

Full & Default Power Mode

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.51	32.65	32.63	33.30	23.51	23.65	23.63	24.30
GPRS 1 Tx slot	32.49	32.64	32.62	33.30	23.49	23.64	23.62	24.30
GPRS 2 Tx slots	30.04	30.18	30.17	30.30	24.04	24.18	24.17	24.30
GPRS 3 Tx slots	28.05	28.17	28.18	28.30	23.79	23.91	23.92	24.04
GPRS 4 Tx slots	27.03	27.12	27.09	27.30	24.03	24.12	24.09	24.30
EDGE(GMSK 1 Tx slot)	32.40	32.58	32.59	33.30	23.40	23.58	23.59	24.30
EDGE(GMSK 2 Tx slot)	29.92	30.17	30.12	30.30	23.92	24.17	24.12	24.30
EDGE(GMSK 3 Tx slot)	27.96	28.07	28.06	28.30	23.70	23.81	23.80	24.04
EDGE(GMSK 4 Tx slot)	26.98	27.11	26.98	27.30	23.98	24.11	23.98	24.30
EDGE 1 Tx slot	26.05	26.41	26.60	27.80	17.05	17.41	17.60	18.80
EDGE 2 Tx slots	23.87	23.94	24.08	25.80	17.87	17.94	18.08	19.80
EDGE 3 Tx slots	22.01	22.23	22.31	23.30	17.75	17.97	18.05	19.04
EDGE 4 Tx slots	21.26	21.54	21.63	22.80	18.26	18.54	18.63	19.80

GSM1900_Ant 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.51	29.78	29.88	30.30	20.51	20.78	20.88	21.30
GPRS 1 Tx slot	29.51	29.77	29.87	30.30	20.51	20.77	20.87	21.30
GPRS 2 Tx slots	27.04	27.39	27.38	28.30	21.04	21.39	21.38	22.30
GPRS 3 Tx slots	25.27	25.51	25.59	26.30	21.01	21.25	21.33	22.04
GPRS 4 Tx slots	23.98	24.11	24.14	24.80	20.98	21.11	21.14	21.80
EDGE(GMSK 1 Tx slot)	29.49	29.70	29.82	30.30	20.49	20.70	20.82	21.30
EDGE(GMSK 2 Tx slot)	26.93	27.24	27.24	28.30	20.93	21.24	21.24	22.30
EDGE(GMSK 3 Tx slot)	25.24	25.46	25.55	26.30	20.98	21.20	21.29	22.04
EDGE(GMSK 4 Tx slot)	23.96	24.11	24.13	24.80	20.96	21.11	21.13	21.80
EDGE 1 Tx slot	23.61	23.75	23.71	26.80	16.61	16.75	16.71	17.80
EDGE 2 Tx slots	22.45	22.56	22.47	23.80	16.45	16.56	16.47	17.80
EDGE 3 Tx slots	20.95	20.97	20.85	22.30	16.69	16.71	16.59	18.04
EDGE 4 Tx slots	20.06	20.10	19.99	21.80	17.06	17.10	16.99	18.80

Band	WCDMA II_Ant 4				Tune-up Limit (dBm)	WCDMA II_Ant 3				Tune-up Limit (dBm)		
	TX Channel		9262	9400		9538	Rx Channel		9262		9400	9538
	Frequency (MHz)		1852.4	1880		1907.6			1852.4		1880	1907.6
3GPP Rel 99	AMR 12.2Kbps		23.77	23.77	23.68	24.80	24.56	24.56	24.53	24.80		
3GPP Rel 99	AMR 12.2Kbps		23.87	23.89	23.82	24.80	24.63	24.65	24.60	24.80		
3GPP Rel 6	HSDPA Subtest-1		22.87	22.91	22.87	24.80	23.07	23.15	23.08	24.80		
3GPP Rel 6	HSDPA Subtest-2		22.87	22.96	22.86	24.80	23.08	23.12	23.10	24.80		
3GPP Rel 6	HSDPA Subtest-3		22.42	22.47	22.45	24.30	22.60	22.68	22.66	24.30		
3GPP Rel 6	HSDPA Subtest-4		22.38	22.47	22.40	24.30	22.55	22.65	22.65	24.30		
3GPP Rel 6	DC-HSDPA Subtest-1		22.88	22.82	22.81	24.80	23.05	23.04	23.00	24.80		
3GPP Rel 6	DC-HSDPA Subtest-2		22.84	22.94	22.83	24.80	23.02	22.99	22.95	24.80		
3GPP Rel 6	DC-HSDPA Subtest-3		22.38	22.39	22.32	24.30	22.46	22.53	22.52	24.30		
3GPP Rel 6	DC-HSDPA Subtest-4		22.33	22.44	22.35	24.30	22.48	22.55	22.52	24.30		
3GPP Rel 6	HSUPA Subtest-1		20.92	20.87	20.81	21.80	21.09	21.11	21.05	21.80		
3GPP Rel 6	HSUPA Subtest-2		20.94	20.93	20.87	21.80	21.07	21.12	21.02	21.80		
3GPP Rel 6	HSUPA Subtest-3		21.91	21.90	21.86	22.80	22.10	22.09	22.06	22.80		
3GPP Rel 6	HSUPA Subtest-4		20.44	20.45	20.42	21.80	20.62	20.65	20.63	21.80		
3GPP Rel 6	HSUPA Subtest-5		21.90	21.90	21.90	22.80	22.10	22.10	22.10	22.80		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1		20.89	20.87	20.80	22.80	21.00	21.07	20.95	22.80		

Band	WCDMA V_Ant 1					WCDMA V_Ant 0				
	TX Channel	4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)	
	Rx Channel	4357	4407	4458		4357	4407	4458		
	Frequency (MHz)	826.4	836.4	846.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	23.49	23.57	23.65	24.80	22.67	22.74	22.67	23.80	
3GPP Rel 99	AMR 12.2Kbps	23.64	23.70	23.67	24.80	22.76	22.79	22.74	23.80	
3GPP Rel 6	HSDPA Subtest-1	22.84	23.02	23.01	23.80	22.04	22.09	22.08	22.80	
3GPP Rel 6	HSDPA Subtest-2	22.90	22.99	23.05	23.80	21.99	22.07	22.09	22.80	
3GPP Rel 6	HSDPA Subtest-3	22.42	22.55	22.55	23.30	21.54	21.60	21.61	22.30	
3GPP Rel 6	HSDPA Subtest-4	22.41	22.52	22.54	23.30	21.50	21.57	21.59	22.30	
3GPP Rel 6	DC-HSDPA Subtest-1	22.84	22.99	22.91	23.80	21.90	22.00	22.05	22.80	
3GPP Rel 6	DC-HSDPA Subtest-2	22.78	22.89	22.99	23.80	21.89	22.01	21.98	22.80	
3GPP Rel 6	DC-HSDPA Subtest-3	22.27	22.44	22.50	23.30	21.53	21.48	21.50	22.30	
3GPP Rel 6	DC-HSDPA Subtest-4	22.40	22.40	22.46	23.30	21.37	21.45	21.44	22.30	
3GPP Rel 6	HSUPA Subtest-1	20.97	20.98	20.98	21.80	20.05	20.08	20.03	20.80	
3GPP Rel 6	HSUPA Subtest-2	21.01	21.01	21.02	21.80	20.04	20.06	20.06	20.80	
3GPP Rel 6	HSUPA Subtest-3	22.03	22.02	22.00	22.80	21.06	21.09	21.07	21.80	
3GPP Rel 6	HSUPA Subtest-4	20.52	20.55	20.49	21.80	19.61	19.63	19.57	20.80	
3GPP Rel 6	HSUPA Subtest-5	22.40	22.00	22.00	22.80	21.50	21.10	21.10	21.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.98	20.90	22.80	20.02	19.91	19.95	21.80	

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up	
	TX Channel	128	189	251	Limit (dBm)	128	189	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.18	31.18	31.20	32.30	22.18	22.18	22.20	23.30
GPRS 1 Tx slot		31.17	31.17	31.19	32.30	22.17	22.17	22.19	23.30
GPRS 2 Tx slots		28.84	28.85	28.68	29.30	22.84	22.85	22.68	23.30
GPRS 3 Tx slots		26.73	26.78	26.67	27.30	22.47	22.52	22.41	23.04
GPRS 4 Tx slots		25.75	25.76	25.58	26.30	22.75	22.76	22.58	23.30
EDGE(GMSK 1 Tx slot)		31.08	31.15	31.09	32.30	22.08	22.15	22.09	23.30
EDGE(GMSK 2 Tx slot)		28.68	28.69	28.60	29.30	22.68	22.69	22.60	23.30
EDGE(GMSK 3 Tx slot)		26.71	26.68	26.59	27.30	22.45	22.42	22.33	23.04
EDGE(GMSK 4 Tx slot)		25.69	25.62	25.49	26.30	22.69	22.62	22.49	23.30
EDGE 1 Tx slot		24.98	25.01	25.10	26.80	15.98	16.01	16.10	17.80
EDGE 2 Tx slots		22.80	22.80	22.95	24.80	16.80	16.80	16.95	18.80
EDGE 3 Tx slots		20.97	20.80	20.94	22.30	16.71	16.63	16.68	18.04
EDGE 4 Tx slots		20.14	20.20	20.23	21.80	17.14	17.20	17.23	18.80

GSM1900_Ant 3	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
TX Channel	512	661	810			512	661	810		
Frequency (MHz)	1850.2	1880	1908	1909.8	30.80	1850.2	1880	1908	1909.8	
GSM 1 Tx slot	29.47	29.78	29.68		30.80	20.47	20.78	20.68	21.80	
GPRS 1 Tx slot	29.46	29.73	29.67		30.80	20.46	20.73	20.67	21.80	
GPRS 2 Tx slots	27.11	27.35	27.29	28.80	21.11	21.35	21.29		22.50	
GPRS 3 Tx slots	25.34	25.56	25.52	26.80	21.08	21.30	21.26		22.50	
GPRS 4 Tx slots	24.01	24.26	24.18	25.30	21.01	21.26	21.18		22.30	
EDGE(GMSK 1 Tx slot)	29.44	29.58	29.59	30.80	20.44	20.58	20.59	21.80		
EDGE(GMSK 2 Tx slot)	27.04	27.28	27.18	28.80	21.04	21.28	21.18		22.50	
EDGE(GMSK 3 Tx slot)	25.23	25.54	25.48	26.80	20.97	21.28	21.22		22.50	
EDGE(GMSK 4 Tx slot)	23.98	24.12	24.10	25.30	20.88	21.12	21.10		22.50	
EDGE 1 Tx slot	25.80	25.82	25.65	27.30	16.60	16.82	16.65	18.30		
EDGE 2 Tx slots	22.80	22.91	22.80	24.80	16.80	16.91	16.80	18.80		
EDGE 3 Tx slots	20.98	21.22	20.97	22.80	16.70	16.96	16.71	18.54		
EDGE 4 Tx slots	20.35	20.39	20.30	22.30	17.35	17.39	17.30	19.30		

	Band	WCDMA IV_Ant 4				Tune-up Limit (dBm)	WCDMA IV_Ant 3				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513	1312		1413	1513			
	Rx Channel	1537	1638	1738	1537		1638	1738			
	Frequency (MHz)	1712.4	1732.6	1752.6		1712.4	1732.6	1752.6			
3GPP Rel 99	AMR 12.2Kbps	24.11	24.07	24.16	24.80	24.62	24.71	24.63	24.80		
3GPP Rel 99	AMR 12.2Kbps	24.25	24.26	24.18	24.80	24.66	24.74	24.73	24.80		
3GPP Rel 6	HSDPA Subtest-1	23.26	23.24	23.15	23.80	23.49	23.48	23.46	23.80		
3GPP Rel 6	HSDPA Subtest-2	23.28	23.28	23.19	23.80	23.43	23.50	23.44	23.80		
3GPP Rel 6	HSDPA Subtest-3	22.85	22.81	22.66	23.30	23.00	23.04	23.03	23.30		
3GPP Rel 6	HSDPA Subtest-4	22.78	22.78	22.74	23.30	22.93	23.02	22.97	23.30		
3GPP Rel 6	DC-HSDPA Subtest-1	23.27	23.27	23.34	23.80	23.35	23.36	23.37	23.80		
3GPP Rel 6	DC-HSDPA Subtest-2	23.30	23.29	23.27	23.80	23.33	23.42	23.29	23.80		
3GPP Rel 6	DC-HSDPA Subtest-3	22.79	22.85	22.86	23.30	22.90	22.97	22.94	23.30		
3GPP Rel 6	DC-HSDPA Subtest-4	22.73	22.79	22.74	23.30	22.84	22.99	22.88	23.30		
3GPP Rel 6	HSUPA Subtest-1	21.34	21.35	21.33	21.80	21.34	21.46	21.38	21.80		
3GPP Rel 6	HSUPA Subtest-2	21.35	21.36	21.35	21.80	21.42	21.50	21.41	21.80		
3GPP Rel 6	HSUPA Subtest-3	22.37	22.38	22.35	22.80	22.48	22.49	22.43	22.80		
3GPP Rel 6	HSUPA Subtest-4	20.89	20.89	20.84	21.80	20.90	20.94	20.93	21.80		
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.30	22.80	22.35	22.40	22.40	22.80		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.32	21.32	21.21	22.80	21.34	21.49	21.28	22.80		

Band 2_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				18700	18900	19100						
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	23.11	23.12	23.04	23.8	0				
20	QPSK	1	49	22.98	23.02	22.99						
20	QPSK	1	99	22.85	22.90	22.88						
20	QPSK	50	0	22.22	22.24	22.10	22.8	1				
20	QPSK	50	24	22.10	22.15	22.02						
20	QPSK	50	50	21.97	22.01	22.01						
20	QPSK	100	0	22.09	22.14	22.03	22.8	1				
20	16QAM	1	0	22.40	22.41	22.35						
20	16QAM	1	49	22.36	22.42	22.28						
20	16QAM	1	99	22.31	22.37	22.31	21.8	2				
20	16QAM	50	0	21.05	21.12	21.01						
20	16QAM	50	24	21.02	21.11	21.10						
20	16QAM	50	50	21.00	21.11	20.98	21.8	2				
20	16QAM	100	0	20.98	21.12	21.05						
20	64QAM	1	0	21.31	21.34	21.33						
20	64QAM	1	49	21.28	21.32	21.19	21.8	2				
20	64QAM	1	99	21.15	21.26	21.25						
20	64QAM	50	0	20.04	20.13	20.07						
20	64QAM	50	24	19.96	20.11	20.03	20.8	3				
20	64QAM	50	50	19.84	20.09	19.98						
20	64QAM	100	0	20.00	20.04	20.04						
Channel				18937.5	18900	19025	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18937.5	18900	19025						
15	QPSK	1	0	23.05	23.08	23.00	23.8	0				
15	QPSK	1	37	22.93	22.88	22.86						
15	QPSK	1	74	22.73	22.87	22.82						
15	QPSK	36	0	22.07	22.23	22.09	22.8	1				
15	QPSK	36	20	21.95	22.01	21.98						
15	QPSK	36	39	21.84	22.03	21.95						
15	QPSK	75	0	22.00	22.09	22.02	22.8	1				
15	16QAM	1	0	22.34	22.32	22.20						
15	16QAM	1	37	22.26	22.28	22.26						
15	16QAM	1	74	22.23	22.29	22.17	21.8	2				
15	16QAM	36	0	20.99	21.10	20.98						
15	16QAM	36	20	20.96	21.07	20.98						
15	16QAM	36	39	20.91	20.99	20.95	21.8	2				
15	16QAM	75	0	20.96	20.98	20.96						
15	64QAM	1	0	21.22	21.21	21.19						
15	64QAM	1	37	21.14	21.28	21.17	21.8	2				
15	64QAM	1	74	21.01	21.20	21.16						
15	64QAM	36	0	20.00	19.99	19.93						
15	64QAM	36	20	19.90	20.02	19.97	20.8	3				
15	64QAM	36	39	19.85	19.94	19.89						
15	64QAM	75	0	19.96	20.08	19.98						
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18850	18800	19005						
10	QPSK	1	0	23.10	23.02	22.95	23.8	0				
10	QPSK	1	25	22.84	22.98	22.90						
10	QPSK	1	49	22.82	22.81	22.85						
10	QPSK	25	0	22.15	22.19	22.04	22.8	1				
10	QPSK	25	12	22.02	22.05	21.97						
10	QPSK	25	25	21.89	22.07	21.86						
10	QPSK	50	0	22.08	22.05	21.95	22.8	1				
10	16QAM	1	0	22.36	22.26	22.32						
10	16QAM	1	25	22.30	22.36	22.19						
10	16QAM	1	49	22.27	22.36	22.30	21.8	2				
10	16QAM	25	0	20.94	21.03	20.99						
10	16QAM	25	12	20.87	21.05	21.04						
10	16QAM	25	25	20.83	21.09	20.93	21.8	2				
10	16QAM	50	0	20.85	20.98	20.97						
10	64QAM	1	0	21.26	21.33	21.24						
10	64QAM	1	25	21.19	21.29	21.14	21.8	2				
10	64QAM	1	49	21.05	21.11	21.14						
10	64QAM	25	0	19.94	20.03	19.94						
10	64QAM	25	12	19.83	20.03	19.97	20.8	3				
10	64QAM	25	25	19.79	19.95	19.86						
10	64QAM	50	0	20.05	20.09	19.93						
Channel				18825	18900	19175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18825	18800	19075						
5	QPSK	1	0	23.00	23.10	22.93	23.8	0				
5	QPSK	1	12	22.94	22.91	22.93						
5	QPSK	1	24	22.80	22.76	22.80						
5	QPSK	12	0	22.08	22.10	21.99	22.8	1				
5	QPSK	12	7	22.05	22.01	21.99						
5	QPSK	12	13	21.89	22.01	21.90						
5	QPSK	25	0	22.04	21.99	21.96	22.8	1				
5	16QAM	1	0	22.25	22.33	22.27						
5	16QAM	1	12	22.27	22.35	22.16						
5	16QAM	1	24	22.29	22.31	22.21	21.8	2				
5	16QAM	12	0	20.91	20.97	20.94						
5	16QAM	12	7	21.01	21.06	21.05						
5	16QAM	12	13	20.89	20.96	20.96	21.8	2				
5	16QAM	25	0	20.93	21.08	20.96						
5	64QAM	1	0	21.20	21.27	21.22						
5	64QAM	1	12	21.20	21.17	21.05	21.8	2				
5	64QAM	1	24	21.01	21.19	21.17						
5	64QAM	12	0	20.00	20.03	20.06						
5	64QAM	12	7	19.92	20.06	19.91	20.8	3				
5	64QAM	12	13	19.83	19.97	19.97						
5	64QAM	25	0	20.01	20.09	19.99						
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18815	18800	19085						
3	QPSK	1	0	23.06	23.05	23.03	23.8	0				
3	QPSK	1	8	22.84	22.95	22.98						
3	QPSK	1	14	22.73	22.84	22.74						
3	QPSK	8	0	22.10	22.11	22.03	22.8	1				
3	QPSK	8	4	22.05	22.13	22.01						
3	QPSK	8	7	21.96	22.08	21.90						
3	QPSK	15	0	21.94	22.05	21.90	22.8	1				
3	16QAM	1	0	22.39	22.38	22.32						
3	16QAM	1	8	22.34	22.28	22.13						
3	16QAM	1	14	22.17	22.34	22.20	21.8	2				
3	16QAM	8	0	20.96	21.07	20.87						
3	16QAM	8	4	21.00	21.00	20.95						
3	16QAM	8	7	20.90	20.97	20.88	21.8	2				
3	16QAM	15	0	20.88	21.11	20.91						
3	64QAM	1	0	21.17	21.21	21.20						
3	64QAM	1	8	21.15	21.19	21.15	21.8	2				
3	64QAM	1	14	21.12	21.23	21.22						
3	64QAM	8	0	19.96	20.03	19.99						

Band 4_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	23.90	23.92	23.89	25	0			
20	QPSK	1	49	23.71	23.82	23.78					
20	QPSK	1	99	23.60	23.66	23.54					
20	QPSK	50	0	22.84	22.87	22.86	24	1			
20	QPSK	50	24	22.82	22.86	22.85					
20	QPSK	50	50	22.77	22.83	22.75					
20	QPSK	100	0	22.74	22.85	22.73	24	1			
20	16QAM	1	0	23.00	23.09	23.07					
20	16QAM	1	49	23.07	23.09	23.04					
20	16QAM	1	99	22.93	22.95	22.83	23	2			
20	16QAM	50	0	21.68	21.83	21.81					
20	16QAM	50	24	21.74	21.85	21.83					
20	16QAM	50	50	21.77	21.81	21.76	23	2			
20	16QAM	100	0	21.77	21.85	21.77					
20	64QAM	1	0	22.03	22.04	21.96					
20	64QAM	1	49	21.82	21.97	21.86	23	2			
20	64QAM	1	99	21.76	21.88	21.79					
20	64QAM	50	0	20.77	20.85	20.72					
20	64QAM	50	24	20.76	20.88	20.87	22	3			
20	64QAM	50	50	20.73	20.85	20.74					
20	64QAM	100	0	20.83	20.86	20.80					
Channel				20050	20175	20300					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	23.88	23.77	23.81	25	0			
15	QPSK	1	37	23.66	23.74	23.74					
15	QPSK	1	74	23.46	23.58	23.39					
15	QPSK	36	0	22.79	22.79	22.83	24	1			
15	QPSK	36	20	22.79	22.78	22.82					
15	QPSK	36	39	22.74	22.80	22.69					
15	QPSK	75	0	22.62	22.72	22.60	24	1			
15	16QAM	1	0	22.95	23.04	22.93					
15	16QAM	1	37	22.94	23.01	22.91					
15	16QAM	1	74	22.86	22.84	22.73	23	2			
15	16QAM	36	0	21.54	21.76	21.78					
15	16QAM	36	20	21.68	21.80	21.73					
15	16QAM	36	39	21.64	21.67	21.70	23	2			
15	16QAM	75	0	21.65	21.77	21.74					
15	64QAM	1	0	21.96	21.91	21.92					
15	64QAM	1	37	21.81	21.92	21.71	23	2			
15	64QAM	1	74	21.68	21.75	21.76					
15	64QAM	36	0	20.65	20.80	20.69					
15	64QAM	36	20	20.69	20.86	20.72	22	3			
15	64QAM	36	39	20.65	20.84	20.60					
15	64QAM	75	0	20.69	20.73	20.81					
Channel				20000	20175	20350					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	23.78	23.85	23.75	25	0			
10	QPSK	1	25	23.57	23.80	23.76					
10	QPSK	1	49	23.48	23.64	23.50					
10	QPSK	25	0	22.78	22.82	22.73	24	1			
10	QPSK	25	12	22.73	22.76	22.70					
10	QPSK	25	25	22.66	22.71	22.61					
10	QPSK	50	0	22.62	22.77	22.61	24	1			
10	16QAM	1	0	22.97	22.97	22.94					
10	16QAM	1	25	23.03	22.98	23.00					
10	16QAM	1	49	22.89	22.94	22.74	23	2			
10	16QAM	25	0	21.56	21.79	21.80					
10	16QAM	25	12	21.66	21.74	21.79					
10	16QAM	25	25	21.68	21.71	21.63	23	2			
10	16QAM	50	0	21.75	21.71	21.68					
10	64QAM	1	0	21.96	21.99	21.88					
10	64QAM	1	25	21.70	21.84	21.74	22	3			
10	64QAM	1	49	21.64	21.74	21.78					
10	64QAM	25	0	20.67	20.82	20.64					
10	64QAM	25	12	20.62	20.74	20.82	22	3			
10	64QAM	25	25	20.61	20.82	20.72					
10	64QAM	50	0	20.77	20.73	20.79					
Channel				19975	20175	20375					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	23.68	23.78	23.74	25	0			
5	QPSK	1	12	23.58	23.70	23.71					
5	QPSK	1	24	23.54	23.60	23.47					
5	QPSK	12	0	22.69	22.75	22.80	24	1			
5	QPSK	12	7	22.68	22.81	22.83					
5	QPSK	12	13	22.65	22.81	22.69					
5	QPSK	25	0	22.69	22.71	22.58	24	1			
5	16QAM	1	0	22.99	23.06	22.97					
5	16QAM	1	12	22.94	23.06	22.93					
5	16QAM	1	24	22.84	22.94	22.69	23	2			
5	16QAM	12	0	21.60	21.81	21.74					
5	16QAM	12	7	21.61	21.71	21.79					
5	16QAM	12	13	21.74	21.78	21.63	23	2			
5	16QAM	25	0	21.73	21.71	21.72					
5	64QAM	1	0	21.98	21.92	21.83					
5	64QAM	1	12	21.69	21.84	21.76	23	2			
5	64QAM	1	24	21.72	21.76	21.71					
5	64QAM	12	0	20.64	20.79	20.61					
5	64QAM	12	7	20.74	20.85	20.81	22	3			
5	64QAM	12	13	20.69	20.70	20.65					
5	64QAM	25	0	20.76	20.84	20.74					
Channel				19965	20175	20385					
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	23.86	23.90	23.79	25	0			
3	QPSK	1	8	23.59	23.77	23.63					
3	QPSK	1	14	23.51	23.61	23.50					
3	QPSK	8	0	22.77	22.78	22.76	24	1			
3	QPSK	8	4	22.77	22.76	22.73					
3	QPSK	8	7	22.78	22.78	22.63					
3	QPSK	15	0	22.68	22.70	22.66	24	1			
3	16QAM	1	0	22.99	23.04	22.96					
3	16QAM	1	8	22.96	23.04	23.00					
3	16QAM	1	14	22.86	22.83	22.79	23	2			
3	16QAM	8	0	21.65	21.80	21.72					
3	16QAM	8	4	21.67	21.75	21.74					
3	16QAM	8	7	21.64	21.79	21.74	23	2			
3	16QAM	15	0	21.75	21.76	21.68					
3	64QAM	1	0	21.90	22.03	21.88					
3	64QAM	1	8	21.72	21.91	21.85	22	3			
3	64QAM	1	14	21.66	21.80	21.70					
3	64QAM	8	0	20.69	20.79	20.57					
3	64QAM	8	4	20.66	20.82	20.74	22	3			
3	64QAM	8	7	20.70	20.77	20.66					
3	64QAM	15	0	20.70	20.81	20.71					
Channel				19957	20175	20393					
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	23.81	23.78	23.80	25	0			
1.4	QPSK	1	3	23.69	23.72	23.74					
1.4	QPSK	1	5	23.58	23.59	23.46					
1.4	QPSK	3	0	23.75	23.64	23.74	24	1			
1.4	QPSK	3	1	23.56	23.62	23.63					
1.4	QPSK	3	3	23.52	23.48	23.41					
1.4	QPSK	6	0	22.63	22.84	22.67	24	1			
1.4	16QAM	1	0	22.88	22.95	23.05					
1.4	16QAM	1	3	22.97	23.03	22.91					
1.4	16QAM	1	5</								

Band 5_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	23.85	23.94	23.85	25	0		
10	QPSK	1	25	23.73	23.83	23.74				
10	QPSK	1	49	23.80	23.88	23.85				
10	QPSK	25	0	22.84	22.86	22.84				
10	QPSK	25	12	22.74	22.83	22.78	24	1		
10	QPSK	25	25	22.83	22.85	22.79				
10	QPSK	50	0	22.83	22.84	22.72				
10	16QAM	1	0	23.05	23.12	23.03				
10	16QAM	1	25	23.05	23.07	23.04	24	1		
10	16QAM	1	49	23.14	23.17	23.07				
10	16QAM	25	0	21.78	21.86	21.85				
10	16QAM	25	12	21.71	21.83	21.72				
10	16QAM	25	25	21.74	21.81	21.76	23	2		
10	16QAM	50	0	21.73	21.83	21.77				
10	64QAM	1	0	21.86	21.95	21.92				
10	64QAM	1	25	21.90	21.99	21.91				
10	64QAM	1	49	21.94	21.98	21.93	22	3		
10	64QAM	25	0	20.70	20.84	20.78				
10	64QAM	25	12	20.79	20.81	20.76				
10	64QAM	25	25	20.66	20.80	20.77				
10	64QAM	50	0	20.82	20.83	20.71	Tune-up limit (dBm)		MPR (dB)	
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.84	23.79	23.76	25	0		
5	QPSK	1	12	23.70	23.77	23.71				
5	QPSK	1	24	23.68	23.76	23.79				
5	QPSK	12	0	22.70	22.77	22.77				
5	QPSK	12	7	22.70	22.75	22.73	24	1		
5	QPSK	12	13	22.77	22.75	22.78				
5	QPSK	25	0	22.75	22.75	22.65				
5	16QAM	1	0	23.01	22.99	22.90				
5	16QAM	1	12	22.99	22.95	23.02	24	1		
5	16QAM	1	24	23.01	23.06	22.99				
5	16QAM	12	0	21.75	21.80	21.73				
5	16QAM	12	7	21.65	21.82	21.67				
5	16QAM	12	13	21.59	21.72	21.70	23	2		
5	16QAM	25	0	21.62	21.72	21.63				
5	64QAM	1	0	21.71	21.81	21.91				
5	64QAM	1	12	21.80	21.90	21.81				
5	64QAM	1	24	21.86	21.97	21.81	23	2		
5	64QAM	12	0	20.61	20.74	20.75				
5	64QAM	12	7	20.71	20.68	20.69				
5	64QAM	12	13	20.60	20.71	20.69				
5	64QAM	25	0	20.73	20.82	20.62	Tune-up limit (dBm)		MPR (dB)	
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	23.74	23.80	23.77	25	0		
3	QPSK	1	8	23.58	23.71	23.68				
3	QPSK	1	14	23.79	23.78	23.81				
3	QPSK	8	0	22.79	22.74	22.73				
3	QPSK	8	4	22.71	22.82	22.64	24	1		
3	QPSK	8	7	22.72	22.81	22.78				
3	QPSK	15	0	22.72	22.74	22.68				
3	16QAM	1	0	22.92	22.99	22.98				
3	16QAM	1	8	23.03	23.04	22.92	24	1		
3	16QAM	1	14	23.02	23.09	22.92				
3	16QAM	8	0	21.63	21.81	21.72				
3	16QAM	8	4	21.66	21.74	21.70				
3	16QAM	8	7	21.65	21.72	21.74	23	2		
3	16QAM	15	0	21.65	21.69	21.62				
3	64QAM	1	0	21.79	21.85	21.80				
3	64QAM	1	8	21.77	21.88	21.79				
3	64QAM	1	14	21.86	21.91	21.82	23	2		
3	64QAM	8	0	20.61	20.77	20.71				
3	64QAM	8	4	20.75	20.70	20.70				
3	64QAM	8	7	20.65	20.74	20.72				
3	64QAM	15	0	20.79	20.73	20.63	Tune-up limit (dBm)		MPR (dB)	
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	23.74	23.87	23.84	25	0		
1.4	QPSK	1	3	23.71	23.88	23.69				
1.4	QPSK	1	5	23.79	23.73	23.76				
1.4	QPSK	3	0	23.64	23.74	23.76				
1.4	QPSK	3	1	23.59	23.57	23.58	24	1		
1.4	QPSK	3	3	23.70	23.60	23.63				
1.4	QPSK	6	0	22.68	22.72	22.60				
1.4	16QAM	1	0	23.04	23.11	22.91				
1.4	16QAM	1	3	22.90	23.02	22.93	24	1		
1.4	16QAM	1	5	23.08	23.05	23.04				
1.4	16QAM	3	0	22.93	22.97	22.86				
1.4	16QAM	3	1	22.89	22.95	22.91				
1.4	16QAM	3	3	23.00	23.04	22.92	23	2		
1.4	16QAM	6	0	21.67	21.68	21.72				
1.4	64QAM	1	0	21.71	21.80	21.88				
1.4	64QAM	1	3	21.78	21.96	21.76				
1.4	64QAM	1	5	21.90	21.89	21.78	23	2		
1.4	64QAM	3	0	21.60	21.70	21.82				
1.4	64QAM	3	1	21.72	21.84	21.64				
1.4	64QAM	3	3	21.84	21.74	21.74				
1.4	64QAM	6	0	20.70	20.76	20.56	Tune-up limit (dBm)		MPR (dB)	

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	23.82	23.84	23.83	24	0	
10	QPSK	1	25	23.70	23.81	23.75			
10	QPSK	1	49	23.71	23.78	23.63			
10	QPSK	25	0	22.76	22.83	22.78			
10	QPSK	25	12	22.72	22.82	22.73	23	1	
10	QPSK	25	25	22.70	22.80	22.65			
10	QPSK	50	0	22.73	22.81	22.75			
10	16QAM	1	0	22.88	22.97	22.87			
10	16QAM	1	25	22.81	22.91	22.80	23	1	
10	16QAM	1	49	22.85	22.99	22.91			
10	16QAM	25	0	21.78	21.84	21.72			
10	16QAM	25	12	21.76	21.82	21.74			
10	16QAM	25	25	21.69	21.82	21.67	22		2
10	16QAM	50	0	21.79	21.84	21.80			
10	64QAM	1	0	21.86	21.94	21.90			
10	64QAM	1	25	21.90	21.99	21.95			
10	64QAM	1	49	21.86	21.99	21.93	22		2
10	64QAM	25	0	20.75	20.86	20.81			
10	64QAM	25	12	20.68	20.81	20.79			
10	64QAM	25	25	20.70	20.79	20.73			
10	64QAM	50	0	20.73	20.82	20.78	21		3
Channel				20425	20505	20525	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.77	23.82	24	0	
5	QPSK	1	12	23.67	23.73	23.73			
5	QPSK	1	24	23.66	23.74	23.48			
5	QPSK	12	0	22.63	22.74	22.77			
5	QPSK	12	7	22.63	22.70	22.63	23	1	
5	QPSK	12	13	22.61	22.74	22.56			
5	QPSK	25	0	22.69	22.78	22.59			
5	16QAM	1	0	22.83	22.94	22.78			
5	16QAM	1	12	22.74	22.76	22.79	23	1	
5	16QAM	1	24	23.73	22.96	22.86			
5	16QAM	12	0	21.73	21.75	21.67			
5	16QAM	12	7	21.75	21.71	21.66			
5	16QAM	12	13	21.55	21.73	21.55	22		2
5	16QAM	25	0	21.68	21.72	21.61			
5	64QAM	1	0	21.87	21.94	21.87			
5	64QAM	1	12	21.77	21.88	21.76			
5	64QAM	1	24	21.83	21.91	21.80	22		2
5	64QAM	12	0	20.71	20.76	20.75			
5	64QAM	12	7	20.57	20.72	20.73			
5	64QAM	12	13	20.60	20.64	20.72			
5	64QAM	25	0	20.58	20.70	20.76	21		3
Channel				20418	20525	20635	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	23.75	23.72	23.69	24	0	
3	QPSK	1	8	23.59	23.79	23.69			
3	QPSK	1	14	23.64	23.77	23.59			
3	QPSK	8	0	22.64	22.68	22.75			
3	QPSK	8	4	22.68	22.73	22.67	23	1	
3	QPSK	8	7	22.55	22.67	22.61			
3	QPSK	15	0	22.63	22.80	22.62			
3	16QAM	1	0	22.77	22.93	22.84			
3	16QAM	1	8	22.76	22.84	22.69	23	1	
3	16QAM	1	14	22.76	22.84	22.79			
3	16QAM	8	0	21.73	21.80	21.61			
3	16QAM	8	7	21.69	21.77	21.71			
3	16QAM	8	7	21.66	21.71	21.65	22		2
3	16QAM	15	0	21.67	21.70	21.79			
3	64QAM	1	0	21.78	21.92	21.77			
3	64QAM	1	8	21.79	21.85	21.87			
3	64QAM	1	14	21.81	21.86	21.81	22		2
3	64QAM	8	0	20.65	20.80	20.66			
3	64QAM	8	4	20.54	20.71	20.72			
3	64QAM	8	7	20.57	20.66	20.58			
3	64QAM	15	0	20.71	20.75	20.76	21		3
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	23.74	23.77	23.79	24	0	
1.4	QPSK	1	3	23.65	23.66	23.61			
1.4	QPSK	1	5	23.62	23.75	23.51			
1.4	QPSK	3	0	23.60	23.68	23.65			
1.4	QPSK	3	1	23.63	23.55	23.52	23	1	
1.4	QPSK	3	3	23.53	23.71	23.38			
1.4	QPSK	6	0	22.58	22.78	22.64			
1.4	16QAM	1	0	22.83	22.92	22.72			
1.4	16QAM	1	3	22.74	23.80	22.77	23	1	
1.4	16QAM	1	5	22.83	22.93	22.86			
1.4	16QAM	3	0	22.81	22.86	22.81			
1.4	16QAM	3	1	22.71	22.81	22.63			
1.4	16QAM	3	3	22.81	22.89	22.85	22		2
1.4	16QAM	6	0	21.71	21.72	21.77			
1.4	64QAM	1	0	21.74	21.93	21.83			
1.4	64QAM	1	3	21.86	21.98	21.80			
1.4	64QAM	1	5	21.84	21.95	21.86	21		2
1.4	64QAM	3	0	21.63	21.91	21.69			
1.4	64QAM	3	1	21.85	21.97	21.74			
1.4	64QAM	3	3	21.73	21.88	21.86			
1.4	64QAM	6	0	20.60	20.72	20.76	21		3

Band 7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	24.31	24.41	24.31	25	0	
20	QPSK	1	49	24.25	24.36	24.24			
20	QPSK	1	99	24.30	24.32	24.30			
20	QPSK	50	0	23.85	23.96	23.86	24	1	
20	QPSK	50	24	23.76	23.90	23.83			
20	QPSK	50	50	23.81	23.92	23.82			
20	QPSK	100	0	23.80	23.93	23.81	24	1	
20	16QAM	1	0	23.54	23.55	23.54			
20	16QAM	1	49	23.65	23.76	23.69			
20	16QAM	1	99	23.61	23.67	23.52	23	2	
20	16QAM	50	0	22.86	22.96	22.89			
20	16QAM	50	24	22.87	23.00	22.90			
20	16QAM	50	50	22.83	22.92	22.84	23	2	
20	16QAM	100	0	22.84	22.99	22.85			
20	64QAM	1	0	22.44	22.47	22.36			
20	64QAM	1	49	22.54	22.68	22.64	23	2	
20	64QAM	1	99	22.44	22.57	22.42			
20	64QAM	50	0	21.91	21.96	21.85			
20	64QAM	50	24	21.76	21.90	21.86	22	3	
20	64QAM	50	50	21.83	21.93	21.83			
20	64QAM	100	0	21.98	21.99	21.98			
Channel				20825	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	24.23	24.33	24.17	25	0	
15	QPSK	1	37	24.24	24.34	24.15			
15	QPSK	1	74	24.24	24.31	24.19			
15	QPSK	36	0	23.74	23.81	23.77	24	1	
15	QPSK	36	20	23.63	23.77	23.76			
15	QPSK	36	39	23.66	23.77	23.77			
15	QPSK	75	0	23.67	23.89	23.79	24	1	
15	16QAM	1	0	23.40	23.45	23.50			
15	16QAM	1	37	23.51	23.62	23.68			
15	16QAM	1	74	23.50	23.54	23.37	23	2	
15	16QAM	36	0	22.74	22.92	22.87			
15	16QAM	36	20	22.76	22.92	22.78			
15	16QAM	36	39	22.78	22.80	22.76	23	2	
15	16QAM	75	0	22.79	22.98	22.80			
15	64QAM	1	0	22.41	22.41	22.21			
15	64QAM	1	37	22.39	22.63	22.50	23	2	
15	64QAM	1	74	22.30	22.50	22.28			
15	64QAM	36	0	21.81	21.88	21.88			
15	64QAM	36	20	21.67	21.78	21.85	22	3	
15	64QAM	36	39	21.74	21.80	21.73			
15	64QAM	75	0	21.83	21.90	21.93			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	24.24	24.35	24.26	25	0	
10	QPSK	1	25	24.23	24.29	24.11			
10	QPSK	1	49	24.15	24.20	24.28			
10	QPSK	25	0	23.81	23.82	23.73	24	1	
10	QPSK	25	12	23.63	23.85	23.74			
10	QPSK	25	25	23.79	23.85	23.68			
10	QPSK	50	0	23.69	23.84	23.73	24	1	
10	16QAM	1	0	23.43	23.48	23.40			
10	16QAM	1	25	23.63	23.75	23.65			
10	16QAM	1	49	23.46	23.61	23.49	23	2	
10	16QAM	25	0	22.83	22.94	22.84			
10	16QAM	25	12	22.73	22.89	22.86			
10	16QAM	25	25	22.74	22.80	22.82	23	2	
10	16QAM	50	0	22.71	22.97	22.77			
10	64QAM	1	0	22.42	22.32	22.33			
10	64QAM	1	25	22.52	22.57	22.63	23	2	
10	64QAM	1	49	22.29	22.53	22.37			
10	64QAM	25	0	21.84	21.89	21.82			
10	64QAM	25	12	21.70	21.81	21.77	22	3	
10	64QAM	25	25	21.70	21.85	21.78			
10	64QAM	50	0	21.95	21.84	21.89			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	24.16	24.36	24.16	25	0	
5	QPSK	1	12	24.19	24.27	24.17			
5	QPSK	1	24	24.28	24.22	24.15			
5	QPSK	12	0	23.70	23.94	23.79	24	1	
5	QPSK	12	7	23.62	23.88	23.74			
5	QPSK	12	13	23.67	23.83	23.74			
5	QPSK	25	0	23.66	23.89	23.66	24	1	
5	16QAM	1	0	23.43	23.43	23.50			
5	16QAM	1	12	23.59	23.64	23.54			
5	16QAM	1	24	23.55	23.53	23.45	23	2	
5	16QAM	12	0	22.84	22.88	22.82			
5	16QAM	12	7	22.74	22.95	22.88			
5	16QAM	12	13	22.68	22.81	22.74	23	2	
5	16QAM	25	0	22.69	22.94	22.75			
5	64QAM	1	0	22.35	22.32	22.30			
5	64QAM	1	12	22.43	22.67	22.60	23	2	
5	64QAM	1	24	22.36	22.43	22.33			
5	64QAM	12	0	21.77	21.93	21.84			
5	64QAM	12	7	21.70	21.86	21.74	22	3	
5	64QAM	12	13	21.71	21.83	21.77			
5	64QAM	25	0	21.87	21.91	21.97			

Band 7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.30	21.30	21.32	23	0	
20	QPSK	1	49	21.31	21.35	21.20			
20	QPSK	1	99	21.12	21.27	21.22			
20	QPSK	50	0	20.85	20.96	20.87	22	1	
20	QPSK	50	24	20.82	20.89	20.83			
20	QPSK	50	50	20.79	20.91	20.76			
20	QPSK	100	0	20.72	20.87	20.84	22		
20	16QAM	1	0	20.39	20.48	20.38			
20	16QAM	1	49	20.47	20.61	20.57			
20	16QAM	1	99	20.50	20.51	20.46	21	2	
20	16QAM	50	0	19.83	19.84	19.82			
20	16QAM	50	24	19.81	19.89	19.78			
20	16QAM	50	50	19.85	19.92	19.80	21		
20	16QAM	100	0	19.83	19.87	19.73			
20	64QAM	1	0	19.24	19.35	19.30			
20	64QAM	1	49	19.39	19.50	19.48	21	2	
20	64QAM	1	99	19.47	19.53	19.38			
20	64QAM	50	0	18.74	18.87	18.76			
20	64QAM	50	24	18.79	18.91	18.86	20	3	
20	64QAM	50	50	18.79	18.92	18.90			
20	64QAM	100	0	18.84	18.88	18.84			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.24	21.29	21.17	23	0	
15	QPSK	1	37	21.30	21.32	21.17			
15	QPSK	1	74	21.10	21.13	21.15			
15	QPSK	36	0	20.78	20.87	20.81	22	1	
15	QPSK	36	20	20.78	20.88	20.82			
15	QPSK	36	39	20.76	20.80	20.71			
15	QPSK	75	0	20.65	20.74	20.81	22	1	
15	16QAM	1	0	20.35	20.45	20.30			
15	16QAM	1	37	20.39	20.54	20.51			
15	16QAM	1	74	20.43	20.48	20.42	21	2	
15	16QAM	36	0	19.78	19.79	19.81			
15	16QAM	36	20	19.66	19.78	19.65			
15	16QAM	36	39	19.71	19.87	19.67	21	2	
15	16QAM	75	0	19.73	19.80	19.60			
15	64QAM	1	0	19.24	19.35	19.24			
15	64QAM	1	37	19.28	19.40	19.38	21	2	
15	64QAM	1	74	19.32	19.52	19.28			
15	64QAM	36	0	18.66	18.73	18.67			
15	64QAM	36	20	18.65	18.79	18.79	20	3	
15	64QAM	36	39	18.73	18.91	18.76			
15	64QAM	75	0	18.77	18.85	18.71			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.22	21.33	21.21	23	0	
10	QPSK	1	25	21.24	21.33	21.07			
10	QPSK	1	49	21.02	21.12	21.08			
10	QPSK	25	0	20.73	20.91	20.72	22	1	
10	QPSK	25	12	20.72	20.88	20.69			
10	QPSK	25	25	20.67	20.76	20.71			
10	QPSK	50	0	20.59	20.84	20.69	22	1	
10	16QAM	1	0	20.38	20.39	20.32			
10	16QAM	1	25	20.42	20.48	20.54			
10	16QAM	1	49	20.39	20.47	20.43	22	1	
10	16QAM	25	0	19.75	19.81	19.67			
10	16QAM	25	12	19.75	19.86	19.70			
10	16QAM	25	25	19.84	19.90	19.78	21	2	
10	16QAM	50	0	19.74	19.81	19.72			
10	64QAM	1	0	19.12	19.26	19.24			
10	64QAM	1	25	19.26	19.39	19.36	21	2	
10	64QAM	1	49	19.45	19.40	19.29			
10	64QAM	25	0	18.70	18.76	18.64			
10	64QAM	25	12	18.67	18.77	18.79	20	3	
10	64QAM	25	25	18.68	18.80	18.86			
10	64QAM	50	0	18.70	18.79	18.83			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.27	21.27	21.22	23	0	
5	QPSK	1	12	21.20	21.31	21.12			
5	QPSK	1	24	21.06	21.19	21.19			
5	QPSK	12	0	20.77	20.93	20.80	22	1	
5	QPSK	12	7	20.81	20.87	20.78			
5	QPSK	12	13	20.65	20.83	20.70			
5	QPSK	25	0	20.64	20.75	20.83	22	1	
5	16QAM	1	0	20.32	20.22	20.36			
5	16QAM	1	12	20.44	20.57	20.55			
5	16QAM	12	0	20.38	20.38	20.45	21	2	
5	16QAM	12	0	19.68	19.71	19.78			
5	16QAM	12	7	19.71	19.82	19.67			
5	16QAM	12	13	19.70	19.86	19.67	21	2	
5	16QAM	25	0	19.79	19.78	19.65			
5	64QAM	1	0	19.19	19.31	19.26			
5	64QAM	1	12	19.31	19.37	19.41	21	2	
5	64QAM	1	24	19.18	19.46	19.24			
5	64QAM	12	0	18.67	18.75	18.64			
5	64QAM	12	7	18.68	18.75	18.63	20	3	
5	64QAM	12	13	18.74	18.84	18.75			
5	64QAM	25	0	18.74	18.82	18.69			

Band 12_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.01	23.19	23.05	24	0		
10	QPSK	1	25	22.95	22.97	22.96				
10	QPSK	1	49	22.99	23.06	23.07				
10	QPSK	25	0	22.15	22.26	22.15	23	1		
10	QPSK	25	12	22.14	22.19	22.06				
10	QPSK	25	25	22.13	22.23	22.13				
10	QPSK	50	0	22.18	22.23	22.10	22	2		
10	16QAM	1	0	22.29	22.39	22.27				
10	16QAM	1	25	22.34	22.48	22.35				
10	16QAM	1	49	22.42	22.53	22.46	21	3		
10	16QAM	25	0	21.15	21.19	21.15				
10	16QAM	25	12	21.14	21.16	21.14				
10	16QAM	25	25	21.18	21.21	21.15	22	2		
10	16QAM	50	0	21.11	21.23	21.11				
10	64QAM	1	0	21.14	21.29	21.16				
10	64QAM	1	25	21.20	21.30	21.25	22	2		
10	64QAM	1	49	21.36	21.39	21.30				
10	64QAM	25	0	20.08	20.18	20.07				
10	64QAM	25	12	20.07	20.16	20.11	21	3		
10	64QAM	25	25	20.13	20.21	20.06				
10	64QAM	50	0	20.10	20.21	20.14				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	22.98	23.16	23.03	24	0		
5	QPSK	1	12	22.89	22.82	22.84				
5	QPSK	1	24	22.91	23.05	22.93				
5	QPSK	12	0	22.03	22.24	22.03	23	1		
5	QPSK	12	7	22.09	22.16	21.92				
5	QPSK	12	13	22.07	22.13	22.12				
5	QPSK	25	0	22.09	22.10	22.06	23	1		
5	16QAM	1	0	22.27	22.38	22.12				
5	16QAM	1	12	22.23	22.39	22.30				
5	16QAM	1	24	22.32	22.50	22.31	22	2		
5	16QAM	12	0	21.12	21.14	21.03				
5	16QAM	12	7	21.08	21.10	21.13				
5	16QAM	12	13	21.10	21.12	21.10	22	2		
5	16QAM	25	0	21.07	21.17	21.07				
5	64QAM	1	0	21.06	21.20	21.09				
5	64QAM	1	12	21.16	21.17	21.13	22	2		
5	64QAM	1	24	21.31	21.26	21.19				
5	64QAM	12	0	20.91	20.17	20.04				
5	64QAM	12	7	20.06	20.14	20.02	21	3		
5	64QAM	12	13	20.08	20.18	20.04				
5	64QAM	25	0	20.00	20.06	20.01				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	22.91	23.07	23.05	24	0		
3	QPSK	1	8	22.93	22.87	22.84				
3	QPSK	1	14	22.97	22.95	22.93				
3	QPSK	8	0	22.11	22.18	22.03	23	1		
3	QPSK	8	4	22.04	22.05	22.05				
3	QPSK	8	7	22.11	22.14	22.07				
3	QPSK	15	0	22.11	22.13	21.99	23	1		
3	16QAM	1	0	22.17	22.32	22.20				
3	16QAM	1	8	22.32	22.44	22.21				
3	16QAM	1	14	22.30	22.44	22.32	22	2		
3	16QAM	8	0	21.05	21.11	21.04				
3	16QAM	8	4	21.09	21.06	21.13				
3	16QAM	8	7	21.08	21.15	21.13	22	2		
3	16QAM	15	0	21.04	21.14	21.02				
3	64QAM	1	0	21.11	21.18	21.15				
3	64QAM	1	8	21.06	21.27	21.11	22	2		
3	64QAM	1	14	21.25	21.31	21.16				
3	64QAM	8	0	19.96	20.16	20.02				
3	64QAM	8	4	19.95	20.15	19.98	21	3		
3	64QAM	8	7	19.98	20.12	20.00				
3	64QAM	15	0	20.05	20.18	20.09				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	22.98	23.11	23.07	24	0		
1.4	QPSK	1	3	22.90	22.83	22.89				
1.4	QPSK	1	5	22.88	22.95	23.04				
1.4	QPSK	3	0	22.91	23.13	22.97	23	1		
1.4	QPSK	3	1	22.90	22.89	22.82				
1.4	QPSK	3	3	22.92	22.95	22.97				
1.4	QPSK	6	0	22.09	22.20	21.96	23	1		
1.4	16QAM	1	0	22.20	22.26	22.13				
1.4	16QAM	1	3	22.26	22.45	22.27				
1.4	16QAM	1	5	22.36	22.41	22.32	23	1		
1.4	16QAM	3	0	22.16	22.17	22.08				
1.4	16QAM	3	1	22.11	22.42	22.17				
1.4	16QAM	3	3	22.33	22.28	22.27	22	2		
1.4	16QAM	6	0	21.04	21.18	21.02				
1.4	64QAM	1	0	21.09	21.20	21.14				
1.4	64QAM	1	3	21.05	21.28	21.17	22	2		
1.4	64QAM	1	5	21.35	21.28	21.22				
1.4	64QAM	3	1	21.04	21.24	21.06				
1.4	64QAM	3	3	21.34	21.15	21.09	21	3		
1.4	64QAM	6	0	19.96	20.12	20.13				

Band 13_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.66		23.8	0		
10	QPSK	1	25		22.65					
10	QPSK	1	49		22.64					
10	QPSK	25	0		21.65		22.8	1		
10	QPSK	25	12		21.64					
10	QPSK	25	25		21.64					
10	QPSK	50	0		21.64		22.8	1		
10	16QAM	1	0		21.95					
10	16QAM	1	25		21.95					
10	16QAM	1	49		21.92		21.8	2		
10	16QAM	25	0		20.62					
10	16QAM	25	12		20.63					
10	16QAM	25	25		20.63		21.8	2		
10	16QAM	50	0		20.63					
10	64QAM	1	0		20.88					
10	64QAM	1	25		20.82		20.8	2		
10	64QAM	1	49		20.79					
10	64QAM	25	0		19.62					
10	64QAM	25	12		19.62		20.8	3		
10	64QAM	25	25		19.67					
10	64QAM	50	0		19.61					
Channel				23205	23220	23255	Tune-up limit (dBm)			
Frequency (MHz)				779.5	782	784.5				
5	QPSK	1	0	22.54	22.65	22.52	23.8	0		
5	QPSK	1	12	22.55	22.54	22.63				
5	QPSK	1	24	22.53	22.61	22.53				
5	QPSK	12	0	21.62	21.57	21.51	22.8	1		
5	QPSK	12	7	21.51	21.52	21.54				
5	QPSK	12	13	21.56	21.57	21.61				
5	QPSK	25	0	21.50	21.61	21.50	22.8	1		
5	16QAM	1	0	21.93	21.85	21.92				
5	16QAM	1	12	21.84	21.82	21.82				
5	16QAM	1	24	21.87	21.92	21.77	22.8	1		
5	16QAM	12	0	20.56	20.51	20.54				
5	16QAM	12	7	20.61	20.54	20.48				
5	16QAM	12	13	20.62	20.57	20.61	21.8	2		
5	16QAM	25	0	20.54	20.54	20.54				
5	64QAM	1	0	20.77	20.77	20.85				
5	64QAM	1	12	20.68	20.67	20.75	21.8	2		
5	64QAM	1	24	20.68	20.65	20.65				
5	64QAM	12	0	19.61	19.56	19.49				
5	64QAM	12	7	19.61	19.53	19.50	20.8	3		
5	64QAM	12	13	19.63	19.54	19.61				
5	64QAM	25	0	19.57	19.51	19.53				

Band 17_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.76	23.86	23.78	25	0		
10	QPSK	1	25	23.65	23.81	23.74				
10	QPSK	1	49	23.75	23.85	23.74				
10	QPSK	25	0	22.91	22.99	22.85	24	1		
10	QPSK	25	12	22.80	22.95	22.88				
10	QPSK	25	25	22.78	22.87	22.87				
10	QPSK	50	0	22.86	22.92	22.80	24	1		
10	16QAM	1	0	23.13	23.28	23.20				
10	16QAM	1	25	23.18	23.28	23.19				
10	16QAM	1	49	23.28	23.29	23.25	23	2		
10	16QAM	25	0	21.86	21.98	21.89				
10	16QAM	25	12	21.84	21.93	21.79				
10	16QAM	25	25	21.90	21.97	21.94	23	2		
10	16QAM	50	0	21.90	21.98	21.89				
10	64QAM	1	0	22.06	22.12	22.06				
10	64QAM	1	25	21.98	22.09	22.08	23	2		
10	64QAM	1	49	21.99	22.12	22.00				
10	64QAM	25	0	20.91	20.97	20.83				
10	64QAM	25	12	20.86	20.91	20.80	22	3		
10	64QAM	25	25	20.87	20.97	20.96				
10	64QAM	50	0	20.90	20.94	20.88				
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.74	23.78	23.68	25	0		
5	QPSK	1	12	23.61	23.68	23.60				
5	QPSK	1	24	23.60	23.74	23.73				
5	QPSK	12	0	22.83	22.94	22.80	24	1		
5	QPSK	12	7	22.77	22.88	22.84				
5	QPSK	12	13	22.65	22.84	22.83				
5	QPSK	25	0	22.78	22.85	22.71	24	1		
5	16QAM	1	0	23.09	23.27	23.17				
5	16QAM	1	12	23.15	23.14	23.04				
5	16QAM	1	24	23.18	23.23	23.13	23	2		
5	16QAM	12	0	21.78	21.89	21.77				
5	16QAM	12	7	21.78	21.80	21.66				
5	16QAM	12	13	21.84	21.86	21.86	23	2		
5	16QAM	25	0	21.76	21.94	21.78				
5	64QAM	1	0	21.92	22.04	21.95				
5	64QAM	1	12	21.88	22.04	21.94	23	2		
5	64QAM	1	24	21.97	21.99	21.86				
5	64QAM	12	0	20.87	20.96	20.74				
5	64QAM	12	7	20.83	20.87	20.79	22	3		
5	64QAM	12	13	20.72	20.92	20.83				
5	64QAM	25	0	20.79	20.88	20.81				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.03	23.07	22.99	24	0		
10	QPSK	1	25	22.85	22.87	22.83				
10	QPSK	1	49	22.85	23.06	22.93				
10	QPSK	25	0	22.21	22.27	22.17	23	1		
10	QPSK	25	12	22.00	22.17	22.00				
10	QPSK	25	25	22.07	22.24	22.15				
10	QPSK	50	0	22.19	22.23	22.17	23	1		
10	16QAM	1	0	22.47	22.51	22.47				
10	16QAM	1	25	22.40	22.49	22.38				
10	16QAM	1	49	22.35	22.47	22.32	22	2		
10	16QAM	25	0	21.05	21.19	21.12				
10	16QAM	25	12	21.02	21.16	21.14				
10	16QAM	25	25	21.11	21.24	21.18	22	2		
10	16QAM	50	0	21.09	21.19	21.13				
10	64QAM	1	0	21.34	21.38	21.36				
10	64QAM	1	25	21.29	21.34	21.29	22	2		
10	64QAM	1	49	21.33	21.37	21.31				
10	64QAM	25	0	20.14	20.20	20.08				
10	64QAM	25	12	20.08	20.15	20.06	21	3		
10	64QAM	25	25	20.15	20.23	20.15				
10	64QAM	50	0	20.11	20.22	20.17				
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	22.90	23.03	22.84	24	0		
5	QPSK	1	12	22.71	22.76	22.79				
5	QPSK	1	24	22.79	22.95	22.88				
5	QPSK	12	0	22.18	22.13	22.11	23	1		
5	QPSK	12	7	21.95	22.14	21.92				
5	QPSK	12	13	22.04	22.10	22.13				
5	QPSK	25	0	22.16	22.15	22.11	23	1		
5	16QAM	1	0	22.38	22.36	22.44				
5	16QAM	1	12	22.34	22.47	22.32				
5	16QAM	1	24	22.24	22.34	22.24	22	2		
5	16QAM	12	0	21.03	21.04	21.07				
5	16QAM	12	7	20.88	21.10	21.05				
5	16QAM	12	13	21.02	21.16	21.13	22	2		
5	16QAM	25	0	20.97	21.16	21.07				
5	64QAM	1	0	21.20	21.35	21.23				
5	64QAM	1	12	21.25	21.26	21.28	22	2		
5	64QAM	1	24	21.29	21.36	21.28				
5	64QAM	12	0	20.13	20.09	20.07				
5	64QAM	12	7	20.05	20.06	19.96	21	3		
5	64QAM	12	13	20.08	20.21	20.05				
5	64QAM	25	0	20.08	20.12	20.03				

Band 26_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	23.90	23.98	23.97	25	0		
15	QPSK	1	37	23.89	23.88	23.91				
15	QPSK	1	74	23.81	23.88	23.75				
15	QPSK	36	0	22.83	22.97	22.88	24	1		
15	QPSK	36	20	22.80	22.86	22.74				
15	QPSK	36	39	22.81	22.90	22.81				
15	QPSK	75	0	22.92	22.95	22.81	24	1		
15	16QAM	1	0	23.12	23.26	23.11				
15	16QAM	1	37	23.17	23.24	23.16				
15	16QAM	1	74	23.18	23.19	23.04	23	2		
15	16QAM	36	0	21.95	21.98	21.83				
15	16QAM	36	20	21.86	21.99	21.84				
15	16QAM	36	39	21.91	22.01	21.84	23	2		
15	16QAM	75	0	21.98	22.02	21.97				
15	64QAM	1	0	22.00	22.14	21.99				
15	64QAM	1	37	22.14	22.19	22.18	23	2		
15	64QAM	1	74	21.97	22.11	22.07				
15	64QAM	36	0	20.90	20.98	20.95				
15	64QAM	36	20	20.98	21.02	20.90	22	3		
15	64QAM	36	39	20.95	21.02	20.99				
15	64QAM	75	0	20.99	21.00	20.99				
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	23.84	23.96	23.95	25	0		
10	QPSK	1	25	23.88	23.84	23.87				
10	QPSK	1	49	23.68	23.84	23.74				
10	QPSK	25	0	22.82	22.86	22.84	24	1		
10	QPSK	25	12	22.78	22.74	22.69				
10	QPSK	25	25	22.76	22.75	22.68				
10	QPSK	50	0	22.78	22.87	22.80	24	1		
10	16QAM	1	0	22.99	23.11	22.99				
10	16QAM	1	25	23.17	23.19	23.05				
10	16QAM	1	49	23.07	23.18	22.90	23	2		
10	16QAM	25	0	21.87	21.92	21.71				
10	16QAM	25	12	21.78	21.90	21.79				
10	16QAM	25	25	21.76	21.74	21.68	23	2		
10	16QAM	50	0	21.93	21.99	21.84				
10	64QAM	1	0	21.85	22.03	21.97				
10	64QAM	1	25	22.13	22.11	22.15	23	2		
10	64QAM	1	49	21.82	21.98	22.03				
10	64QAM	25	0	20.83	20.95	20.82				
10	64QAM	25	12	20.92	20.90	20.88	22	3		
10	64QAM	25	25	20.85	20.92	20.97				
10	64QAM	50	0	20.96	20.92	20.86				
Channel				26715	26815	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	23.89	23.97	23.89	25	0		
5	QPSK	1	12	23.76	23.79	23.76				
5	QPSK	1	24	23.69	23.77	23.72				
5	QPSK	12	0	22.79	22.86	22.77	24	1		
5	QPSK	12	7	22.68	22.82	22.61				
5	QPSK	12	13	22.74	22.84	22.71				
5	QPSK	25	0	22.86	22.83	22.73	24	1		
5	16QAM	1	0	23.09	23.15	23.02				
5	16QAM	1	12	23.12	23.13	23.15				
5	16QAM	1	24	23.13	23.16	22.95	23	2		
5	16QAM	12	0	21.93	21.97	21.82				
5	16QAM	12	7	21.77	21.93	21.87				
5	16QAM	12	13	21.86	21.92	21.91	23	2		
5	16QAM	25	0	21.97	21.96	21.92				
5	64QAM	1	0	21.91	22.03	21.91				
5	64QAM	1	12	22.09	22.06	22.09	23	2		
5	64QAM	1	24	21.87	22.05	21.92				
5	64QAM	12	0	20.85	20.90	20.89				
5	64QAM	12	7	20.83	20.94	20.76	22	3		
5	64QAM	12	13	20.87	20.93	20.85				
5	64QAM	25	0	20.96	20.91	20.88				
Channel				26705	26805	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	23.82	23.84	23.86	25	0		
3	QPSK	1	8	23.80	23.76	23.79				
3	QPSK	1	14	23.66	23.79	23.72				
3	QPSK	8	0	22.69	22.88	22.82	24	1		
3	QPSK	8	4	22.73	22.71	22.64				
3	QPSK	8	7	22.74	22.80	22.77				
3	QPSK	15	0	22.80	22.87	22.69	24	1		
3	16QAM	1	0	22.98	23.22	23.06				
3	16QAM	1	8	23.06	23.11	23.15				
3	16QAM	1	14	23.16	23.06	22.91	23	2		
3	16QAM	8	0	21.83	21.94	21.69				
3	16QAM	8	4	21.82	21.93	21.83				
3	16QAM	8	7	21.90	21.98	21.89	23	2		
3	16QAM	15	0	21.92	22.02	21.91				
3	64QAM	1	0	21.99	22.12	21.85				
3	64QAM	1	8	22.04	22.04	22.14	23	2		
3	64QAM	1	14	21.84	22.04	22.03				
3	64QAM	8	0	20.85	20.96	20.87				
3	64QAM	8	4	20.97	20.94	20.83	22	3		
3	64QAM	8	7	20.84	21.00	20.90				
3	64QAM	15	0	20.85	20.99	20.94				
Channel				26697	26805	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.83	23.95	23.88	25	0		
1.4	QPSK	1	3	23.88	23.76	23.80				
1.4	QPSK	1	5	23.71	23.71	23.79				
1.4	QPSK	3	0	23.81	23.89	23.81	24	1		
1.4	QPSK	3	3	23.87	23.73	23.71				
1.4	QPSK	3	3	23.69	23.78	23.56				
1.4	QPSK	6	0	22.91	22.88	22.78	24	1		
1.4	16QAM	1	0	23.04	23.22	22.96				
1.4	16QAM	1	3	23.06	23.12	23.08				
1.4	16QAM	1	5	23.16	23.13	22.97	24	1		
1.4	16QAM	3	0	22.93	22.91	22.92				
1.4	16QAM	3	1	23.00	23.09	22.94				
1.4	16QAM	3	3	23.12	23.06	22.95	23	2		
1.4	16QAM	6	0	21.90	21.91	21.86				
1.4	64QAM	1	0	21.86	22.13	21.96				
1.4	64QAM	1	3	22.00	22.12	22.04	23	2		
1.4	64QAM	1	5	21.82	21.96	21.94				
1.4	64QAM	3	0	21.73	22.03	21.91				
1.4	64QAM	3	1	21.98	22.01	21.96	22	3		
1.4	64QAM	3	3	21.74	21.81	21.90				
1.4	64QAM	6	0	20.84	20.95	20.92				

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.76	22.85	22.82	24	0	
15	QPSK	1	37	22.64	22.79	22.72			
15	QPSK	1	74	22.57	22.70	22.55			
15	QPSK	36	0	21.67	21.77	21.65			
15	QPSK	36	20	21.64	21.67	21.65	23	1	
15	QPSK	36	39	21.64	21.70	21.65			
15	QPSK	75	0	21.64	21.75	21.73			
15	16QAM	1	0	21.94	22.02	22.01			
15	16QAM	1	37	21.92	22.04	21.95	23	1	
15	16QAM	1	74	21.90	21.95	21.86			
15	16QAM	36	0	20.68	20.80	20.70			
15	16QAM	36	20	20.72	20.81	20.68	22	2	
15	16QAM	36	39	20.79	20.81	20.78			
15	16QAM	75	0	20.75	20.83	20.82			
15	64QAM	1	0	20.87	20.92	20.80			
15	64QAM	1	37	20.85	20.95	20.83	22	2	
15	64QAM	1	74	20.81	20.90	20.83			
15	64QAM	36	0	19.67	19.82	19.69			
15	64QAM	36	20	19.79	19.82	19.81	21	3	
15	64QAM	36	39	19.78	19.82	19.79			
15	64QAM	75	0	19.69	19.82	19.77			
Channel				26740	26865	26960			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.65	22.74	22.81			
10	QPSK	1	25	22.52	22.68	22.70	24	0	
10	QPSK	1	49	22.56	22.66	22.40			
10	QPSK	25	0	21.62	21.72	21.53			
10	QPSK	25	12	21.60	21.64	21.53	23	1	
10	QPSK	25	25	21.59	21.66	21.62			
10	QPSK	50	0	21.51	21.72	21.71			
10	16QAM	1	0	21.84	22.01	21.92	23	1	
10	16QAM	1	25	21.77	21.86	21.85			
10	16QAM	1	49	21.82	21.89	21.71			
10	16QAM	25	0	20.54	20.66	20.62	22	2	
10	16QAM	25	12	20.58	20.74	20.60			
10	16QAM	25	25	20.78	20.80	20.75			
10	16QAM	50	0	20.67	20.72	20.71			
10	64QAM	1	0	20.75	20.88	20.71	22	2	
10	64QAM	1	25	20.73	20.82	20.77			
10	64QAM	1	49	20.77	20.86	20.69			
10	64QAM	25	0	19.65	19.73	19.59	21	3	
10	64QAM	25	12	19.69	19.70	19.77			
10	64QAM	25	25	19.70	19.81	19.71			
10	64QAM	50	0	19.54	19.79	19.68			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.73	22.84	22.76	24	0	
5	QPSK	1	12	22.60	22.64	22.61			
5	QPSK	1	24	22.46	22.67	22.43			
5	QPSK	12	0	21.58	21.69	21.61	23	1	
5	QPSK	12	7	21.60	21.66	21.56			
5	QPSK	12	13	21.50	21.64	21.62			
5	QPSK	25	0	21.61	21.63	21.61			
5	16QAM	1	0	21.82	22.00	21.87	23	1	
5	16QAM	1	12	21.82	21.92	21.94			
5	16QAM	1	24	21.76	21.84	21.82			
5	16QAM	12	0	20.63	20.66	20.55	22	2	
5	16QAM	12	7	20.68	20.72	20.58			
5	16QAM	12	13	20.75	20.69	20.77			
5	16QAM	25	0	20.74	20.77	20.76			
5	64QAM	1	0	20.79	20.80	20.71	22	2	
5	64QAM	1	12	20.77	20.80	20.70			
5	64QAM	1	24	20.67	20.88	20.75			
5	64QAM	12	0	19.66	19.81	19.63	21	3	
5	64QAM	12	7	19.70	19.81	19.73			
5	64QAM	12	13	19.72	19.71	19.71			
5	64QAM	25	0	19.62	19.69	19.73			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.75	22.79	22.76	24	0	
3	QPSK	1	8	22.55	22.70	22.76			
3	QPSK	1	14	22.50	22.68	22.54			
3	QPSK	8	0	21.61	21.66	21.51	23	1	
3	QPSK	8	4	21.52	21.53	21.43			
3	QPSK	8	7	21.51	21.65	21.56			
3	QPSK	15	0	21.62	21.66	21.66			
3	16QAM	1	0	21.83	21.98	21.92	23	1	
3	16QAM	1	8	21.78	21.92	21.86			
3	16QAM	1	14	21.82	21.80	21.71			
3	16QAM	8	0	20.61	20.75	20.69	22	2	
3	16QAM	8	4	20.59	20.80	20.54			
3	16QAM	8	7	20.72	20.66	20.69			
3	16QAM	15	0	20.61	20.72	20.67			
3	64QAM	1	0	20.77	20.77	20.74	22	2	
3	64QAM	1	8	20.78	20.87	20.80			
3	64QAM	1	14	20.76	20.78	20.68			
3	64QAM	8	0	19.58	19.74	19.66	21	3	
3	64QAM	8	4	19.65	19.73	19.74			
3	64QAM	8	7	19.72	19.70	19.69			
3	64QAM	15	0	19.62	19.67	19.70			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.61	22.73	22.74	24	0	
1.4	QPSK	1	3	22.54	22.72	22.68			
1.4	QPSK	1	5	22.43	22.55	22.47			
1.4	QPSK	3	0	22.53	22.71	22.67	23	1	
1.4	QPSK	3	1	22.42	22.57	22.56			
1.4	QPSK	3	3	22.30	22.50	22.46			
1.4	QPSK	6	0	21.59	21.62	21.61	23	1	
1.4	16QAM	1	0	21.84	21.97	21.87			
1.4	16QAM	1	3	21.85	22.01	21.81	23	1	
1.4	16QAM	1	5	21.87	21.90	21.80			
1.4	16QAM	3	0	21.82	21.94	21.85			
1.4	16QAM	3	1	21.75	21.88	21.77	22	2	
1.4	16QAM	3	3	21.76	21.82	21.77			
1.4	16QAM	6	0	20.73	20.72	20.76			
1.4	64QAM	1	0	20.82	20.86	20.67	22	2	
1.4	64QAM	1	3	20.72	20.84	20.74			
1.4	64QAM	1	5	20.73	20.77	20.73	22	2	
1.4	64QAM	3	0	20.70	20.73	20.63			
1.4	64QAM	3	1	20.66	20.78	20.64			
1.4	64QAM	3	3	20.72	20.68	20.64	21	3	
1.4	64QAM	6	0	19.66	19.74	19.75			

Band 66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.95	23.97	23.93	25	0	
20	QPSK	1	49	23.87	23.89	23.80			
20	QPSK	1	99	23.70	23.82	23.67			
20	QPSK	50	0	23.43	23.48	23.47	24	1	
20	QPSK	50	24	23.32	23.44	23.36			
20	QPSK	50	50	23.25	23.37	23.30			
20	QPSK	100	0	23.25	23.40	23.28			
20	16QAM	1	0	23.43	23.49	23.41	24	1	
20	16QAM	1	49	23.59	23.60	23.57			
20	16QAM	1	99	23.53	23.61	23.46			
20	16QAM	50	0	22.46	22.47	22.41	23	2	
20	16QAM	50	24	22.31	22.41	22.37			
20	16QAM	50	50	22.27	22.31	22.28			
20	16QAM	100	0	22.40	22.37	22.29			
20	64QAM	1	0	22.55	22.60	22.55	23	2	
20	64QAM	1	49	22.53	22.55	22.50			
20	64QAM	1	99	22.47	22.52	22.42			
20	64QAM	50	0	21.45	21.46	21.31	22	3	
20	64QAM	50	24	21.37	21.43	21.36			
20	64QAM	50	50	21.24	21.31	21.20			
20	64QAM	100	0	21.24	21.37	21.23			
Channel				132047	132322	132607			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.80	23.86	23.86	25	0	
15	QPSK	1	37	23.86	23.77	23.72			
15	QPSK	1	74	23.59	23.70	23.62			
15	QPSK	36	0	23.34	23.38	23.46	24	1	
15	QPSK	36	20	23.19	23.38	23.23			
15	QPSK	36	39	23.10	23.27	23.18			
15	QPSK	75	0	23.22	23.34	23.13	24	1	
15	16QAM	1	0	23.39	23.38	23.37			
15	16QAM	1	37	23.25	23.51	23.27	23	2	
15	16QAM	1	74	23.57	23.59	23.44			
15	16QAM	36	0	22.45	22.40	22.32			
15	16QAM	36	20	22.30	22.26	22.31	23	2	
15	16QAM	36	39	22.12	22.23	22.26			

Band 66_Ant 5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				132072	132322	132572	23	0				
Frequency (MHz)				1720	1745	1770						
20	QPSK	1	0	22.36	22.47	22.22				22	1	
20	QPSK	1	49	22.07	22.21	22.16						
20	QPSK	1	99	21.99	22.11	22.08						
20	QPSK	50	0	21.27	21.29	21.23						
20	QPSK	50	24	21.17	21.24	21.21	22	1				
20	QPSK	50	50	21.14	21.15	21.14						
20	QPSK	100	0	21.21	21.22	21.07						
20	16QAM	1	0	21.58	21.64	21.56						
20	16QAM	1	49	21.42	21.49	21.41	22	1				
20	16QAM	1	99	21.26	21.40	21.32						
20	16QAM	50	0	20.24	20.27	20.18						
20	16QAM	50	24	20.16	20.27	20.21						
20	16QAM	50	50	20.03	20.18	20.11	21	2				
20	16QAM	100	0	20.16	20.24	20.09						
20	64QAM	1	0	20.53	20.56	20.49						
20	64QAM	1	49	20.31	20.38	20.23						
20	64QAM	1	99	20.21	20.28	20.27	21	2				
20	64QAM	50	0	19.28	19.31	19.30						
20	64QAM	50	24	19.27	19.29	19.23						
20	64QAM	50	50	19.09	19.18	19.17						
20	64QAM	100	0	19.21	19.24	19.10	20	3				
Channel				132047	132322	132597				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5				23	0	
15	QPSK	1	0	22.26	22.24	22.07						
15	QPSK	1	37	21.92	22.17	22.10						
15	QPSK	1	74	21.89	21.98	21.99						
15	QPSK	36	0	21.14	21.25	21.13						
15	QPSK	36	20	21.02	21.22	21.09	22	1				
15	QPSK	36	39	21.11	21.05	21.05						
15	QPSK	75	0	21.11	21.15	20.95						
15	16QAM	1	0	21.54	21.63	21.54						
15	16QAM	1	37	21.31	21.46	21.37	22	1				
15	16QAM	1	74	21.23	21.36	21.17						
15	16QAM	36	0	20.17	20.22	20.05						
15	16QAM	36	20	20.02	20.17	20.12						
15	16QAM	36	39	19.91	20.06	20.08	21	2				
15	16QAM	75	0	20.02	20.20	19.98						
15	64QAM	1	0	20.38	20.51	20.39						
15	64QAM	1	37	20.20	20.27	20.08						
15	64QAM	1	74	20.16	20.14	20.24	21	2				
15	64QAM	36	0	19.21	19.21	19.21						
15	64QAM	36	20	19.13	19.20	19.18						
15	64QAM	36	39	19.03	19.16	19.04						
15	64QAM	75	0	19.14	19.16	18.99	20	3				
Channel				132022	132322	132622				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775				23	0	
10	QPSK	1	0	22.29	22.23	22.17						
10	QPSK	1	25	21.95	22.14	22.01						
10	QPSK	1	49	21.89	21.96	21.97						
10	QPSK	25	0	21.26	21.17	21.12						
10	QPSK	25	12	21.15	21.11	21.15	22	1				
10	QPSK	25	25	21.10	21.07	21.02						
10	QPSK	50	0	21.15	21.11	20.95						
10	16QAM	1	0	21.51	21.55	21.44						
10	16QAM	1	25	21.30	21.48	21.34	22	1				
10	16QAM	1	49	21.20	21.31	21.29						
10	16QAM	25	0	20.17	20.13	20.06						
10	16QAM	25	12	20.08	20.26	20.08						
10	16QAM	25	25	19.95	20.04	20.01	21	2				
10	16QAM	50	0	20.15	20.16	20.08						
10	64QAM	1	0	20.39	20.45	20.35						
10	64QAM	1	25	20.22	20.31	20.18						
10	64QAM	1	49	20.06	20.16	20.17	21	2				
10	64QAM	25	0	19.21	19.21	19.25						
10	64QAM	25	12	19.20	19.23	19.12						
10	64QAM	25	25	19.07	19.09	19.12						
10	64QAM	50	0	19.08	19.22	18.98	20	3				
Channel				131997	132322	132647				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5				23	0	
5	QPSK	1	0	22.25	22.27	22.12						
5	QPSK	1	12	22.02	22.08	22.13						
5	QPSK	1	24	21.87	22.09	22.03						
5	QPSK	12	0	21.17	21.27	21.19						
5	QPSK	12	7	21.05	21.18	21.15	22	1				
5	QPSK	12	13	21.09	21.02	21.01						
5	QPSK	25	0	21.17	21.13	20.92						
5	16QAM	1	0	21.50	21.54	21.46						
5	16QAM	1	12	21.32	21.47	21.32	22	1				
5	16QAM	1	24	21.22	21.29	21.19						
5	16QAM	12	0	20.16	20.19	20.16						
5	16QAM	12	7	20.11	20.16	20.17						
5	16QAM	12	13	19.94	20.06	20.03	21	2				
5	16QAM	25	0	20.14	20.20	19.94						
5	64QAM	1	0	20.41	20.47	20.48						
5	64QAM	1	12	20.22	20.34	20.17						
5	64QAM	1	24	20.19	20.18	20.15	21	2				
5	64QAM	12	0	19.20	19.30	19.15						
5	64QAM	12	7	19.22	19.18	19.19						
5	64QAM	12	13	18.97	19.03	19.08						
5	64QAM	25	0	19.19	19.21	19.06	20	3				
Channel				131987	132322	132657				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5				23	0	
3	QPSK	1	0	22.30	22.27	22.17						
3	QPSK	1	8	21.96	22.10	22.02						
3	QPSK	1	14	21.86	21.96	22.04						
3	QPSK	8	0	21.19	21.28	21.18						
3	QPSK	8	4	21.16	21.23	21.17	22	1				
3	QPSK	8	7	21.09	21.14	21.09						
3	QPSK	15	0	21.08	21.14	20.95						
3	QPSK	1	0	21.43	21.58	21.53						
3	16QAM	1	8	21.32	21.46	21.39	22	1				
3	16QAM	1	14	21.13	21.38	21.21						
3	16QAM	8	0	20.23	20.12	20.03						
3	16QAM	8	4	20.09	20.12	20.06						
3	16QAM	8	7	19.90	20.04	19.97	21	2				
3	16QAM	15	0	20.02	20.23	20.02						
3	64QAM	1	0	20.44	20.44	20.40						
3	64QAM	1	8	20.20	20.26	20.12						
3	64QAM	1	14	20.15	20.18	20.13	21	2				
3	64QAM	8	0	19.17	19.28	19.21						
3	64QAM	8	4	19.15	19.19	19.12						
3	64QAM	8	7	19.08	19.15	19.02						
3	64QAM	15	0	19.08	19.23	18.97	20	3				
Channel				131979	132322	132685				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3				23	0	
1.4	QPSK	1	0	22.30	22.26	22.15						
1.4	QPSK	1	3	22.06	22.19	22.14						
1.4	QPSK	1	5	21.92	22.00	21.93						
1.4	QPSK	3	0	22.16	22.19	22.05						
1.4	QPSK	3	1	21.97	22.09	22.02	23	0				
1.4	QPSK	3	3	21.84	21.93	21.87						
1.4	QPSK	6	0	21.10	21.10	21.06						
1.4	16QAM	1	0	21.47	21.62	21.44						
1.4	16QAM	1	3	21.36	21.46	21.30	22	1				
1.4	16QAM	1	5	21.22	21.30	21.19						
1.4	16QAM	3	0	21.38	21.51	21.37						
1.4	16QAM	3	1	21.29	21.40	21.20						
1.4	16QAM	3	3	21.18	21.18	21.06	22	1				
1.4	16QAM	6	0	20.08	20.22	19.99						
1.4	64QAM	1	0	20.48	20.53	20.37						
1.4	64QAM	1	3	20.25	20.37	20.38						
1.4	64QAM	1	5	20.13	20.22	20.22	21	2				
1.4	64QAM	3	0	20.45	20.45	20.27						
1.4	64QAM	3	1	20.16	20.28	20.21						
1.4	64QAM	3	3	20.21	20.34	20.21						
1.4	64QAM	6	0	19.12	19.12	19.05	20	2				

Band 38_Ant 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	24.44	24.47	24.48	25	0					
20	QPSK	1	49	24.37	24.44	24.33							
20	QPSK	1	99	24.33	24.38	24.32							
20	QPSK	36	0	23.43	23.39	23.45							
20	QPSK	50	24	23.34	23.44	23.40	24	1					
20	QPSK	50	50	23.40	23.48	23.37							
20	QPSK	100	0	23.31	23.40	23.26							
20	16QAM	1	0	23.42	23.45	23.36							
20	16QAM	1	49	23.37	23.45	23.30	24	1					
20	16QAM	1	99	23.44	23.53	23.45							
20	16QAM	50	0	22.29	22.37	22.35							
20	16QAM	50	24	22.46	22.47	22.40							
20	16QAM	50	50	22.37	22.44	22.33	23	2					
20	16QAM	100	0	22.34	22.48	22.46							
20	64QAM	1	0	21.85	21.96	21.95							
20	64QAM	1	49	22.56	22.70	22.55							
20	64QAM	1	99	22.14	22.22	22.20	23	2					
20	64QAM	50	0	21.39	21.42	21.38							
20	64QAM	50	24	21.43	21.45	21.31							
20	64QAM	50	50	21.34	21.44	21.42							
20	64QAM	100	0	21.33	21.43	21.41	Tune-up limit (dBm) MPR (dB)						
Channel				37850	38000	38175							
Frequency (MHz)				2572.5	2595	2612.5							
15	QPSK	1	0	24.40	24.30	24.43	25	0					
15	QPSK	1	37	24.28	24.32	24.18							
15	QPSK	1	74	24.27	24.29	24.26							
15	QPSK	36	0	23.42	23.40	23.35							
15	QPSK	36	20	23.20	23.30	23.39	24	1					
15	QPSK	36	39	23.30	23.33	23.32							
15	QPSK	75	0	23.26	23.37	23.13							
15	16QAM	1	0	23.31	23.37	23.26							
15	16QAM	1	37	23.31	23.32	23.29	24	1					
15	16QAM	1	74	23.39	23.41	23.38							
15	16QAM	36	0	22.14	22.22	22.26							
15	16QAM	36	20	22.40	22.41	22.37							
15	16QAM	36	39	22.29	22.31	22.23	23	2					
15	16QAM	75	0	22.26	22.40	22.38							
15	64QAM	1	0	21.84	21.86	21.88							
15	64QAM	1	37	22.48	22.55	22.45							
15	64QAM	1	74	22.03	22.14	22.13	22	3					
15	64QAM	36	0	21.29	21.36	21.29							
15	64QAM	36	20	21.31	21.40	21.17							
15	64QAM	36	39	21.23	21.30	21.35							
15	64QAM	75	0	21.25	21.42	21.39	Tune-up limit (dBm) MPR (dB)						
Channel				37800	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	24.43	24.32	24.31	25	0					
10	QPSK	1	25	24.33	24.37	24.30							
10	QPSK	1	49	24.18	24.25	24.17							
10	QPSK	25	0	23.32	23.37	23.38							
10	QPSK	25	12	23.33	23.40	23.28	24	1					
10	QPSK	25	25	23.35	23.42	23.27							
10	QPSK	50	0	23.22	23.36	23.23							
10	16QAM	1	0	23.38	23.33	23.26							
10	16QAM	1	25	23.22	23.37	23.29	24	1					
10	16QAM	1	49	23.42	23.52	23.37							
10	16QAM	25	0	22.22	22.24	22.20							
10	16QAM	25	12	22.32	22.41	22.37							
10	16QAM	25	25	22.28	22.35	22.23	23	2					
10	16QAM	50	0	22.23	22.44	22.45							
10	64QAM	1	0	21.62	21.68	21.90							
10	64QAM	1	25	22.50	22.59	22.43							
10	64QAM	1	49	21.99	22.19	22.10	22	3					
10	64QAM	25	0	21.33	21.38	21.29							
10	64QAM	25	12	21.32	21.38	21.29							
10	64QAM	25	25	21.20	21.37	21.36							
10	64QAM	50	0	21.19	21.32	21.38	Tune-up limit (dBm) MPR (dB)						
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	24.20	24.35	24.45	25	0					
5	QPSK	1	12	24.28	24.36	24.25							
5	QPSK	1	24	24.32	24.28	24.28							
5	QPSK	12	0	23.42	23.44	23.33							
5	QPSK	12	7	23.32	23.35	23.30	24	1					
5	QPSK	12	13	23.38	23.46	23.25							
5	QPSK	25	0	23.16	23.27	23.17							
5	16QAM	1	0	23.30	23.41	23.35							
5	16QAM	1	12	23.28	23.30	23.26	24	1					
5	16QAM	1	24	23.40	23.49	23.41							
5	16QAM	12	0	22.24	22.34	22.29							
5	16QAM	12	7	22.32	22.40	22.33							
5	16QAM	12	13	22.35	22.36	22.32	23	2					
5	16QAM	25	0	22.21	22.34	22.38							
5	64QAM	1	0	21.72	21.83	21.81							
5	64QAM	1	12	22.42	22.59	22.48							
5	64QAM	1	24	22.07	22.19	22.07	23	2					
5	64QAM	12	0	21.32	21.31	21.24							
5	64QAM	12	7	21.37	21.37	21.27							
5	64QAM	12	13	21.23	21.31	21.27							
5	64QAM	25	0	21.22	21.38	21.39	Tune-up limit (dBm) MPR (dB)						

Band 38_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	49	24.47	24.60	24.56	25	0		
	QPSK	1	99	24.46	24.57	24.52				
	QPSK	50	0	23.68	23.75	23.71				
	QPSK	50	24	23.80	23.74	23.63				
20	QPSK	50	50	23.85	23.87	23.85	24	1		
	QPSK	100	0	23.66	23.70	23.68				
	16QAM	1	0	23.70	23.77	23.62				
	16QAM	1	49	23.65	23.75	23.70				
20	16QAM	1	99	23.70	23.85	23.79	24	1		
	16QAM	50	0	22.65	22.71	22.59				
	16QAM	50	24	22.75	22.76	22.75				
	16QAM	50	50	22.70	22.78	22.68				
20	64QAM	1	0	22.68	22.73	22.67	23	2		
	64QAM	1	0	22.35	22.47	22.46				
	64QAM	1	49	22.52	22.51	22.47				
	64QAM	1	99	22.57	22.59	22.52				
20	64QAM	50	0	21.62	21.71	21.69	23	2		
	64QAM	50	24	21.72	21.76	21.67				
	64QAM	50	50	21.67	21.72	21.64				
	64QAM	100	0	21.67	21.73	21.68				
Channel				37875	38025	38175				
Frequency (MHz)				2577.5	2592.5	2607.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.49	24.54	24.53	25	0		
	QPSK	1	37	24.34	24.56	24.47				
	QPSK	1	74	24.37	24.47	24.46				
	QPSK	36	0	23.54	23.65	23.62				
15	QPSK	36	36	23.55	23.65	23.62	24	1		
	QPSK	36	36	23.50	23.63	23.57				
	QPSK	75	0	23.65	23.65	23.57				
	16QAM	1	0	23.61	23.70	23.67				
15	16QAM	1	0	23.61	23.73	23.66	24	1		
	16QAM	1	74	23.59	23.71	23.67				
	16QAM	36	0	22.52	22.63	22.55				
	16QAM	36	20	22.68	22.62	22.58				
15	16QAM	36	20	22.68	22.62	22.58	23	2		
	16QAM	75	0	22.66	22.67	22.53				
	16QAM	75	0	22.31	22.39	22.40				
	16QAM	1	37	22.28	22.42	22.41				
15	64QAM	1	74	22.46	22.50	22.50	23	2		
	64QAM	36	0	21.61	21.81	21.82				
	64QAM	36	20	21.57	21.71	21.83				
	64QAM	36	39	21.56	21.68	21.49				
15	64QAM	75	0	21.52	21.63	21.62	22	3		
	64QAM	75	0	21.60	21.63	21.62				
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2615				
10	QPSK	1	0	24.55	24.51	24.59	25	0		
	QPSK	1	25	24.33	24.54	24.42				
	QPSK	1	49	24.37	24.53	24.38				
	QPSK	1	74	24.38	24.57	24.33				
10	QPSK	25	12	23.48	23.59	23.62	24	1		
	QPSK	25	25	23.52	23.56	23.56				
	QPSK	50	0	23.60	23.61	23.53				
	16QAM	1	0	23.62	23.72	23.63				
10	16QAM	1	25	23.58	23.72	23.57	24	1		
	16QAM	1	49	23.64	23.71	23.74				
	16QAM	25	0	22.57	22.60	22.57				
	16QAM	25	12	22.68	22.62	22.57				
10	16QAM	25	12	22.68	22.62	22.53	23	2		
	16QAM	50	0	22.64	22.62	22.52				
	64QAM	1	0	22.33	22.42	22.38				
	64QAM	1	25	22.39	22.48	22.36				
10	64QAM	1	25	22.39	22.41	22.55	23	2		
	64QAM	25	0	21.53	21.67	21.62				
	64QAM	25	12	21.60	21.74	21.63				
	64QAM	25	25	21.54	21.63	21.54				
10	64QAM	50	0	21.53	21.63	21.65	22	3		
	64QAM	50	0	21.53	21.63	21.65				
Channel				3777.5	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2615				
5	QPSK	1	0	24.53	24.63	24.59	25	0		
	QPSK	1	12	24.41	24.57	24.43				
	QPSK	1	24	24.45	24.51	24.64				
	QPSK	12	0	23.59	23.64	23.67				
5	QPSK	12	7	23.58	23.59	23.61	24	1		
	QPSK	12	13	23.52	23.64	23.58				
	QPSK	25	0	23.58	23.68	23.58				
	16QAM	1	0	23.59	23.71	23.67				
5	16QAM	1	12	23.62	23.74	23.58	24	1		
	16QAM	1	24	23.56	23.76	23.74				
	16QAM	12	0	22.54	22.56	22.42				
	16QAM	12	13	22.66	22.52	22.72				
5	16QAM	12	13	22.64	22.77	22.54	23	2		
	16QAM	25	0	22.67	22.68	22.57				
	64QAM	1	0	22.31	22.46	22.38				
	64QAM	1	12	22.30	22.38	22.36				
5	64QAM	1	24	22.43	22.57	22.37	23	2		
	64QAM	12	0	21.48	21.68	21.55				
	64QAM	12	7	21.59	21.64	21.66				
	64QAM	12	13	21.54	21.61	21.61				
5	64QAM	12	0	21.48	21.61	21.55	22	3		
	64QAM	12	0	21.86	21.89	21.82				

Band 41_Ant 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41500					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	23.40	23.48	23.50	23.44	23.40	23.8	0			
20	QPSK	1	49	23.39	23.37	23.44	23.34	23.40					
20	QPSK	1	99	23.32	23.30	23.40	23.32	23.32					
20	QPSK	50	0	22.44	22.49	22.56	22.53	22.51					
20	QPSK	50	24	22.36	22.42	22.46	22.40	22.46	22.8	1			
20	QPSK	50	50	22.41	22.46	22.52	22.50	22.37					
20	QPSK	100	0	22.38	22.46	22.51	22.45	22.50					
20	16QAM	1	0	22.51	22.44	22.53	22.41	22.41					
20	16QAM	1	49	22.45	22.44	22.55	22.48	22.45	22.8	1			
20	16QAM	1	99	22.57	22.44	22.59	22.49	22.45					
20	16QAM	50	0	21.42	21.40	21.48	21.38	21.34					
20	16QAM	50	24	21.36	21.46	21.50	21.43	21.48					
20	16QAM	50	50	21.38	21.47	21.52	21.49	21.47	21.8	2			
20	16QAM	100	0	21.43	21.41	21.48	21.39	21.37					
20	64QAM	1	0	21.12	21.17	21.24	21.10	21.19					
20	64QAM	1	49	20.94	20.89	21.00	20.88	20.93					
20	64QAM	1	99	21.27	21.26	21.33	21.29	21.19	21.8	2			
20	64QAM	50	0	20.33	20.43	20.48	20.37	20.45					
20	64QAM	50	24	20.43	20.39	20.48	20.39	20.37					
20	64QAM	50	50	20.43	20.42	20.51	20.37	20.40					
20	64QAM	100	0	20.12	20.03	20.18	20.16	20.06	20.8	3			
Channel				39725	40173	40620	41093	41565					
Frequency (MHz)				2601.5	2644.3	2693	2737.8	2783.5			Time-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	23.31	23.43	23.35	23.41	23.33			23.8	0	
15	QPSK	1	37	23.29	23.25	23.29	23.27	23.33					
15	QPSK	1	74	23.22	23.15	23.38	23.30	23.20					
15	QPSK	36	0	22.37	22.36	22.54	22.46	22.40					
15	QPSK	36	20	22.23	22.29	22.49	22.31	22.40	22.8	1			
15	QPSK	36	39	22.40	22.34	22.46	22.45	22.36					
15	QPSK	75	0	22.33	22.37	22.40	22.40	22.37					
15	16QAM	1	0	22.45	22.42	22.40	22.34	22.32					
15	16QAM	1	37	22.43	22.51	22.45	22.44	22.28	22.8	1			
15	16QAM	1	74	22.45	22.40	22.57	22.36	22.30					
15	16QAM	36	0	21.36	21.38	21.38	21.34	21.29					
15	16QAM	36	20	21.28	21.31	21.47	21.40	21.35					
15	16QAM	36	39	21.32	21.39	21.49	21.46	21.43	21.8	2			
15	16QAM	75	0	21.37	21.39	21.40	21.45	21.31					
15	64QAM	1	0	21.06	21.10	21.09	20.96	21.07					
15	64QAM	1	37	20.80	20.86	20.99	20.81	20.89					
15	64QAM	1	74	21.34	21.11	21.22	21.28	21.05	21.8	2			
15	64QAM	36	0	20.21	20.32	20.37	20.23	20.37					
15	64QAM	36	20	20.34	20.37	20.42	20.29	20.29					
15	64QAM	36	39	20.42	20.41	20.41	20.25	20.37					
15	64QAM	75	0	20.00	19.92	20.10	20.10	20.01	20.8	3			
Channel				39700	40160	40620	41080	41540			Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2547	2593	2639	2685					
10	QPSK	1	0	23.37	23.44	23.40	23.34	23.33			23.8	0	
10	QPSK	1	25	23.36	23.35	23.37	23.33	23.32					
10	QPSK	1	49	23.20	23.18	23.28	23.22	23.28					
10	QPSK	25	0	22.35	22.48	22.52	22.42	22.38					
10	QPSK	25	12	22.35	22.30	22.36	22.28	22.39	22.8	1			
10	QPSK	25	25	22.33	22.39	22.37	22.35	22.31					
10	QPSK	50	0	22.21	22.40	22.44	22.34	22.40					
10	16QAM	1	0	22.46	22.29	22.40	22.27	22.30					
10	16QAM	1	25	22.41	22.39	22.53	22.45	22.38	22.8	1			
10	16QAM	1	49	22.43	22.38	22.53	22.38	22.44					
10	16QAM	25	0	21.28	21.37	21.45	21.35	21.33					
10	16QAM	25	12	21.27	21.40	21.42	21.37	21.33					
10	16QAM	25	25	21.24	21.39	21.42	21.39	21.33	21.8	2			
10	16QAM	50	0	21.28	21.27	21.45	21.38	21.26					
10	64QAM	1	0	21.06	21.09	21.17	21.04	21.11					
10	64QAM	1	25	20.93	20.81	20.92	20.80	20.85					
10	64QAM	1	49	21.14	21.22	21.30	21.31	21.18	21.8	2			
10	64QAM	25	0	20.28	20.31	20.36	20.31	20.38					
10	64QAM	25	12	20.42	20.25	20.33	20.31	20.24					
10	64QAM	25	25	20.36	20.28	20.42	20.32	20.39					
10	64QAM	50	0	20.04	20.00	20.13	20.05	19.92	20.8	3			
Channel				39675	40148	40620	41093	41565			Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	23.34	23.42	23.40	23.29	23.45			23.8	0	
5	QPSK	1	12	23.26	23.24	23.31	23.26	23.26					
5	QPSK	1	24	23.23	23.21	23.34	23.30	23.26					
5	QPSK	12	0	22.40	22.37	22.49	22.41	22.48					
5	QPSK	12	7	22.34	22.33	22.45	22.29	22.42	22.8	1			
5	QPSK	12	13	22.28	22.45	22.39	22.47	22.38					
5	QPSK	25	0	22.32	22.43	22.45	22.42	22.36					
5	16QAM	1	0	22.36	22.39	22.38	22.39	22.33					
5	16QAM	1	12	22.35	22.38	22.40	22.38	22.41	22.8	1			
5	16QAM	1	24	22.44	22.31	22.45	22.47	22.42					
5	16QAM	12	0	21.35	21.29	21.36	21.30	21.21					
5	16QAM	12	7	21.28	21.43	21.45	21.38	21.34					
5	16QAM	12	13	21.36	21.32	21.37	21.42	21.39	21.8	2			
5	16QAM	25	0	21.29	21.28	21.47	21.38	21.23					
5	64QAM	1	0	21.04	21.09	21.14	20.97	21.07					
5	64QAM	1	12	20.88	20.81	20.87	20.85	20.80					
5	64QAM	1	24	21.12	21.11	21.32	21.26	21.12	21.8	2			
5	64QAM	12	0	20.30	20.28	20.43	20.35	20.43					
5	64QAM	12	7	20.41	20.37	20.44	20.35	20.30	20.8	3			
5	64QAM	12	13	20.29	20.26	20.39	20.35	20.30					
5	64QAM	25	0	20.11	19.94	20.11	20.01	20.20					
5	64QAM	25	12	20.09	19.92	20.09	20.05	19.92					

Band 41 (HPUE)_Ant 3															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)					
Channel				39750	40155	40620	41095	41560							
Frequency (MHz)				2506	2549.5	2593	2636.5	2680							
20	QPSK	1	0	26.40	26.51	26.54	26.39	26.50	26.8	0					
20	QPSK	1	49	26.38	26.36	26.47	26.35	26.46							
20	QPSK	1	99	26.38	26.44	26.50	26.37	26.39							
20	QPSK	50	0	25.36	25.36	25.38	25.40	25.35							
20	QPSK	50	50	25.40	25.38	25.31	25.39	25.30	25.8	1					
20	QPSK	100	0	25.46	25.37	25.47	25.46	25.44							
20	16QAM	1	0	25.53	25.48	25.61	25.50	25.58							
20	16QAM	1	49	25.57	25.57	25.68	25.58	25.59							
20	16QAM	1	99	25.67	25.67	25.70	25.66	25.65	25.8	1					
20	16QAM	50	0	24.43	24.41	24.49	24.38	24.35							
20	16QAM	50	24	24.54	24.50	24.57	24.46	24.52							
20	16QAM	50	50	24.53	24.47	24.56	24.45	24.51							
20	16QAM	100	0	24.39	24.36	24.46	24.34	24.34	24.8	2					
20	64QAM	1	0	24.40	24.43	24.53	24.49	24.51							
20	64QAM	1	49	24.41	24.48	24.53	24.52	24.51							
20	64QAM	1	99	24.43	24.49	24.54	24.49	24.50							
20	64QAM	50	0	23.29	23.34	23.44	23.43	23.34	23.8	3					
20	64QAM	50	24	23.36	23.33	23.46	23.45	23.43							
20	64QAM	50	50	23.34	23.41	23.46	23.43	23.43							
20	64QAM	100	0	23.36	23.43	23.45	23.35	23.32							
Channel				39725	40173	40620	41098	41565	Time-up limit (dBm)		MPR (dB)				
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5							
15	QPSK	1	0	26.36	26.43	26.51	26.37	26.40	26.8		0				
15	QPSK	1	37	26.24	26.33	26.42	26.31	26.38							
15	QPSK	1	74	26.36	26.29	26.42	26.30	26.30							
15	QPSK	36	0	25.32	25.27	25.35	25.37	25.29							
15	QPSK	36	20	25.23	25.29	25.27	25.35	25.27	25.8	1					
15	QPSK	36	39	25.36	25.29	25.29	25.26	25.18							
15	QPSK	75	0	25.33	25.29	25.44	25.37	25.36							
15	16QAM	1	0	25.44	25.35	25.46	25.36	25.54							
15	16QAM	1	37	25.51	25.53	25.60	25.56	25.57	25.8	1					
15	16QAM	1	74	25.64	25.57	25.57	25.57	25.55							
15	16QAM	36	0	24.41	24.32	24.35	24.28	24.24							
15	16QAM	36	20	24.51	24.40	24.45	24.42	24.45							
15	16QAM	36	39	24.38	24.37	24.55	24.35	24.43	24.8	2					
15	16QAM	75	0	24.27	24.22	24.39	24.23	24.30							
15	64QAM	1	0	24.32	24.29	24.41	24.46	24.44							
15	64QAM	1	37	24.36	24.43	24.43	24.41	24.43							
15	64QAM	1	74	24.32	24.38	24.48	24.37	24.43	23.8	3					
15	64QAM	36	0	23.24	23.24	23.37	23.33	23.28							
15	64QAM	36	39	23.26	23.30	23.33	23.34	23.36							
15	64QAM	36	75	23.21	23.29	23.37	23.34	23.31							
15	64QAM	75	0	23.23	23.38	23.34	23.27	23.31							
Channel				39700	40160	40620	41080	41540			Time-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2501	2547	2593	2639	2685							
10	QPSK	1	0	26.32	26.41	26.46	26.30	26.37	26.8	0					
10	QPSK	1	25	26.25	26.24	26.42	26.30	26.38							
10	QPSK	1	49	26.23	26.43	26.37	26.34	26.28							
10	QPSK	25	0	25.27	25.32	25.42	25.39	25.33							
10	QPSK	25	12	25.33	25.28	25.29	25.34	25.23	25.8	1					
10	QPSK	25	25	25.33	25.27	25.23	25.33	25.21							
10	QPSK	50	0	25.40	25.31	25.44	25.38	25.36							
10	16QAM	1	0	25.44	25.35	25.46	25.36	25.54							
10	16QAM	1	25	25.49	25.45	25.62	25.51	25.55	25.8	1					
10	16QAM	1	49	25.58	25.60	25.55	25.53	25.52							
10	16QAM	25	0	24.42	24.26	24.47	24.28	24.32							
10	16QAM	25	12	24.41	24.38	24.44	24.44	24.39							
10	16QAM	25	25	24.41	24.31	24.46	24.44	24.44	24.8	2					
10	16QAM	50	0	24.28	24.21	24.33	24.23	24.28							
10	64QAM	1	0	24.30	24.41	24.52	24.41	24.48							
10	64QAM	1	25	24.32	24.35	24.47	24.46	24.46							
10	64QAM	1	49	24.28	24.48	24.45	24.37	24.49	23.8	3					
10	64QAM	25	0	23.25	23.28	23.34	23.31	23.20							
10	64QAM	25	12	23.24	23.30	23.39	23.41	23.34							
10	64QAM	25	25	23.24	23.27	23.43	23.31	23.40							
10	64QAM	50	0	23.29	23.33	23.38	23.22	23.27							
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)				MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5							
5	QPSK	1	0	26.30	26.37	26.39	26.28	26.49	26.8	0					
5	QPSK	1	12	26.28	26.28	26.36	26.20	26.40							
5	QPSK	1	24	26.33	26.36	26.38	26.31	26.35							
5	QPSK	12	0	25.37	25.28	25.30	25.36	25.26							
5	QPSK	12	7	25.31	25.29	25.36	25.27	25.25	25.8	1					
5	QPSK	12	13	25.39	25.25	25.20	25.38	25.28							
5	QPSK	25	0	25.35	25.32	25.33	25.40	25.43							
5	16QAM	1	0	25.51	25.35	25.48	25.42	25.53							
5	16QAM	1	12	25.44	25.42	25.56	25.46	25.57	25.8	1					
5	16QAM	1	24	25.57	25.59	25.69	25.58	25.61							
5	16QAM	12	0	24.32	24.34	24.40	24.22	24.24							
5	16QAM	12	7	24.46	24.43	24.48	24.37	24.37							
5	16QAM	12	13	24.38	24.41	24.42	24.31	24.48	24.8	2					
5	16QAM	25	0	24.38	24.35	24.33	24.23	24.26							
5	64QAM	1	0	24.30	24.28	24.47	24.35	24.41							
5	64QAM	1	12	24.32	24.42	24.47	24.43	24.41							
5	64QAM	1	24	24.40	24.41	24.52	24.37	24.36	23.8	3					
5	64QAM	12	0	23.24	23.22	23.30	23.38	23.34							
5	64QAM	12	7	23.26	23.32	23.40	23.37	23.34							
5	64QAM	12	13	23.27	23.37	23.40	23.33	23.33							
5	64QAM	25	0	23.35	23.39	23.30	23.25	23.27							

Band 41_Ant 5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39760	40165	40620	41095	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.47	20.42	20.48	20.58	20.02			19.8	0
20	QPSK	1	49	20.21	20.25	20.25	20.07	19.96				
20	QPSK	1	99	20.25	20.26	20.24	20.01	19.98				
20	QPSK	50	0	19.35	19.36	19.40	19.40	19.40				
20	QPSK	50	24	19.31	19.29	19.16	19.08	19.08			19.8	1
20	QPSK	50	50	19.34	19.26	19.20	19.03	19.12				
20	QPSK	100	0	19.38	19.27	19.39	19.08	19.05				
20	16QAM	1	0	18.69	18.74	18.70	18.45	18.59				
20	16QAM	1	49	18.72	18.73	18.71	18.47	18.57			19.8	1
20	16QAM	1	99	19.06	19.07	19.00	18.84	18.87				
20	16QAM	50	0	18.24	18.23	18.27	18.09	18.05				
20	16QAM	50	24	18.04	17.99	17.99	17.82	17.83				
20	16QAM	100	0	18.28	18.34	18.26	17.85	17.71			18.8	2
20	16QAM	100	0	17.92	17.99	17.95	17.77	17.74				
20	64QAM	1	0	17.77	17.85	17.76	17.65	17.60				
20	64QAM	1	49	18.13	18.05	18.06	17.85	17.87				
20	64QAM	1	99	18.00	18.08	18.04	17.79	17.81			18.8	2
20	64QAM	50	0	17.26	17.34	17.27	17.11	17.05				
20	64QAM	50	24	17.26	17.23	17.28	17.07	17.12				
20	64QAM	50	50	17.23	17.29	17.26	17.09	17.12				
20	64QAM	100	0	17.58	17.63	17.66	17.59	17.57			17.8	3
Channel				39725 <th>40173<th>40620<th>41095<th>41545<th></th><th></th></th></th></th></th>	40173 <th>40620<th>41095<th>41545<th></th><th></th></th></th></th>	40620 <th>41095<th>41545<th></th><th></th></th></th>	41095 <th>41545<th></th><th></th></th>	41545 <th></th> <th></th>				
Frequency (MHz)				2503.5 <th>2549.3<th>2593<th>2637.8<th>2692.5<th></th><th></th></th></th></th></th>	2549.3 <th>2593<th>2637.8<th>2692.5<th></th><th></th></th></th></th>	2593 <th>2637.8<th>2692.5<th></th><th></th></th></th>	2637.8 <th>2692.5<th></th><th></th></th>	2692.5 <th></th> <th></th>				
15	QPSK	1	0	20.42	20.27	20.23	19.95	19.88				
15	QPSK	1	37	20.14	20.24	20.19	20.03	19.93				
15	QPSK	1	74	20.13	20.18	20.19	19.88	19.97				
15	QPSK	1	111	19.22	19.34	19.34	19.05	18.97				
15	QPSK	36	39	19.16	19.20	19.15	19.04	19.04			19.8	1
15	QPSK	36	39	19.28	19.18	19.08	18.83	19.07				
15	QPSK	75	0	19.34	19.21	19.10	19.02	19.00				
15	16QAM	1	0	18.67	18.61	18.62	18.42	18.47				
15	16QAM	1	37	18.69	18.73	18.67	18.48	18.46			19.8	1
15	16QAM	1	74	18.66	18.94	18.99	18.82	18.73				
15	16QAM	36	39	18.12	18.22	18.14	18.06	17.97				
15	16QAM	36	39	18.90	18.79	18.66	18.67	18.72				
15	16QAM	36	39	18.26	18.23	18.24	18.09	17.94			18.8	2
15	16QAM	75	0	17.89	17.95	17.92	17.66	17.62				
15	64QAM	1	0	17.70	17.79	17.61	17.57	17.67				
15	64QAM	1	37	18.02	17.94	17.91	17.71	17.81				
15	64QAM	1	74	18.00	17.92	17.94	17.85	17.88			18.8	2
15	64QAM	36	39	17.23	17.25	17.15	17.04	16.93				
15	64QAM	36	39	17.15	17.16	17.22	17.01	17.11				
15	64QAM	36	39	17.15	17.19	17.15	17.03	16.98				
15	64QAM	75	0	16.85	16.93	16.95	16.65	16.68			17.8	3
Channel				39700	40160	40620	41090	41540 <th></th> <th></th>				
Frequency (MHz)				2501 <th>25457<th>2593<th>2639<th>2685<th></th><th></th></th></th></th></th>	25457 <th>2593<th>2639<th>2685<th></th><th></th></th></th></th>	2593 <th>2639<th>2685<th></th><th></th></th></th>	2639 <th>2685<th></th><th></th></th>	2685 <th></th> <th></th>				
10	QPSK	1	0	20.37	20.33	20.21	19.94	19.92				
10	QPSK	1	25	20.18	20.23	20.14	19.86	19.84				
10	QPSK	1	49	20.11	20.21	20.13	19.87	19.87				
10	QPSK	25	19	19.35	19.31	19.21	19.05	19.10				
10	QPSK	25	12	19.23	19.20	19.06	19.02	18.93			19.8	1
10	QPSK	25	19	19.19	19.21	19.19	18.98	18.97				
10	QPSK	50	0	19.29	19.15	19.20	18.96	19.01				
10	16QAM	1	0	18.66	18.61	18.61	18.44	18.58				
10	16QAM	1	25	18.60	18.64	18.60	18.35	18.30			19.8	1
10	16QAM	1	49	18.93	19.03	18.91	18.73	18.76				
10	16QAM	25	0	18.11	18.08	18.23	18.05	18.04				
10	16QAM	25	12	18.06	17.87	17.90	17.62	17.67				
10	16QAM	25	19	17.87	18.26	18.18	18.09	18.01			18.8	2
10	16QAM	50	0	17.90	17.91	17.93	17.69	17.65				
10	64QAM	1	0	17.74	17.83	17.62	17.63	17.45				
10	64QAM	1	25	18.18	17.98	17.97	17.78	17.87				
10	64QAM	1	49	17.95	18.06	17.95	17.79	17.89			17.8	3
10	64QAM	25	0	17.25	17.24	17.12	17.10	16.98				
10	64QAM	25	12	17.17	17.21	17.20	16.94	17.11				
10	64QAM	25	19	17.22	17.24	17.17	16.94	17.10				
10	64QAM	50	0	16.86	17.02	16.94	16.69	16.64			19.8	1
Channel				39675 <th>40148<th>40620<th>41093<th>41565<th></th><th></th></th></th></th></th>	40148 <th>40620<th>41093<th>41565<th></th><th></th></th></th></th>	40620 <th>41093<th>41565<th></th><th></th></th></th>	41093 <th>41565<th></th><th></th></th>	41565 <th></th> <th></th>				
Frequency (MHz)				2498.5 <th>25445.8<th>2593<th>2640.30<th>2687.5<th></th><th></th></th></th></th></th>	25445.8 <th>2593<th>2640.30<th>2687.5<th></th><th></th></th></th></th>	2593 <th>2640.30<th>2687.5<th></th><th></th></th></th>	2640.30 <th>2687.5<th></th><th></th></th>	2687.5 <th></th> <th></th>				
5	QPSK	1	0	20.46	20.38	20.11	20.05	19.99				
5	QPSK	1	12	20.08	20.23	20.16	19.07	18.98				
5	QPSK	1	25	20.11	20.20	20.13	18.97	18.96				
5	QPSK	12	0	19.37	19.23	19.13	18.96	19.10				
5	QPSK	12	7	19.29	19.28	19.09	18.86	18.96			19.8	1
5	QPSK	12	13	19.19	19.24	19.10	18.99	19.03				
5	16QAM	1	0	19.36	19.18	19.18	18.92	18.93				
5	16QAM	1	0	18.54	18.59	18.57	18.38	18.47				
5	16QAM	1	12	18.67	18.64	18.60	18.46	18.36			18.8	1
5	16QAM	1	24	18.65	18.95	18.96	18.81	18.78				
5	16QAM	12	13	18.81	18.99	18.96	18.76	18.79				
5	16QAM	12	7	17.91	17.95	17.96	17.81	17.79				
5	16QAM	12	13	18.66	18.31	18.18	18.06	17.96			18.8	2
5	16QAM	25	0	17.87	17.87	17.92	17.68	17.60				
5	64QAM	1	0	17.74	17.82	17.70	17.51	17.47				
5	64QAM	1	12	18.07	18.07	17.87	17.84	17.81				
5	64QAM	1	24	17.92	17.99	17.89	17.81	17.79			18.8	2
5	64QAM	12	0	17.22	17.20	17.24	16.96	16.96				
5	64QAM	12	7	17.20	17.09	17.27	16.94	17.02				
5	64QAM	12	13	17.10	17.12	17.24	16.98	16.98				
5	64QAM	25	0	16.91	16.91	16.84	16.72	16.69			17.8	3
Channel				39675	40148 <th>40620<th>41093<th>41565<th></th><th></th></th></th></th>	40620 <th>41093<th>41565<th></th><th></th></th></th>	41093 <th>41565<th></th><th></th></th>	41565 <th></th> <th></th>				
Frequency (MHz)				2498.5	25445.8	2593	2640.30	2687.5 <th></th> <th></th>				

Reduced Power Mode for ECI3

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		29.90	29.95	29.95	31.80	20.90	20.95	20.95	22.80
GPRS 1 Tx slot		29.92	30.10	30.03	31.80	20.92	21.10	21.03	22.80
GPRS 2 Tx slots		26.86	27.07	26.95	28.80	20.86	21.07	20.95	22.80
GPRS 3 Tx slots		25.02	25.31	25.19	26.80	20.76	21.05	20.93	22.54
GPRS 4 Tx slots		23.87	24.08	23.94	25.80	20.87	21.08	20.94	22.80
EDGE(GMSK 1 Tx slot)		29.88	30.04	29.89	31.80	20.88	21.04	20.89	22.80
EDGE(GMSK 2 Tx slot)		26.81	26.95	26.84	28.80	20.81	20.95	20.84	22.80
EDGE(GMSK 3 Tx slot)		24.90	25.19	25.11	26.80	20.64	20.93	20.85	22.54
EDGE(GMSK 4 Tx slot)		23.88	24.06	23.85	25.80	20.88	21.06	20.85	22.80
EDGE 1 Tx slot		26.05	26.41	26.60	27.80	17.05	17.41	17.60	18.80
EDGE 2 Tx slots		23.87	23.94	24.08	25.80	17.87	17.94	18.08	19.80
EDGE 3 Tx slots		22.01	22.23	22.31	23.30	17.75	17.97	18.05	19.04
EDGE 4 Tx slots		21.26	21.54	21.63	22.80	18.26	18.54	18.63	19.80

GSM1900_Ant 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.51	29.78	29.88	30.30	20.51	20.78	20.88	21.30
GPRS 1 Tx slot	29.51	29.77	29.87	30.30	20.51	20.77	20.87	21.30
GPRS 2 Tx slots	27.04	27.39	27.38	28.30	21.04	21.39	21.38	22.30
GPRS 3 Tx slots	25.27	25.51	25.59	26.30	21.01	21.25	21.33	22.04
GPRS 4 Tx slots	23.98	24.11	24.14	24.80	20.98	21.11	21.14	21.80
EDGE(GMSK 1 Tx slot)	29.49	29.70	29.82	30.30	20.49	20.70	20.82	21.30
EDGE(GMSK 2 Tx slot)	26.93	27.24	27.24	28.30	20.93	21.24	21.24	22.30
EDGE(GMSK 3 Tx slot)	25.24	25.46	25.55	26.30	20.98	21.20	21.29	22.04
EDGE(GMSK 4 Tx slot)	23.96	24.11	24.13	24.80	20.96	21.11	21.13	21.80
EDGE 1 Tx slot	25.61	25.75	25.71	26.80	16.61	16.75	16.71	17.80
EDGE 2 Tx slots	22.45	22.56	22.47	23.80	16.45	16.56	16.47	17.80
EDGE 3 Tx slots	20.95	20.97	20.85	22.30	16.69	16.71	16.59	18.04
EDGE 4 Tx slots	20.06	20.10	19.99	21.80	17.06	17.10	16.99	18.80

Band	WCDMA II_Ant 4				Tune-up Limit (dBm)	WCDMA II_Ant 3				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		9262	9400	9538		
Rx Channel		9662	9800	9938		9662	9800	9938		
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	20.44	20.49	20.27	21.30	21.59	21.60	21.64	22.30	
3GPP Rel 99	RMIC 12.2Kbps	20.49	20.53	20.41	21.30	21.71	21.72	21.70	22.30	
3GPP Rel 6	HSDPA Subtest-1	20.48	20.48	20.49	21.30	21.64	21.69	21.70	22.30	
3GPP Rel 6	HSDPA Subtest-2	20.50	20.45	20.52	21.30	21.66	21.62	21.65	22.30	
3GPP Rel 6	HSDPA Subtest-3	20.52	20.45	20.44	21.30	21.70	21.62	21.69	22.30	
3GPP Rel 6	HSDPA Subtest-4	20.47	20.50	20.46	21.30	21.63	21.67	21.66	22.30	
3GPP Rel 6	DC-HSDPA Subtest-1	20.46	20.47	20.40	21.30	21.61	21.54	21.55	22.30	
3GPP Rel 6	DC-HSDPA Subtest-2	20.35	20.36	20.40	21.30	21.53	21.67	21.65	22.30	
3GPP Rel 6	DC-HSDPA Subtest-3	20.51	20.48	20.45	21.30	21.57	21.69	21.67	22.30	
3GPP Rel 6	DC-HSDPA Subtest-4	20.51	20.44	20.44	21.30	21.52	21.60	21.71	22.30	
3GPP Rel 6	HSUPA Subtest-1	20.49	20.45	20.40	21.30	21.09	21.11	21.05	21.80	
3GPP Rel 6	HSUPA Subtest-2	20.43	20.49	20.52	21.30	21.07	21.12	21.02	21.80	
3GPP Rel 6	HSUPA Subtest-3	20.52	20.51	20.45	21.30	21.60	21.62	21.64	22.30	
3GPP Rel 6	HSUPA Subtest-4	20.47	20.50	20.48	21.30	20.62	20.65	20.63	21.80	
3GPP Rel 6	HSUPA Subtest-5	20.50	20.40	20.50	21.30	21.70	21.69	21.68	22.30	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.40	20.42	20.34	21.30	21.00	21.07	20.95	22.30	

Band	WCDMA V_Ant 1					WCDMA V_Ant 0				
	TX Channel	4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)	
	Rx Channel	4357	4407	4458		4357	4407	4458		
	Frequency (MHz)	826.4	836.4	846.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	21.23	21.35	21.28	22.30	22.09	22.20	22.13	22.30	
3GPP Rel 99	AMR 12.2Kbps	21.31	21.38	21.34	22.30	22.22	22.24	22.20	22.30	
3GPP Rel 6	HSDPA Subtest-1	21.26	21.28	21.33	22.30	22.04	22.09	22.08	22.80	
3GPP Rel 6	HSDPA Subtest-2	21.24	21.26	21.30	22.30	21.99	22.07	22.09	22.80	
3GPP Rel 6	HSDPA Subtest-3	21.29	21.29	21.28	22.30	21.54	21.60	21.61	22.30	
3GPP Rel 6	HSDPA Subtest-4	21.21	21.30	21.34	22.30	21.50	21.57	21.59	22.30	
3GPP Rel 6	DC-HSDPA Subtest-1	21.17	21.27	21.23	22.30	21.90	22.00	22.05	22.80	
3GPP Rel 6	DC-HSDPA Subtest-2	21.23	21.14	21.23	22.30	21.89	22.01	21.98	22.80	
3GPP Rel 6	DC-HSDPA Subtest-3	21.18	21.20	21.21	22.30	21.53	21.48	21.50	22.30	
3GPP Rel 6	DC-HSDPA Subtest-4	21.19	21.15	21.31	22.30	21.37	21.45	21.44	22.30	
3GPP Rel 6	HSUPA Subtest-1	20.97	20.98	20.98	21.80	20.05	20.08	20.03	20.80	
3GPP Rel 6	HSUPA Subtest-2	21.01	21.01	21.02	21.80	20.04	20.06	20.06	20.80	
3GPP Rel 6	HSUPA Subtest-3	21.23	21.28	21.34	22.30	21.06	21.09	21.07	21.80	
3GPP Rel 6	HSUPA Subtest-4	20.52	20.55	20.49	21.80	19.61	19.63	19.57	20.80	
3GPP Rel 6	HSUPA Subtest-5	21.20	21.30	21.30	22.30	21.50	21.10	21.10	21.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.98	20.90	22.80	20.02	19.91	19.95	21.80	

GSM850_Ant 0		Burst Average Power (dbm)			Tune-up Limit (dbm)	Frame-Average Power (dbm)			Tune-up Limit (dbm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.18	31.18	31.20	32.30	22.18	22.18	22.20	23.30
GPRS 1 Tx slot		31.17	31.17	31.19	32.30	22.17	22.17	22.19	23.30
GPRS 2 Tx slots		28.84	28.85	28.68	29.30	22.84	22.85	22.68	23.30
GPRS 3 Tx slots		26.73	26.78	26.67	27.30	22.47	22.52	22.41	23.64
GPRS 4 Tx slots		25.75	25.76	25.58	26.30	22.75	22.76	22.58	23.30
EDGE(GMSK 1 Tx slot)		31.08	31.15	31.09	32.30	22.08	22.15	22.09	23.30
EDGE(GMSK 2 Tx slot)		28.68	28.69	28.60	29.30	22.68	22.69	22.60	23.30
EDGE(GMSK 3 Tx slot)		26.71	26.68	26.59	27.30	22.45	22.42	22.33	23.64
EDGE(GMSK 4 Tx slot)		25.69	25.62	25.49	26.30	22.69	22.62	22.49	23.30
EDGE 1 Tx slot		24.98	25.01	25.10	26.80	15.98	16.01	16.10	17.80
EDGE 2 Tx slots		22.80	22.80	22.95	24.80	16.80	16.80	16.95	18.80
EDGE 3 Tx slots		20.97	20.90	20.94	22.30	16.71	16.63	16.68	18.04
EDGE 4 Tx slots		20.14	20.20	20.23	21.80	17.14	17.20	17.23	18.80

GSM1900_Ant 3	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
TX Channel	512	661	810			512	661	810		
Frequency (MHz)	1850.2	1880	1908	1909.8		1850.2	1880	1908	1909.8	
GSM 1 Tx slot	29.47	29.78	29.76	29.68	30.80	20.47	20.78	20.68	21.00	
GPRS 1 Tx slot	29.46	29.73	29.67	29.67	30.80	20.46	20.73	20.67	21.00	
GPRS 2 Tx slots	27.11	27.35	27.29	26.80	21.11	21.35	21.29	22.50		
GPRS 3 Tx slots	25.34	25.56	25.52	26.80	21.08	21.30	21.26	22.50		
GPRS 4 Tx slots	24.01	24.26	24.18	25.30	21.01	21.26	21.18	22.30		
EDGE(GMSK 1 Tx slot)	29.44	29.58	29.59	30.80	20.44	20.58	20.59	21.30		
EDGE(GMSK 2 Tx slot)	27.04	27.28	27.18	28.80	21.04	21.28	21.18	22.30		
EDGE(GMSK 3 Tx slot)	25.23	25.54	25.48	26.80	20.97	21.28	21.22	22.50		
EDGE(GMSK 4 Tx slot)	23.98	24.12	24.10	25.30	20.88	21.12	21.10	22.50		
EDGE 1 Tx slot	25.60	25.82	25.65	27.30	16.60	16.82	16.65	18.30		
EDGE 2 Tx slots	22.80	22.91	22.80	24.80	16.80	16.91	16.80	18.80		
EDGE 3 Tx slots	20.98	21.22	20.97	22.80	16.70	16.96	16.71	18.54		
EDGE 4 Tx slots	20.35	20.39	20.30	22.30	17.35	17.39	17.30	19.30		

Band	WCDMA IV_Ant 4				Tune-up Limit (dBm)	WCDMA IV_Ant 3				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
Rx Channel		1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	22.33	22.30	22.26	22.80	23.03	23.13	22.97	23.30	
3GPP Rel 99	RMC 12.2Kbps	22.41	22.46	22.29	22.80	23.15	23.16	23.11	23.30	
3GPP Rel 6	HSDPA Subtest-1	22.32	22.39	22.31	22.80	23.10	23.09	23.06	23.30	
3GPP Rel 6	HSDPA Subtest-2	22.39	22.36	22.37	22.80	23.04	23.11	23.09	23.30	
3GPP Rel 6	HSDPA Subtest-3	22.34	22.39	22.40	22.80	23.00	23.04	23.03	23.30	
3GPP Rel 6	HSDPA Subtest-4	22.40	22.37	22.36	22.80	22.93	23.02	22.97	23.30	
3GPP Rel 8	DC-HSDPA Subtest-1	22.31	22.35	22.20	22.80	23.03	23.07	23.01	23.30	
3GPP Rel 8	DC-HSDPA Subtest-2	22.35	22.33	22.36	22.80	22.97	23.02	22.95	23.30	
3GPP Rel 8	DC-HSDPA Subtest-3	22.35	22.31	22.33	22.80	22.90	22.97	22.94	23.30	
3GPP Rel 8	DC-HSDPA Subtest-4	22.28	22.36	22.33	22.80	22.84	22.99	22.88	23.30	
3GPP Rel 6	HSUPA Subtest-1	21.34	21.35	21.33	21.80	21.34	21.46	21.38	21.80	
3GPP Rel 6	HSUPA Subtest-2	21.35	21.36	21.35	21.80	21.42	21.50	21.41	21.80	
3GPP Rel 6	HSUPA Subtest-3	22.37	22.38	22.35	22.80	22.48	22.49	22.43	22.80	
3GPP Rel 6	HSUPA Subtest-4	20.89	20.89	20.84	21.80	20.90	20.94	20.93	21.80	
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.30	22.80	22.35	22.40	22.40	22.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.32	21.32	21.21	22.80	21.34	21.49	21.28	22.80	

Band 2_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18700	18900	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	20.94	21.03	20.93	21.8	0		
20	QPSK	1	49	20.89	20.86	20.88				
20	QPSK	1	99	20.92	20.90	20.83				
20	QPSK	50	0	20.83	20.87	20.87	21.8	0		
20	QPSK	50	24	20.90	20.89	20.91				
20	QPSK	50	50	20.91	20.92	20.83				
20	QPSK	100	0	20.87	20.90	20.81	21.8	0		
20	16QAM	1	0	21.03	20.80	20.84				
20	16QAM	1	49	20.92	20.82	20.91				
20	16QAM	1	99	20.93	20.78	20.86	21.8	0		
20	16QAM	50	0	21.02	20.78	20.84				
20	16QAM	50	24	20.94	20.91	20.88				
20	16QAM	50	50	20.92	20.90	20.84	21.8	0		
20	16QAM	100	0	21.00	20.92	20.80				
20	64QAM	1	0	20.98	20.89	20.92				
20	64QAM	1	49	20.93	20.80	20.82	21.8	0		
20	64QAM	1	99	20.92	20.82	20.89				
20	64QAM	50	0	19.90	20.07	19.96				
20	64QAM	50	24	19.83	20.03	19.89	20.8	1		
20	64QAM	50	50	19.81	20.02	19.84				
20	64QAM	100	0	20.05	20.03	20.03				
Channel				18900	18900	19100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1880	1880	1900				
15	QPSK	1	0	20.86	20.94	20.85	21.8	0		
15	QPSK	1	37	20.88	20.84	20.84				
15	QPSK	1	74	20.80	20.85	20.77				
15	QPSK	36	0	20.91	20.92	20.82	21.8	0		
15	QPSK	36	20	20.82	20.79	20.75				
15	QPSK	36	39	20.87	20.87	20.77				
15	QPSK	75	0	20.72	20.69	20.74	21.8	0		
15	16QAM	1	0	20.88	20.79	20.70				
15	16QAM	1	37	20.88	20.69	20.76				
15	16QAM	1	74	20.90	20.71	20.74	21.8	0		
15	16QAM	36	0	20.95	20.70	20.72				
15	16QAM	36	20	20.84	20.78	20.86				
15	16QAM	36	39	20.85	20.85	20.69	21.8	0		
15	16QAM	75	0	20.95	20.77	20.66				
15	64QAM	1	0	20.90	20.77	20.88				
15	64QAM	1	37	20.82	20.79	20.75	21.8	0		
15	64QAM	1	74	20.81	20.74	20.78				
15	64QAM	36	0	19.88	20.06	19.83				
15	64QAM	36	20	19.79	19.98	19.84	20.8	1		
15	64QAM	36	39	19.72	19.87	19.69				
15	64QAM	75	0	20.01	20.04	20.02				
Channel				18900	18900	19100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1885	1880	1905				
10	QPSK	1	0	20.86	20.95	20.80	21.8	0		
10	QPSK	1	25	20.78	20.78	20.86				
10	QPSK	1	49	20.79	20.78	20.74				
10	QPSK	25	0	20.79	20.91	20.85	21.8	0		
10	QPSK	25	12	20.85	20.88	20.79				
10	QPSK	25	25	20.81	20.84	20.68				
10	QPSK	50	0	20.82	20.77	20.78	21.8	0		
10	16QAM	1	0	20.95	20.74	20.81				
10	16QAM	1	25	20.78	20.80	20.87				
10	16QAM	1	49	20.86	20.75	20.79	21.8	0		
10	16QAM	25	0	20.89	20.67	20.69				
10	16QAM	25	12	20.88	20.88	20.79				
10	16QAM	25	25	20.85	20.85	20.70	21.8	0		
10	16QAM	50	0	20.95	20.88	20.76				
10	64QAM	1	0	20.91	20.77	20.78				
10	64QAM	1	25	20.81	20.69	20.80	21.8	0		
10	64QAM	1	49	20.88	20.73	20.80				
10	64QAM	25	0	19.77	19.97	19.91				
10	64QAM	25	12	19.82	19.93	19.76	20.8	1		
10	64QAM	25	25	19.76	19.98	19.70				
10	64QAM	50	0	19.91	20.02	20.02				
Channel				18900	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18925 <th>18900</th> <th>19075</th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th>	18900	19075				
5	QPSK	1	0	20.81	20.93	20.83	21.8	0		
5	QPSK	1	12	20.78	20.80	20.82				
5	QPSK	1	24	20.86	20.83	20.69				
5	QPSK	12	0	20.79	20.92	20.84	21.8	0		
5	QPSK	12	7	20.76	20.79	20.80				
5	QPSK	12	13	20.87	20.83	20.77				
5	QPSK	25	0	20.86	20.80	20.80	21.8	0		
5	16QAM	1	0	20.91	20.66	20.70				
5	16QAM	1	12	20.91	20.76	20.76				
5	16QAM	1	24	20.78	20.72	20.73	21.8	0		
5	16QAM	12	0	20.91	20.75	20.78				
5	16QAM	12	7	20.88	20.78	20.77				
5	16QAM	12	13	20.87	20.86	20.75	21.8	0		
5	16QAM	25	0	20.93	20.89	20.69				
5	64QAM	1	0	20.90	20.78	20.87				
5	64QAM	1	12	20.89	20.79	20.67	21.8	0		
5	64QAM	1	24	20.82	20.73	20.67				
5	64QAM	12	0	19.85	19.86	19.88				
5	64QAM	12	7	19.82	19.98	19.79	20.8	1		
5	64QAM	12	13	19.73	20.01	19.80				
5	64QAM	25	0	20.04	20.00	19.99				
Channel				18900	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18915	1880	19085				
3	QPSK	1	0	20.93	20.88	20.90	21.8	0		
3	QPSK	1	8	20.85	20.79	20.76				
3	QPSK	1	14	20.87	20.79	20.68				
3	QPSK	8	0	20.92	20.84	20.73	21.8	0		
3	QPSK	8	4	20.85	20.84	20.72				
3	QPSK	8	7	20.86	20.85	20.81				
3	QPSK	15	0	20.85	20.76	20.69	21.8	0		
3	16QAM	1	0	20.98	20.73	20.73				
3	16QAM	1	8	20.77	20.78	20.90				
3	16QAM	1	14	20.89	20.67	20.82	21.8	0		
3	16QAM	8	0	20.91	20.72	20.77				
3	16QAM	8	4	20.80	20.76	20.84				
3	16QAM	8	7	20.80	20.75	20.72	21.8	0		
3	16QAM	15	0	20.94	20.69	20.76				
3	64QAM	1	0	20.83	20.83	20.79				
3	64QAM	1	8	20.89	20.76	20.74	21.8	0		
3	64QAM	1	14	20.87	20.68	20.75				
3	64QAM	8	0	19.76	20.02	19.89				

Band 4_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	22.08	22.11	22.02	23	0	
20	QPSK	1	49	22.07	21.98	21.98			
20	QPSK	1	99	22.03	22.06	21.95			
20	QPSK	50	0	22.03	22.07	21.95	23	0	
20	QPSK	50	24	21.99	22.00	21.96			
20	QPSK	50	50	21.95	21.93	21.91			
20	QPSK	100	0	21.95	22.04	21.91	23	0	
20	16QAM	1	0	21.97	21.98	21.93			
20	16QAM	1	49	21.98	21.97	21.87			
20	16QAM	1	99	21.96	22.04	21.92	23	0	
20	16QAM	50	0	21.57	21.77	21.79			
20	16QAM	50	24	21.67	21.81	21.72			
20	16QAM	50	50	21.69	21.76	21.73	23	0	
20	16QAM	100	0	21.64	21.77	21.70			
20	64QAM	1	0	21.97	21.97	21.90			
20	64QAM	1	49	21.68	21.92	21.74	23	0	
20	64QAM	1	99	21.70	21.81	21.74			
20	64QAM	50	0	20.63	20.82	20.68			
20	64QAM	50	24	20.66	20.79	20.59	22	1	
20	64QAM	50	50	20.70	20.84	20.83			
20	64QAM	100	0	20.75	20.82	20.59			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.00	22.07	21.98	23	0	
15	QPSK	1	37	21.98	21.95	21.87			
15	QPSK	1	74	21.90	22.04	21.92			
15	QPSK	36	0	21.95	21.99	21.94	23	0	
15	QPSK	36	20	21.95	21.88	21.94			
15	QPSK	36	39	21.90	21.80	21.79			
15	QPSK	75	0	21.80	21.89	21.85	23	0	
15	16QAM	1	0	21.89	21.89	21.84			
15	16QAM	1	37	21.91	21.94	21.76			
15	16QAM	1	74	21.87	21.98	21.88	23	0	
15	16QAM	36	0	21.48	21.76	21.75			
15	16QAM	36	20	21.62	21.78	21.62			
15	16QAM	36	39	21.61	21.66	21.68	23	0	
15	16QAM	75	0	21.63	21.72	21.67			
15	64QAM	1	0	21.87	21.96	21.76			
15	64QAM	1	37	21.59	21.81	21.60	23	0	
15	64QAM	1	74	21.64	21.87	21.67			
15	64QAM	36	0	20.58	20.77	20.66			
15	64QAM	36	20	20.55	20.76	20.70	22	1	
15	64QAM	36	39	20.63	20.82	20.54			
15	64QAM	75	0	20.72	20.74	20.80			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	22.05	22.00	21.90	23	0	
10	QPSK	1	25	21.99	21.96	21.90			
10	QPSK	1	49	22.02	21.97	21.84			
10	QPSK	25	0	21.94	21.92	21.84	23	0	
10	QPSK	25	12	21.92	21.85	21.91			
10	QPSK	25	25	21.92	21.78	21.77			
10	QPSK	50	0	21.88	21.93	21.80	23	0	
10	16QAM	1	0	21.87	21.84	21.81			
10	16QAM	1	25	21.83	21.95	21.77			
10	16QAM	1	49	21.86	21.95	21.88	23	0	
10	16QAM	25	0	21.53	21.68	21.71			
10	16QAM	25	12	21.65	21.74	21.65			
10	16QAM	25	25	21.55	21.70	21.65	23	0	
10	16QAM	50	0	21.62	21.65	21.68			
10	64QAM	1	0	21.83	21.85	21.81			
10	64QAM	1	25	21.65	21.78	21.66	23	0	
10	64QAM	1	49	21.68	21.77	21.67			
10	64QAM	25	0	20.51	20.76	20.55			
10	64QAM	25	12	20.59	20.67	20.72	22	1	
10	64QAM	25	25	20.62	20.79	20.58			
10	64QAM	50	0	20.63	20.81	20.74			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	22.00	22.07	21.94	23	0	
5	QPSK	1	12	21.95	21.96	21.94			
5	QPSK	1	24	21.92	21.95	21.92			
5	QPSK	12	0	21.90	22.04	21.87	23	0	
5	QPSK	12	7	21.87	21.99	21.92			
5	QPSK	12	13	21.84	21.87	21.85			
5	QPSK	25	0	21.90	22.00	21.85	23	0	
5	16QAM	1	0	21.84	21.93	21.79			
5	16QAM	1	12	21.90	21.88	21.75			
5	16QAM	1	24	21.89	22.02	21.77	23	0	
5	16QAM	12	0	21.52	21.69	21.75			
5	16QAM	12	7	21.52	21.71	21.62			
5	16QAM	12	13	21.66	21.67	21.65	23	0	
5	16QAM	25	0	21.50	21.62	21.64			
5	64QAM	1	0	21.82	21.88	21.82			
5	64QAM	1	12	21.57	21.77	21.73	23	0	
5	64QAM	1	24	21.63	21.66	21.71			
5	64QAM	12	0	20.48	20.77	20.54			
5	64QAM	12	7	20.56	20.69	20.72	22	1	
5	64QAM	12	13	20.68	20.73	20.53			
5	64QAM	25	0	20.71	20.81	20.76			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.00	22.00	21.88	23	0	
3	QPSK	1	8	21.99	21.97	21.88			
3	QPSK	1	14	21.96	22.04	21.86			
3	QPSK	8	0	21.93	21.98	21.82	23	0	
3	QPSK	8	4	21.97	21.98	21.85			
3	QPSK	8	7	21.80	21.91	21.90			
3	QPSK	15	0	21.88	21.89	21.80	23	0	
3	16QAM	1	0	21.88	21.86	21.82			
3	16QAM	1	8	21.83	21.95	21.75			
3	16QAM	1	14	21.86	22.00	21.90	23	0	
3	16QAM	8	0	21.44	21.64	21.70			
3	16QAM	8	4	21.66	21.75	21.63			
3	16QAM	8	7	21.67	21.62	21.68	23	0	
3	16QAM	15	0	21.61	21.73	21.62			
3	64QAM	1	0	21.92	21.86	21.76			
3	64QAM	1	8	21.61	21.79	21.64	23	0	
3	64QAM	1	14	21.61	21.78	21.64			
3	64QAM	8	0	20.49	20.67	20.53			
3	64QAM	8	4	20.54	20.64	20.70	22	1	
3	64QAM	8	7	20.66	20.78	20.53			
3	64QAM	15	0	20.64	20.67	20.78			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	21.93	21.96	21.92	23	0	
1.4	QPSK	1	3	21.98	21.97	21.84			
1.4	QPSK	1	5	21.99	22.05	21.82			
1.4	QPSK	3	0	22.00	22.03	21.85	23	0	
1.4	QPSK	3	1	21.91	21.93	21.84			
1.4	QPSK	3	3	21.91	21.83	21.85			
1.4	QPSK	6	0	21.80	22.00	21.90	23	0	
1.4	16QAM	1	0	21.83	21.83	21.84			
1.4	16QAM	1	3	21.94	21.84	21.77	23	0	
1.4	16QAM	1	5	21.81	21.89	21.88			
1.4	16QAM	3	0	21.54	21.73	21.64			
1.4	16QAM	3	1	21.60	21.76	21.64	23	0	
1.4	16QAM	3	3	21.54	21.71	21.68			
1.4	16QAM	6	0	21.58	21.76	21.64			
1.4	64QAM	1	0	21.94	21.84	21.77	23	0	
1.4	64QAM	1	3	21.57	21.82	21.60			
1.4	64QAM	1	5	21.60	21.76	21.73			
1.4	64QAM	3	0	21.92	21.70	21.62	23	0	
1.4	64QAM	3	1	21.54	21.68	21.45			
1.4	64QAM	3	3	21.54	21.66	21.60			
1.4	64QAM	6	0	20.80	20.81	20.69	22	1	

Band 5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600	836.5	844	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.28	22.40	22.36	23.5	0	0
10	QPSK	1	25	22.14	22.25	22.34			
10	QPSK	1	49	22.18	22.26	22.29			
10	QPSK	25	0	22.23	22.34	22.33	23.5	0	0
10	QPSK	25	12	22.11	22.25	22.21			
10	QPSK	25	25	22.08	22.19	22.23			
10	QPSK	50	0	22.18	22.33	22.24	23	0.5	0
10	16QAM	1	0	22.22	22.32	22.26			
10	16QAM	1	25	22.06	22.10	22.23			
10	16QAM	1	49	22.15	22.13	22.26	22	1.5	0
10	16QAM	25	0	21.78	21.86	21.85			
10	16QAM	25	12	21.71	21.83	21.72			
10	16QAM	25	25	21.74	21.81	21.76	23	0.5	0
10	16QAM	50	0	21.73	21.83	21.77			
10	64QAM	1	0	21.86	21.95	21.92			
10	64QAM	1	25	21.90	21.99	21.91	23	0.5	0
10	64QAM	1	49	21.94	21.98	21.93			
10	64QAM	25	0	20.70	20.84	20.78			
10	64QAM	25	12	20.79	20.81	20.76	22	1.5	0
10	64QAM	25	25	20.66	20.80	20.77			
10	64QAM	50	0	20.82	20.83	20.71			
Channel				20425	20525	20625	826.5	846.5	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.16	22.22	22.31	23.5	0	0
5	QPSK	1	12	22.13	22.11	22.28			
5	QPSK	1	24	22.07	22.11	22.25			
5	QPSK	12	0	22.19	22.25	22.19	23.5	0	0
5	QPSK	12	7	22.02	22.24	22.06			
5	QPSK	12	13	22.04	22.08	22.19			
5	QPSK	25	0	22.03	22.32	22.21	23.5	0	0
5	16QAM	1	0	22.13	22.24	22.19			
5	16QAM	1	12	21.99	22.07	22.16			
5	16QAM	1	24	22.06	22.07	22.19	23	0.5	0
5	16QAM	12	0	21.75	21.80	21.73			
5	16QAM	12	7	21.65	21.82	21.67			
5	16QAM	12	13	21.59	21.72	21.70	23	0.5	0
5	16QAM	25	0	21.62	21.72	21.63			
5	64QAM	1	0	21.71	21.81	21.91			
5	64QAM	1	12	21.80	21.90	21.81	23	0.5	0
5	64QAM	1	24	21.86	21.97	21.81			
5	64QAM	12	0	20.61	20.74	20.75			
5	64QAM	12	7	20.71	20.68	20.69	22	1.5	0
5	64QAM	12	13	20.60	20.71	20.69			
5	64QAM	25	0	20.73	20.82	20.62			
Channel				20415	20525	20635	825.5	847.5	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.16	22.28	22.30	23.5	0	0
3	QPSK	1	8	22.08	22.22	22.20			
3	QPSK	1	14	22.08	22.12	22.29			
3	QPSK	8	0	22.18	22.30	22.26	23.5	0	0
3	QPSK	8	4	22.02	22.23	22.20			
3	QPSK	8	7	22.05	22.06	22.18			
3	QPSK	15	0	22.10	22.23	22.09	23.5	0	0
3	16QAM	1	0	22.14	22.22	22.20			
3	16QAM	1	8	21.91	22.01	22.09			
3	16QAM	1	14	22.00	22.04	22.25	23	0.5	0
3	16QAM	8	0	21.63	21.81	21.72			
3	16QAM	8	4	21.66	21.74	21.70			
3	16QAM	8	7	21.65	21.72	21.74	23	0.5	0
3	16QAM	15	0	21.65	21.69	21.62			
3	64QAM	1	0	21.79	21.85	21.80			
3	64QAM	1	8	21.77	21.88	21.79	23	0.5	0
3	64QAM	1	14	21.86	21.91	21.82			
3	64QAM	8	0	20.61	20.77	20.71			
3	64QAM	8	4	20.75	20.70	20.70	22	1.5	0
3	64QAM	8	7	20.65	20.74	20.72			
3	64QAM	15	0	20.79	20.73	20.63			
Channel				20407	20525	20643	824.7	848.3	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.24	22.31	22.31	23.5	0	0
1.4	QPSK	1	3	21.99	22.21	22.27			
1.4	QPSK	1	5	22.09	22.15	22.36			
1.4	QPSK	3	0	22.21	22.21	22.39	23.5	0	0
1.4	QPSK	3	1	22.09	22.17	22.21			
1.4	QPSK	3	3	22.12	22.20	22.26			
1.4	QPSK	6	0	22.08	22.31	22.21	23.5	0	0
1.4	16QAM	1	0	21.98	22.15	22.15			
1.4	16QAM	1	3	22.05	22.16	22.08			
1.4	16QAM	1	5	22.17	22.32	22.15	23.5	0	0
1.4	16QAM	3	0	22.13	22.20	22.11			
1.4	16QAM	3	1	21.93	22.00	22.09			
1.4	16QAM	3	3	22.03	22.09	22.21	23	0.5	0
1.4	16QAM	6	0	21.67	21.68	21.72			
1.4	64QAM	1	0	21.71	21.80	21.88			
1.4	64QAM	1	3	21.78	21.96	21.76	23	0.5	0
1.4	64QAM	1	5	21.90	21.89	21.78			
1.4	64QAM	3	0	21.60	21.70	21.82			
1.4	64QAM	3	1	21.72	21.84	21.64	22	1.5	0
1.4	64QAM	3	3	21.84	21.74	21.74			
1.4	64QAM	6	0	20.70	20.76	20.56			

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20450	20525	20600	829	836.5	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	22.42	22.44	22.40	22.5	0	0
10	QPSK	1	25	22.31	22.43	22.37			
10	QPSK	1	49	22.30	22.32	22.27			
10	QPSK	25	0	22.31	22.37	22.30	22.5	0	0
10	QPSK	25	12	22.27	22.31	22.29			
10	QPSK	25	25	22.29	22.29	22.26			
10	QPSK	50	0	22.32	22.33	22.29	22.5	0	0
10	16QAM	1	0	22.39	22.41	22.37			
10	16QAM	1	25	22.34	22.37	22.28			
10	16QAM	1	49	22.29	22.30	22.35	22	0.5	0
10	16QAM	25	0	21.75	21.78	21.65			
10	16QAM	25	12	21.67	21.79	21.60			
10	16QAM	25	25	21.60	21.76	21.57	22	0.5	0
10	16QAM	50	0	21.77	21.82	21.68			
10	64QAM	1	0	21.77	21.81	21.81			
10	64QAM	1	25	21.82	21.94	21.82	22	0.5	0
10	64QAM	1	49	21.76	21.84	21.80			
10	64QAM	25	0	20.70	20.78	20.67			
10	64QAM	25	12	20.64	20.68	20.76	21	1.5	0
10	64QAM	25	25	20.55	20.73	20.68			
10	64QAM	50	0	20.62	20.70	20.76			
Channel				20425	20525	20625	826.5	836.5	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	22.34	22.29	22.30	22.5	0	0
5	QPSK	1	12	22.27	22.31	22.22			
5	QPSK	1	24	22.23	22.18	22.15	22.5	0	0
5	QPSK	12	0	22.30	22.28	22.17			
5	QPSK	12	7	22.18	22.18	22.24			
5	QPSK	12	13	22.15	22.25	22.23	22.5	0	0
5	QPSK	25	0	22.18	22.23	22.27			
5	16QAM	1	0	22.29	22.31	22.24			
5	16QAM	1	12	22.21	22.23	22.26	22.5	0	0
5	16QAM	1	24	22.15	22.29	22.26			
5	16QAM	12	0	21.67	21.77	21.52	22	0.5	0
5	16QAM	12	7	21.63	21.68	21.55			
5	16QAM	12	13	21.46	21.66	21.43			
5	16QAM	25	0	21.65	21.79	21.67	22	0.5	0
5	64QAM	1	0	21.66	21.77	21.73			
5	64QAM	1	12	21.80	21.83	21.79			
5	64QAM	1	24	21.68	21.70	21.69	21	1.5	0
5	64QAM	12	0	20.58	20.63	20.63			
5	64QAM	12	7	20.61	20.53	20.72			
5	64QAM	12	13	20.45	20.58	20.67	21	1.5	0
5	64QAM	25	0	20.49	20.64	20.67			
Channel				20415	20525	20635	825.5	836.5	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	22.36	22.41	22.39	22.5	0	0
3	QPSK	1	8	22.21	22.36	22.31			
3	QPSK	1	14	22.15	22.26	22.25	22.5	0	0
3	QPSK	8	0	22.22	22.31	22.21			
3	QPSK	8	4	22.14	22.21	22.24			
3	QPSK	8	7	22.22	22.17	22.20	22.5	0	0
3	QPSK	15	0	22.31	22.19	22.27			
3	16QAM	1	0	22.30	22.32	22.27			
3	16QAM	1	8	22.21	22.31	22.23	22.5	0	0
3	16QAM	1	14	22.18	22.24	22.33			
3	16QAM	8	0	21.65	21.76	21.68	22	0.5	0
3	16QAM	8	7	21.64	21.71	21.58			
3	16QAM	8	7	21.53	21.61	21.46			
3	16QAM	15	0	21.70	21.73	21.65	22	0.5	0
3	64QAM	1	0	21.71	21.70	21.76			
3	64QAM	1	8	21.78	21.89	21.73			
3	64QAM	1	14	21.73	21.72	21.74	21	1.5	0
3	64QAM	8	0	20.56	20.75	20.55			
3	64QAM	8	4	20.51	20.64	20.65			
3	64QAM	8	7	20.44	20.72	20.56	21	1.5	0
3	64QAM	15	0	20.53	20.70	20.65			
Channel				20407	20525	20643	824.7	836.5	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	22.31	22.36	22.33	22.5	0	0
1.4	QPSK	1	3	22.21	22.33	22.28			
1.4	QPSK	1	5	22.22	22.18	22.17			
1.4	QPSK	3	0	22.26	22.36	22.20	22.5	0	0
1.4	QPSK	3	1	22.16	22.25	22.19			
1.4	QPSK	3	3	22.22	22.14	22.13			
1.4	QPSK	6	0	22.17	22.32	22.28	22.5	0	0
1.4	16QAM	1	0	22.30	22.31	22.28			
1.4	16QAM	1	3	22.22	22.22	22.22	22	0.5	0
1.4	16QAM	1	5	22.28	22.25	22.28			
1.4	16QAM	3	0	22.15	22.18	22.15			
1.4	16QAM	3	1	22.06	22.18	22.20	22	0.5	0
1.4	16QAM	3	3	22.21	22.23	22.13			
1.4	16QAM	6	0	21.62	21.71	21.53			
1.4	64QAM	1	0	21.70	21.69	21.74	22	0.5	0
1.4	64QAM	1	3	21.74	21.82	21.81			
1.4	64QAM	1	5	21.64	21.75	21.73			
1.4	64QAM	3	0	21.65	21.69	21.67	21	1.5	0
1.4	64QAM	3	1	21.61	21.77	21.77			
1.4	64QAM	3	3	21.62	21.67	21.65			
1.4	64QAM	6	0	20.49	20.75	20.69	21	1.5	0

Band 7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	23.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.96	22.98	22.97			
20	QPSK	1	49	22.83	22.89	22.87			
20	QPSK	1	99	22.85	22.92	22.89	23.5 <th colspan="2" rowspan="4">0</th>	0	
20	QPSK	50	0	22.92	22.96	22.95			
20	QPSK	50	24	22.84	22.84	22.77			
20	QPSK	50	50	22.87	22.90	22.86			
20	QPSK	100	0	22.92	22.95	22.85	23.5 <th colspan="2" rowspan="4">0</th>	0	
20	16QAM	1	0	22.95	22.87	22.89			
20	16QAM	1	49	22.90	22.84	22.87			
20	16QAM	1	99	22.86	22.84	22.85			
20	16QAM	50	0	22.73	22.90	22.83	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
20	16QAM	50	24	22.85	22.97	22.80			
20	16QAM	50	50	22.82	22.83	22.71			
20	16QAM	100	0	22.77	22.85	22.73			
20	64QAM	1	0	22.31	22.38	22.27	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
20	64QAM	1	49	22.46	22.63	22.57			
20	64QAM	1	99	22.43	22.51	22.30			
20	64QAM	50	0	21.78	21.84	21.86			
20	64QAM	50	24	21.62	21.76	21.84	22 <th colspan="2" rowspan="3">1.5</th>	1.5	
20	64QAM	50	50	21.80	21.82	21.80			
20	64QAM	100	0	21.84	21.84	21.88			
Channel				20925	21100	21315	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.5	0	
15	QPSK	1	0	22.82	22.83	22.87			
15	QPSK	1	37	22.73	22.82	22.79			
15	QPSK	1	74	22.79	22.82	22.85			
15	QPSK	36	0	22.81	22.87	22.93	23.5 <th colspan="2" rowspan="4">0</th>	0	
15	QPSK	36	20	22.75	22.71	22.68			
15	QPSK	36	39	22.79	22.85	22.85			
15	QPSK	75	0	22.80	22.94	22.74			
15	16QAM	1	0	22.85	22.75	22.86	23.5 <th colspan="2" rowspan="4">0</th>	0	
15	16QAM	1	37	22.86	22.76	22.73			
15	16QAM	1	74	22.80	22.82	22.82			
15	16QAM	36	0	22.82	22.86	22.77			
15	16QAM	36	20	22.76	22.82	22.75	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
15	16QAM	36	39	22.76	22.74	22.57			
15	16QAM	75	0	22.69	22.84	22.72			
15	64QAM	1	0	22.29	22.31	22.19			
15	64QAM	1	37	22.20	22.49	22.25	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
15	64QAM	1	74	22.29	22.49	22.25			
15	64QAM	36	0	21.72	21.76	21.83			
15	64QAM	36	20	21.47	21.62	21.81			
15	64QAM	36	39	21.78	21.73	21.72	22 <th colspan="2" rowspan="2">1.5</th>	1.5	
15	64QAM	75	0	21.72	21.73	21.79			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.5	0	
10	QPSK	1	0	22.91	22.89	22.85			
10	QPSK	1	25	22.68	22.87	22.77			
10	QPSK	1	49	22.78	22.87	22.85			
10	QPSK	25	0	22.89	22.93	22.87	23.5 <th colspan="2" rowspan="4">0</th>	0	
10	QPSK	25	12	22.82	22.69	22.76			
10	QPSK	25	25	22.80	22.83	22.81			
10	QPSK	50	0	22.81	22.80	22.75			
10	16QAM	1	0	22.83	22.77	22.80	23.5 <th colspan="2" rowspan="4">0</th>	0	
10	16QAM	1	25	22.85	22.79	22.80			
10	16QAM	1	49	22.73	22.75	22.74			
10	16QAM	25	0	22.78	22.91	22.65			
10	16QAM	25	12	22.76	22.81	22.70	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
10	16QAM	25	25	22.76	22.81	22.72			
10	16QAM	50	0	22.62	22.80	22.58			
10	64QAM	1	0	22.23	22.35	22.15			
10	64QAM	1	25	22.34	22.50	22.53	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
10	64QAM	1	49	22.42	22.42	22.27			
10	64QAM	25	0	21.68	21.71	21.79			
10	64QAM	25	12	21.53	21.65	21.81			
10	64QAM	25	25	21.68	21.70	21.76	22 <th colspan="2" rowspan="2">1.5</th>	1.5	
10	64QAM	50	0	21.73	21.74	21.85			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.5	0	
5	QPSK	1	0	22.95	22.93	22.96			
5	QPSK	1	12	22.69	22.85	22.78			
5	QPSK	1	24	22.83	22.80	22.83			
5	QPSK	12	0	22.82	22.87	22.83	23.5 <th colspan="2" rowspan="4">0</th>	0	
5	QPSK	12	7	22.81	22.76	22.68			
5	QPSK	12	13	22.72	22.79	22.80			
5	QPSK	25	0	22.77	22.85	22.84			
5	16QAM	1	0	22.81	22.74	22.86	23.5 <th colspan="2" rowspan="4">0</th>	0	
5	16QAM	1	12	22.81	22.73	22.81			
5	16QAM	1	24	22.76	22.76	22.72			
5	16QAM	12	0	22.61	22.87	22.71			
5	16QAM	12	7	22.73	22.82	22.72	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
5	16QAM	12	13	22.80	22.77	22.63			
5	16QAM	25	0	22.74	22.73	22.67			
5	64QAM	1	0	22.18	22.28	22.18			
5	64QAM	1	12	22.39	22.48	22.55	23 <th colspan="2" rowspan="4">0.5</th>	0.5	
5	64QAM	1	24	22.32	22.40	22.26			
5	64QAM	12	0	21.75	21.74	21.76			
5	64QAM	12	7	21.58	21.63	21.81			
5	64QAM	12	13	21.79	21.78	21.70	22 <th colspan="2" rowspan="2">1.5</th>	1.5	
5	64QAM	25	0	21.76	21.71	21.87			

Band 7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20850	21100	21350	23	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.36	21.39	21.32			
20	QPSK	1	49	21.31	21.35	21.20			
20	QPSK	1	99	21.12	21.27	21.22	22	1	
20	QPSK	50	0	20.85	20.96	20.87			
20	QPSK	50	24	20.82	20.89	20.83			
20	QPSK	50	50	20.79	20.91	20.76			
20	QPSK	100	0	20.72	20.87	20.84	22	1	
20	16QAM	1	0	20.39	20.48	20.38			
20	16QAM	1	49	20.47	20.61	20.57			
20	16QAM	1	99	20.50	20.51	20.46			
20	16QAM	50	0	19.83	19.84	19.82	21	2	
20	16QAM	50	24	19.81	19.89	19.78			
20	16QAM	50	50	19.85	19.92	19.80			
20	16QAM	100	0	19.83	19.87	19.73			
20	64QAM	1	0	19.24	19.35	19.30	21	2	
20	64QAM	1	49	19.39	19.50	19.48			
20	64QAM	1	99	19.47	19.53	19.39			
20	64QAM	50	0	18.74	18.87	18.76			
20	64QAM	50	24	18.79	18.91	18.88	20	3	
20	64QAM	50	50	18.79	18.92	18.90			
20	64QAM	100	0	18.84	18.88	18.84			
Channel				20825	21100	21375	23	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	21.24	21.29	21.17			
15	QPSK	1	37	21.30	21.32	21.17			
15	QPSK	1	74	21.10	21.13	21.15	22	1	
15	QPSK	36	0	20.78	20.87	20.81			
15	QPSK	36	20	20.78	20.88	20.82			
15	QPSK	36	39	20.76	20.80	20.71			
15	QPSK	75	0	20.65	20.74	20.81	22	1	
15	16QAM	1	0	20.35	20.45	20.30			
15	16QAM	1	37	20.39	20.54	20.51	22	1	
15	16QAM	1	74	20.43	20.48	20.42			
15	16QAM	36	0	19.78	19.79	19.81	21	2	
15	16QAM	36	20	19.66	19.78	19.65			
15	16QAM	36	39	19.71	19.87	19.67			
15	16QAM	36	75	19.73	19.80	19.60			
15	64QAM	1	0	19.18	19.29	19.24	21	2	
15	64QAM	1	37	19.28	19.49	19.38			
15	64QAM	1	74	19.32	19.52	19.28	20	3	
15	64QAM	36	0	18.66	18.73	18.67			
15	64QAM	36	20	18.65	18.79	18.79			
15	64QAM	36	39	18.73	18.91	18.76			
15	64QAM	75	0	18.77	18.85	18.71			
Channel				20800	21100	21400	23	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	21.32	21.33	21.21			
10	QPSK	1	25	21.28	21.33	21.07			
10	QPSK	1	49	21.02	21.22	21.09	22	1	
10	QPSK	25	0	20.73	20.91	20.72			
10	QPSK	25	12	20.72	20.88	20.69			
10	QPSK	25	25	20.67	20.76	20.71			
10	QPSK	50	0	20.59	20.84	20.69	22	1	
10	16QAM	1	0	20.38	20.39	20.32			
10	16QAM	1	25	20.42	20.48	20.54	21	2	
10	16QAM	1	49	20.39	20.47	20.43			
10	16QAM	25	0	19.79	19.86	19.87			
10	16QAM	25	12	19.78	19.86	19.78			
10	16QAM	25	25	19.84	19.80	19.70	20	3	
10	16QAM	50	0	19.74	19.81	19.72			
10	64QAM	1	0	19.12	19.26	19.24			
10	64QAM	1	25	19.26	19.39	19.31			
10	64QAM	1	49	19.45	19.40	19.29	20	3	
10	64QAM	25	0	18.70	18.76	18.64			
10	64QAM	25	12	18.67	18.77	18.79			
10	64QAM	25	25	18.69	18.86	18.86			
10	64QAM	50	0	18.78	18.79	18.83			
Channel				20775	21100	21425	23	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.27	21.27	21.22			
5	QPSK	1	12	21.20	21.31	21.12			
5	QPSK	1	24	21.06	21.19	21.19	22	1	
5	QPSK	12	0	20.77	20.93	20.80			
5	QPSK	12	7	20.81	20.87	20.78			
5	QPSK	12	13	20.65	20.83	20.70			
5	QPSK	25	0	20.64	20.75	20.83	22	1	
5	16QAM	1	0	20.32	20.41	20.36			
5	16QAM	1	12	20.45	20.57	20.45			
5	16QAM	1	24	20.38	20.58	20.45			
5	16QAM	12	0	19.68	19.71	19.78	21	2	
5	16QAM	12	7	19.71	19.82	19.67			
5	16QAM	12	13	19.70	19.86	19.67			
5	16QAM	25	0	19.79	19.78	19.65			
5	64QAM	1	0	19.19	19.31	19.26	20	3	
5	64QAM	1	12	19.31	19.37	19.41			
5	64QAM	1	24	19.44	19.85	19.24			
5	64QAM	12	0	18.67	18.76	18.64			
5	64QAM	12	7	18.65	18.76	18.53	20	3	
5	64QAM	12	13	18.74	18.84	18.75			
5	64QAM	25	0	18.74	18.82	18.69			

Band 12_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130	24	0		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.01	23.19	23.05				
10	QPSK	1	25	22.95	22.97	22.96				
10	QPSK	1	49	22.99	23.06	23.07	23	1		
10	QPSK	25	0	22.15	22.26	22.15				
10	QPSK	25	12	22.14	22.19	22.06				
10	QPSK	25	25	22.13	22.23	22.13				
10	QPSK	50	0	22.18	22.23	22.10	22	2		
10	16QAM	1	0	22.29	22.39	22.27				
10	16QAM	1	25	22.34	22.48	22.35				
10	16QAM	1	49	22.42	22.53	22.46				
10	16QAM	25	0	21.15	21.19	21.15	21	3		
10	16QAM	25	12	21.14	21.16	21.14				
10	16QAM	25	25	21.18	21.21	21.15				
10	16QAM	50	0	21.11	21.23	21.11				
10	64QAM	1	0	21.14	21.29	21.16	22	2		
10	64QAM	1	25	21.20	21.30	21.25				
10	64QAM	1	49	21.36	21.39	21.30				
10	64QAM	25	0	20.08	20.18	20.07				
10	64QAM	25	12	20.07	20.16	20.11	21			
10	64QAM	25	25	20.13	20.21	20.06				
10	64QAM	50	0	20.10	20.21	20.14				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				701.5	707.5	713.5	24 <th colspan="2" rowspan="4">0</th>	0		
5	QPSK	1	0	22.98	23.16	23.03				
5	QPSK	1	12	22.89	22.82	22.84				
5	QPSK	1	24	22.91	23.05	22.93				
5	QPSK	12	0	22.03	22.24	22.03	23	1		
5	QPSK	12	7	22.09	22.16	21.92				
5	QPSK	12	13	22.07	22.13	22.12				
5	QPSK	25	0	22.09	22.10	22.06				
5	16QAM	1	0	22.27	22.38	22.12	23	1		
5	16QAM	1	12	22.23	22.39	22.30				
5	16QAM	1	24	22.32	22.50	22.31				
5	16QAM	12	0	21.12	21.14	21.03				
5	16QAM	12	7	21.08	21.10	21.13	22	2		
5	16QAM	12	13	21.10	21.12	21.10				
5	16QAM	25	0	21.07	21.17	21.07				
5	64QAM	1	0	21.06	21.20	21.09				
5	64QAM	1	12	21.16	21.17	21.13	22	2		
5	64QAM	1	24	21.31	21.26	21.19				
5	64QAM	12	0	20.01	20.17	20.04				
5	64QAM	12	7	20.06	20.14	20.02				
5	64QAM	12	13	20.08	20.18	20.04	21	3		
5	64QAM	25	0	20.00	20.06	20.01				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				700.5	707.5	714.5	24 <th colspan="2" rowspan="4">0</th>	0		
3	QPSK	1	0	22.91	23.07	23.05				
3	QPSK	1	8	22.93	22.87	22.84				
3	QPSK	1	14	22.97	22.95	22.93				
3	QPSK	8	0	22.11	22.18	22.03	23	1		
3	QPSK	8	4	22.04	22.05	22.05				
3	QPSK	8	7	22.11	22.14	22.07				
3	QPSK	15	0	22.11	22.13	21.99				
3	16QAM	1	0	22.17	22.32	22.20	23	1		
3	16QAM	1	8	22.32	22.44	22.21				
3	16QAM	1	14	22.30	22.44	22.32				
3	16QAM	8	0	21.05	21.11	21.04				
3	16QAM	8	4	21.09	21.06	21.13	22	2		
3	16QAM	8	7	21.08	21.15	21.13				
3	16QAM	15	0	21.04	21.14	21.02				
3	64QAM	1	0	21.11	21.18	21.15				
3	64QAM	1	8	21.06	21.27	21.11	22	2		
3	64QAM	1	14	21.25	21.31	21.16				
3	64QAM	8	0	19.96	20.16	20.02				
3	64QAM	8	4	19.95	20.15	19.98				
3	64QAM	8	7	19.98	20.12	20.00	21	3		
3	64QAM	15	0	20.05	20.18	20.09				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				699.7	707.5	715.3	24 <th colspan="2" rowspan="4">0</th>	0		
1.4	QPSK	1	0	22.98	23.11	23.07				
1.4	QPSK	1	3	22.90	22.83	22.89				
1.4	QPSK	1	5	22.88	22.95	23.04				
1.4	QPSK	3	0	22.91	23.13	22.97	23	1		
1.4	QPSK	3	1	22.90	22.89	22.82				
1.4	QPSK	3	3	22.92	22.95	22.97				
1.4	QPSK	6	0	22.09	22.20	21.96				
1.4	16QAM	1	0	22.20	22.26	22.13	23	1		
1.4	16QAM	1	3	22.26	22.45	22.27				
1.4	16QAM	1	5	22.36	22.41	22.32				
1.4	16QAM	3	0	22.16	22.17	22.08				
1.4	16QAM	3	1	22.11	22.42	22.17	22	2		
1.4	16QAM	3	3	22.33	22.28	22.27				
1.4	16QAM	6	0	21.04	21.18	21.02				
1.4	64QAM	1	0	21.09	21.20	21.14				
1.4	64QAM	1	3	21.05	21.28	21.17	22	2		
1.4	64QAM	1	5	21.35	21.28	21.22				
1.4	64QAM	3	1	21.04	21.24	21.06				
1.4	64QAM	3	3	21.34	21.15	21.09				
1.4	64QAM	6	0	19.96	20.12	20.13	21	3		

Band 13_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23230			23.8	0		
Frequency (MHz)				782						
10	QPSK	1	0	22.66						
10	QPSK	1	25	22.65						
10	QPSK	1	49	22.64			22.8	1		
10	QPSK	25	0	21.65						
10	QPSK	25	12	21.64						
10	QPSK	25	25	21.64						
10	QPSK	50	0	21.64			22.8	1		
10	16QAM	1	0	21.95						
10	16QAM	1	25	21.95						
10	16QAM	1	49	21.92						
10	16QAM	25	0	20.62			21.8	2		
10	16QAM	25	12	20.63						
10	16QAM	25	25	20.63						
10	16QAM	50	0	20.63						
10	64QAM	1	0	20.88			21.8	2		
10	64QAM	1	25	20.82						
10	64QAM	1	49	20.79						
10	64QAM	25	0	19.62						
10	64QAM	25	12	19.62			20.8	3		
10	64QAM	25	25	19.67						
10	64QAM	50	0	19.61						
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				779.5	782	784.5	23.8	0		
5	QPSK	1	0	22.54	22.65	22.52	23.8	0		
5	QPSK	1	12	22.55	22.54	22.63				
5	QPSK	1	24	22.53	22.61	22.53				
5	QPSK	12	0	21.62	21.57	21.51				
5	QPSK	12	7	21.51	21.52	21.54	22.8	1		
5	QPSK	12	13	21.56	21.57	21.61				
5	QPSK	25	0	21.50	21.61	21.50				
5	16QAM	1	0	21.93	21.85	21.92				
5	16QAM	1	12	21.84	21.82	21.82	22.8	1		
5	16QAM	1	24	21.87	21.92	21.77				
5	16QAM	12	0	20.56	20.51	20.54				
5	16QAM	12	7	20.61	20.54	20.48				
5	16QAM	12	13	20.62	20.57	20.61	21.8	2		
5	16QAM	25	0	20.54	20.54	20.54				
5	64QAM	1	0	20.77	20.77	20.85				
5	64QAM	1	12	20.68	20.67	20.75				
5	64QAM	1	24	20.68	20.65	20.65	21.8	2		
5	64QAM	12	0	19.61	19.56	19.49				
5	64QAM	12	7	19.61	19.63	19.50				
5	64QAM	12	13	19.63	19.54	19.61				
5	64QAM	25	0	19.57	19.51	19.53	20.8	3		

Band 17_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800	24	0		
Frequency (MHz)				709	710	711				
10	QPSK	1	0	22.90	22.98	22.95	24	0		
10	QPSK	1	25	22.86	22.85	22.81				
10	QPSK	1	49	22.88	22.89	22.85				
10	QPSK	25	0	22.86	22.91	22.87				
10	QPSK	25	12	22.83	22.83	22.84				
10	QPSK	25	25	22.85	22.89	22.86	24	0		
10	QPSK	50	0	22.78	22.87	22.82				
10	16QAM	1	0	22.84	22.96	22.88				
10	16QAM	1	25	22.84	22.93	22.85				
10	16QAM	1	49	22.83	22.96	22.90				
10	16QAM	25	0	21.80	21.95	21.87	23	1		
10	16QAM	25	12	21.76	21.80	21.73				
10	16QAM	25	25	21.76	21.96	21.79				
10	16QAM	50	0	21.77	21.92	21.75				
10	64QAM	1	0	21.97	22.05	21.97				
10	64QAM	1	25	21.96	22.00	22.03	23	1		
10	64QAM	1	49	21.97	22.10	21.96				
10	64QAM	25	0	20.80	20.91	20.73				
10	64QAM	25	12	20.72	20.89	20.76				
10	64QAM	25	25	20.77	20.91	20.91				
10	64QAM	50	0	20.76	20.93	20.85	22	2		
Channel				23765	23790	23825				
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.75	22.88	22.87	24	0		
5	QPSK	1	12	22.81	22.80	22.76				
5	QPSK	1	24	22.73	22.75	22.79				
5	QPSK	12	0	22.78	22.80	22.81				
5	QPSK	12	7	22.79	22.81	22.75				
5	QPSK	12	13	22.72	22.77	22.80	24	0		
5	QPSK	25	0	22.68	22.81	22.67				
5	16QAM	1	0	22.69	22.92	22.81				
5	16QAM	1	12	22.72	22.86	22.74				
5	16QAM	1	24	22.74	22.82	22.81				
5	16QAM	12	0	21.65	21.81	21.77	23	1		
5	16QAM	12	7	21.64	21.73	21.63				
5	16QAM	12	13	21.68	21.86	21.65				
5	16QAM	25	0	21.71	21.86	21.72				
5	64QAM	1	0	21.89	21.92	21.96				
5	64QAM	1	12	21.90	21.88	21.88	23	1		
5	64QAM	1	24	21.84	22.02	21.85				
5	64QAM	12	0	20.73	20.76	20.64				
5	64QAM	12	7	20.67	20.74	20.67				
5	64QAM	12	13	20.75	20.76	20.76				
5	64QAM	25	0	20.74	20.86	20.77	22	2		
Channel				23765	23790	23825				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.03	23.07	22.99	24		0	
10	QPSK	1	25	22.85	22.87	22.83				
10	QPSK	1	49	22.85	23.06	22.93				
10	QPSK	25	0	22.21	22.27	22.17				
10	QPSK	25	12	22.00	22.17	22.00				
10	QPSK	25	25	22.07	22.24	22.15	23		1	
10	QPSK	50	0	22.19	22.23	22.17				
10	16QAM	1	0	22.47	22.51	22.47				
10	16QAM	1	25	22.40	22.49	22.38				
10	16QAM	1	49	22.35	22.47	22.32				
10	16QAM	25	0	21.05	21.19	21.12	22		2	
10	16QAM	25	12	21.02	21.16	21.14				
10	16QAM	25	25	21.11	21.24	21.18				
10	16QAM	50	0	21.09	21.19	21.13				
10	64QAM	1	0	21.34	21.38	21.36				
10	64QAM	1	25	21.29	21.34	21.29	22		2	
10	64QAM	1	49	21.33	21.37	21.31				
10	64QAM	25	0	20.14	20.20	20.08				
10	64QAM	25	12	20.08	20.15	20.06				
10	64QAM	25	25	20.15	20.23	20.15				
10	64QAM	50	0	20.11	20.22	20.17	21		3	
Channel				23765	23790	23825				
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.90	23.03	22.84	24		0	
5	QPSK	1	12	22.71	22.76	22.79				
5	QPSK	1	24	22.79	22.95	22.88				
5	QPSK	12	0	22.18	22.13	22.11				
5	QPSK	12	7	21.95	22.14	21.92				
5	QPSK	12	13	22.04	22.10	22.13	23		1	
5	QPSK	25	0	22.16	22.15	22.11				
5	16QAM	1	0	22.38	22.36	22.44				
5	16QAM	1	12	22.34	22.47	22.32				
5	16QAM	1	24	22.24	22.34	22.24				
5	16QAM	12	0	21.03	21.04	21.07	23		1	
5	16QAM	12	7	20.88	21.10	21.05				
5	16QAM	12	13	21.02	21.19	21.13				
5	16QAM	25	0	20.97	21.16	21.07				
5	64QAM	1	0	21.20	21.35	21.23				
5	64QAM	1	12	21.25	21.26	21.28	22		2	
5	64QAM	1	24	21.29	21.36	21.28				
5	64QAM	12	0	20.13	20.09	20.07				
5	64QAM	12	7	20.05	20.06	19.96				
5	64QAM	12	13	20.08	20.21	20.05				
5	64QAM	25	0	20.08	20.12	20.03	21		3	
Channel				23765	23790	23825				

Band 26_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				26765	26865	26965	24	0				
Frequency (MHz)				821.5	831.5	841.5						
15	QPSK	1	0	22.95	22.99	22.92	24	0				
15	QPSK	1	37	22.91	22.90	22.80						
15	QPSK	1	74	22.80	22.86	22.89						
15	QPSK	36	0	22.92	22.96	22.80						
15	QPSK	36	20	22.74	22.79	22.67						
15	QPSK	36	39	22.79	22.87	22.76	24	0				
15	QPSK	75	0	22.88	22.89	22.89						
15	16QAM	1	0	22.65	22.73	22.61						
15	16QAM	1	37	22.75	22.81	22.61						
15	16QAM	1	74	22.82	22.75	22.68						
15	16QAM	36	0	21.84	21.88	21.74	23	1				
15	16QAM	36	20	21.78	21.95	21.93						
15	16QAM	36	39	21.77	21.87	21.79						
15	16QAM	75	0	21.91	21.99	21.87						
15	64QAM	1	0	21.96	22.07	21.93						
15	64QAM	1	37	22.09	22.17	22.14	23	1				
15	64QAM	1	74	21.88	21.99	21.98						
15	64QAM	36	0	20.76	20.88	20.83						
15	64QAM	36	20	20.96	20.95	20.82						
15	64QAM	36	39	20.83	20.90	20.87	22	2				
15	64QAM	75	0	20.87	20.94	20.92						
Channel				26740	26865	26990	24	0				
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	22.90	22.94	22.81	24	0				
10	QPSK	1	25	22.77	22.75	22.65						
10	QPSK	1	49	22.75	22.73	22.76						
10	QPSK	25	0	22.80	22.91	22.65						
10	QPSK	25	25	22.65	22.78	22.65						
10	QPSK	25	25	22.65	22.79	22.73	24	0				
10	QPSK	50	0	22.78	22.86	22.62						
10	16QAM	1	0	22.57	22.63	22.59						
10	16QAM	1	25	22.73	22.67	22.53						
10	16QAM	1	49	22.79	22.81	22.65						
10	16QAM	25	0	21.72	21.79	21.67	23	1				
10	16QAM	25	12	21.63	21.90	21.90						
10	16QAM	25	25	21.76	21.78	21.73						
10	16QAM	50	0	21.81	21.89	21.79						
10	64QAM	1	0	21.95	22.06	21.86						
10	64QAM	1	25	21.96	22.12	22.02	23	1				
10	64QAM	1	49	21.78	21.88	21.95						
10	64QAM	25	0	20.71	20.82	20.72						
10	64QAM	25	12	20.82	20.90	20.77	22	2				
10	64QAM	25	25	20.75	20.87	20.78						
10	64QAM	50	0	20.83	20.90	20.79						
Channel				26715	26865	27015				24	0	
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	22.89	22.86	22.85	24	0				
5	QPSK	1	12	22.78	22.75	22.78						
5	QPSK	1	24	22.76	22.77	22.75						
5	QPSK	12	0	22.84	22.88	22.76						
5	QPSK	12	7	22.60	22.72	22.64						
5	QPSK	12	13	22.70	22.83	22.72	24	0				
5	QPSK	25	0	22.76	22.88	22.61						
5	16QAM	1	0	22.50	22.72	22.51						
5	16QAM	1	12	22.74	22.72	22.54						
5	16QAM	1	24	22.76	22.67	22.65						
5	16QAM	12	0	21.81	21.79	21.64	23	1				
5	16QAM	12	7	21.67	21.93	21.80						
5	16QAM	12	13	21.63	21.79	21.69						
5	16QAM	25	0	21.84	21.86	21.72						
5	64QAM	1	0	21.92	22.05	21.78						
5	64QAM	1	12	21.95	22.14	22.10	23	1				
5	64QAM	1	24	21.84	21.86	21.95						
5	64QAM	12	0	20.75	20.77	20.76	22	2				
5	64QAM	12	7	20.94	20.92	20.72						
5	64QAM	12	13	20.71	20.84	20.83						
5	64QAM	25	0	20.74	20.90	20.86						
Channel				26705	26865	27025				24	0	
Frequency (MHz)				815.5	831.5	847.5						
3	QPSK	1	0	22.83	22.91	22.78	24	0				
3	QPSK	1	8	22.88	22.83	22.72						
3	QPSK	1	14	22.75	22.72	22.76						
3	QPSK	8	0	22.79	22.92	22.72						
3	QPSK	8	4	22.70	22.66	22.61						
3	QPSK	8	7	22.76	22.73	22.68	24	0				
3	QPSK	15	0	22.76	22.85	22.66						
3	16QAM	1	0	22.52	22.59	22.59						
3	16QAM	1	8	22.70	22.66	22.55						
3	16QAM	1	14	22.74	22.70	22.53						
3	16QAM	8	0	21.73	21.86	21.73	23	1				
3	16QAM	8	4	21.67	21.93	21.79						
3	16QAM	8	7	21.64	21.73	21.75						
3	16QAM	15	0	21.78	21.71	21.78						
3	64QAM	1	0	21.89	21.99	21.86						
3	64QAM	1	8	21.97	22.13	22.03	23	1				
3	64QAM	1	14	21.74	21.96	21.92						
3	64QAM	8	0	20.62	20.79	20.82	22	2				
3	64QAM	8	4	20.91	20.81	20.70						
3	64QAM	8	7	20.69	20.79	20.77						
3	64QAM	15	0	20.84	20.88	20.89						
Channel				26697	26865	27033				24	0	
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	22.80	22.92	22.78	24	0				
1.4	QPSK	1	3	22.90	22.82	22.72						
1.4	QPSK	1	5	22.71	22.84	22.72						
1.4	QPSK	3	0	22.78	22.82	22.68						
1.4	QPSK	3	1	22.61	22.65	22.58						
1.4	QPSK	3	3	22.71	22.72	22.73	24	0				
1.4	QPSK	6	0	22.78	22.76	22.60						
1.4	16QAM	1	0	22.63	22.67	22.57						
1.4	16QAM	1	3	22.69	22.73	22.47						
1.4	16QAM	1	5	22.69	22.72	22.65						
1.4	16QAM	3	0	22.59	22.60	22.51	23	1				
1.4	16QAM	3	1	22.68	22.60	22.46						
1.4	16QAM	3	3	22.56	22.65	22.59						
1.4	16QAM	6	0	21.84	21.84	21.77						
1.4	64QAM	1	0	21.90	21.97	21.92						
1.4	64QAM	1	3	21.98	22.03	21.99	23	1				
1.4	64QAM	1	5	21.75	21.97	21.95						
1.4	64QAM	3	0	21.84	21.91	21.90						
1.4	64QAM	3	1	21.92	21.88	21.91						
1.4	64QAM	3	3	21.62	21.90	21.87						
1.4	64QAM	6	0	20.72	20.90	20.87	22	2				

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.76	22.85	22.82	24	0	
15	QPSK	1	37	22.64	22.79	22.72			
15	QPSK	1	74	22.57	22.70	22.55			
15	QPSK	36	0	21.67	21.77	21.65	23	1	
15	QPSK	36	20	21.64	21.67	21.56			
15	QPSK	36	39	21.64	21.70	21.65			
15	QPSK	75	0	21.64	21.75	21.73	23	1	
15	16QAM	1	0	21.94	22.02	22.01			
15	16QAM	1	37	21.92	22.04	21.95			
15	16QAM	1	74	21.90	21.95	21.86	22	2	
15	16QAM	36	0	20.68	20.80	20.70			
15	16QAM	36	20	20.72	20.81	20.68			
15	16QAM	36	39	20.79	20.81	20.78	22	2	
15	16QAM	75	0	20.75	20.83	20.82			
15	64QAM	1	0	20.87	20.92	20.80			
15	64QAM	1	37	20.85	20.95	20.83	22	2	
15	64QAM	1	74	20.81	20.90	20.83			
15	64QAM	36	0	19.67	19.82	19.69			
15	64QAM	36	20	19.79	19.82	19.81	21	3	
15	64QAM	36	39	19.78	19.82	19.79			
15	64QAM	75	0	19.69	19.82	19.77			
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	22.65	22.74	22.81	24	0	
10	QPSK	1	25	22.52	22.68	22.70			
10	QPSK	1	49	22.56	22.66	22.40			
10	QPSK	25	0	21.62	21.72	21.53	23	1	
10	QPSK	25	12	21.60	21.64	21.53			
10	QPSK	25	25	21.59	21.66	21.62			
10	QPSK	50	0	21.51	21.72	21.71	23	1	
10	16QAM	1	0	21.84	22.01	21.92			
10	16QAM	1	25	21.77	21.89	21.85			
10	16QAM	1	49	21.82	21.89	21.71	22	2	
10	16QAM	25	0	20.54	20.66	20.62			
10	16QAM	25	12	20.58	20.74	20.60			
10	16QAM	25	25	20.78	20.80	20.75	22	2	
10	16QAM	50	0	20.67	20.72	20.71			
10	64QAM	1	0	20.75	20.88	20.71			
10	64QAM	1	25	20.73	20.82	20.77	22	2	
10	64QAM	1	49	20.77	20.88	20.69			
10	64QAM	25	0	19.65	19.73	19.59			
10	64QAM	25	12	19.69	19.70	19.77	21	3	
10	64QAM	25	25	19.70	19.81	19.71			
10	64QAM	50	0	19.54	19.79	19.68			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.71	22.84	22.76	24	0	
5	QPSK	1	12	22.60	22.64	22.61			
5	QPSK	1	24	22.46	22.67	22.43			
5	QPSK	12	0	21.58	21.69	21.61	23	1	
5	QPSK	12	7	21.60	21.59	21.52			
5	QPSK	12	13	21.50	21.64	21.55			
5	QPSK	25	0	21.61	21.63	21.61	23	1	
5	16QAM	1	0	21.82	22.00	21.87			
5	16QAM	1	12	21.82	21.96	21.94			
5	16QAM	1	24	21.76	21.84	21.82	22	2	
5	16QAM	12	0	20.63	20.66	20.55			
5	16QAM	12	7	20.68	20.72	20.58			
5	16QAM	12	13	20.75	20.69	20.71	22	2	
5	16QAM	25	0	20.74	20.77	20.75			
5	64QAM	1	0	20.79	20.80	20.77			
5	64QAM	1	12	20.77	20.80	20.70	22	2	
5	64QAM	1	24	20.67	20.88	20.75			
5	64QAM	12	0	19.66	19.81	19.63			
5	64QAM	12	7	19.70	19.81	19.73	21	3	
5	64QAM	12	13	19.72	19.71	19.71			
5	64QAM	25	0	19.62	19.69	19.73			
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.75	22.79	22.76	24	0	
3	QPSK	1	8	22.55	22.70	22.65			
3	QPSK	1	14	22.50	22.68	22.54			
3	QPSK	8	0	21.61	21.66	21.51	23	1	
3	QPSK	8	4	21.52	21.53	21.43			
3	QPSK	8	7	21.51	21.65	21.56			
3	QPSK	15	0	21.62	21.66	21.66	23	1	
3	16QAM	1	0	21.83	21.98	21.92			
3	16QAM	1	8	21.78	21.92	21.81			
3	16QAM	1	14	21.82	21.80	21.71	23	1	
3	16QAM	8	0	20.61	20.75	20.69			
3	16QAM	8	4	20.59	20.80	20.54			
3	16QAM	8	7	20.72	20.66	20.69	22	2	
3	16QAM	15	0	20.61	20.72	20.67			
3	64QAM	1	0	20.77	20.77	20.74			
3	64QAM	1	8	20.78	20.87	20.80	22	2	
3	64QAM	1	14	20.76	20.78	20.68			
3	64QAM	8	0	19.58	19.74	19.66			
3	64QAM	8	4	19.65	19.73	19.74	21	3	
3	64QAM	8	7	19.72	19.70	19.69			
3	64QAM	15	0	19.62	19.67	19.70			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.61	22.73	22.74	24	0	
1.4	QPSK	1	3	22.54	22.72	22.68			
1.4	QPSK	1	5	22.43	22.55	22.47			
1.4	QPSK	3	0	22.53	22.71	22.67	23	1	
1.4	QPSK	3	1	22.42	22.57	22.55			
1.4	QPSK	3	3	22.30	22.50	22.46			
1.4	QPSK	6	0	21.59	21.62	21.61	23	1	
1.4	16QAM	1	0	21.84	21.97	21.87			
1.4	16QAM	1	3	21.85	22.01	21.81			
1.4	16QAM	1	5	21.87	21.90	21.80	23	1	
1.4	16QAM	3	0	21.82	21.94	21.85			
1.4	16QAM	3	1	21.75	21.88	21.67			
1.4	16QAM	3	3	21.76	21.82	21.77	22	2	
1.4	16QAM	6	0	20.73	20.72	20.75			
1.4	64QAM	1	0	20.82	20.86	20.67			
1.4	64QAM	1	3	20.72	20.84	20.74	22	2	
1.4	64QAM	1	5	20.73	20.77	20.73			
1.4	64QAM	3	0	20.70	20.73	20.63			
1.4	64QAM	3	1	20.66	20.76	20.64	22	2	
1.4	64QAM	3	3	20.72	20.68	20.64			
1.4	64QAM	6	0	19.66	19.74	19.75			

Band 66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.12	22.14	22.05	23	0	
20	QPSK	1	49	22.10	22.06	21.96			
20	QPSK	1	99	22.01	22.12	21.91			
20	QPSK	50	0	22.07	22.11	22.00	23	0	
20	QPSK	50	24	22.01	22.03	21.91			
20	QPSK	50	50	22.04	22.01	21.93			
20	QPSK	100	0	22.00	22.02	21.94	23	0	
20	16QAM	1	0	22.07	22.12	21.91			
20	16QAM	1	49	22.00	22.11	22.01			
20	16QAM	1	99	22.05	22.11	22.04	23	0	
20	16QAM	50	0	22.07	22.03	21.96			
20	16QAM	50	24	22.06	22.03	21.96			
20	16QAM	50	50	22.04	22.04	21.93	23	0	
20	16QAM	100	0	22.02	22.09	22.02			
20	64QAM	1	0	22.02	22.00	21.93			
20	64QAM	1	49	22.01	22.12	21.94	23	0	
20	64QAM	1	99	22.11	22.09	22.00			
20	64QAM	50	0	21.31	21.43	21.25			
20	64QAM	50	24	21.22	21.33	21.33	22		
20	64QAM	50	50	21.17	21.20	21.16			
20	64QAM	100	0	21.23	21.32	21.18			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.10	22.10	21.92	23	0	
15	QPSK	1	37	22.00	21.91	21.94			
15	QPSK	1	74	22.00	21.99	21.82			
15	QPSK	36	0	21.61	21.81	21.97	23	0	
15	QPSK	36	20	21.89	21.98	21.89			
15	QPSK	36	39	21.97	21.88	21.85			
15	QPSK	75	0	21.92	21.96	21.81	23	0	
15	16QAM	1	0	21.94	21.99	21.80			
15	16QAM	1	37	21.96	22.05	21.97			
15	16QAM	1	74	21.94	22.02	21.96	23	0	
15	16QAM	36	0	21.93	21.90	21.94			
15	16QAM	36	20	22.03	21.93	21.95			
15	16QAM	36	39	22.03	21.93	21.95	23	0	
15	16QAM	75	0	22.00	21.98	21.95			
15	64QAM	1	0	21.89	21.98	21.88			
15	64QAM	1	37	21.88	22.11	21.83	23	0	
15	64QAM	1	74	22.05	22.08	21.88			
15	64QAM	36	0	21.21	21.29	21.18			
15	64QAM	36	20	21.20	21.28	21.23	22	1	
15	64QAM	36	39	21.19	21.18	21.06			
15	64QAM	75	0	21.09	21.23	21.09			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.11	22.03	21.93	23	0	
10	QPSK	1	25	22.09	22.04	21.82			
10	QPSK	1	49	21.94	22.11	21.90			
10	QPSK	25	0	22.03	21.97	21.88	23	0	
10	QPSK	25	12	21.92	21.95	21.77			
10	QPSK	25	25	21.94	21.93	21.89			
10	QPSK	50	0	21.94	21.98	21.80	23	0	
10	16QAM	1	0	21.96	22.00	21.81			
10	16QAM	1	25	21.94	22.05	21.83			
10	16QAM	1	49	21.93	21.96	21.96	23	0	
10	16QAM	25	0	21.94	21.97	21.84			
10	16QAM	25	12	22.06	22.02	21.86			
10	16QAM	25	25	21.95	22.02	21.83	23	0	
10	16QAM	50	0	21.89	21.94	21.95			
10	64QAM	1	0	22.01	21.88	21.91			
10	64QAM	1	25	22.01	21.96	21.83	23	0	
10	64QAM	1	49	22.04	22.02	21.90			
10	64QAM	25	0	21.28	21.41	21.22			
10	64QAM	25	12	21.14	21.23	21.29	22	1	
10	64QAM	25	25	21.08	21.07	21.01			
10	64QAM	50	0	21.21	21.21	21.03			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.00	22.04	21.98	23	0	
5	QPSK	1	12	21.96	21.95	21.84			
5	QPSK	1	24	21.89	22.09	21.89			
5	QPSK	12	0	21.94	22.02	21.90	23	0	
5	QPSK	12	7	22.00	21.94	21.80			
5	QPSK	12	13	22.01	21.98	21.82			
5	QPSK	25	0	21.95	21.93	21.81	23	0	
5	16QAM	1	0	21.98	22.06	21.78			
5	16QAM	1	12	21.92	22.03	21.86			
5	16QAM	1	24	21.91	22.00	22.00	23	0	
5	16QAM	12	0	22.05	21.99	21.95			
5	16QAM	12	7	21.95	21.94	21.91			
5	16QAM	12	13	21.95	21.94	21.91	23	0	
5	16QAM	25	0	21.93	22.07	21.89			
5	64QAM	1	0	21.88	21.86	21.81			
5	64QAM	1	12	21.95	22.06	21.87	23	0	
5	64QAM	1	24	22.06	21.94	21.85			
5	64QAM	12	0	21.30	21.28	21.17			
5	64QAM	12	7	21.11	21.26	21.25	22	1	
5	64QAM	12	13	21.10	21.10	21.11			
5	64QAM	25	0	21.10	21.17	21.07			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	21.95	22.13	21.95	23	0	
3	QPSK	1	8	22.03	21.92	21.83			
3	QPSK	1	14	21.95	22.05	21.78			
3	QPSK	8	0	22.02	22.05	21.94	23	0	
3	QPSK	8	4	21.96	21.96	21.89			
3	QPSK	8	7	22.02	21.90	21.79			
3	QPSK	15	0	21.96	22.01	21.95	23	0	
3	16QAM	1	0	22.02	22.06	21.87			
3	16QAM	1	8	21.86	21.98	21.97			
3	16QAM	1	14	21.97	22.02	21.96	23	0	
3	16QAM	8	0	22.02	21.95	21.90			
3	16QAM	8	4	22.06	22.01	21.88			
3	16QAM	8	7	21.89	21.94	21.80	23	0	
3	16QAM	15	0	21.90	21.96	21.97			
3	64QAM	1	0	21.89	21.91	21.87			
3	64QAM	1	8	21.96	22.01	21.98	23	0	
3	64QAM	1	14	21.96	21.99	21.96			
3	64QAM	8	0	21.18	21.29	21.10			
3	64QAM	8	4	21.20	21.18	21.22	22	1	
3	64QAM	8	7	21.14	21.11	21.10			
3	64QAM	15	0	21.20	21.31	21.04			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.04	21.99	21.96	23	0	
1.4	QPSK	1	3	21.96	21.93	21.90			
1.4	QPSK	1	5	21.96	22.00	21.85			
1.4	QPSK	3	0	22.00	22.02	21.96	23	0	
1.4	QPSK	3	1	21.94	21.92	21.90			
1.4	QPSK	3	3	21.92	21.92	21.81			
1.4	QPSK	6	0	21.94	21.96	21.84	23	0	
1.4	16QAM	1	0	21.93	22.01	21.78			
1.4	16QAM	1	3	21.85	21.99	21.87			
1.4	16QAM	1	5	21.97	22.07	21.85	23	0	
1.4	16QAM	3	0	21.94	21.93	21.88			
1.4	16QAM	3	1	21.96	21.97	21.93			
1.4	16QAM	3	3	21.94	22.00	21.89	23	0	
1.4	16QAM	6	0	21.88	21.97	21.93			
1.4	64QAM	1	0	21.88	21.92	21.84			
1.4	64QAM	1	3	21.90	22.02	21.83	23	0	
1.4	64QAM	1	5	22.03	22.00	21.90			
1.4	64QAM	3	0	21.83	21.78	21.78			
1.4	64QAM	3	1	21.84	22.00	21.76	23	0	
1.4	64QAM	3	3	21.86	21.96	21.84			
1.4	64QAM	6	0	21.18	21.27	21.10			

Band 66_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.36	22.47	22.22	23	0	
20	QPSK	1	49	22.07	22.21	22.16			
20	QPSK	1	99	21.99	22.11	22.08			
20	QPSK	50	0	21.27	21.29	21.23			
20	QPSK	50	24	21.17	21.24	21.21	22	1	
20	QPSK	50	50	21.14	21.15	21.14			
20	QPSK	100	0	21.21	21.22	21.07			
20	16QAM	1	0	21.58	21.64	21.56			
20	16QAM	1	49	21.42	21.49	21.41	22	1	
20	16QAM	1	99	21.26	21.40	21.32			
20	16QAM	50	0	20.24	20.27	20.18			
20	16QAM	50	24	20.16	20.27	20.21			
20	16QAM	50	50	20.03	20.18	20.11	21	2	
20	16QAM	100	0	20.16	20.24	20.09			
20	64QAM	1	0	20.53	20.56	20.49			
20	64QAM	1	49	20.31	20.38	20.23			
20	64QAM	1	99	20.21	20.28	20.27	20	3	
20	64QAM	50	0	19.28	19.31	19.30			
20	64QAM	50	24	19.27	19.29	19.23			
20	64QAM	50	50	19.09	19.18	19.17			
20	64QAM	100	0	19.21	19.24	19.10			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.26	22.24	22.07	23	0	
15	QPSK	1	37	21.92	22.17	22.10			
15	QPSK	1	74	21.89	21.98	21.99			
15	QPSK	36	0	21.14	21.25	21.13			
15	QPSK	36	20	21.02	21.22	21.09	22	1	
15	QPSK	36	39	21.11	21.05	21.05			
15	QPSK	75	0	21.11	21.15	20.95			
15	16QAM	1	0	21.54	21.63	21.54			
15	16QAM	1	37	21.31	21.46	21.37	22	1	
15	16QAM	1	74	21.23	21.36	21.17			
15	16QAM	36	0	20.17	20.22	20.05			
15	16QAM	36	20	20.02	20.17	20.12			
15	16QAM	36	39	19.91	20.06	20.08	21	2	
15	16QAM	75	0	20.02	20.20	19.98			
15	64QAM	1	0	20.38	20.51	20.39			
15	64QAM	1	37	20.20	20.27	20.08			
15	64QAM	1	74	20.16	20.14	20.24	20	3	
15	64QAM	36	0	19.21	19.21	19.21			
15	64QAM	36	20	19.13	19.20	19.18			
15	64QAM	36	39	19.03	19.16	19.04			
15	64QAM	75	0	19.14	19.16	18.99			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.29	22.23	22.17	22	1	
10	QPSK	1	25	21.95	22.14	22.01			
10	QPSK	1	49	21.89	21.96	21.97			
10	QPSK	25	0	21.26	21.17	21.12			
10	QPSK	25	12	21.15	21.11	21.15	22	1	
10	QPSK	25	25	21.10	21.07	21.02			
10	QPSK	50	0	21.15	21.11	20.95			
10	16QAM	1	0	21.51	21.55	21.44			
10	16QAM	1	25	21.30	21.48	21.34	22	1	
10	16QAM	1	49	21.20	21.31	21.29			
10	16QAM	25	0	20.17	20.13	20.06			
10	16QAM	25	12	20.08	20.26	20.08			
10	16QAM	25	25	19.95	20.04	20.01	21	2	
10	16QAM	50	0	20.15	20.16	20.08			
10	64QAM	1	0	20.39	20.45	20.35			
10	64QAM	1	25	20.22	20.31	20.18			
10	64QAM	1	49	20.06	20.16	20.17	21	2	
10	64QAM	25	0	19.21	19.21	19.25			
10	64QAM	25	12	19.20	19.23	19.12			
10	64QAM	25	25	19.07	19.09	19.12			
10	64QAM	50	0	19.08	19.22	18.98	20	3	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.25	22.27	22.12			
5	QPSK	1	12	22.02	22.08	22.13			
5	QPSK	1	24	21.87	22.09	22.03			
5	QPSK	12	0	21.17	21.27	21.19			
5	QPSK	12	7	21.05	21.18	21.15	22	1	
5	QPSK	12	13	21.09	21.02	21.01			
5	QPSK	25	0	21.17	21.13	20.92			
5	16QAM	1	0	21.50	21.54	21.46			
5	16QAM	1	12	21.32	21.47	21.32	22	1	
5	16QAM	1	24	21.22	21.29	21.19			
5	16QAM	12	0	20.16	20.19	20.16			
5	16QAM	12	7	20.11	20.16	20.17			
5	16QAM	12	13	19.94	20.06	20.03	21	2	
5	16QAM	25	0	20.14	20.20	19.94			
5	64QAM	1	0	20.41	20.47	20.48			
5	64QAM	1	12	20.22	20.34	20.17			
5	64QAM	1	24	20.19	20.18	20.15	21	2	
5	64QAM	12	0	19.20	19.30	19.15			
5	64QAM	12	7	19.22	19.18	19.19			
5	64QAM	12	13	18.97	19.03	19.08			
5	64QAM	25	0	19.19	19.21	19.06	20	3	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.30	22.27	22.17			
3	QPSK	1	8	21.96	22.10	22.02			
3	QPSK	1	14	21.86	21.96	22.04			
3	QPSK	8	0	21.19	21.28	21.18			
3	QPSK	8	4	21.16	21.23	21.17	22	1	
3	QPSK	8	7	21.09	21.14	21.09			
3	QPSK	15	0	21.08	21.14	20.95			
3	16QAM	1	0	21.43	21.58	21.53			
3	16QAM	1	8	21.32	21.46	21.39	22	1	
3	16QAM	1	14	21.13	21.38	21.21			
3	16QAM	8	0	20.23	20.12	20.03			
3	16QAM	8	4	20.09	20.12	20.06			
3	16QAM	8	7	19.90	20.04	19.97	21	2	
3	16QAM	15	0	20.02	20.23	20.02			
3	64QAM	1	0	20.44	20.44	20.40			
3	64QAM	1	8	20.20	20.26	20.12			
3	64QAM	1	14	20.15	20.18	20.13	21	2	
3	64QAM	8	0	19.17	19.28	19.21			
3	64QAM	8	4	19.15	19.19	19.12			
3	64QAM	8	7	19.08	19.15	19.02			
3	64QAM	15	0	19.08	19.23	18.97	20	3	
Channel				131979	132322	132685			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.30	22.26	22.15			
1.4	QPSK	1	3	22.06	22.19	22.14			
1.4	QPSK	1	5	21.92	22.00	21.93			
1.4	QPSK	3	0	22.16	22.19	22.05			
1.4	QPSK	3	1	21.97	22.09	22.02	22	1	
1.4	QPSK	3	3	21.84	21.93	21.87			
1.4	QPSK	6	0	21.10	21.10	21.06			
1.4	16QAM	1	0	21.47	21.62	21.44			
1.4	16QAM	1	3	21.38	21.48	21.30	22	1	
1.4	16QAM	1	5	21.22	21.30	21.19			
1.4	16QAM	3	0	21.38	21.51	21.37			
1.4	16QAM	3	1	21.21	21.40	21.20			
1.4	16QAM	3	3	21.18	21.18	21.06	21	2	
1.4	64QAM	1	0	20.08	20.22	19.99			
1.4	64QAM	1	3	20.48	20.53	20.37			
1.4	64QAM	1	5	20.25	20.32	20.22			
1.4	64QAM	3	0	20.45	20.45	20.27	21	2	
1.4	64QAM	3	1	20.16	20.28	20.21			
1.4	64QAM	3	3	20.21	20.34	20.21			
1.4	64QAM	6	0	19.12	19.12	19.05			

Band 38_Ant 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37650	38000	38150							
Frequency (MHz)				23.37	23.30	23.32							
20	QPSK	1	0	23.37	23.30	23.32	24	0					
20	QPSK	1	49	23.23	23.23	23.18							
20	QPSK	1	99	23.29	23.14	23.21							
20	QPSK	50	0	23.28	23.36	23.36							
20	QPSK	24	0	23.22	23.21	23.26	24	0					
20	QPSK	50	50	23.27	23.21	23.21							
20	QPSK	100	0	23.23	23.27	23.23							
20	16QAM	1	0	23.24	23.23	23.22							
20	16QAM	1	49	23.30	23.14	23.24	23	1					
20	16QAM	1	99	23.23	23.17	23.18							
20	16QAM	50	0	22.25	22.29	22.33							
20	16QAM	50	24	22.45	22.43	22.33							
20	16QAM	100	0	22.22	22.33	22.45	23	1					
20	16QAM	100	0	22.22	22.33	22.45							
20	64QAM	1	0	21.70	21.81	21.86							
20	64QAM	1	49	22.46	22.64	22.46							
20	64QAM	1	99	22.13	22.16	22.16	22	2					
20	64QAM	50	0	21.24	21.36	21.24							
20	64QAM	50	24	21.36	21.30	21.23							
20	64QAM	50	50	21.28	21.38	21.38							
20	64QAM	100	0	21.19	21.28	21.28	Tune-up limit (dBm) MPR (dB)						
Channel				2572.5	2595	2617.5							
Frequency (MHz)				23.33	23.25	23.23							
15	QPSK	1	0	23.33 <th>23.25</th> <th>23.23</th> <td rowspan="4">24</td> <td rowspan="4">0</td> <td rowspan="4"></td> <td rowspan="4"></td>	23.25	23.23	24	0					
15	QPSK	1	37	23.11 <td>23.06</td> <td>23.13</td>	23.06	23.13							
15	QPSK	1	74	23.21	23.09	23.19							
15	QPSK	36	0	23.16	23.33	23.24							
15	QPSK	36	20	23.19	23.13	23.17	24	0					
15	QPSK	36	39	23.26	23.33	23.15							
15	QPSK	75	0	23.15	23.12	23.14							
15	16QAM	1	0	23.20	23.10	23.18							
15	16QAM	1	37	23.26	23.12	23.22	23	1					
15	16QAM	1	74	23.13	23.14	23.05							
15	16QAM	36	0	22.18	22.26	22.20							
15	16QAM	36	20	22.41	22.37	22.19							
15	16QAM	36	39	22.21	22.16	22.12	23	1					
15	16QAM	75	0	22.15	22.28	22.40							
15	64QAM	1	0	21.64	21.70	21.80							
15	64QAM	1	37	22.36	22.52	22.41							
15	64QAM	1	74	22.03	22.03	22.01	22	2					
15	64QAM	36	0	21.18	21.27	21.22							
15	64QAM	36	20	21.31	21.18	21.18							
15	64QAM	36	39	21.24	21.34	21.33							
15	64QAM	75	0	21.05	21.16	21.19	Tune-up limit (dBm) MPR (dB)						
Channel				2576	2595	2615							
Frequency (MHz)				23.29	23.33	23.23							
10	QPSK	1	0	23.29	23.33	23.23	24	0					
10	QPSK	1	25	23.10	23.13	23.06							
10	QPSK	1	49	23.25	23.10	23.11							
10	QPSK	25	0	23.26	23.25	23.17							
10	QPSK	25	12	23.10	23.06	23.20	24	0					
10	QPSK	25	25	23.19	23.12	23.15							
10	QPSK	50	0	23.15	23.16	23.19							
10	16QAM	1	0	23.22	23.12	23.13							
10	16QAM	1	25	23.20	23.02	23.17	24	0					
10	16QAM	1	49	23.17	23.11	23.05							
10	16QAM	25	0	22.18	22.24	22.31							
10	16QAM	25	12	22.40	22.31	22.29							
10	16QAM	25	25	22.33	22.23	22.15	23	1					
10	16QAM	50	0	22.16	22.19	22.35							
10	64QAM	1	0	21.67	21.68	21.75							
10	64QAM	1	25	22.42	22.63	22.34							
10	64QAM	1	49	22.01	22.13	22.11	22	2					
10	64QAM	25	0	21.22	21.35	21.11							
10	64QAM	25	12	21.30	21.19	21.18							
10	64QAM	25	25	21.23	21.31	21.35							
10	64QAM	50	0	21.11	21.14	21.24	Tune-up limit (dBm) MPR (dB)						
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	23.34	23.37	23.29	24	0					
5	QPSK	1	12	23.16	23.21	23.06							
5	QPSK	1	24	23.28	23.00	23.16							
5	QPSK	12	0	23.27	23.33	23.20							
5	QPSK	12	7	23.08	23.09	23.25	24	0					
5	QPSK	12	13	23.15	23.08	23.08							
5	QPSK	25	0	23.17	23.16	23.11							
5	16QAM	1	0	23.21	23.09	23.21							
5	16QAM	1	12	23.15	22.99	23.10	24	0					
5	16QAM	1	24	23.14	23.15	23.09							
5	16QAM	12	0	22.10	22.14	22.19							
5	16QAM	12	7	22.40	22.40	22.31							
5	16QAM	12	13	22.21	22.25	22.15	23	1					
5	16QAM	25	0	22.15	22.27	22.32							
5	64QAM	1	0	21.60	21.71	21.77							
5	64QAM	1	12	22.43	22.53	22.35							
5	64QAM	1	24	22.09	22.13	22.10	22	2					
5	64QAM	12	0	21.20	21.38	21.15							
5	64QAM	12	7	21.29	21.23	21.11							
5	64QAM	12	13	21.22	21.26	21.29							
5	64QAM	25	0	21.18	21.21	21.22	Tune-up limit (dBm) MPR (dB)						

Band 38_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37650	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	49	24.47	24.60	24.56	25	0		
20	QPSK	1	99	24.46	24.57	24.52				
20	QPSK	50	0	23.68	23.75	23.71				
20	QPSK	50	24	23.80	23.74	23.63	24	1		
20	QPSK	50	50	23.85	23.67	23.65				
20	QPSK	100	0	23.66	23.70	23.68				
20	16QAM	1	0	23.70	23.77	23.62	24	1		
20	16QAM	1	49	23.65	23.75	23.70				
20	16QAM	1	99	23.70	23.85	23.79				
20	16QAM	50	0	22.65	22.71	22.59	23	2		
20	16QAM	50	24	22.75	22.76	22.75				
20	16QAM	100	0	22.70	22.78	22.68				
20	64QAM	1	0	22.35	22.47	22.46	23	2		
20	64QAM	1	49	22.43	22.51	22.47				
20	64QAM	1	99	22.57	22.59	22.52				
20	64QAM	50	0	21.62	21.71	21.69	22	3		
20	64QAM	50	24	21.72	21.76	21.67				
20	64QAM	50	50	21.67	21.72	21.64				
20	64QAM	100	0	21.67	21.73	21.68				
Channel				38175	38525	38675				
Frequency (MHz)				2627.5	2656.5	2685.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	24.49	24.54	24.53	25	0		
15	QPSK	1	37	24.34	24.56	24.47				
15	QPSK	1	74	24.37	24.47	24.46				
15	QPSK	36	0	23.54	23.65	23.62	24	1		
15	QPSK	36	36	23.55	23.65	23.55				
15	QPSK	75	0	23.65	23.65	23.57				
15	16QAM	1	0	23.61	23.70	23.67	24	1		
15	16QAM	1	37	23.53	23.66	23.57				
15	16QAM	1	74	23.59	23.71	23.67				
15	16QAM	36	0	22.52	22.63	22.55	23	2		
15	16QAM	36	20	22.68	22.62	22.58				
15	16QAM	36	36	22.66	22.68	22.54				
15	16QAM	75	0	22.66	22.67	22.53	22	3		
15	64QAM	1	0	22.31	22.39	22.40				
15	64QAM	1	37	22.28	22.42	22.41				
15	64QAM	1	74	22.40	22.46	22.50	22	3		
15	64QAM	36	0	21.81	21.81	21.82				
15	64QAM	36	20	21.57	21.71	21.83				
15	64QAM	36	39	21.56	21.68	21.49	21	3		
15	64QAM	75	0	21.52	21.63	21.62				
15	64QAM	75	0	21.60	21.69	21.63				
Channel				38775	39090	39225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2675	2695	2695				
10	QPSK	1	0	24.55	24.51	24.59	25	0		
10	QPSK	1	25	24.33	24.54	24.42				
10	QPSK	1	49	24.37	24.53	24.38				
10	QPSK	1	74	24.38	24.57	24.33	24	1		
10	QPSK	25	12	23.48	23.59	23.62				
10	QPSK	25	25	23.52	23.56	23.56				
10	QPSK	50	0	23.60	23.61	23.53	24	1		
10	16QAM	1	0	23.62	23.62	23.55				
10	16QAM	1	25	23.58	23.72	23.57				
10	16QAM	1	49	23.64	23.71	23.74	24	1		
10	16QAM	25	0	22.57	22.60	22.57				
10	16QAM	25	12	22.68	22.62	22.57				
10	16QAM	25	25	22.68	22.62	22.53	23	2		
10	16QAM	50	0	22.64	22.62	22.52				
10	64QAM	1	0	22.33	22.42	22.38				
10	64QAM	1	25	22.39	22.48	22.36	23	2		
10	64QAM	1	49	22.41	22.51	22.42				
10	64QAM	25	0	21.53	21.67	21.63				
10	64QAM	25	12	21.60	21.74	21.63	22	3		
10	64QAM	25	25	21.54	21.63	21.54				
10	64QAM	50	0	21.53	21.63	21.53				
Channel				37775	38090	39225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2672.5 <th>2695<th>2692.5</th><th></th><th colspan="2"></th></th>	2695 <th>2692.5</th> <th></th> <th colspan="2"></th>	2692.5				
5	QPSK	1	0	24.53	24.63	24.59	25	0		
5	QPSK	1	12	24.41	24.57	24.43				
5	QPSK	1	24	24.45	24.54	24.54				
5	QPSK	12	0	23.59	23.64	23.64	24	1		
5	QPSK	12	7	23.58	23.59	23.61				
5	QPSK	12	13	23.52	23.64	23.58				
5	QPSK	25	0	23.58	23.68	23.58	24	1		
5	16QAM	1	0	23.59	23.71	23.67				
5	16QAM	1	12	23.62	23.74	23.58				
5	16QAM	1	24	23.56	23.76	23.74	24	1		
5	16QAM	12	0	22.54	22.56	22.46				
5	16QAM	12	13	22.56	22.62	22.52				
5	16QAM	12	13	22.64	22.77	22.54	23	2		
5	16QAM	25	0	22.67	22.68	22.57				
5	64QAM	1	0	22.31	22.46	22.38				
5	64QAM	1	12	22.30	22.38	22.36	23	2		
5	64QAM	1	24	22.43	22.57	22.37				
5	64QAM	12	0	21.48	21.68	21.55				
5	64QAM	12	7	21.59	21.64	21.66	22	3		
5	64QAM	12	13	21.54	21.61	21.54				
5	64QAM	0	0	21.86	21.89	21.82				

Band 41_Ant 4																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)							
Channel				39750	40185	40620	41055	41480									
Frequency (MHz)				2506	2549.5	2593	2636.5	2680									
20	QPSK	1	0	23.40	23.48	23.50	23.44	23.48	23.8	0							
20	QPSK	1	49	23.39	23.37	23.44	23.34	23.40									
20	QPSK	1	99	23.32	23.30	23.40	23.32	23.32									
20	QPSK	50	0	22.36	22.49	22.56	22.53	22.51	22.8	1							
20	QPSK	50	24	22.35	22.42	22.50	22.40	22.48									
20	QPSK	50	50	22.41	22.46	22.52	22.50	22.37									
20	QPSK	100	0	22.36	22.46	22.51	22.45	22.50	22.8	1							
20	16QAM	1	0	22.51	22.44	22.53	22.41	22.41									
20	16QAM	1	49	22.45	22.44	22.55	22.40	22.45									
20	16QAM	1	99	22.57	22.44	22.59	22.49	22.45	21.8	2							
20	16QAM	50	0	21.42	21.40	21.48	21.38	21.34									
20	16QAM	50	24	21.36	21.46	21.50	21.43	21.48									
20	16QAM	50	50	21.38	21.47	21.52	21.49	21.47	20.8	3							
20	16QAM	100	0	21.43	21.41	21.48	21.39	21.37									
20	64QAM	1	0	21.12	21.17	21.24	21.10	21.19									
20	64QAM	1	49	20.94	20.89	21.00	20.88	20.93	21.8	2							
20	64QAM	1	99	21.27	21.26	21.33	21.29	21.19									
20	64QAM	50	0	20.33	20.43	20.48	20.37	20.45									
20	64QAM	50	24	20.43	20.39	20.48	20.39	20.37	20.8	3							
20	64QAM	50	50	20.43	20.42	20.51	20.37	20.40									
20	64QAM	100	0	20.12	20.03	20.18	20.16	20.05			Time-up limit (dBm)		MPR (dB)				
Channel				39725	40173	40620	41055	41480									
Frequency (MHz)				2503	2546.3	2593	2637.8	2682.5									
15	QPSK	1	0	23.31	23.43	23.35	23.41	23.33	23.8	0							
15	QPSK	1	37	23.29	23.25	23.29	23.27	23.33									
15	QPSK	1	74	23.22	23.15	23.38	23.30	23.20									
15	QPSK	36	0	22.37	22.36	22.54	22.46	22.40	22.8	1							
15	QPSK	36	20	22.23	22.29	22.49	22.43	22.31									
15	QPSK	36	39	22.24	22.34	22.46	22.45	22.36									
15	QPSK	75	0	22.33	22.37	22.40	22.40	22.37	22.8	1							
15	16QAM	1	0	22.45	22.42	22.40	22.34	22.32									
15	16QAM	1	37	22.43	22.51	22.45	22.44	22.38									
15	16QAM	1	74	22.45	22.38	22.57	22.36	22.30	21.8	2							
15	16QAM	36	0	21.36	21.38	21.38	21.34	21.29									
15	16QAM	36	20	21.28	21.31	21.47	21.40	21.35									
15	16QAM	36	39	21.32	21.39	21.49	21.46	21.43	20.8	3							
15	16QAM	75	0	21.37	21.39	21.40	21.25	21.21									
15	64QAM	1	0	21.06	21.10	21.09	20.96	21.07									
15	64QAM	1	37	20.80	20.86	20.99	20.81	20.89	21.8	2							
15	64QAM	1	74	21.34	21.11	21.22	21.28	21.05									
15	64QAM	36	0	20.21	20.32	20.37	20.23	20.27									
15	64QAM	36	20	20.34	20.37	20.42	20.29	20.29	20.8	3							
15	64QAM	36	39	20.42	20.41	20.41	20.25	20.37									
15	64QAM	75	0	20.00	19.92	20.10	20.10	20.01			Time-up limit (dBm)		MPR (dB)				
Channel				39700	40160	40620	41080	41540									
Frequency (MHz)				2501.5	2544.3	2593	2636.30	2681.5									
10	QPSK	1	0	23.37	23.44	23.40	23.34	23.33	23.8	0							
10	QPSK	1	25	23.36	23.35	23.37	23.33	23.32									
10	QPSK	1	49	23.20	23.18	23.28	23.22	23.28									
10	QPSK	25	0	22.35	22.48	22.52	22.42	22.38	22.8	1							
10	QPSK	25	12	22.35	22.30	22.38	22.28	22.39									
10	QPSK	25	25	22.33	22.39	22.37	22.35	22.31									
10	QPSK	50	0	22.21	22.40	22.44	22.34	22.40	22.8	1							
10	16QAM	1	0	22.46	22.29	22.40	22.27	22.30									
10	16QAM	1	25	22.41	22.39	22.53	22.45	22.38									
10	16QAM	1	49	22.43	22.38	22.53	22.38	22.44	21.8	2							
10	16QAM	25	0	21.28	21.37	21.45	21.35	21.33									
10	16QAM	25	12	21.27	21.40	21.42	21.37	21.33									
10	16QAM	25	25	21.24	21.39	21.42	21.39	21.33	21.8	2							
10	16QAM	50	0	21.28	21.27	21.45	21.38	21.26									
10	64QAM	1	0	21.06	21.09	21.17	21.04	21.11									
10	64QAM	1	25	20.93	20.81	20.92	20.80	20.85	21.8	2							
10	64QAM	1	49	21.14	21.22	21.30	21.15	21.16									
10	64QAM	25	0	20.28	20.31	20.36	20.31	20.38									
10	64QAM	25	12	20.42	20.25	20.33	20.31	20.24	20.8	3							
10	64QAM	25	25	20.36	20.28	20.42	20.32	20.39									
10	64QAM	50	0	20.04	20.00	20.13	20.05	19.92			Time-up limit (dBm)		MPR (dB)				
Channel				39675	40148	40620	41093	41565									
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5									
5	QPSK	1	0	23.34	23.42	23.40	23.29	23.45	23.8	0							
5	QPSK	1	12	23.26	23.24	23.31	23.26	23.26									
5	QPSK	1	24	23.23	23.21	23.34	23.30	23.26									
5	QPSK	12	0	22.40	22.37	22.49	22.41	22.48	22.8	1							
5	QPSK	12	7	22.34	22.33	22.45	22.29	22.42									
5	QPSK	12	13	22.28	22.45	22.39	22.47	22.36									
5	QPSK	25	0	22.32	22.43	22.45	22.42	22.36	22.8	1							
5	16QAM	1	0	22.36	22.39	22.38	22.39	22.33									
5	16QAM	1	12	22.35	22.38	22.40	22.38	22.41									
5	16QAM	1	24	22.44	22.31	22.45	22.47	22.42	21.8	2							
5	16QAM	12	0	21.35	21.29	21.36	21.30	21.21									
5	16QAM	12	7	21.28	21.43	21.45	21.38	21.34									
5	16QAM	12	13	21.36	21.32	21.37	21.42	21.39	21.8	2							
5	16QAM	25	0	21.29	21.28	21.47	21.38	21.23									
5	64QAM	1	0	21.04	21.09	21.14	20.97	21.07									
5	64QAM	1	12	20.88	20.81	20.87	20.85	20.90	21.8	2							
5	64QAM	1	24	21.12	21.11	21.32	21.26	21.12									
5	64QAM	12	0	20.30	20.28	20.43	20.35	20.43									
5	64QAM	12	7	20.41	20.37	20.44	20.35	20.30	20.8	3							
5	64QAM	12	13	20.40	20.29	20.44	20.24	20.28									
5	64QAM	25	0	20.11	19.94	20.11	20.01	20.00									

Band 41 (HPUE)_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2596	2648.5	2693	2745.5	2798				
20	QPSK	1	0	26.35	26.43	26.55	26.63	26.73	26.8	0		
20	QPSK	1	49	26.28	26.33	26.37	26.36	26.22	26.3	25.8		
20	QPSK	1	99	26.30	26.28	26.42	26.32	26.37				
20	QPSK	50	0	26.37	26.38	26.48	26.37	26.36				
20	QPSK	50	24	26.36	26.30	26.30	26.47	26.39				
20	QPSK	50	50	26.35	26.37	26.40	26.34	26.34		25.8		
20	QPSK	100	0	26.37	26.43	26.45	26.32	26.43				
20	16QAM	1	0	26.51	26.57	26.64	26.53	26.50				
20	16QAM	1	49	26.47	26.44	26.49	26.57	26.48				
20	16QAM	1	99	26.46	26.56	26.58	26.62	26.57		24.8		
20	16QAM	50	0	24.31	24.34	24.46	24.33	24.40				
20	16QAM	50	24	24.35	24.44	24.47	24.36	24.46				
20	16QAM	50	50	24.32	24.45	24.52	24.40	24.47				
20	16QAM	100	0	24.41	24.43	24.48	24.37	24.43		24.8		
20	64QAM	1	0	24.38	24.40	24.48	24.36	24.33				
20	64QAM	1	49	24.52	24.45	24.53	24.46	24.38				
20	64QAM	1	99	24.47	24.52	24.55	24.41	24.45				
20	64QAM	50	0	23.31	23.37	23.44	23.37	23.41		23.8		
20	64QAM	50	24	23.32	23.45	23.54	23.34	23.40				
20	64QAM	50	50	23.32	23.36	23.35	23.39	23.37				
20	64QAM	100	0	23.31	23.29	23.32	23.29	23.35				
Channel				40170	40595	41030	41455	41885	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				26915	27438	27973	28497	29025				
15	QPSK	1	0	26.35	26.43	26.51	26.35	26.47		26.8		
15	QPSK	1	37	26.16	26.23	26.24	26.27	26.18				
15	QPSK	1	74	26.19	26.22	26.26	26.23	26.23				
15	QPSK	38	0	26.28	26.28	26.45	26.36	26.35				
15	QPSK	38	29	26.33	26.29	26.29	26.33	26.33		25.8		
15	QPSK	36	39	26.25	26.33	26.25	26.33	26.29				
15	QPSK	75	0	25.26	25.35	25.41	25.31	25.28				
15	16QAM	1	0	26.47	26.47	26.62	26.40	26.47				
15	16QAM	1	49	26.46	26.43	26.43	26.46	26.43		25.8		
15	16QAM	1	74	25.44	25.48	25.58	25.50	25.58				
15	16QAM	36	0	24.18	24.31	24.33	24.25	24.34				
15	16QAM	36	20	24.26	24.39	24.41	24.23	24.41				
15	16QAM	36	29	24.38	24.36	24.36	24.30	24.38		24.8		
15	16QAM	75	0	24.35	24.35	24.43	24.26	24.28				
15	64QAM	1	0	24.25	24.26	24.43	24.32	24.26				
15	64QAM	1	37	24.38	24.33	24.39	24.31	24.23				
15	64QAM	1	74	24.32	24.34	24.34	24.34	24.32		24.8		
15	64QAM	36	0	23.29	23.29	23.30	23.24	23.32				
15	64QAM	36	20	23.28	23.39	23.31	23.22	23.37				
15	64QAM	36	29	23.24	23.30	23.38	23.28	23.35				
15	64QAM	75	0	23.37	23.14	23.39	23.14	23.26		23.8		
Channel				41010	41435	41870	42300	42725	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				27001 <td>27427</td> <td>27863</td> <td>28295</td> <td>28725</td> <th></th> <th></th>	27427	27863	28295	28725				
10	QPSK	1	0	26.24	26.36	26.49	26.34	26.43			26.8	
10	QPSK	1	25	26.26	26.22	26.33	26.29	26.09				
10	QPSK	1	49	26.29	26.22	26.37	26.24	26.22				
10	QPSK	1	74	26.32	26.28	26.28	26.44	26.24				
10	QPSK	25	12	26.31	25.18	26.35	26.20	25.25		25.8		
10	QPSK	25	25	26.25	26.26	26.35	26.23	25.22				
10	QPSK	50	0	25.34	25.28	25.34	25.21	25.25				
10	QPSK	50	1	25.35	25.15	25.25	25.61	25.48				
10	16QAM	1	25	25.41	25.32	25.57	25.56	25.47		25.8		
10	16QAM	1	49	25.51	25.40	25.52	25.69	25.50				
10	16QAM	25	0	24.19	24.19	24.41	24.27	24.36				
10	16QAM	25	12	24.24	24.34	24.43	24.35	24.31				
10	16QAM	25	24	24.30	24.44	24.49	24.29	24.40		24.8		
10	16QAM	50	0	24.26	24.32	24.37	24.32	24.31				
10	64QAM	1	0	24.28	24.29	24.46	24.28	24.26				
10	64QAM	1	25	24.43	24.44	24.47	24.38	24.26				
10	64QAM	1	24	24.40	24.37	24.39	24.34	24.32		24.8		
10	64QAM	25	0	23.28	23.25	23.43	23.34	23.37				
10	64QAM	25	12	23.17	23.38	23.40	23.32	23.35				
10	64QAM	25	25	23.28	23.26	23.34	23.33	23.24				
10	64QAM	50	0	23.38	23.27	23.39	23.29	23.39		23.8		
Channel				39575	40140 <th>40620</th> <th>41055</th> <th>41555</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	40620	41055	41555	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.0	2687.5				
5	QPSK	1	0	26.24	26.42	26.51	26.32	26.41			26.8	
5	QPSK	1	12	26.22	26.21	26.34	26.32	26.14				
5	QPSK	1	24	26.19	26.18	26.41	26.21	26.31				
5	QPSK	12	25	26.32	26.28	26.28	26.44	26.24				
5	QPSK	12	7	26.32	26.23	26.27	26.25	26.24		25.8		
5	QPSK	12	13	25.22	25.25	25.25	25.32	25.31				
5	QPSK	25	0	26.27	26.25	26.35	26.30	26.42				
5	16QAM	1	0	26.32	26.48	26.48	26.38	26.42				
5	16QAM	1	12	25.44	26.30	25.57	25.51	26.42		25.8		
5	16QAM	1	24	25.50	25.46	25.58	25.54	25.56				
5	16QAM	12	0	24.28	24.24	24.42	24.23	24.35				
5	16QAM	12	13	24.27	24.40	24.38	24.34	24.38				
5	64QAM	12	13	24.29	24.38	24.45	24.28	24.33		24.8		
5	64QAM	25	0	24.26	24.29	24.31	24.30	24.32				
5	64QAM	1	0	24.34	24.38	24.34	24.29	24.29				
5	64QAM	1	24	24.43	24.36	24.45	24.34	24.32				
5	64QAM	1	24	24.37	24.50	24.54	24.31	24.31		24.8		
5	64QAM	12	0	23.30	23.29	23.38	23.30	23.34				
5	64QAM	12	7	23.24	23.29	23.32	23.31	23.25				
5	64QAM	12	13	23.31	23.31	23.38	23.38	23.32				
5	64QAM	12	25	23.29	23.29	23.36	23.20	23.27		23.8		
5	64QAM	12	7	23.24	23.29	23.32	23.31	23.25				
5	64QAM	12	13	23.31	23.31	23.38	23.38	23.32				
5	64QAM	12	25	23.29	23.29	23.36	23.20	23.27				

Band 41 (HPUE)_Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Low Middle Ch./ Freq.	Power Middle Ch./ Freq.	Power High Middle Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2638.5	2680				
20	QPSK	1	0	26.38	26.36	26.47	26.35	26.46	26.8	0		
20	QPSK	1	99	26.38	26.44	26.50	26.37	26.39				
20	QPSK	50	0	25.41	25.39	25.44	25.42	25.38				
20	QPSK	50	24	25.37	25.36	25.38	25.36	25.36	25.8	1		
20	QPSK	50	50	25.40	25.36	25.31	25.39	25.30				
20	QPSK	100	0	25.46	25.37	25.47	25.46	25.44				
20	16QAM	1	0	25.53	25.48	25.61	25.50	25.58	25.8	1		
20	16QAM	1	49	25.57	25.57	25.68	25.56	25.59				
20	16QAM	1	99	25.67	25.67	25.70	25.66	25.65				
20	16QAM	50	0	24.43	24.41	24.49	24.38	24.35	24.8	2		
20	16QAM	50	24	24.54	24.50	24.57	24.46	24.52				
20	16QAM	50	50	24.53	24.44	24.56	24.45	24.51				
20	16QAM	100	0	24.39	24.36	24.46	24.34	24.34	24.8	2		
20	64QAM	1	0	24.40	24.43	24.53	24.49	24.51				
20	64QAM	1	49	24.41	24.48	24.53	24.52	24.51				
20	64QAM	1	99	24.43	24.49	24.54	24.49	24.50	24.8	2		
20	64QAM	50	0	23.29	23.34	23.44	23.43	23.34				
20	64QAM	50	24	23.36	23.33	23.46	23.45	23.43				
20	64QAM	50	50	23.34	23.41	23.46	23.43	23.43	23.8	3		
20	64QAM	100	0	23.36	23.43	23.45	23.35	23.32				
Channel				39725	40173	40620	41065	41510			Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.5	2544.3	2593	2637.8	2682.5				
15	QPSK	1	0	26.36	26.43	26.51	26.37	26.40	26.8	0		
15	QPSK	1	37	26.24	26.33	26.42	26.31	26.38				
15	QPSK	1	74	26.36	26.29	26.42	26.30	26.30				
15	QPSK	36	0	25.32	25.27	25.35	25.37	25.29	25.8	1		
15	QPSK	36	0	25.23	25.29	25.27	25.35	25.27				
15	QPSK	36	39	25.36	25.29	25.29	25.26	25.18				
15	QPSK	75	0	25.33	25.29	25.44	25.37	25.36	25.8	1		
15	16QAM	1	0	25.44	25.35	25.54	25.47	25.55				
15	16QAM	1	37	25.51	25.63	25.60	25.56	25.57				
15	16QAM	1	74	25.64	25.57	25.57	25.57	25.55	25.8	1		
15	16QAM	36	0	24.41	24.32	24.35	24.28	24.24				
15	16QAM	36	20	24.51	24.40	24.45	24.42	24.45				
15	16QAM	36	39	24.38	24.37	24.55	24.35	24.43	24.8	2		
15	16QAM	75	0	24.27	24.22	24.39	24.23	24.30				
15	64QAM	1	0	24.32	24.29	24.41	24.46	24.44				
15	64QAM	1	37	24.36	24.43	24.43	24.41	24.39	24.8	2		
15	64QAM	1	74	24.32	24.38	24.48	24.37	24.43				
15	64QAM	36	0	23.24	23.24	23.37	23.33	23.28				
15	64QAM	36	20	23.26	23.30	23.33	23.34	23.36	23.8	3		
15	64QAM	36	39	23.21	23.29	23.37	23.34	23.31				
15	64QAM	75	0	23.23	23.38	23.34	23.27	23.31				
Channel				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	26.32	26.41	26.46	26.30	26.37	26.8	0		
10	QPSK	1	25	26.25	26.24	26.42	26.30	26.38				
10	QPSK	1	49	26.23	26.43	26.37	26.34	26.28				
10	QPSK	25	0	25.27	25.32	25.42	25.39	25.33	25.8	1		
10	QPSK	25	12	25.33	25.28	25.29	25.34	25.23				
10	QPSK	25	25	25.33	25.27	25.23	25.33	25.21				
10	QPSK	50	0	25.40	25.31	25.44	25.38	25.36	25.8	1		
10	16QAM	1	0	25.44	25.35	25.56	25.36	25.54				
10	16QAM	1	25	25.49	25.45	25.62	25.51	25.55				
10	16QAM	1	49	25.58	25.60	25.55	25.53	25.52	25.8	1		
10	16QAM	25	0	24.42	24.26	24.47	24.28	24.32				
10	16QAM	25	12	24.41	24.38	24.44	24.44	24.39				
10	16QAM	25	25	24.41	24.31	24.46	24.44	24.44	24.8	2		
10	16QAM	50	0	24.28	24.21	24.33	24.23	24.28				
10	64QAM	1	0	24.30	24.41	24.52	24.41	24.48				
10	64QAM	1	25	24.32	24.35	24.47	24.46	24.45	24.8	2		
10	64QAM	1	49	24.28	24.48	24.45	24.37	24.49				
10	64QAM	25	0	23.25	23.28	23.34	23.31	23.20				
10	64QAM	25	12	23.24	23.30	23.39	23.41	23.34	23.8	3		
10	64QAM	25	25	23.24	23.27	23.43	23.31	23.40				
10	64QAM	50	0	23.29	23.33	23.38	23.22	23.27				
Channel				39675	40148	40620	41093	41555	Time-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	26.30	26.37	26.39	26.28	26.49	26.8	0		
5	QPSK	1	12	26.28	26.29	26.36	26.20	26.40				
5	QPSK	1	24	26.33	26.36	26.38	26.31	26.35				
5	QPSK	12	0	25.37	25.28	25.30	25.36	25.26	25.8	1		
5	QPSK	12	7	25.31	25.29	25.36	25.27	25.25				
5	QPSK	12	13	25.39	25.25	25.20	25.38	25.28				
5	QPSK	25	0	25.35	25.32	25.33	25.40	25.43	25.8	1		
5	16QAM	1	0	25.51	25.35	25.48	25.42	25.53				
5	16QAM	1	12	25.44	25.42	25.56	25.46	25.57				
5	16QAM	1	24	25.57	25.59	25.69	25.58	25.61	25.8	1		
5	16QAM	12	0	24.32	24.34	24.40	24.22	24.24				
5	16QAM	12	7	24.46	24.43	24.48	24.37	24.37				
5	16QAM	12	13	24.38	24.41	24.42	24.31	24.48	24.8	2		
5	16QAM	25	0	24.38	24.35	24.33	24.23	24.26				
5	64QAM	1	0	24.30	24.28	24.47	24.35	24.41				
5	64QAM	1	12	24.32	24.42	24.47	24.43	24.41	24.8	2		
5	64QAM	1	24	24.40	24.41	24.52	24.37	24.36				
5	64QAM	12	0	23.24	23.22	23.30	23.38	23.33				
5	64QAM	12	7	23.26	23.32	23.40	23.37	23.34	23.8	3		
5	64QAM	12	13	23.27	23.37	23.40	23.33	23.33				
5	64QAM	25	0	23.35	23.39	23.30	23.25	23.27				

Band 41_Ant 5												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40165	40620	41055	41490				
Frequency (MHz)				2043	2043	2043	2043	2043				
20	QPSK	1	0	20.47	20.42	20.48	20.38	20.02				
20	QPSK	1	49	20.21	20.25	20.25	20.07	19.96	20.8	0		
20	QPSK	1	99	20.25	20.26	20.24	20.01	19.98				
20	QPSK	50	0	19.35	19.35	19.40	19.09	19.13				
20	QPSK	50	24	19.3	19.29	19.28	19.06	19.06				
20	QPSK	50	50	19.34	19.26	19.20	19.03	19.12	19.8	1		
20	QPSK	100	0	19.38	19.27	19.39	19.08	19.05				
20	16QAM	1	0	18.69	18.67	18.70	18.45	18.59				
20	16QAM	1	49	18.72	18.67	18.71	18.47	18.62	19.8	2		
20	16QAM	1	99	18.96	18.97	19.00	18.84	18.87				
20	16QAM	50	0	18.24	18.23	18.27	18.09	18.05				
20	16QAM	50	24	18.04	17.99	17.99	17.82	17.83	18.8	2		
20	16QAM	50	50	18.28	18.34	18.26	18.14	18.06				
20	16QAM	100	0	17.80	17.86	17.81	17.64	17.74				
20	64QAM	1	0	17.77	17.85	17.76	17.65	17.60				
20	64QAM	1	49	18.13	18.05	18.06	17.85	17.87	18.8	2		
20	64QAM	1	99	18.03	18.09	18.04	17.83	17.91				
20	64QAM	50	0	17.26	17.34	17.22	17.11	17.05				
20	64QAM	50	24	17.26	17.23	17.28	17.07	17.12				
20	64QAM	50	50	17.23	17.29	17.26	17.09	17.12	17.8	3		
20	64QAM	100	0	16.93	17.03	16.96	16.79	16.71				
Channel				20555	20543	20593	2057.9	2057.1	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20555	20543	20593	2057.9	2057.1				
15	QPSK	1	0	20.42	20.27	20.23	19.95	19.85				
15	QPSK	1	37	20.14	20.24	20.19	20.03	19.93	20.8	0		
15	QPSK	1	74	20.13	20.18	20.19	19.98	19.97				
15	QPSK	36	0	19.27	19.34	19.26	19.07	19.07				
15	QPSK	36	30	19.16	19.20	19.15	19.04	19.04				
15	QPSK	36	39	19.28	19.18	19.08	18.93	19.07	19.8	1		
15	QPSK	75	0	19.34	19.21	19.10	19.02	19.00				
15	16QAM	1	0	18.67	18.65	18.62	18.36	18.58				
15	16QAM	1	37	18.61	18.61	18.73	18.49	18.49	19.8	1		
15	16QAM	1	74	18.64	18.64	18.99	18.82	18.73				
15	16QAM	36	0	18.12	18.22	18.14	18.06	17.97				
15	16QAM	36	20	18.00	17.89	17.96	17.67	17.72	18.8	2		
15	16QAM	36	39	18.26	18.23	18.24	18.04	17.94				
15	16QAM	75	0	17.89	17.95	17.92	17.66	17.62				
15	64QAM	1	0	17.70	17.79	17.61	17.57	17.48				
15	64QAM	1	37	18.02	17.94	17.91	17.71	17.81	18.8	2		
15	64QAM	1	74	18.01	17.94	17.91	17.71	17.85				
15	64QAM	36	0	17.23	17.25	17.15	17.04	16.93				
15	64QAM	36	20	17.15	17.16	17.27	17.01	17.11	17.8	3		
15	64QAM	36	39	17.15	17.19	17.15	17.03	16.96				
15	64QAM	75	0	16.82	16.93	16.91	16.65	16.61				
Channel				20625	20616	20665	20655	20650	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				20625	20616	20665	20655	20650				
10	QPSK	1	0	20.37	20.33	20.21	19.94	19.92				
10	QPSK	1	25	20.18	20.23	20.14	19.96	19.84	20.8	0		
10	QPSK	1	49	20.18	20.21	20.13	19.87	19.84				
10	QPSK	25	0	19.33	19.31	19.31	19.10	19.10				
10	QPSK	25	12	19.23	19.20	19.06	19.02	18.93	19.8	1		
10	QPSK	25	25	19.19	19.21	19.19	18.98	18.97				
10	QPSK	50	0	19.29	19.15	19.20	18.96	18.91				
10	16QAM	1	0	18.61	18.61	18.61	18.35	18.35	19.8	2		
10	16QAM	1	25	18.60	18.64	18.60	18.35	18.39	19.8	1		
10	16QAM	1	49	18.63	18.63	18.91	18.73	18.76				
10	16QAM	25	0	18.11	18.08	18.23	18.05	18.04				
10	16QAM	25	12	18.00	17.87	17.80	17.72	17.74	18.8	2		
10	16QAM	25	25	18.27	18.26	18.26	18.09	18.07				
10	16QAM	50	0	17.80	17.91	17.83	17.69	17.65				
10	64QAM	1	0	17.74	17.83	17.62	17.63	17.45				
10	64QAM	1	25	18.10	17.96	17.97	17.81	17.83	18.8	2		
10	64QAM	1	49	17.89	17.89	17.95	17.79	17.79				
10	64QAM	25	0	17.25	17.24	17.12	17.10	16.98				
10	64QAM	25	12	17.17	17.21	17.20	16.94	17.11	17.8	3		
10	64QAM	25	25	17.22	17.24	17.11	17.07	17.00				
10	64QAM	50	0	16.86	17.02	17.02	16.94	16.91				
Channel				39575	40148	40260	41050	41555	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5				
5	QPSK	1	0	20.46	20.38	20.11	20.05	19.99				
5	QPSK	1	12	20.08	20.23	20.16	19.97	19.85	20.8	0		
5	QPSK	1	24	20.16	20.19	20.19	19.96	19.96				
5	QPSK	12	0	19.37	19.23	19.13	18.99	19.10				
5	QPSK	12	7	19.29	19.28	19.09	18.96	18.96	19.8	1		
5	QPSK	12	13	19.19	19.24	19.10	18.99	19.03				
5	QPSK	25	0	19.36	19.18	19.10	18.92	18.93				
5	16QAM	1	0	18.51	18.59	18.59	18.32	18.37	19.8	2		
5	16QAM	1	12	18.67	18.64	18.60	18.40	18.36	19.8	1		
5	16QAM	1	24	18.55	18.55	18.96	18.81	18.78				
5	16QAM	12	0	18.17	18.09	18.16	18.01	18.03				
5	16QAM	12	13	17.91	17.87	17.86	17.71	17.80	18.8	2		
5	16QAM	12	13	18.16	18.31	18.18	18.06	17.96				
5	16QAM	25	0	17.87	17.87	17.92	17.68	17.60				
5	64QAM	1	0	17.74	17.82	17.70	17.51	17.47	18.8	2		
5	64QAM	1	12	18.07	17.97	17.97	17.81	17.81				
5	64QAM	1	24	17.92	17.96	17.89	17.81	17.79				
5	64QAM	12	0	17.22	17.20	17.24	16.96	16.96				
5	64QAM	12	13	17.20	17.09	17.27	16.94	17.02	17.8	3		
5	64QAM	12	13	17.10	17.15	17.24	16.97	16.97				
5	64QAM	25	0	16.91	16.91	16.94	16.72	16.69				

Reduced Power Mode for ECIS

GSM850_Ant 1	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	128	189	251		TX Channel	128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		31.07	31.37	31.22	32.30	22.07	22.37	22.22	23.30	
GPRS 1 Tx slot		31.08	31.44	31.35	32.30	22.08	22.44	22.35	23.30	
GPRS 2 Tx slots		28.18	28.59	28.49	29.30	22.18	22.59	22.49	23.30	
GPRS 3 Tx slots		26.44	26.85	26.78	27.50	22.18	22.59	22.52	23.24	
GPRS 4 Tx slots		25.18	25.58	25.48	26.30	22.18	22.58	22.48	23.30	
EDGE(GMSK 1 Tx slot)		31.07	31.36	31.34	32.30	22.07	22.36	22.34	23.30	
EDGE(GMSK 2 Tx slot)		28.09	28.47	28.43	29.30	22.09	22.47	22.43	23.30	
EDGE(GMSK 3 Tx slot)		26.29	26.79	26.70	27.50	22.03	22.53	22.44	23.24	
EDGE(GMSK 4 Tx slot)		25.04	25.53	25.42	26.30	22.04	22.53	22.42	23.30	
EDGE 1 Tx slot		26.05	26.41	26.60	27.80	17.05	17.41	17.60	18.80	
EDGE 2 Tx slots		23.87	23.94	24.08	25.80	17.87	17.94	18.08	19.80	
EDGE 3 Tx slots		22.01	22.23	22.31	23.30	17.75	17.97	18.05	19.04	
EDGE 4 Tx slots		21.26	21.54	21.63	22.80	18.26	18.54	18.63	19.80	

GSM1900_Ant 4	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.51	29.78	29.88	30.30	20.51	20.78	20.88	21.30
GPRS 1 Tx slot	29.51	29.77	29.87	30.30	20.51	20.77	20.87	21.30
GPRS 2 Tx slots	27.04	27.39	27.38	28.30	21.04	21.39	21.38	22.30
GPRS 3 Tx slots	25.27	25.51	25.59	26.30	21.01	21.25	21.33	22.04
GPRS 4 Tx slots	23.98	24.11	24.14	24.80	20.98	21.11	21.14	21.80
EDGE(GMSK 1 Tx slot)	29.49	29.70	29.82	30.30	20.49	20.70	20.82	21.30
EDGE(GMSK 2 Tx slot)	26.93	27.24	27.24	28.30	20.93	21.24	21.24	22.30
EDGE(GMSK 3 Tx slot)	25.24	25.46	25.55	26.30	20.98	21.20	21.29	22.04
EDGE(GMSK 4 Tx slot)	23.96	24.11	24.13	24.80	20.96	21.11	21.13	21.80
EDGE 1 Tx slot	25.61	25.75	25.71	26.80	16.61	16.75	16.71	17.80
EDGE 2 Tx slots	22.45	22.56	22.47	23.80	16.45	16.56	16.47	17.80
EDGE 3 Tx slots	20.95	20.97	20.85	22.30	16.69	16.71	16.59	18.04
EDGE 4 Tx slots	20.06	20.10	19.99	21.80	17.06	17.10	16.99	18.80

Band	WCDMA II_Ant 4				Tune-up Limit (dBm)	WCDMA II_Ant 3				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		9262	9400	9538		
Rx Channel		9662	9800	9938		9662	9800	9938		
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	23.77	23.77	23.68	24.80	19.22	19.13	19.20	19.80	
3GPP Rel 99	RMIC 12.2Kbps	23.87	23.89	23.82	24.80	19.25	19.26	19.23	19.80	
3GPP Rel 6	HSRPA Subtest-1	22.87	22.91	22.87	24.80	19.19	19.24	19.22	19.80	
3GPP Rel 6	HSRPA Subtest-2	22.87	22.96	22.86	24.80	19.21	19.22	19.18	19.80	
3GPP Rel 6	HSRPA Subtest-3	22.42	22.47	22.45	24.30	19.22	19.22	19.23	19.80	
3GPP Rel 6	HSRPA Subtest-4	22.38	22.47	22.40	24.30	19.19	19.22	19.24	19.80	
3GPP Rel 6	DC-HSRPA Subtest-1	22.88	22.82	22.81	24.80	19.06	19.10	19.14	19.80	
3GPP Rel 6	DC-HSRPA Subtest-2	22.84	22.94	22.83	24.80	19.10	19.21	19.06	19.80	
3GPP Rel 6	DC-HSRPA Subtest-3	22.38	22.39	22.32	24.30	19.08	19.08	19.24	19.80	
3GPP Rel 6	DC-HSRPA Subtest-4	22.33	22.44	22.35	24.30	19.10	19.12	19.20	19.80	
3GPP Rel 6	HSUPA Subtest-1	20.92	20.87	20.81	21.80	19.16	19.19	19.15	19.80	
3GPP Rel 6	HSUPA Subtest-2	20.94	20.93	20.87	21.80	19.15	19.21	19.09	19.80	
3GPP Rel 6	HSUPA Subtest-3	21.91	21.90	21.86	22.80	19.16	19.24	19.09	19.80	
3GPP Rel 6	HSUPA Subtest-4	20.44	20.45	20.42	21.80	19.19	19.12	19.09	19.80	
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	21.90	22.80	19.15	19.22	19.14	19.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.87	20.80	22.80	19.19	19.19	19.21	19.80	

Band	WCDMA V_Ant 1					WCDMA V_Ant 0				
	TX Channel	4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)	
	Rx Channel	4357	4407	4458		4357	4407	4458		
	Frequency (MHz)	826.4	836.4	846.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	22.18	22.29	22.28	23.30	22.09	22.20	22.13	23.30	
3GPP Rel 99	RMC 12.2Kbps	22.29	22.42	22.35	23.30	22.22	22.24	22.20	23.30	
3GPP Rel 6	HSRPA Subtest-1	22.22	22.23	22.21	23.30	22.04	22.09	22.08	22.80	
3GPP Rel 6	HSRPA Subtest-2	22.16	22.24	22.20	23.30	21.99	22.07	22.09	22.80	
3GPP Rel 6	HSRPA Subtest-3	22.19	22.27	22.28	23.30	21.54	21.60	21.61	22.30	
3GPP Rel 6	HSRPA Subtest-4	22.15	22.22	22.19	23.30	21.50	21.57	21.59	22.30	
3GPP Rel 6	DC-HSRPA Subtest-1	22.20	22.08	22.17	23.30	21.90	22.00	22.05	22.80	
3GPP Rel 6	DC-HSRPA Subtest-2	22.07	22.23	22.18	23.30	21.89	22.01	21.96	22.80	
3GPP Rel 6	DC-HSRPA Subtest-3	22.06	22.20	22.14	23.30	21.53	21.48	21.50	22.30	
3GPP Rel 6	DC-HSRPA Subtest-4	22.09	22.17	22.25	23.30	21.37	21.45	21.44	22.30	
3GPP Rel 6	HSUPA Subtest-1	20.97	20.98	20.98	21.80	20.05	20.08	20.03	20.80	
3GPP Rel 6	HSUPA Subtest-2	21.01	21.01	21.02	21.80	20.04	20.06	20.06	20.80	
3GPP Rel 6	HSUPA Subtest-3	22.03	22.02	22.00	22.80	21.06	21.09	21.07	21.80	
3GPP Rel 6	HSUPA Subtest-4	20.52	20.55	20.49	21.80	19.61	19.63	19.57	20.80	
3GPP Rel 6	HSUPA Subtest-5	22.20	22.00	22.00	22.80	21.50	21.10	21.10	21.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.98	20.90	22.80	20.02	19.91	19.95	21.80	

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		31.18	31.18	31.20	32.30	22.18	22.18	22.20	23.30
GPRS 1 Tx slot		31.17	31.17	31.19	32.30	22.17	22.17	22.19	23.30
GPRS 2 Tx slots		28.84	28.85	28.68	29.30	22.84	22.85	22.68	23.30
GPRS 3 Tx slots		26.73	26.78	26.67	27.30	22.47	22.52	22.41	23.64
GPRS 4 Tx slots		25.75	25.76	25.58	26.30	22.75	22.76	22.58	23.30
EDGE(GMSK 1 Tx slot)		31.08	31.15	31.09	32.30	22.08	22.15	22.09	23.30
EDGE(GMSK 2 Tx slot)		28.68	28.69	28.60	29.30	22.68	22.69	22.60	23.30
EDGE(GMSK 3 Tx slot)		26.71	26.68	26.59	27.30	22.45	22.42	22.33	23.64
EDGE(GMSK 4 Tx slot)		25.69	25.62	25.49	26.30	22.69	22.62	22.49	23.30
EDGE 1 Tx slot		24.98	25.01	25.10	26.80	15.98	16.01	16.10	17.80
EDGE 2 Tx slots		22.80	22.80	22.95	24.80	16.80	16.80	16.95	18.80
EDGE 3 Tx slots		20.97	20.89	20.94	22.30	16.71	16.63	16.68	18.04
EDGE 4 Tx slots		20.14	20.20	20.23	21.80	17.14	17.20	17.23	18.80

GSM1900_Ant 3	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot		28.58	28.82	28.71	29.80	19.58	19.82	19.71	20.80	
GPRS 1 Tx slot		28.69	28.88	28.82	29.80	19.69	19.88	19.82	20.80	
GPRS 2 Tx slots		25.87	25.99	25.90	26.80	19.87	19.99	19.90	20.80	
GPRS 3 Tx slots		24.02	24.21	24.12	25.80	19.76	19.95	19.86	20.74	
GPRS 4 Tx slots		22.81	22.98	22.85	23.80	19.81	19.98	19.85	20.80	
EDGE(GMSK 1 Tx slot)		28.58	28.80	28.79	29.80	19.58	19.80	19.79	20.80	
EDGE(GMSK 2 Tx slot)		25.87	25.92	25.87	26.80	19.87	19.92	19.87	20.80	
EDGE(GMSK 3 Tx slot)		23.94	24.16	24.06	25.80	19.68	19.90	19.80	20.74	
EDGE(GMSK 4 Tx slot)		22.69	22.83	22.72	23.80	19.69	19.83	19.72	20.80	
EDGE 1 Tx slot		25.60	25.62	25.65	27.30	16.60	16.62	16.65	18.30	
EDGE 2 Tx slots		22.80	22.91	22.80	24.80	16.80	16.91	16.80	18.80	
EDGE 3 Tx slots		20.98	21.22	20.97	22.80	16.70	16.96	16.71	18.54	
EDGE 4 Tx slots		20.35	20.39	20.30	22.30	17.35	17.39	17.30	19.30	

Band	WCDMA IV_Ant 4				Tune-up Limit (dBm)	WCDMA IV_Ant 3				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
Rx Channel		1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	24.11	24.07	24.16	24.80	18.72	18.72	18.71	18.80	
3GPP Rel 99	AMR 12.2Kbps	24.25	24.26	24.16	24.80	18.75	18.78	18.77	18.80	
3GPP Rel 6	HSRPA Subtest-1	23.26	23.24	23.15	23.80	18.69	18.69	18.68	18.80	
3GPP Rel 6	HSRPA Subtest-2	23.28	23.28	23.19	23.80	18.66	18.73	18.68	18.80	
3GPP Rel 6	HSRPA Subtest-3	22.85	22.81	22.66	23.30	18.60	18.66	18.61	18.80	
3GPP Rel 6	HSRPA Subtest-4	22.78	22.78	22.74	23.30	18.54	18.64	18.61	18.80	
3GPP Rel 8	DC-HSRPA Subtest-1	23.27	23.27	23.34	23.80	18.54	18.68	18.60	18.80	
3GPP Rel 8	DC-HSRPA Subtest-2	23.30	23.29	23.27	23.80	18.64	18.63	18.62	18.80	
3GPP Rel 8	DC-HSRPA Subtest-3	22.79	22.85	22.86	23.30	18.54	18.53	18.46	18.80	
3GPP Rel 8	DC-HSRPA Subtest-4	22.73	22.79	22.74	23.30	18.42	18.51	18.59	18.80	
3GPP Rel 6	HSUPA Subtest-1	21.34	21.35	21.33	21.80	18.74	18.71	18.71	18.80	
3GPP Rel 6	HSUPA Subtest-2	21.35	21.36	21.35	21.80	18.67	18.64	18.72	18.80	
3GPP Rel 6	HSUPA Subtest-3	22.37	22.38	22.35	22.80	18.64	18.64	18.71	18.80	
3GPP Rel 6	HSUPA Subtest-4	20.89	20.89	20.84	21.80	18.61	18.71	18.72	18.80	
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.30	22.80	18.68	18.63	18.66	18.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.32	21.32	21.21	22.80	18.72	18.70	18.67	18.80	

Band 2_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				18700	18900	19100						
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	23.11	23.12	23.04	23.8	0				
20	QPSK	1	49	22.98	23.02	22.99						
20	QPSK	1	99	22.85	22.90	22.88						
20	QPSK	50	0	22.22	22.24	22.10	22.8	1				
20	QPSK	50	24	22.10	22.15	22.02						
20	QPSK	50	50	21.97	22.01	22.01						
20	QPSK	100	0	22.09	22.14	22.03	22.8	1				
20	16QAM	1	0	22.40	22.41	22.35						
20	16QAM	1	49	22.36	22.42	22.28						
20	16QAM	1	99	22.31	22.37	22.31	21.8	2				
20	16QAM	50	0	21.05	21.12	21.01						
20	16QAM	50	24	21.02	21.11	21.10						
20	16QAM	50	50	21.00	21.11	20.98	20.8	3				
20	16QAM	100	0	20.98	21.12	21.05						
20	64QAM	1	0	21.31	21.34	21.33						
20	64QAM	1	49	21.28	21.32	21.19	21.8	2				
20	64QAM	1	99	21.15	21.26	21.25						
20	64QAM	50	0	20.04	20.13	20.07						
20	64QAM	50	24	19.96	20.11	20.03	20.8	3				
20	64QAM	50	50	19.84	20.09	19.98						
20	64QAM	100	0	20.00	20.04	20.04						
Channel				18975	18900	19025	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18975	18900	19025						
15	QPSK	1	0	23.05	23.08	23.00	23.8	0				
15	QPSK	1	37	22.93	22.88	22.86						
15	QPSK	1	74	22.73	22.87	22.82						
15	QPSK	36	0	22.07	22.23	22.09	22.8	1				
15	QPSK	36	20	21.95	22.01	21.98						
15	QPSK	36	39	21.84	22.03	21.95						
15	QPSK	75	0	22.00	22.09	22.02	22.8	1				
15	16QAM	1	0	22.34	22.32	22.20						
15	16QAM	1	37	22.26	22.28	22.26						
15	16QAM	1	74	22.23	22.29	22.17	21.8	2				
15	16QAM	36	0	20.99	21.10	20.98						
15	16QAM	36	20	20.96	21.07	20.98						
15	16QAM	36	39	20.91	20.99	20.95	21.8	2				
15	16QAM	75	0	20.96	20.98	20.96						
15	64QAM	1	0	21.22	21.21	21.19						
15	64QAM	1	37	21.14	21.28	21.17	21.8	2				
15	64QAM	1	74	21.01	21.20	21.16						
15	64QAM	36	0	20.00	19.99	19.93						
15	64QAM	36	20	19.90	20.02	19.97	20.8	3				
15	64QAM	36	39	19.85	19.94	19.89						
15	64QAM	75	0	19.96	20.08	19.98						
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18850	18800	19005						
10	QPSK	1	0	23.10	23.02	22.95	23.8	0				
10	QPSK	1	25	22.84	22.98	22.90						
10	QPSK	1	49	22.82	22.81	22.85						
10	QPSK	25	0	22.15	22.19	22.04	22.8	1				
10	QPSK	25	12	22.02	22.25	22.14						
10	QPSK	25	25	21.89	22.07	21.86						
10	QPSK	50	0	22.08	22.05	21.95	22.8	1				
10	16QAM	1	0	22.36	22.22	22.32						
10	16QAM	1	25	22.30	22.36	22.19						
10	16QAM	1	49	22.27	22.36	22.30	21.8	2				
10	16QAM	25	0	20.94	21.03	20.99						
10	16QAM	25	12	20.87	21.05	21.04						
10	16QAM	25	25	20.83	21.09	20.93	21.8	2				
10	16QAM	50	0	20.95	20.98	20.97						
10	64QAM	1	0	21.26	21.33	21.24						
10	64QAM	1	25	21.19	21.29	21.14	21.8	2				
10	64QAM	1	49	21.05	21.11	21.14						
10	64QAM	25	0	19.94	20.03	19.94						
10	64QAM	25	12	19.83	20.03	19.97	20.8	3				
10	64QAM	25	25	19.79	19.95	19.86						
10	64QAM	50	0	20.05	20.09	19.93						
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18625	18800	19075						
5	QPSK	1	0	23.00	23.10	22.98	23.8	0				
5	QPSK	1	24	22.94	22.81	22.93						
5	QPSK	1	24	22.80	22.76	22.80						
5	QPSK	12	0	22.08	22.10	21.99	22.8	1				
5	QPSK	12	7	22.05	22.01	21.99						
5	QPSK	12	13	21.89	22.01	21.90						
5	QPSK	25	0	22.04	21.99	21.96	22.8	1				
5	16QAM	1	0	22.25	22.33	22.27						
5	16QAM	1	12	22.27	22.35	22.16						
5	16QAM	1	24	22.29	22.31	22.21	21.8	2				
5	16QAM	12	0	20.91	20.97	20.94						
5	16QAM	12	7	21.01	21.06	21.05						
5	16QAM	12	13	20.89	20.96	20.96	21.8	2				
5	16QAM	25	0	20.93	21.08	20.96						
5	64QAM	1	0	21.20	21.27	21.22						
5	64QAM	1	12	21.20	21.17	21.05	21.8	2				
5	64QAM	1	24	21.01	21.19	21.17						
5	64QAM	12	0	20.00	20.03	20.06						
5	64QAM	12	7	19.92	20.06	19.91	20.8	3				
5	64QAM	12	13	19.83	19.97	19.97						
5	64QAM	25	0	20.01	20.09	19.99						
Channel				18515	18900	19185	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18515	18800	19085						
3	QPSK	1	0	23.06	23.05	23.03	23.8	0				
3	QPSK	1	8	22.84	22.95	22.98						
3	QPSK	1	14	22.73	22.84	22.74						
3	QPSK	8	0	22.10	22.11	22.03	22.8	1				
3	QPSK	8	4	22.05	22.13	22.01						
3	QPSK	8	7	21.96	22.08	21.90						
3	QPSK	15	0	21.94	22.05	21.90	22.8	1				
3	16QAM	1	0	22.39	22.38	22.32						
3	16QAM	1	8	22.34	22.28	22.13						
3	16QAM	1	14	22.17	22.34	22.20	21.8	2				
3	16QAM	8	0	20.96	21.07	20.87						
3	16QAM	8	4	21.00	21.00	20.95						
3	16QAM	8	7	20.90	20.97	20.88	21.8	2				
3	16QAM	15	0	20.88	21.11	20.91						
3	64QAM	1	0	21.17	21.21	21.20						
3	64QAM	1	8	21.15	21.19	21.15	21.8	2				
3	64QAM	1	14	21.12	21.23	21.22						
3	64QAM	8	0	19.96	20.03	19.99						

Band 4_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	23.90	23.92	23.89	25	0		
20	QPSK	1	49	23.71	23.82	23.78				
20	QPSK	1	99	23.60	23.66	23.54				
20	QPSK	50	0	22.84	22.87	22.86	24	1		
20	QPSK	50	24	22.82	22.86	22.85				
20	QPSK	50	50	22.77	22.83	22.75				
20	QPSK	100	0	22.74	22.85	22.73	24	1		
20	16QAM	1	0	23.00	23.09	23.07				
20	16QAM	1	49	23.07	23.09	23.04				
20	16QAM	1	99	22.93	22.95	22.83	23	2		
20	16QAM	50	0	21.68	21.83	21.81				
20	16QAM	50	24	21.74	21.85	21.83				
20	16QAM	50	50	21.77	21.81	21.76	23	2		
20	16QAM	100	0	21.77	21.85	21.77				
20	64QAM	1	0	22.03	22.04	21.96				
20	64QAM	1	49	21.82	21.97	21.86	23	2		
20	64QAM	1	99	21.76	21.88	21.79				
20	64QAM	50	0	20.77	20.85	20.72				
20	64QAM	50	24	20.76	20.88	20.87	22	3		
20	64QAM	50	50	20.73	20.85	20.74				
20	64QAM	100	0	20.83	20.86	20.85				
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	23.88	23.77	23.81	25	0		
15	QPSK	1	37	23.68	23.74	23.74				
15	QPSK	1	74	23.46	23.58	23.39				
15	QPSK	36	0	22.79	22.79	22.83	24	1		
15	QPSK	36	20	22.79	22.78	22.82				
15	QPSK	36	39	22.74	22.80	22.69				
15	QPSK	75	0	22.62	22.72	22.70	24	1		
15	16QAM	1	0	22.95	23.04	22.93				
15	16QAM	1	37	23.04	23.01	23.01				
15	16QAM	1	74	22.86	22.84	22.73	23	2		
15	16QAM	36	0	21.54	21.76	21.78				
15	16QAM	36	20	21.68	21.80	21.73				
15	16QAM	36	39	21.64	21.67	21.70	23	2		
15	16QAM	75	0	21.65	21.77	21.74				
15	64QAM	1	0	21.96	21.91	21.92				
15	64QAM	1	37	21.81	21.92	21.71	23	2		
15	64QAM	1	74	21.68	21.75	21.76				
15	64QAM	36	0	20.65	20.80	20.69				
15	64QAM	36	20	20.69	20.86	20.72	22	3		
15	64QAM	36	39	20.65	20.84	20.60				
15	64QAM	75	0	20.69	20.73	20.81				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	23.78	23.85	23.75	25	0		
10	QPSK	1	25	23.57	23.80	23.76				
10	QPSK	1	49	23.48	23.64	23.50				
10	QPSK	25	0	22.78	22.82	22.73	24	1		
10	QPSK	25	12	22.73	22.76	22.70				
10	QPSK	25	25	22.66	22.71	22.61				
10	QPSK	50	0	22.62	22.77	22.61	24	1		
10	16QAM	1	0	22.97	22.97	22.94				
10	16QAM	1	25	23.03	22.98	23.00				
10	16QAM	1	49	22.89	22.94	22.74	23	2		
10	16QAM	25	0	21.56	21.79	21.80				
10	16QAM	25	12	21.66	21.74	21.79				
10	16QAM	25	25	21.68	21.71	21.63	23	2		
10	16QAM	50	0	21.75	21.71	21.68				
10	64QAM	1	0	21.96	21.90	21.88				
10	64QAM	1	25	21.70	21.84	21.74	22	3		
10	64QAM	1	49	21.64	21.74	21.78				
10	64QAM	25	0	20.67	20.82	20.64				
10	64QAM	25	12	20.62	20.74	20.82	22	3		
10	64QAM	25	25	20.61	20.82	20.72				
10	64QAM	50	0	20.77	20.73	20.79				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	23.68	23.78	23.74	25	0		
5	QPSK	1	12	23.58	23.70	23.71				
5	QPSK	1	24	23.54	23.60	23.47				
5	QPSK	12	0	22.69	22.75	22.80	24	1		
5	QPSK	12	7	22.68	22.81	22.83				
5	QPSK	12	13	22.65	22.81	22.69				
5	QPSK	25	0	22.69	22.71	22.58	24	1		
5	16QAM	1	0	22.99	23.06	22.97				
5	16QAM	1	12	22.94	23.03	22.93				
5	16QAM	1	24	22.84	22.94	22.69	23	2		
5	16QAM	12	0	21.60	21.81	21.74				
5	16QAM	12	7	21.61	21.71	21.79				
5	16QAM	12	13	21.74	21.78	21.63	23	2		
5	16QAM	25	0	21.73	21.71	21.72				
5	64QAM	1	0	21.98	21.92	21.83				
5	64QAM	1	12	21.69	21.84	21.76	23	2		
5	64QAM	1	24	21.72	21.76	21.71				
5	64QAM	12	0	20.64	20.79	20.61				
5	64QAM	12	7	20.74	20.85	20.81	22	3		
5	64QAM	12	13	20.69	20.70	20.65				
5	64QAM	25	0	20.76	20.84	20.74				
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	23.86	23.90	23.79	25	0		
3	QPSK	1	8	23.59	23.77	23.63				
3	QPSK	1	14	23.51	23.61	23.50				
3	QPSK	8	0	22.77	22.78	22.76	24	1		
3	QPSK	8	4	22.77	22.76	22.73				
3	QPSK	8	7	22.63	22.78	22.63				
3	QPSK	15	0	22.68	22.70	22.66	24	1		
3	16QAM	1	0	22.99	23.04	22.96				
3	16QAM	1	8	22.96	23.04	23.00				
3	16QAM	1	14	22.86	22.83	22.79	23	2		
3	16QAM	8	0	21.65	21.80	21.72				
3	16QAM	8	4	21.67	21.75	21.74				
3	16QAM	8	7	21.64	21.79	21.74	23	2		
3	16QAM	15	0	21.75	21.76	21.68				
3	64QAM	1	0	21.90	22.03	21.88				
3	64QAM	1	8	21.72	21.91	21.85	23	2		
3	64QAM	1	14	21.66	21.80	21.70				
3	64QAM	8	0	20.69	20.79	20.57				
3	64QAM	8	4	20.66	20.82	20.74	22	3		
3	64QAM	8	7	20.70	20.77	20.66				
3	64QAM	15	0	20.70	20.81	20.71				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.81	23.78	23.80	25	0		
1.4	QPSK	1	3	23.69	23.72	23.74				
1.4	QPSK	1	5	23.58	23.59	23.46				
1.4	QPSK	3	0	23.75	23.64	23.74	24	1		
1.4	QPSK	3	1	23.56	23.62	23.63				
1.4	QPSK	3	3	23.52	23.48	23.41				
1.4	QPSK	6	0	22.63	22.84	22.67	24	1		
1.4	16QAM	1	0	22.88	22.95					

Band 5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.28	21.33	21.30	22.5	0	
10	QPSK	1	25	21.25	21.32	21.19			
10	QPSK	1	49	21.15	21.25	21.27			
10	QPSK	25	0	21.24	21.28	21.22	22.5	0	
10	QPSK	25	12	21.15	21.18	21.21			
10	QPSK	25	25	21.15	21.19	21.16			
10	QPSK	50	0	21.21	21.27	21.19	22.5	0	
10	16QAM	1	0	21.14	21.23	21.21			
10	16QAM	1	25	21.21	21.25	21.09			
10	16QAM	1	49	21.01	21.19	21.25	22.5	0	
10	16QAM	25	0	21.12	21.25	21.19			
10	16QAM	25	12	21.07	21.16	21.15			
10	16QAM	25	25	21.08	21.11	21.03	22.5	0	
10	16QAM	50	0	21.12	21.24	21.16			
10	64QAM	1	0	21.13	21.26	21.19			
10	64QAM	1	25	21.20	21.25	21.06	22.5	0	
10	64QAM	1	49	21.02	21.11	21.24			
10	64QAM	25	0	20.65	20.75	20.66			
10	64QAM	25	12	20.77	20.70	20.70	22	0.5	
10	64QAM	25	25	20.55	20.76	20.64			
10	64QAM	50	0	20.72	20.72	20.66			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.19	21.29	21.24	22.5	0	
5	QPSK	1	12	21.19	21.28	21.15			
5	QPSK	1	24	21.14	21.18	21.22			
5	QPSK	12	0	21.18	21.24	21.14	22.5	0	
5	QPSK	12	7	21.08	21.05	21.11			
5	QPSK	12	13	21.02	21.17	21.12			
5	QPSK	25	0	21.15	21.16	21.11	22.5	0	
5	16QAM	1	0	21.07	21.22	21.14			
5	16QAM	1	12	21.10	21.24	20.94			
5	16QAM	1	24	20.97	21.06	21.10	22.5	0	
5	16QAM	12	0	21.01	21.20	21.17			
5	16QAM	12	7	20.98	21.14	21.01			
5	16QAM	12	13	20.98	21.09	21.00	22.5	0	
5	16QAM	25	0	21.03	21.19	21.06			
5	64QAM	1	0	21.01	21.22	21.10			
5	64QAM	1	12	21.10	21.24	20.92	22.5	0	
5	64QAM	1	24	20.88	20.86	21.21			
5	64QAM	12	0	20.57	20.60	20.55			
5	64QAM	12	7	20.64	20.69	20.60	22	0.5	
5	64QAM	12	13	20.47	20.71	20.53			
5	64QAM	25	0	20.59	20.61	20.53			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.27	21.28	21.15	22.5	0	
3	QPSK	1	8	21.21	21.22	21.16			
3	QPSK	1	14	21.04	21.10	21.17			
3	QPSK	8	0	21.09	21.19	21.08	22.5	0	
3	QPSK	8	4	21.01	21.16	21.11			
3	QPSK	8	7	21.00	21.13	21.09			
3	QPSK	15	0	21.18	21.24	21.18	22.5	0	
3	16QAM	1	0	21.07	21.08	21.12			
3	16QAM	1	8	21.08	21.18	20.95			
3	16QAM	1	14	21.00	21.14	21.14	22.5	0	
3	16QAM	8	0	21.09	21.11	21.17			
3	16QAM	8	4	21.04	21.05	21.14			
3	16QAM	8	7	21.02	20.96	20.97	22.5	0	
3	16QAM	15	0	21.03	21.15	21.13			
3	64QAM	1	0	21.07	21.22	21.13			
3	64QAM	1	8	21.10	21.14	20.99	22.5	0	
3	64QAM	1	14	20.94	21.03	21.22			
3	64QAM	8	0	20.51	20.63	20.60			
3	64QAM	8	4	20.76	20.60	20.62	22	0.5	
3	64QAM	8	7	20.40	20.62	20.53			
3	64QAM	15	0	20.62	20.70	20.59			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.21	21.31	21.19	22.5	0	
1.4	QPSK	1	3	21.20	21.28	21.12			
1.4	QPSK	1	5	21.10	21.24	21.14			
1.4	QPSK	3	0	21.09	21.20	21.15	22.5	0	
1.4	QPSK	3	1	21.13	21.06	21.19			
1.4	QPSK	3	3	21.03	21.08	21.11			
1.4	QPSK	6	0	21.10	21.15	21.10	22.5	0	
1.4	16QAM	1	0	21.06	21.19	21.11			
1.4	16QAM	1	3	21.09	21.15	21.04			
1.4	16QAM	1	5	20.98	21.13	21.12	22.5	0	
1.4	16QAM	3	0	21.04	21.24	21.04			
1.4	16QAM	3	1	21.02	21.15	21.03			
1.4	16QAM	3	3	21.05	21.09	20.94	22.5	0	
1.4	16QAM	6	0	21.05	21.10	21.10			
1.4	64QAM	1	0	21.02	21.25	21.14			
1.4	64QAM	1	3	21.11	21.15	20.94	22.5	0	
1.4	64QAM	1	5	20.87	21.06	21.05			
1.4	64QAM	3	0	21.18	21.18	21.27			
1.4	64QAM	3	1	21.11	21.25	21.07	22	0.5	
1.4	64QAM	3	3	21.03	21.21	21.24			
1.4	64QAM	6	0	20.70	20.62	20.51			

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.44	21.50	21.45	21.5	0	
10	QPSK	1	25	21.37	21.44	21.42			
10	QPSK	1	49	21.33	21.35	21.43			
10	QPSK	25	0	21.38	21.39	21.33	21.5	0	
10	QPSK	25	12	21.32	21.30	21.31			
10	QPSK	25	25	21.30	21.32	21.30			
10	QPSK	50	0	21.29	21.37	21.32	21.5	0	
10	16QAM	1	0	21.41	21.49	21.35			
10	16QAM	1	25	21.34	21.47	21.44			
10	16QAM	1	49	21.38	21.42	21.33	21.5	0	
10	16QAM	25	0	21.29	21.45	21.34			
10	16QAM	25	12	21.36	21.37	21.38			
10	16QAM	25	25	21.39	21.37	21.36	21.5	0	
10	16QAM	50	0	21.41	21.35	21.32			
10	64QAM	1	0	21.30	21.48	21.39			
10	64QAM	1	25	21.40	21.39	21.40	21.5	0	
10	64QAM	1	49	21.38	21.43	21.43			
10	64QAM	25	0	20.68	20.81	20.79			
10	64QAM	25	12	20.53	20.67	20.70	21	0.5	
10	64QAM	25	25	20.59	20.73	20.68			
10	64QAM	50	0	20.68	20.80	20.63			
Channel				20425	20505	20625	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				826.5	835.5	846.5			
5	QPSK	1	0	21.33	21.36	21.34	21.5	0	
5	QPSK	1	12	21.22	21.39	21.38			
5	QPSK	1	24	21.24	21.21	21.30			
5	QPSK	12	0	21.22	21.34	21.26	21.5	0	
5	QPSK	12	7	21.27	21.22	21.29			
5	QPSK	12	13	21.23	21.19	21.18			
5	QPSK	25	0	21.19	21.31	21.22	21.5	0	
5	16QAM	1	0	21.29	21.34	21.32			
5	16QAM	1	12	21.28	21.32	21.43			
5	16QAM	1	24	21.34	21.38	21.21	21.5	0	
5	16QAM	12	0	21.17	21.31	21.20			
5	16QAM	12	7	21.27	21.23	21.24			
5	16QAM	12	13	21.29	21.30	21.27	21.5	0	
5	16QAM	25	0	21.16	21.34	21.18			
5	64QAM	1	0	21.17	21.33	21.24			
5	64QAM	1	12	21.27	21.34	21.33	21.5	0	
5	64QAM	1	24	21.29	21.34	21.41			
5	64QAM	12	0	20.67	20.78	20.68			
5	64QAM	12	7	20.48	20.66	20.64	21	0.5	
5	64QAM	12	13	20.49	20.62	20.55			
5	64QAM	25	0	20.59	20.73	20.57			
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.32	21.48	21.45	21.5	0	
3	QPSK	1	8	21.33	21.37	21.27			
3	QPSK	1	14	21.23	21.24	21.30			
3	QPSK	8	0	21.35	21.32	21.24	21.5	0	
3	QPSK	8	4	21.22	21.24	21.24			
3	QPSK	8	7	21.24	21.24	21.16			
3	QPSK	15	0	21.26	21.25	21.30	21.5	0	
3	16QAM	1	0	21.32	21.42	21.31			
3	16QAM	1	8	21.29	21.39	21.34			
3	16QAM	1	14	21.29	21.36	21.32	21.5	0	
3	16QAM	8	0	21.18	21.34	21.32			
3	16QAM	8	4	21.12	21.23	21.33			
3	16QAM	8	7	21.28	21.24	21.25	21.5	0	
3	16QAM	15	0	21.27	21.31	21.31			
3	64QAM	1	0	21.26	21.47	21.35			
3	64QAM	1	8	21.35	21.27	21.31	21.5	0	
3	64QAM	1	14	21.30	21.32	21.37			
3	64QAM	8	0	20.67	20.74	20.68			
3	64QAM	8	4	20.41	20.62	20.55	21	0.5	
3	64QAM	8	7	20.26	20.66	20.53			
3	64QAM	15	0	20.63	20.79	20.49			
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.31	21.37	21.32	21.5	0	
1.4	QPSK	1	3	21.24	21.36	21.38			
1.4	QPSK	1	5	21.28	21.33	21.36			
1.4	QPSK	3	0	21.27	21.31	21.20	21.5	0	
1.4	QPSK	3	1	21.19	21.20	21.25			
1.4	QPSK	3	3	21.23	21.22	21.27			
1.4	QPSK	6	0	21.23	21.33	21.20	21.5	0	
1.4	16QAM	1	0	21.35	21.47	21.32			
1.4	16QAM	1	3	21.31	21.33	21.36			
1.4	16QAM	1	5	21.25	21.32	21.23	21.5	0	
1.4	16QAM	3	0	21.24	21.37	21.31			
1.4	16QAM	3	1	21.25	21.31	21.30			
1.4	16QAM	3	3	21.33	21.31	21.32	21.5	0	
1.4	16QAM	6	0	21.30	21.20	21.17			
1.4	64QAM	1	0	21.29	21.36	21.36			
1.4	64QAM	1	3	21.36	21.28	21.26	21.5	0	
1.4	64QAM	1	5	21.28	21.31	21.37			
1.4	64QAM	3	0	21.26	21.33	21.33			
1.4	64QAM	3	1	21.35	21.19	21.23	21	0	
1.4	64QAM	3	3	21.21	21.20	21.29			
1.4	64QAM	6	0	20.57	20.72	20.48			

Band 7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	17.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.01	17.07	17.04	17.5	0	
20	QPSK	1	49	16.87	16.92	16.91			
20	QPSK	1	99	16.98	16.96	16.90			
20	QPSK	50	0	16.99	17.00	16.97			
20	QPSK	50	24	16.96	16.88	16.92	17.5	0	
20	QPSK	50	50	16.88	16.91	16.92			
20	QPSK	100	0	16.92	16.97	16.88			
20	16QAM	1	0	16.90	16.97	16.97			
20	16QAM	1	49	16.91	16.98	16.99	17.5	0	
20	16QAM	1	99	16.97	16.95	16.91			
20	16QAM	50	0	16.90	16.98	16.89			
20	16QAM	50	24	16.88	16.97	17.02			
20	16QAM	50	50	17.00	16.90	16.98	17.5	0	
20	16QAM	100	0	16.96	16.93	16.93			
20	64QAM	1	0	17.00	16.98	17.02			
20	64QAM	1	49	16.95	16.92	17.00	17.5	0	
20	64QAM	1	99	16.96	16.88	17.01			
20	64QAM	50	0	16.92	16.98	16.94			
20	64QAM	50	24	16.87	17.00	16.99			
20	64QAM	50	50	16.95	16.92	17.02	17.5	0	
20	64QAM	100	0	16.89	16.87	16.93			
Channel				20825	21100	21375	17.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.94	17.06	16.96	17.5	0	
15	QPSK	1	37	16.76	16.84	16.80			
15	QPSK	1	74	16.97	16.89	16.75			
15	QPSK	36	0	16.88	16.89	16.89			
15	QPSK	36	20	16.84	16.80	16.83	17.5	0	
15	QPSK	36	39	16.86	16.81	16.88			
15	QPSK	75	0	16.78	16.90	16.86			
15	16QAM	1	0	16.76	16.87	16.94			
15	16QAM	1	37	16.79	16.92	16.97	17.5	0	
15	16QAM	1	74	16.87	16.88	16.82			
15	16QAM	36	0	16.83	16.95	16.78			
15	16QAM	36	20	16.87	16.91	16.93			
15	16QAM	36	39	16.88	16.83	16.90	17.5	0	
15	16QAM	75	0	16.93	16.81	16.89			
15	64QAM	1	0	16.92	16.95	16.89			
15	64QAM	1	37	16.89	16.87	16.86			
15	64QAM	1	74	16.81	16.87	16.94	17.5	0	
15	64QAM	36	0	16.91	16.86	16.86			
15	64QAM	36	20	16.77	16.85	16.94			
15	64QAM	36	39	16.82	16.81	16.89			
15	64QAM	75	0	16.79	16.84	16.89	17.5	0	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565	17.5	0	
10	QPSK	1	0	16.91	16.94	16.90			
10	QPSK	1	25	16.76	16.80	16.86	17.5	0	
10	QPSK	1	49	16.84	16.81	16.84			
10	QPSK	25	0	16.86	16.86	16.93			
10	QPSK	25	12	16.83	16.75	16.81			
10	QPSK	25	25	16.74	16.90	16.84	17.5	0	
10	QPSK	50	0	16.88	16.87	16.79			
10	16QAM	1	0	16.77	16.83	16.82			
10	16QAM	1	25	16.78	16.91	16.98			
10	16QAM	1	49	16.92	16.90	16.79	17.5	0	
10	16QAM	25	0	16.84	16.85	16.77			
10	16QAM	25	12	16.76	16.84	16.88			
10	16QAM	25	25	16.88	16.89	16.83			
10	16QAM	50	0	16.95	16.80	16.80	17.5	0	
10	64QAM	1	0	16.93	16.90	17.01			
10	64QAM	1	25	16.93	16.79	16.88			
10	64QAM	1	49	16.82	16.83	16.95			
10	64QAM	25	0	16.83	16.93	16.86	17.5	0	
10	64QAM	25	12	16.75	16.85	16.98			
10	64QAM	25	25	16.86	16.86	16.89			
10	64QAM	50	0	16.85	16.84	16.78			
Channel				20775	21100	21425	17.5	0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.98	16.98	17.00	17.5	0	
5	QPSK	1	12	16.79	16.89	16.76			
5	QPSK	1	24	16.97	16.81	16.81			
5	QPSK	12	0	16.84	16.97	16.85			
5	QPSK	12	7	16.86	16.85	16.79	17.5	0	
5	QPSK	12	13	16.82	16.76	16.84			
5	QPSK	25	0	16.88	16.88	16.81			
5	16QAM	1	0	16.79	16.92	16.92			
5	16QAM	1	12	16.80	16.92	16.94	17.5	0	
5	16QAM	1	24	16.94	16.84	16.85			
5	16QAM	12	0	16.81	16.92	16.84			
5	16QAM	12	7	16.77	16.82	16.97			
5	16QAM	12	13	16.99	16.75	16.85	17.5	0	
5	16QAM	25	0	16.83	16.85	16.85			
5	64QAM	1	0	16.85	16.95	16.97			
5	64QAM	1	12	16.93	16.84	16.86			
5	64QAM	1	24	16.86	16.82	16.87	17.5	0	
5	64QAM	12	0	16.83	16.83	16.83			
5	64QAM	12	7	16.73	16.95	16.91			
5	64QAM	12	13	16.84	16.91	16.92			
5	64QAM	25	0	16.78	16.86	16.86	17.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	17.5	0	
5	QPSK	1	0	16.92	16.92	16.79			
5	QPSK	1	12	16.86	16.85	16.77	21.5	0	
5	QPSK	1	24	16.88	16.92	16.81			
5	QPSK	12	0	16.89	16.95	16.82			
5	QPSK	12	7	16.73	16.90	16.75			
5	QPSK	12	13	16.79	16.85	16.71	21.5	0	
5	QPSK	25	0	16.83	16.89	16.86			
5	16QAM	1	0	16.81	16.96	16.74			
5	16QAM	1	12	16.83	16.90	16.75			
5	16QAM	1	24	16.82	16.89	16.72	21	0.5	
5	16QAM	12	0	16.56	16.66	16.62			
5	16QAM	12	7	16.73	16.78	16.60			
5	16QAM	12	13	16.81	16.75	16.69			
5	16QAM	25	0	16.78	16.68	16.71	21	0.5	
5	64QAM	1	0	16.16	16.17	16.06			
5	64QAM	1	12	16.20	16.29	16.29			
5	64QAM	1	24	16.35	16.40	16.25			
5	64QAM	12	0	16.40	16.60	16.64	20	1.5	
5	64QAM	12	7	16.65	16.72	16.80			
5	64QAM	12	13	16.60	16.70	16.74			
5	64QAM	25	0	16.78	16.68	16.71			

Band 7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	21.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.90	20.02	19.93	21.5	0	
20	QPSK	1	49	19.94	19.90	19.88			
20	QPSK	1	99	19.91	19.96	19.85			
20	QPSK	50	0	19.95	20.01	19.84			
20	QPSK	50	24	19.84	19.99	19.82	21.5	0	
20	QPSK	50	50	19.88	19.88	19.78			
20	QPSK	100	0	19.89	19.95	19.91			
20	16QAM	1	0	19.96	20.01	19.86			
20	16QAM	1	49	19.90	19.92	19.84	21.5	0	
20	16QAM	1	99	19.87	20.00	19.86			
20	16QAM	50	0	19.88	19.78	19.74			
20	16QAM	50	24	19.80	19.82	19.66			
20	16QAM	50	50	19.83	19.85	19.76	21	0.5	
20	16QAM	100	0	19.68	19.74	19.65			
20	64QAM	1	0	19.17	19.26	19.18			
20	64QAM	1	49	19.35	19.35	19.40			
20	64QAM	1	99	19.36	19.51	19.32	21	0.5	
20	64QAM	50	0	18.60	18.65	18.65			
20	64QAM	50	24	18.75	18.81	18.85			
20	64QAM	50	50	18.68	18.78	18.81			
20	64QAM	100	0	18.81	18.78	18.74	20	1.5	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535.5	2562.5			
15	QPSK	1	0	19.96	19.92	19.86			
15	QPSK	1	37	19.84	19.87	19.75			
15	QPSK	1	74	19.79	19.95	19.78			
15	QPSK	36	0	19.84	19.91	19.73			
15	QPSK	36	20	19.76	19.95	19.67	21.5	0	
15	QPSK	36	39	19.79	19.92	19.77			
15	QPSK	75	0	19.78	19.93	19.81			
15	16QAM	1	0	19.82	19.88	19.80			
15	16QAM	1	37	19.79	19.90	19.76	21.5	0	
15	16QAM	1	74	19.82	19.98	19.71			
15	16QAM	36	0	19.60	19.68	19.70			
15	16QAM	36	20	19.79	19.80	19.65			
15	16QAM	36	39	19.71	19.76	19.69	21	0.5	
15	16QAM	75	0	19.61	19.62	19.60			
15	64QAM	1	0	19.12	19.19	19.05			
15	64QAM	1	37	19.25	19.32	19.33			
15	64QAM	1	74	19.31	19.37	19.22	21	0.5	
15	64QAM	36	0	18.59	18.78	18.52			
15	64QAM	36	20	18.72	18.78	18.70			
15	64QAM	36	39	18.64	18.76	18.74			
15	64QAM	75	0	18.70	18.63	18.70	20	1.5	
Channel				20800	21100	21400			
Frequency (MHz)				2508	2535	2565			
10	QPSK	1	0	19.84	19.99	19.88			
10	QPSK	1	25	19.86	19.81	19.84			
10	QPSK	1	49	19.90	19.92	19.78			
10	QPSK	25	0	19.90	19.87	19.71			
10	QPSK	25	12	19.80	19.89	19.81	21.5	0	
10	QPSK	25	25	19.86	19.74	19.77			
10	QPSK	50	0	19.80	19.94	19.83			
10	16QAM	1	0	19.87	19.99	19.82			
10	16QAM	1	25	19.73	19.90	19.70	21.5	0	
10	16QAM	1	49	19.79	19.90	19.73			
10	16QAM	25	0	19.63	19.66	19.63			
10	16QAM	25	12	19.66	19.78	19.67			
10	16QAM	25	25	19.68	19.76	19.67	21	0.5	
10	16QAM	50	0	19.66	19.68	19.51			
10	64QAM	1	0	19.03	19.11	19.13			
10	64QAM	1	25	19.20	19.25	19.31			
10	64QAM	1	49	19.33	19.40	19.27	21	0.5	
10	64QAM	25	0	18.50	18.73	18.58			
10	64QAM	25	12	18.63	18.71	18.73			
10	64QAM	25	25	18.67	18.67	18.78			
10	64QAM	50	0	18.70	18.70	18.69	20	1.5	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.92	19.92	19.79			
5	QPSK	1	12	19.86	19.85	19.77			
5	QPSK	1	24	19.88	19.92	19.81			
5	QPSK	12	0	19.89	19.95	19.82			
5	QPSK	12	7	19.73	19.90	19.75	21.5	0	
5	QPSK	12	13	19.79	19.85	19.71			
5	QPSK	25	0	19.83	19.89	19.86			
5	16QAM	1	0	19.81	19.86	19.74			
5	16QAM	1	12	19.83	19.89	19.75	21.5	0	
5	16QAM	1	24	19.82	19.89	19.72			
5	16QAM	12	0	19.56	19.68	19.62			
5	16QAM	12	7	19.73	19.78	19.60			
5	16QAM	12	13	19.81	19.75	19.69	21	0.5	
5	16QAM	25	0	19.61	19.73	19.62			
5	64QAM	1	0	19.16	19.17	19.06			
5	64QAM	1	12	19.20	19.29	19.29			
5	64QAM	1	24	19.24	19.25	19.25	21	0.5	
5	64QAM	12	0	18.46	18.69	18.64			
5	64QAM	12	7	18.65	18.72	18.80			
5	64QAM	12	13	18.60	18.70	18.74			
5	64QAM	25	0	18.78	18.68	18.71	20	1.5	

Band 12_Ant 0													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				23060	23095	23130							
Frequency (MHz)				704	707.5	711							
10	QPSK	1	0	23.01	23.19	23.05	24	0					
10	QPSK	1	25	22.95	22.97	22.96							
10	QPSK	1	49	22.99	23.06	23.07							
10	QPSK	25	0	22.15	22.26	22.15	23	1					
10	QPSK	25	12	22.14	22.19	22.06							
10	QPSK	25	25	22.13	22.23	22.13							
10	QPSK	50	0	22.18	22.23	22.10	22	2					
10	16QAM	1	0	22.29	22.39	22.27							
10	16QAM	1	25	22.34	22.48	22.35							
10	16QAM	1	49	22.42	22.53	22.46	21	3					
10	16QAM	25	0	21.15	21.19	21.15							
10	16QAM	25	12	21.14	21.16	21.14							
10	16QAM	25	25	21.18	21.21	21.15							
10	16QAM	50	0	21.11	21.23	21.11							
10	64QAM	1	0	21.14	21.29	21.16	22	2					
10	64QAM	1	25	21.20	21.30	21.25							
10	64QAM	1	49	21.36	21.39	21.30							
10	64QAM	25	0	20.08	20.18	20.07	21	3					
10	64QAM	25	12	20.07	20.16	20.11							
10	64QAM	25	25	20.13	20.21	20.06							
10	64QAM	50	0	20.10	20.21	20.14	Tune-up limit (dBm) MPR (dB)						
Channel				23035	23095	23155							
Frequency (MHz)				701.5	707.5	713.5							
5	QPSK	1	0	22.98	23.16	23.03	24	0					
5	QPSK	1	12	22.89	22.82	22.84							
5	QPSK	1	24	22.91	23.05	22.93							
5	QPSK	12	0	22.03	22.24	22.03	23	1					
5	QPSK	12	7	22.09	22.16	21.92							
5	QPSK	12	13	22.07	22.13	22.12							
5	QPSK	25	0	22.09	22.10	22.06	23	1					
5	16QAM	1	0	22.27	22.38	22.12							
5	16QAM	1	12	22.23	22.39	22.30							
5	16QAM	1	24	22.32	22.50	22.31	22	2					
5	16QAM	12	0	21.12	21.14	21.03							
5	16QAM	12	7	21.08	21.10	21.13							
5	16QAM	12	13	21.10	21.12	21.10	22	2					
5	16QAM	25	0	21.07	21.17	21.07							
5	64QAM	1	0	21.06	21.20	21.09							
5	64QAM	1	12	21.16	21.17	21.13	22	2					
5	64QAM	1	24	21.31	21.26	21.19							
5	64QAM	12	0	20.01	20.17	20.04							
5	64QAM	12	7	20.06	20.14	20.02	21	3					
5	64QAM	12	13	20.08	20.18	20.04							
5	64QAM	25	0	20.00	20.06	20.01							
Channel				23025	23095	23165	Tune-up limit (dBm) MPR (dB)						
Frequency (MHz)				700.5	707.5	714.5							
3	QPSK	1	0	22.91	23.07	23.05	24	0					
3	QPSK	1	8	22.93	22.87	22.84							
3	QPSK	1	14	22.97	22.95	22.93							
3	QPSK	8	0	22.11	22.18	22.03	23	1					
3	QPSK	8	4	22.04	22.05	22.05							
3	QPSK	8	7	22.11	22.14	22.07							
3	QPSK	15	0	22.11	22.13	21.99	23	1					
3	16QAM	1	0	22.17	22.32	22.20							
3	16QAM	1	8	22.32	22.44	22.21							
3	16QAM	1	14	22.30	22.44	22.32	22	2					
3	16QAM	8	0	21.05	21.11	21.04							
3	16QAM	8	4	21.09	21.06	21.13							
3	16QAM	8	7	21.08	21.15	21.13	22	2					
3	16QAM	15	0	21.04	21.14	21.02							
3	64QAM	1	0	21.11	21.18	21.15							
3	64QAM	1	8	21.06	21.27	21.11	22	2					
3	64QAM	1	14	21.25	21.31	21.16							
3	64QAM	8	0	19.96	20.16	20.02							
3	64QAM	8	4	19.95	20.15	19.98	21	3					
3	64QAM	8	7	19.98	20.12	20.00							
3	64QAM	15	0	20.05	20.18	20.09							
Channel				23017	23095	23173	Tune-up limit (dBm) MPR (dB)						
Frequency (MHz)				699.7	707.5	715.3							
1.4	QPSK	1	0	22.98	23.11	23.07	24	0					
1.4	QPSK	1	3	22.90	22.83	22.89							
1.4	QPSK	1	5	22.88	22.95	23.04							
1.4	QPSK	3	0	22.91	23.13	22.97	23	1					
1.4	QPSK	3	1	22.90	22.89	22.82							
1.4	QPSK	3	3	22.92	22.95	22.97							
1.4	QPSK	6	0	22.09	22.20	21.96	23	1					
1.4	16QAM	1	0	22.20	22.26	22.13							
1.4	16QAM	1	3	22.26	22.45	22.27							
1.4	16QAM	1	5	22.36	22.41	22.32	23	1					
1.4	16QAM	3	0	22.16	22.17	22.08							
1.4	16QAM	3	1	22.11	22.42	22.17							
1.4	16QAM	3	3	22.33	22.28	22.27	22	2					
1.4	16QAM	6	0	21.04	21.18	21.02							
1.4	64QAM	1	0	21.09	21.20	21.14							
1.4	64QAM	1	3	21.05	21.28	21.17	22	2					
1.4	64QAM	1	5	21.35	21.28	21.22							
1.4	64QAM	3	1	21.04	21.24	21.06							
1.4	64QAM	3	3	21.34	21.15	21.09	21	3					
1.4	64QAM	6	0	19.96	20.12	20.13							

Band 13_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.66		23.8	0		
10	QPSK	1	25		22.65					
10	QPSK	1	49		22.64					
10	QPSK	25	0		21.65		22.8	1		
10	QPSK	25	12		21.64					
10	QPSK	25	25		21.64					
10	QPSK	50	0		21.64		22.8	1		
10	16QAM	1	0		21.95					
10	16QAM	1	25		21.95					
10	16QAM	1	49		21.92		21.8	2		
10	16QAM	25	0		20.62					
10	16QAM	25	12		20.63					
10	16QAM	25	25		20.63		21.8	2		
10	16QAM	50	0		20.63					
10	64QAM	1	0		20.88					
10	64QAM	1	25		20.82		20.8	2		
10	64QAM	1	49		20.79					
10	64QAM	25	0		19.62					
10	64QAM	25	12		19.62		20.8	3		
10	64QAM	25	25		19.67					
10	64QAM	50	0		19.61					
Channel				23205	23220	23255				
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.54	22.65	22.52	23.8	0		
5	QPSK	1	12	22.55	22.54	22.63				
5	QPSK	1	24	22.53	22.61	22.53				
5	QPSK	12	0	21.62	21.57	21.51	22.8	1		
5	QPSK	12	7	21.51	21.52	21.54				
5	QPSK	12	13	21.56	21.57	21.61				
5	QPSK	25	0	21.50	21.61	21.50	22.8	1		
5	16QAM	1	0	21.93	21.85	21.92				
5	16QAM	1	12	21.84	21.82	21.82				
5	16QAM	1	24	21.87	21.92	21.77	22.8	1		
5	16QAM	12	0	20.56	20.51	20.54				
5	16QAM	12	7	20.61	20.54	20.48				
5	16QAM	12	13	20.62	20.57	20.61	21.8	2		
5	16QAM	25	0	20.54	20.54	20.54				
5	64QAM	1	0	20.77	20.77	20.85				
5	64QAM	1	12	20.68	20.67	20.75	21.8	2		
5	64QAM	1	24	20.68	20.65	20.65				
5	64QAM	12	0	19.61	19.56	19.49				
5	64QAM	12	7	19.61	19.63	19.50	20.8	3		
5	64QAM	12	13	19.63	19.54	19.61				
5	64QAM	25	0	19.57	19.51	19.53				

Band 17_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.76	23.86	23.78	25	0		
10	QPSK	1	25	23.65	23.81	23.74				
10	QPSK	1	49	23.75	23.85	23.74				
10	QPSK	25	0	22.91	22.99	22.85	24	1		
10	QPSK	25	12	22.80	22.95	22.88				
10	QPSK	25	25	22.78	22.97	22.87				
10	QPSK	50	0	22.86	22.98	22.80	24	1		
10	16QAM	1	0	23.13	23.28	23.20				
10	16QAM	1	25	23.18	23.28	23.19				
10	16QAM	1	49	23.28	23.29	23.25	23	2		
10	16QAM	25	0	21.86	21.98	21.89				
10	16QAM	25	12	21.84	21.93	21.79				
10	16QAM	25	25	21.90	21.97	21.94	23	2		
10	16QAM	50	0	21.90	21.98	21.89				
10	64QAM	1	0	22.06	22.12	22.06				
10	64QAM	1	25	21.98	22.09	22.08	23	2		
10	64QAM	1	49	21.99	22.12	22.00				
10	64QAM	25	0	20.91	20.97	20.83				
10	64QAM	25	12	20.86	20.91	20.80	22	3		
10	64QAM	25	25	20.87	20.97	20.96				
10	64QAM	50	0	20.90	20.94	20.88				
Channel				23765	23790	23825	Tune-up limit (dBm) MPR (dB)			
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.74	23.78	23.68	25	0		
5	QPSK	1	12	23.61	23.68	23.60				
5	QPSK	1	24	23.60	23.74	23.73				
5	QPSK	12	0	22.83	22.94	22.80	24	1		
5	QPSK	12	7	22.77	22.88	22.84				
5	QPSK	12	13	22.65	22.84	22.83				
5	QPSK	25	0	22.78	22.85	22.71	24	1		
5	16QAM	1	0	23.09	23.27	23.17				
5	16QAM	1	12	23.15	23.14	23.04				
5	16QAM	1	24	23.18	23.23	23.13	23	2		
5	16QAM	12	0	21.78	21.89	21.77				
5	16QAM	12	7	21.78	21.80	21.66				
5	16QAM	12	13	21.84	21.86	21.86	23	2		
5	16QAM	25	0	21.76	21.94	21.78				
5	64QAM	1	0	21.92	22.04	21.95				
5	64QAM	1	12	21.88	22.04	21.94	23	2		
5	64QAM	1	24	21.97	21.99	21.86				
5	64QAM	12	0	20.87	20.96	20.74				
5	64QAM	12	7	20.83	20.87	20.79	22	3		
5	64QAM	12	13	20.72	20.92	20.83				
5	64QAM	25	0	20.79	20.88	20.81				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.03	23.07	22.99	24	0		
10	QPSK	1	25	22.85	22.87	22.83				
10	QPSK	1	49	22.85	23.06	22.93				
10	QPSK	25	0	22.21	22.27	22.17	23	1		
10	QPSK	25	12	22.00	22.17	22.00				
10	QPSK	25	25	22.07	22.24	22.15				
10	QPSK	50	0	22.19	22.23	22.17	23	1		
10	16QAM	1	0	22.47	22.51	22.47				
10	16QAM	1	25	22.40	22.49	22.38				
10	16QAM	1	49	22.35	22.47	22.32	22	2		
10	16QAM	25	0	21.05	21.19	21.12				
10	16QAM	25	12	21.02	21.16	21.14				
10	16QAM	25	25	21.11	21.24	21.18	22	2		
10	16QAM	50	0	21.09	21.19	21.13				
10	64QAM	1	0	21.34	21.38	21.36				
10	64QAM	1	25	21.29	21.34	21.29	22	2		
10	64QAM	1	49	21.33	21.37	21.31				
10	64QAM	25	0	20.14	20.20	20.08				
10	64QAM	25	12	20.08	20.15	20.06	21	3		
10	64QAM	25	25	20.15	20.23	20.15				
10	64QAM	50	0	20.11	20.22	20.17				
Channel				23765	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	22.90	23.03	22.94	24	0		
5	QPSK	1	12	22.71	22.76	22.79				
5	QPSK	1	24	22.79	22.95	22.88				
5	QPSK	12	0	22.18	22.13	22.11	23	1		
5	QPSK	12	7	21.95	22.14	21.92				
5	QPSK	12	13	22.04	22.10	22.13				
5	QPSK	25	0	22.16	22.15	22.11	23	1		
5	16QAM	1	0	22.38	22.36	22.44				
5	16QAM	1	12	22.34	22.47	22.32				
5	16QAM	1	24	22.24	22.36	22.24	22	2		
5	16QAM	12	0	21.03	21.04	21.07				
5	16QAM	12	7	20.88	21.10	21.05				
5	16QAM	12	13	21.02	21.19	21.13	22	2		
5	16QAM	25	0	20.97	21.16	21.07				
5	64QAM	1	0	21.20	21.35	21.23				
5	64QAM	1	12	21.25	21.26	21.28	22	2		
5	64QAM	1	24	21.29	21.36	21.28				
5	64QAM	12	0	20.13	20.09	20.07				
5	64QAM	12	7	20.05	20.06	19.96	21	3		
5	64QAM	12	13	20.08	20.21	20.05				
5	64QAM	25	0	20.08	20.12	20.03				

Band 26_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	21.40	21.50	21.44	22.5	0		
15	QPSK	1	37	21.34	21.39	21.33				
15	QPSK	1	74	21.38	21.37	21.34				
15	QPSK	36	0	21.36	21.45	21.42	22.5	0		
15	QPSK	36	20	21.31	21.44	21.33				
15	QPSK	36	39	21.25	21.37	21.40				
15	QPSK	75	0	21.30	21.37	21.30	22.5	0		
15	16QAM	1	0	21.25	21.36	21.40				
15	16QAM	1	37	21.31	21.24	21.31				
15	16QAM	1	74	21.30	21.45	21.40	22.5	0		
15	16QAM	36	0	21.37	21.41	21.31				
15	16QAM	36	20	21.21	21.38	21.20				
15	16QAM	36	39	21.34	21.22	21.30	22	0.5		
15	16QAM	75	0	21.28	21.30	21.32				
15	64QAM	1	0	21.28	21.31	21.31				
15	64QAM	1	37	21.17	21.25	21.34	22.5	0		
15	64QAM	1	74	21.26	21.28	21.28				
15	64QAM	36	0	20.79	20.86	20.94				
15	64QAM	36	20	20.96	20.90	20.76	22	0.5		
15	64QAM	36	39	20.83	20.92	20.86				
15	64QAM	75	0	20.95	20.99	20.88				
Channel				26760	26865	26990				
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	21.39	21.37	21.36	22.5	0		
10	QPSK	1	25	21.33	21.28	21.27				
10	QPSK	1	49	21.36	21.28	21.30				
10	QPSK	25	0	21.25	21.32	21.32	22.5	0		
10	QPSK	25	12	21.18	21.39	21.31				
10	QPSK	25	25	21.23	21.23	21.36				
10	QPSK	50	0	21.15	21.25	21.16	22.5	0		
10	16QAM	1	0	21.15	21.21	21.29				
10	16QAM	1	25	21.29	21.10	21.23				
10	16QAM	1	49	21.16	21.44	21.26	22.5	0		
10	16QAM	25	0	21.33	21.38	21.26				
10	16QAM	25	12	21.06	21.33	21.15				
10	16QAM	25	25	21.18	21.21	21.27	22.5	0		
10	16QAM	50	0	21.20	21.18	21.17				
10	64QAM	1	0	21.21	21.17	21.21				
10	64QAM	1	25	21.09	21.22	21.31	22.5	0		
10	64QAM	1	49	21.17	21.19	21.24				
10	64QAM	25	0	20.67	20.75	20.83				
10	64QAM	25	12	20.95	20.86	20.71	22	0.5		
10	64QAM	25	25	20.79	20.91	20.83				
10	64QAM	50	0	20.83	20.90	20.91				
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	21.36	21.35	21.37	22.5	0		
5	QPSK	1	12	21.23	21.35	21.27				
5	QPSK	1	24	21.29	21.34	21.24				
5	QPSK	12	0	21.28	21.36	21.29	22.5	0		
5	QPSK	12	7	21.22	21.39	21.23				
5	QPSK	12	13	21.23	21.22	21.34				
5	QPSK	25	0	21.15	21.23	21.19	22.5	0		
5	16QAM	1	0	21.21	21.26	21.30				
5	16QAM	1	12	21.23	21.21	21.18				
5	16QAM	1	24	21.16	21.41	21.37	22.5	0		
5	16QAM	12	0	21.32	21.30	21.16				
5	16QAM	12	7	21.12	21.30	21.11				
5	16QAM	12	13	21.21	21.18	21.29	22.5	0		
5	16QAM	25	0	21.22	21.16	21.19				
5	64QAM	1	0	21.22	21.18	21.16				
5	64QAM	1	12	21.16	21.11	21.23	22.5	0		
5	64QAM	1	24	21.19	21.17	21.20				
5	64QAM	12	0	20.77	20.82	20.88				
5	64QAM	12	7	20.93	20.86	20.69	22	0.5		
5	64QAM	12	13	20.75	20.86	20.72				
5	64QAM	25	0	20.90	20.91	20.87				
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	21.35	21.42	21.37	22.5	0		
3	QPSK	1	8	21.28	21.30	21.18				
3	QPSK	1	14	21.36	21.24	21.26				
3	QPSK	8	0	21.23	21.35	21.21	22.5	0		
3	QPSK	8	4	21.24	21.32	21.24				
3	QPSK	8	12	21.18	21.22	21.38				
3	QPSK	15	0	21.19	21.26	21.27	22.5	0		
3	16QAM	1	0	21.19	21.20	21.31				
3	16QAM	1	8	21.30	21.10	21.26				
3	16QAM	1	14	21.25	21.35	21.28	22.5	0		
3	16QAM	8	0	21.22	21.29	21.29				
3	16QAM	8	4	21.13	21.37	21.14				
3	16QAM	8	7	21.26	21.17	21.18	22.5	0		
3	16QAM	15	0	21.18	21.21	21.25				
3	64QAM	1	0	21.22	21.17	21.23				
3	64QAM	1	8	21.12	21.17	21.19	22.5	0		
3	64QAM	1	14	21.21	21.27	21.20				
3	64QAM	8	0	20.68	20.72	20.92				
3	64QAM	8	4	20.87	20.84	20.66	22	0.5		
3	64QAM	8	7	20.81	20.77	20.82				
3	64QAM	15	0	20.81	20.94	20.92				
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	21.29	21.44	21.43	22.5	0		
1.4	QPSK	1	0	21.30	21.30	21.28				
1.4	QPSK	1	5	21.33	21.47	21.36				
1.4	QPSK	3	0	21.33	21.45	21.40	22.5	0		
1.4	QPSK	3	1	21.21	21.29	21.21				
1.4	QPSK	3	3	21.32	21.27	21.28				
1.4	QPSK	6	0	21.26	21.38	21.34	22.5	0		
1.4	16QAM	1	0	21.17	21.42	21.32				
1.4	16QAM	1	3	21.10	21.32	21.37				
1.4	16QAM	1	5	21.17	21.21	21.17	22.5	0		
1.4	16QAM	3	0	21.10	21.21	21.39				
1.4	16QAM	3	1	21.24	21.14	21.24				
1.4	16QAM	3	3	21.21	21.35	21.33	22.5	0		
1.4	16QAM	6	0	21.26	21.29	21.28				
1.4	64QAM	1	0	21.16	21.32	21.18				
1.4	64QAM	1	3	21.33	21.10	21.20	22.5	0		
1.4	64QAM	1	5	21.20	21.23	21.30				
1.4	64QAM	3	0	21.15	21.24	21.16				
1.4	64QAM	3	1	21.02	21.23	21.20	22	0.5		
1.4	64QAM	3	3	21.15	21.21	21.17				
1.4	64QAM	6	0	20.90	20.90	20.93				

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.94	22.00	21.90	23	0	0
15	QPSK	1	37	21.89	21.88	21.76			
15	QPSK	1	74	21.82	21.98	21.77			
15	QPSK	36	0	21.62	21.72	21.63	23	0	0
15	QPSK	36	20	21.60	21.61	21.52			
15	QPSK	36	39	21.49	21.58	21.53			
15	QPSK	75	0	21.51	21.62	21.59	23	0	0
15	16QAM	1	0	21.89	21.90	21.96			
15	16QAM	1	37	21.87	21.99	21.88			
15	16QAM	1	74	21.79	21.91	21.80	22	1	0
15	16QAM	36	0	20.67	20.69	20.59			
15	16QAM	36	20	20.58	20.68	20.64			
15	16QAM	36	39	20.73	20.68	20.77	22	1	0
15	16QAM	75	0	20.68	20.78	20.80			
15	64QAM	1	0	20.79	20.78	20.75			
15	64QAM	1	37	20.83	20.81	20.80	22	1	0
15	64QAM	1	74	20.74	20.79	20.78			
15	64QAM	36	0	19.52	19.74	19.55			
15	64QAM	36	20	19.72	19.76	19.76	21	2	0
15	64QAM	36	39	19.74	19.78	19.64			
15	64QAM	75	0	19.65	19.71	19.64			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.93	21.94	21.84	23	0	0
10	QPSK	1	25	21.84	21.87	21.72			
10	QPSK	1	49	21.73	21.93	21.73			
10	QPSK	25	0	21.50	21.61	21.62	23	0	0
10	QPSK	25	12	21.48	21.51	21.44			
10	QPSK	25	25	21.38	21.46	21.51			
10	QPSK	50	0	21.37	21.53	21.51	23	0	0
10	16QAM	1	0	21.74	21.97	21.81			
10	16QAM	1	25	21.75	21.97	21.77			
10	16QAM	1	49	21.70	21.83	21.68	22	1	0
10	16QAM	25	0	20.58	20.56	20.56			
10	16QAM	25	12	20.50	20.70	20.61			
10	16QAM	25	25	20.68	20.59	20.75	22	1	0
10	16QAM	50	0	20.63	20.77	20.65			
10	64QAM	1	0	20.74	20.77	20.73			
10	64QAM	1	25	20.72	20.79	20.76	22	1	0
10	64QAM	1	49	20.63	20.71	20.64			
10	64QAM	25	0	19.51	19.73	19.41			
10	64QAM	25	12	19.63	19.65	19.62	21	2	0
10	64QAM	25	25	19.62	19.71	19.54			
10	64QAM	50	0	19.56	19.64	19.49			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.85	21.92	21.83	23	0	0
5	QPSK	1	12	21.74	21.82	21.75			
5	QPSK	1	24	21.74	21.94	21.75			
5	QPSK	12	0	21.49	21.65	21.55	23	0	0
5	QPSK	12	7	21.53	21.56	21.43			
5	QPSK	12	13	21.43	21.55	21.38			
5	QPSK	25	0	21.37	21.55	21.49	23	0	0
5	16QAM	1	0	21.84	21.93	21.86			
5	16QAM	1	12	21.77	21.87	21.86			
5	16QAM	1	24	21.66	21.89	21.65	22	1	0
5	16QAM	12	0	20.55	20.65	20.55			
5	16QAM	12	7	20.44	20.69	20.63			
5	16QAM	12	13	20.68	20.62	20.65	22	1	0
5	16QAM	25	0	20.57	20.72	20.67			
5	64QAM	1	0	20.76	20.63	20.66			
5	64QAM	1	12	20.73	20.68	20.73	22	1	0
5	64QAM	1	24	20.61	20.64	20.67			
5	64QAM	12	0	19.48	19.65	19.52			
5	64QAM	12	7	19.65	19.75	19.64	21	2	0
5	64QAM	12	13	19.61	19.71	19.58			
5	64QAM	25	0	19.52	19.61	19.53			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.92	21.85	21.77	23	0	0
3	QPSK	1	8	21.76	21.83	21.67			
3	QPSK	1	14	21.76	21.96	21.70			
3	QPSK	8	0	21.47	21.58	21.62	23	0	0
3	QPSK	8	4	21.57	21.59	21.44			
3	QPSK	8	7	21.45	21.47	21.43			
3	QPSK	15	0	21.50	21.49	21.53	23	0	0
3	16QAM	1	0	21.83	21.94	21.81			
3	16QAM	1	8	21.80	21.96	21.84			
3	16QAM	1	14	21.72	21.76	21.75	23	0	0
3	16QAM	8	0	20.54	20.63	20.44			
3	16QAM	8	4	20.46	20.73	20.59			
3	16QAM	8	7	20.70	20.58	20.75	22	1	0
3	16QAM	15	0	20.55	20.68	20.78			
3	64QAM	1	0	20.74	20.68	20.66			
3	64QAM	1	8	20.69	20.66	20.79	22	1	0
3	64QAM	1	14	20.60	20.75	20.72			
3	64QAM	8	0	19.40	19.64	19.44			
3	64QAM	8	4	19.62	19.62	19.65	21	2	0
3	64QAM	8	7	19.71	19.74	19.53			
3	64QAM	15	0	19.55	19.70	19.59			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.88	21.95	21.84	23	0	0
1.4	QPSK	1	3	21.86	21.82	21.62			
1.4	QPSK	1	5	21.77	21.88	21.74			
1.4	QPSK	3	0	21.54	21.58	21.58	23	0	0
1.4	QPSK	3	1	21.52	21.57	21.45			
1.4	QPSK	3	3	21.37	21.43	21.43			
1.4	QPSK	6	0	21.42	21.53	21.45	23	0	0
1.4	16QAM	1	0	21.81	21.96	21.85			
1.4	16QAM	1	3	21.85	21.91	21.78			
1.4	16QAM	1	5	21.72	21.89	21.65	23	0	0
1.4	16QAM	3	0	21.72	21.93	21.84			
1.4	16QAM	3	1	21.74	21.85	21.64			
1.4	16QAM	3	3	21.57	21.76	21.59	22	1	0
1.4	16QAM	6	0	20.63	20.69	20.77			
1.4	64QAM	1	0	20.74	20.65	20.63			
1.4	64QAM	1	3	20.78	20.74	20.69	22	1	0
1.4	64QAM	1	5	20.72	20.71	20.76			
1.4	64QAM	3	0	20.73	20.62	20.60			
1.4	64QAM	3	1	20.65	20.69	20.59	22	1	0
1.4	64QAM	3	3	20.58	20.57	20.68			
1.4	64QAM	6	0	19.50	19.67	19.54			

Band 66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.95	23.97	23.93	25	0	
20	QPSK	1	49	23.87	23.89	23.80			
20	QPSK	1	99	23.70	23.82	23.67			
20	QPSK	50	0	23.43	23.48	23.47	24	1	
20	QPSK	50	24	23.32	23.44	23.38			
20	QPSK	50	50	23.25	23.34	23.30			
20	QPSK	100	0	23.21	23.36	23.28	24	1	
20	16QAM	1	0	23.43	23.49	23.41			
20	16QAM	1	49	23.59	23.60	23.57			
20	16QAM	1	99	23.53	23.61	23.46	23	2	
20	16QAM	50	0	22.46	22.47	22.41			
20	16QAM	50	24	22.31	22.41	22.37			
20	16QAM	50	50	22.27	22.31	22.28	23	2	
20	16QAM	100	0	22.36	22.67	22.29			
20	16QAM	1	0	22.55	22.68	22.55			
20	64QAM	1	49	22.53	22.55	22.50	23	2	
20	64QAM	1	99	22.47	22.52	22.42			
20	64QAM	50	0	21.45	21.46	21.31			
20	64QAM	50	24	21.37	21.43	21.36	22	3	
20	64QAM	50	50	21.24	21.31	21.20			
20	64QAM	100	0	21.24	21.37	21.23			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.80	23.86	23.88	25	0	
15	QPSK	1	37	23.67	23.77	23.72			
15	QPSK	1	74	23.59	23.70	23.62			
15	QPSK	36	0	23.34	23.38	23.46	24	1	
15	QPSK	36	20	23.19	23.38	23.23			
15	QPSK	36	39	23.10	23.27	23.18			
15	QPSK	75	0	23.22	23.34	23.13	24	1	
15	16QAM	1	0	23.39	23.38	23.37			
15	16QAM	1	37	23.56	23.48	23.51			
15	16QAM	1	74	23.51	23.59	23.44	23	2	
15	16QAM	36	0	22.35	22.40	22.32			
15	16QAM	36	20	22.30	22.26	22.31			
15	16QAM	36	39	22.12	22.23	22.26	23	2	
15	16QAM	75	0	22.27	22.24	22.14			
15	64QAM	1	0	22.54	22.59	22.48			
15	64QAM	1	37	22.41	22.44	22.47	23	2	
15	64QAM	1	74	22.36	22.43	22.30			
15	64QAM	36	0	21.36	21.37	21.27			
15	64QAM	36	20	21.42	21.40	21.29	22	3	
15	64QAM	36	39	21.13	21.22	21.19			
15	64QAM	75	0	21.16	21.27	21.20			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.80	23.94	23.90	25	0	
10	QPSK	1	25	23.72	23.84	23.68			
10	QPSK	1	49	23.58	23.81	23.57			
10	QPSK	25	0	23.29	23.34	23.45	24	1	
10	QPSK	25	12	23.21	23.39	23.30			
10	QPSK	25	25	23.15	23.33	23.25			
10	QPSK	50	0	23.15	23.25	23.13	24	1	
10	16QAM	1	0	23.37	23.39	23.32			
10	16QAM	1	25	23.52	23.45	23.49			
10	16QAM	1	49	23.48	23.47	23.32	23	2	
10	16QAM	25	0	22.38	22.40	22.30			
10	16QAM	25	12	22.20	22.26	22.32			
10	16QAM	25	25	22.13	22.23	22.25	23	2	
10	16QAM	50	0	22.15	22.25	22.20			
10	64QAM	1	0	22.43	22.45	22.44			
10	64QAM	1	25	22.44	22.46	22.40	22	3	
10	64QAM	1	49	22.37	22.46	22.37			
10	64QAM	25	0	21.30	21.40	21.27			
10	64QAM	25	12	21.32	21.33	21.29	22	3	
10	64QAM	25	25	21.14	21.25	21.06			
10	64QAM	50	0	21.19	21.31	21.20			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.84	23.89	23.83	25	0	
5	QPSK	1	12	23.65	23.81	23.72			
5	QPSK	1	24	23.66	23.82	23.64			
5	QPSK	12	0	23.37	23.41	23.43	24	1	
5	QPSK	12	7	23.28	23.33	23.26			
5	QPSK	12	13	23.23	23.24	23.26			
5	QPSK	25	0	23.23	23.38	23.19	24	1	
5	16QAM	1	0	23.37	23.40	23.37			
5	16QAM	1	12	23.52	23.57	23.47			
5	16QAM	1	24	23.48	23.52	23.44	23	2	
5	16QAM	12	0	22.37	22.43	22.32			
5	16QAM	12	7	22.16	22.32	22.21			
5	16QAM	12	13	22.25	22.16	22.26	23	2	
5	16QAM	25	0	22.25	22.28	22.17			
5	64QAM	1	0	22.41	22.56	22.53			
5	64QAM	1	12	22.40	22.43	22.44	23	2	
5	64QAM	1	24	22.33	22.41	22.27			
5	64QAM	12	0	21.36	21.42	21.30			
5	64QAM	12	7	21.35	21.42	21.28	22	3	
5	64QAM	12	13	21.14	21.22	21.11			
5	64QAM	25	0	21.09	21.36	21.19			
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.87	23.92	23.90	25	0	
3	QPSK	1	8	23.86	23.84	23.72			
3	QPSK	1	14	23.64	23.80	23.54			
3	QPSK	8	0	23.37	23.41	23.33	24	1	
3	QPSK	8	4	23.17	23.33	23.27			
3	QPSK	8	7	23.42	23.19	23.18			
3	QPSK	15	0	23.15	23.24	23.24	24	1	
3	16QAM	1	0	23.32	23.40	23.37			
3	16QAM	1	8	23.46	23.53	23.43			
3	16QAM	1	14	23.51	23.58	23.33	23	2	
3	16QAM	8	0	22.32	22.36	22.26			
3	16QAM	8	4	22.16	22.39	22.26			
3	16QAM	8	7	22.17	22.28	22.25	23	2	
3	16QAM	15	0	22.23	22.23	22.19			
3	64QAM	1	0	22.42	22.45	22.54			
3	64QAM	1	8	22.43	22.45	22.36	23	2	
3	64QAM	1	14	22.41	22.45	22.39			
3	64QAM	8	0	21.41	21.34	21.17			
3	64QAM	8	4	21.33	21.31	21.31	22	3	
3	64QAM	8	7	21.23	21.22	21.12			
3	64QAM	15	0	21.11	21.26	21.13			
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.82	23.90	23.80	25	0	
1.4	QPSK	1	3	23.74	23.88	23.79			
1.4	QPSK	1	5	23.67	23.81	23.72			
1.4	QPSK	3	0	23.69	23.89	23.79	24	1	
1.4	QPSK	3	1	23.62	23.84	23.77			
1.4	QPSK	3	3	23.60	23.67	23.49			
1.4	QPSK	6	0	23.10	23.32	23.11	24	1	
1.4	16QAM	1	0	23.41	23.38	23.26			
1.4	16QAM	1	3	23.48	23.59	23.48			
1.4	16QAM	1	5	23.47	23.56	23.36	24	1	
1.4	16QAM	3	0	23.42	23.37	23.32			
1.4	16QAM	3	1	23.35	23.51	23.33			
1.4	16QAM	3	3	23.35	23.52	23.32	23	2	
1.4	16QAM	6	0	22.20	22.25	22.27			
1.4	64QAM	1	0	22.52	22.54	22.54			
1.4	64QAM	1	3	22.38	22.49	22.45	23	2	
1.4	64QAM	1	5	22.41	22.50	22.39			
1.4	64QAM	3	0	22.41	22.45	22.52			
1.4	64QAM	3	1	22.42	22.45	22.33	23	2	
1.4	64QAM	3	3	22.33	22.45	22.38			
1.4	64QAM	6	0	21.16	21.24	21.20			

Band 66_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	23	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.30	22.47	22.22			
20	QPSK	1	49	22.07	22.21	22.16			
20	QPSK	1	99	21.99	22.11	22.08	22	1	
20	QPSK	50	0	21.27	21.29	21.23			
20	QPSK	50	24	21.17	21.24	21.21			
20	QPSK	50	50	21.14	21.15	21.14			
20	QPSK	100	0	21.21	21.22	21.07	22	1	
20	16QAM	1	0	21.58	21.64	21.56			
20	16QAM	1	49	21.42	21.49	21.41			
20	16QAM	1	99	21.26	21.40	21.32			
20	16QAM	50	0	20.24	20.27	20.18	21	2	
20	16QAM	50	24	20.16	20.27	20.21			
20	16QAM	50	50	20.03	20.18	20.11			
20	16QAM	100	0	20.16	20.24	20.09			
20	64QAM	1	0	20.53	20.56	20.49	21	2	
20	64QAM	1	49	20.31	20.38	20.23			
20	64QAM	1	99	20.21	20.28	20.27			
20	64QAM	50	0	19.28	19.31	19.30			
20	64QAM	50	24	19.27	19.29	19.23	20	3	
20	64QAM	50	50	19.09	19.18	19.17			
20	64QAM	100	0	19.21	19.24	19.10			
Channel				132047	132322	132597	23	0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.26	22.24	22.07			
15	QPSK	1	37	21.92	22.17	22.10			
15	QPSK	1	74	21.89	21.98	21.99	22	1	
15	QPSK	36	0	21.14	21.25	21.13			
15	QPSK	36	20	21.02	21.22	21.09			
15	QPSK	36	39	21.11	21.05	21.05			
15	QPSK	75	0	21.11	21.15	20.95	22	1	
15	16QAM	1	0	21.54	21.63	21.54			
15	16QAM	1	37	21.31	21.46	21.37			
15	16QAM	1	74	21.23	21.36	21.17			
15	16QAM	36	0	20.17	20.22	20.05	21	2	
15	16QAM	36	20	20.02	20.17	20.12			
15	16QAM	36	39	19.91	20.06	20.08			
15	16QAM	75	0	20.02	20.20	19.98			
15	64QAM	1	0	20.38	20.51	20.39	21	2	
15	64QAM	1	37	20.20	20.27	20.08			
15	64QAM	1	74	20.16	20.14	20.24			
15	64QAM	36	0	19.21	19.21	19.25			
15	64QAM	36	20	19.13	19.20	19.18	20	3	
15	64QAM	36	39	19.03	19.16	19.04			
15	64QAM	75	0	19.14	19.16	18.99			
Channel				132022	132322	132622	23	0	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.29	22.23	22.17			
10	QPSK	1	25	21.95	22.14	22.01			
10	QPSK	1	49	21.89	21.96	21.97	22	1	
10	QPSK	25	0	21.26	21.17	21.12			
10	QPSK	25	12	21.15	21.11	21.15			
10	QPSK	25	25	21.10	21.07	21.02			
10	QPSK	50	0	21.15	21.11	20.95	22	1	
10	16QAM	1	0	21.51	21.55	21.44			
10	16QAM	1	25	21.30	21.48	21.34			
10	16QAM	1	49	21.20	21.31	21.29			
10	16QAM	25	0	20.17	20.13	20.06	21	2	
10	16QAM	25	12	20.09	20.26	20.08			
10	16QAM	25	25	19.95	20.04	20.01			
10	16QAM	50	0	20.15	20.16	20.08			
10	64QAM	1	0	20.39	20.45	20.35	21	2	
10	64QAM	1	25	20.22	20.31	20.18			
10	64QAM	1	49	20.06	20.16	20.17			
10	64QAM	25	0	19.21	19.21	19.25			
10	64QAM	25	12	19.20	19.23	19.12	20	3	
10	64QAM	25	25	19.07	19.09	19.12			
10	64QAM	50	0	19.06	19.22	18.98			
Channel				131997	132322	132647	23	0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.25	22.27	22.12			
5	QPSK	1	12	22.02	22.08	22.13			
5	QPSK	1	24	21.87	22.09	22.03	22	1	
5	QPSK	12	0	21.17	21.27	21.19			
5	QPSK	12	7	21.05	21.18	21.15			
5	QPSK	12	13	21.09	21.02	21.01			
5	QPSK	25	0	21.17	21.13	20.92	22	1	
5	16QAM	1	0	21.50	21.54	21.46			
5	16QAM	1	12	21.32	21.47	21.32			
5	16QAM	1	24	21.22	21.29	21.19			
5	16QAM	12	0	20.16	20.19	20.16	21	2	
5	16QAM	12	7	20.11	20.16	20.17			
5	16QAM	12	13	19.94	20.06	20.03			
5	16QAM	25	0	20.14	20.20	19.94			
5	64QAM	1	0	20.41	20.47	20.48	21	2	
5	64QAM	1	12	20.22	20.34	20.17			
5	64QAM	1	24	20.19	20.18	20.15			
5	64QAM	12	0	19.20	19.30	19.15			
5	64QAM	12	7	19.22	19.18	19.19	20	3	
5	64QAM	12	13	18.97	19.03	19.08			
5	64QAM	25	0	19.19	19.21	19.06			
Channel				131987	132322	132657	23	0	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.30	22.27	22.17			
3	QPSK	1	8	21.96	22.10	22.02			
3	QPSK	1	14	21.86	21.96	22.04	22	1	
3	QPSK	8	0	21.19	21.28	21.18			
3	QPSK	8	4	21.16	21.23	21.17			
3	QPSK	8	7	21.09	21.14	21.09			
3	QPSK	15	0	21.08	21.14	20.95	22	1	
3	16QAM	1	0	21.43	21.58	21.53			
3	16QAM	1	8	21.32	21.46	21.39			
3	16QAM	1	14	21.13	21.38	21.21			
3	16QAM	8	0	20.23	20.12	20.03	21	2	
3	16QAM	8	4	20.09	20.12	20.06			
3	16QAM	8	7	19.90	20.04	19.97			
3	16QAM	15	0	20.02	20.23	20.02			
3	64QAM	1	0	20.44	20.44	20.40	21	2	
3	64QAM	1	8	20.20	20.26	20.12			
3	64QAM	1	14	20.15	20.18	20.13			
3	64QAM	8	0	19.17	19.28	19.21			
3	64QAM	8	4	19.15	19.19	19.12	20	3	
3	64QAM	8	7	19.08	19.15	19.02			
3	64QAM	15	0	19.08	19.23	18.97			
Channel				131979	132322	132685	23	0	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.30	22.26	22.15			
1.4	QPSK	1	3	22.06	22.19	22.14			
1.4	QPSK	1	5	21.92	22.00	21.93	23	0	
1.4	QPSK	3	0	22.16	22.19	22.05			
1.4	QPSK	3	1	21.97	22.09	22.02			
1.4	QPSK	3	3	21.84	21.93	21.87			
1.4	QPSK	6	0	21.10	21.10	21.06	22	1	
1.4	16QAM	1	0	21.47	21.62	21.44			
1.4	16QAM	1	3	21.36	21.46	21.30			
1.4	16QAM	1	5	21.22	21.30	21.19			
1.4	16QAM	3	0	21.38	21.51	21.37	22	1	
1.4	16QAM	3	1	21.25	21.40	21.20			
1.4	16QAM	3	3	21.18	21.18	21.06			
1.4	16QAM	6	0	20.08	20.22	19.99			
1.4	64QAM	1	0	20.48	20.53	20.37	21	2	
1.4	64QAM	1	3	20.25	20.37	20.08			
1.4	64QAM	1	5	20.13	20.22	20.22			
1.4	64QAM	3	0	20.45	20.45	20.27			
1.4	64QAM	3	1	20.15	20.26	20.01	21	2	
1.4	64QAM	3	3	20.07	20.14	20.21			
1.4	64QAM	6	0	19.12	19.12	19.05			

Band 38_Ant 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	24.44	24.47	24.48	25	0					
20	QPSK	1	49	24.37	24.44	24.33							
20	QPSK	1	99	24.33	24.38	24.32							
20	QPSK	36	0	23.43	23.46	23.45	24	1					
20	QPSK	50	24	23.34	23.44	23.40							
20	QPSK	50	50	23.40	23.48	23.37							
20	QPSK	100	0	23.31	23.40	23.26	24	1					
20	16QAM	1	0	23.42	23.45	23.36							
20	16QAM	1	49	23.37	23.45	23.30							
20	16QAM	1	99	23.44	23.53	23.45	23	2					
20	16QAM	50	0	22.29	22.37	22.35							
20	16QAM	50	24	22.46	22.47	22.40							
20	16QAM	50	50	22.37	22.44	22.33	23	2					
20	16QAM	100	0	22.34	22.48	22.46							
20	64QAM	1	0	21.85	21.96	21.95							
20	64QAM	1	49	22.56	22.70	22.55	23	2					
20	64QAM	1	99	22.14	22.22	22.20							
20	64QAM	50	0	21.39	21.42	21.39							
20	64QAM	50	24	21.43	21.45	21.31	22	3					
20	64QAM	50	50	21.34	21.44	21.42							
20	64QAM	100	0	21.33	21.43	21.41							
Channel				37850	38000	38175							
Frequency (MHz)				2572.5	2595	2617.5							
15	QPSK	1	0	24.40	24.30	24.43	25	0					
15	QPSK	1	37	24.28	24.32	24.18							
15	QPSK	1	74	24.27	24.29	24.26							
15	QPSK	36	0	23.42	23.40	23.35	24	1					
15	QPSK	36	39	23.20	23.30	23.39							
15	QPSK	36	39	23.30	23.33	23.32							
15	QPSK	75	0	23.26	23.37	23.13	24	1					
15	16QAM	1	0	23.31	23.37	23.26							
15	16QAM	1	37	23.31	23.35	23.29							
15	16QAM	1	74	23.39	23.41	23.38	23	2					
15	16QAM	36	0	22.14	22.22	22.26							
15	16QAM	36	20	22.40	22.41	22.28							
15	16QAM	36	39	22.29	22.31	22.23	23	2					
15	16QAM	75	0	22.26	22.40	22.39							
15	64QAM	1	0	21.84	21.86	21.88							
15	64QAM	1	37	22.48	22.55	22.45	23	2					
15	64QAM	1	74	22.03	22.14	22.13							
15	64QAM	36	0	21.29	21.36	21.29							
15	64QAM	36	20	21.31	21.40	21.17	22	3					
15	64QAM	36	39	21.23	21.30	21.35							
15	64QAM	75	0	21.25	21.42	21.39							
Channel				37800	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	24.43	24.32	24.31	25	0					
10	QPSK	1	25	24.33	24.37	24.30							
10	QPSK	1	49	24.18	24.25	24.17							
10	QPSK	25	0	23.32	23.37	23.38	24	1					
10	QPSK	25	12	23.33	23.40	23.28							
10	QPSK	25	25	23.35	23.42	23.27							
10	QPSK	50	0	23.22	23.36	23.23	24	1					
10	16QAM	1	0	23.38	23.33	23.26							
10	16QAM	1	25	23.22	23.37	23.29							
10	16QAM	1	49	23.42	23.52	23.37	23	2					
10	16QAM	25	0	22.22	22.24	22.20							
10	16QAM	25	12	22.32	22.41	22.37							
10	16QAM	25	25	22.28	22.35	22.23	23	2					
10	16QAM	50	0	22.23	22.44	22.45							
10	64QAM	1	0	21.82	21.88	21.90							
10	64QAM	1	25	22.50	22.59	22.43	23	2					
10	64QAM	1	49	21.99	22.19	22.10							
10	64QAM	25	0	21.33	21.38	21.29							
10	64QAM	25	12	21.32	21.38	21.29	22	3					
10	64QAM	25	25	21.30	21.37	21.36							
10	64QAM	50	0	21.19	21.32	21.38							
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	24.20	24.35	24.45	25	0					
5	QPSK	1	12	24.28	24.36	24.25							
5	QPSK	1	24	24.32	24.28	24.28							
5	QPSK	12	0	23.42	23.44	23.33	24	1					
5	QPSK	12	7	23.32	23.35	23.30							
5	QPSK	12	13	23.38	23.46	23.25							
5	QPSK	25	0	23.16	23.27	23.17	24	1					
5	16QAM	1	0	23.30	23.41	23.35							
5	16QAM	1	12	23.28	23.30	23.26							
5	16QAM	1	24	23.40	23.49	23.41	23	2					
5	16QAM	12	0	22.24	22.34	22.29							
5	16QAM	12	7	22.32	22.40	22.33							
5	16QAM	12	13	22.35	22.36	22.32	23	2					
5	16QAM	25	0	22.21	22.34	22.38							
5	64QAM	1	0	21.72	21.83	21.81							
5	64QAM	1	12	22.42	22.59	22.48	23	2					
5	64QAM	1	24	22.07	22.19	22.07							
5	64QAM	12	0	21.32	21.31	21.24							
5	64QAM	12	7	21.37	21.37	21.27	22	3					
5	64QAM	12	13	21.23	21.31	21.27							
5	64QAM	25	0	21.22	21.38	21.39							

Band 38_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	18.11	18.17	18.08	18.5	0		
20	QPSK	1	49	17.98	18.15	18.05				
20	QPSK	1	99	18.05	18.02	17.95				
20	QPSK	36	0	18.09	18.12	18.06	18.5	0		
20	QPSK	50	24	18.06	18.06	17.90				
20	QPSK	50	50	18.06	18.05	17.94				
20	QPSK	100	0	18.04	18.11	17.94	18.5	0		
20	16QAM	1	0	18.05	18.03	17.97				
20	16QAM	1	49	18.04	18.06	18.00				
20	16QAM	1	99	18.00	18.15	17.94	18.5	0		
20	16QAM	50	0	18.01	18.05	17.92				
20	16QAM	50	24	18.05	18.13	17.94				
20	16QAM	50	50	18.03	18.06	17.92	18.5	0		
20	16QAM	100	0	18.03	18.12	17.92				
20	64QAM	1	0	18.00	18.02	18.03				
20	64QAM	1	49	18.01	18.13	18.05	18.5	0		
20	64QAM	1	99	18.10	18.12	17.93				
20	64QAM	50	0	18.10	18.13	18.01	18.5	0		
20	64QAM	50	24	17.97	18.12	18.03				
20	64QAM	50	50	18.04	18.14	18.03				
20	64QAM	100	0	17.95	18.04	18.00				
Channel				37850	38000	38150				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	18.02	18.05	17.99	18.5	0		
15	QPSK	1	37	17.83	18.01	17.87				
15	QPSK	1	74	17.96	17.92	17.86				
15	QPSK	36	0	17.94	17.94	17.83	18.5	0		
15	QPSK	20	20	17.96	17.92	17.80				
15	QPSK	36	36	17.94	18.04	17.87				
15	QPSK	75	0	17.94	17.99	17.89	18.5	0		
15	16QAM	1	0	18.03	17.94	17.85				
15	16QAM	1	49	17.96	17.93	17.85				
15	16QAM	1	74	17.90	18.01	17.82	18.5	0		
15	16QAM	36	0	17.94	17.96	17.83				
15	16QAM	36	20	17.98	18.03	17.85				
15	16QAM	36	36	17.91	17.97	17.84	18.5	0		
15	16QAM	75	0	17.92	17.90	17.77				
15	64QAM	1	37	17.99	18.04	17.96				
15	64QAM	1	74	18.03	17.96	17.89	18.5	0		
15	64QAM	36	0	18.04	17.92	17.88				
15	64QAM	36	20	17.91	18.05	17.99				
15	64QAM	36	39	18.00	18.09	18.01	18.5	0		
15	64QAM	75	0	17.92	18.03	17.93				
15	64QAM	75	0	17.60	18.05	17.93				
Channel				2575	2595	2615				
Frequency (MHz)				2572.5	2590	2617.5				
10	QPSK	1	0	18.04	18.12	17.95	18.5	0		
10	QPSK	1	25	17.86	18.13	18.02				
10	QPSK	1	49	17.98	17.87	17.94				
10	QPSK	25	0	17.99	18.06	17.88	18.5	0		
10	QPSK	25	12	17.99	17.99	17.79				
10	QPSK	25	25	17.85	18.04	17.85				
10	QPSK	50	0	17.89	17.99	17.92	18.5	0		
10	16QAM	1	0	17.92	17.96	17.89				
10	16QAM	1	25	17.97	17.92	17.89				
10	16QAM	1	49	17.92	18.08	17.90	18.5	0		
10	16QAM	25	0	17.91	17.92	17.88				
10	16QAM	25	12	18.00	18.07	17.89				
10	16QAM	25	25	17.94	17.95	17.82	18.5	0		
10	16QAM	50	0	18.00	18.00	17.77				
10	64QAM	1	0	17.99	17.90	17.87				
10	64QAM	1	25	17.87	17.99	18.01	18.5	0		
10	64QAM	1	49	17.92	18.10	17.79				
10	64QAM	25	0	18.05	17.96	17.88				
10	64QAM	25	12	17.95	18.03	17.91	18.5	0		
10	64QAM	25	25	17.89	18.12	17.92				
10	64QAM	50	0	17.92	17.90	17.87				
Channel				3777.5	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	17.97	18.04	17.97	18.5	0		
5	QPSK	1	12	17.87	18.01	17.93				
5	QPSK	1	24	17.94	18.06	17.93				
5	QPSK	12	0	18.00	18.08	17.93	18.5	0		
5	QPSK	12	0	18.00	17.98	17.77				
5	QPSK	12	13	17.91	18.03	17.90				
5	QPSK	25	0	18.00	18.03	17.82	18.5	0		
5	16QAM	1	0	18.02	17.93	17.83				
5	16QAM	1	12	17.99	17.94	17.88				
5	16QAM	1	24	17.92	18.00	17.82	18.5	0		
5	16QAM	12	0	17.91	17.94	17.87				
5	16QAM	12	13	17.99	18.07	17.89				
5	16QAM	12	13	17.90	17.91	17.87	18.5	0		
5	16QAM	25	0	17.96	18.10	17.87				
5	64QAM	1	0	17.86	17.92	17.86				
5	64QAM	1	12	17.86	18.12	17.84	18.5	0		
5	64QAM	1	24	18.02	18.08	17.79				
5	64QAM	12	0	17.98	17.94	17.84				
5	64QAM	12	7	17.93	18.01	17.96	18.5	0		
5	64QAM	12	13	17.99	18.09	17.91				
5	64QAM	0	0	17.92	17.93	17.93				

Band 41_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41480			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	23.40	23.48	23.50	23.44	23.48	23.8	0	
20	QPSK	1	49	23.39	23.37	23.44	23.34	23.40			
20	QPSK	1	99	23.32	23.30	23.40	23.32	23.32			
20	QPSK	50	0	22.36	22.49	22.56	22.53	22.51	22.8	1	
20	QPSK	50	24	22.35	22.41	22.49	22.40	22.48			
20	QPSK	50	50	22.41	22.46	22.52	22.50	22.37			
20	QPSK	100	0	22.36	22.46	22.51	22.45	22.50	22.8	1	
20	16QAM	1	0	22.51	22.44	22.53	22.41	22.41			
20	16QAM	1	49	22.45	22.44	22.55	22.48	22.45			
20	16QAM	1	99	22.57	22.44	22.59	22.49	22.45	21.8	2	
20	16QAM	50	0	21.42	21.40	21.48	21.38	21.34			
20	16QAM	50	24	21.36	21.46	21.50	21.43	21.48			
20	16QAM	50	50	21.38	21.47	21.52	21.49	21.47	20.8	3	
20	16QAM	100	0	21.43	21.41	21.48	21.39	21.37			
20	64QAM	1	0	21.12	21.17	21.24	21.10	21.19			
20	64QAM	1	49	20.94	20.89	21.00	20.88	20.93	21.8	2	
20	64QAM	1	99	21.27	21.26	21.33	21.29	21.19			
20	64QAM	50	0	20.33	20.43	20.48	20.37	20.45			
20	64QAM	50	24	20.43	20.39	20.48	20.39	20.37	20.8	3	
20	64QAM	50	50	20.43	20.42	20.51	20.37	20.40			
20	64QAM	100	0	20.12	20.03	20.18	20.16	20.05			
Channel				39725	40173	40620	41055	41480	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2601.5	2644.3	2687.8	2731.3	2775.5			
15	QPSK	1	0	23.31	23.43	23.35	23.41	23.33	23.8	0	
15	QPSK	1	37	23.29	23.25	23.29	23.27	23.33			
15	QPSK	1	74	23.22	23.15	23.38	23.30	23.20			
15	QPSK	36	0	22.37	22.36	22.54	22.48	22.40	22.8	1	
15	QPSK	36	20	22.23	22.29	22.49	22.43	22.31			
15	QPSK	36	39	22.40	22.34	22.46	22.45	22.36			
15	QPSK	75	0	22.33	22.37	22.40	22.40	22.37	22.8	1	
15	16QAM	1	0	22.45	22.42	22.40	22.34	22.32			
15	16QAM	1	37	22.43	22.51	22.45	22.44	22.28			
15	16QAM	1	74	22.45	22.30	22.37	22.36	22.30	21.8	2	
15	16QAM	36	0	21.36	21.38	21.38	21.34	21.29			
15	16QAM	36	20	21.28	21.31	21.47	21.40	21.35			
15	16QAM	36	39	21.32	21.39	21.49	21.46	21.43	20.8	3	
15	16QAM	75	0	21.37	21.39	21.40	21.25	21.21			
15	64QAM	1	0	21.06	21.10	21.09	20.96	21.07			
15	64QAM	1	37	20.80	20.86	20.99	20.91	20.89	21.8	2	
15	64QAM	1	74	21.34	21.11	21.22	21.28	21.05			
15	64QAM	36	0	20.21	20.32	20.37	20.23	20.31			
15	64QAM	36	20	20.34	20.37	20.42	20.29	20.29	20.8	3	
15	64QAM	36	39	20.42	20.41	20.41	20.25	20.37			
15	64QAM	75	0	20.00	19.92	20.10	20.10	20.01			
Channel				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.5	2547.5	2593	2639	2685			
10	QPSK	1	0	23.37	23.44	23.40	23.34	23.33	23.8	0	
10	QPSK	1	25	23.36	23.35	23.37	23.33	23.32			
10	QPSK	1	49	23.20	23.18	23.28	23.22	23.28			
10	QPSK	25	0	22.35	22.48	22.52	22.42	22.38	22.8	1	
10	QPSK	25	12	22.35	22.30	22.36	22.28	22.39			
10	QPSK	25	25	22.33	22.39	22.37	22.35	22.31			
10	QPSK	50	0	22.21	22.40	22.44	22.34	22.40	22.8	1	
10	16QAM	1	0	22.46	22.29	22.40	22.27	22.30			
10	16QAM	1	25	22.41	22.39	22.53	22.45	22.38			
10	16QAM	1	49	22.43	22.38	22.53	22.38	22.44	21.8	2	
10	16QAM	25	0	21.28	21.37	21.45	21.35	21.33			
10	16QAM	25	12	21.27	21.40	21.42	21.37	21.33			
10	16QAM	25	25	21.24	21.39	21.42	21.39	21.33	21.8	2	
10	16QAM	50	0	21.28	21.27	21.45	21.38	21.26			
10	64QAM	1	0	21.06	21.09	21.17	21.04	21.11			
10	64QAM	1	25	20.93	20.81	20.92	20.80	20.85	21.8	2	
10	64QAM	1	49	21.14	21.22	21.30	21.15	21.16			
10	64QAM	25	0	20.28	20.31	20.36	20.31	20.38			
10	64QAM	25	12	20.42	20.25	20.33	20.31	20.24	20.8	3	
10	64QAM	25	25	20.36	20.28	20.42	20.32	20.39			
10	64QAM	50	0	20.04	20.00	20.13	20.05	19.92			
Channel				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.34	23.42	23.40	23.29	23.45	23.8	0	
5	QPSK	1	12	23.26	23.24	23.31	23.26	23.26			
5	QPSK	1	24	23.23	23.21	23.34	23.30	23.26			
5	QPSK	12	0	22.40	22.37	22.49	22.41	22.48	22.8	1	
5	QPSK	12	7	22.34	22.33	22.45	22.29	22.42			
5	QPSK	12	13	22.28	22.45	22.39	22.47	22.36			
5	QPSK	25	0	22.32	22.43	22.45	22.42	22.36	22.8	1	
5	16QAM	1	0	22.36	22.39	22.38	22.39	22.33			
5	16QAM	1	12	22.35	22.38	22.40	22.38	22.41			
5	16QAM	1	24	22.44	22.31	22.45	22.47	22.42	21.8	2	
5	16QAM	12	0	21.35	21.29	21.36	21.30	21.21			
5	16QAM	12	7	21.28	21.43	21.45	21.38	21.34			
5	16QAM	12	13	21.36	21.32	21.37	21.42	21.39	21.8	2	
5	16QAM	25	0	21.29	21.28	21.47	21.38	21.23			
5	64QAM	1	0	21.04	21.09	21.14	20.97	21.07			
5	64QAM	1	12	20.88	20.81	20.87	20.85	20.80	21.8	2	
5	64QAM	1	24	21.12	21.11	21.32	21.26	21.12			
5	64QAM	12	0	20.30	20.26	20.43	20.35	20.43			
5	64QAM	12	7	20.41	20.37	20.44	20.35	20.30	20.8	3	
5	64QAM	12	13	20.29	20.26	20.39	20.31	20.26			
5	64QAM	25	0	20.11	19.94	20.11	20.01	20.00			

Band 41 (HPUE)_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41480		
20	QPSK	1	0	20.74	20.58	21.10	20.94	21.10	21.3	0
20	QPSK	1	49	20.61	20.88	21.12	20.93	20.97		
20	QPSK	1	99	20.69	20.82	21.12	20.90	20.99		
20	QPSK	50	0	20.73	20.82	21.13	20.92	21.01		
20	QPSK	50	24	20.63	20.77	20.92	20.73	21.01		
20	QPSK	50	50	20.71	20.79	20.90	20.75	20.96	21.3	0
20	QPSK	100	0	20.58	20.80	21.11	20.76	21.05		
20	16QAM	1	0	20.73	20.90	21.10	20.90	20.96		
20	16QAM	1	49	20.61	20.82	21.15	20.83	20.96		
20	16QAM	1	99	20.70	20.90	21.02	20.84	21.09		
20	16QAM	50	0	20.63	20.87	21.01	20.92	20.96	21.3	0
20	16QAM	50	24	20.62	20.88	21.13	20.90	21.09		
20	16QAM	50	50	20.68	20.93	21.04	20.86	20.96		
20	16QAM	100	0	20.65	20.82	21.01	20.83	20.99		
20	64QAM	1	0	20.65	20.82	21.01	20.83	20.99		
20	64QAM	1	49	20.67	20.95	21.05	20.89	21.05	21.3	0
20	64QAM	1	99	20.73	20.95	21.01	20.90	20.99		
20	64QAM	50	0	20.69	20.80	21.11	20.82	20.99		
20	64QAM	50	24	20.64	20.84	21.11	20.80	21.07		
20	64QAM	50	50	20.61	20.86	21.02	20.91	21.07		
20	64QAM	100	0	20.66	20.93	21.09	20.84	21.03	21.3	0
Frequency (MHz)				39725	40173	40620	41055	41485		
Frequency (MHz)				20.61	20.64	20.93	20.73	20.85		
15	QPSK	1	0	20.69	20.90	21.12	20.81	21.01	21.3	0
15	QPSK	1	37	20.56	20.78	21.01	20.83	20.93		
15	QPSK	1	74	20.66	20.75	20.97	20.84	20.96		
15	QPSK	36	0	20.72	20.73	20.93	20.81	20.93		
15	QPSK	36	39	20.62	20.63	20.90	20.62	20.88		
15	QPSK	36	39	20.62	20.64	20.80	20.69	20.85	21.3	0
15	QPSK	75	0	20.56	20.69	20.88	20.73	20.91		
15	16QAM	1	0	20.63	20.84	21.04	20.82	20.91		
15	16QAM	1	37	20.66	20.80	21.06	20.75	20.89		
15	16QAM	1	74	20.63	20.84	20.89	20.69	21.03		
15	16QAM	36	0	20.59	20.79	20.87	20.77	20.85	21.3	0
15	16QAM	36	20	20.48	20.76	21.12	20.88	21.02		
15	16QAM	36	39	20.64	20.84	20.92	20.77	20.84		
15	16QAM	75	0	20.62	20.88	20.94	20.74	20.86		
15	64QAM	1	0	20.52	20.80	20.91	20.76	20.86		
15	64QAM	1	37	20.59	20.93	20.91	20.77	21.03	21.3	0
15	64QAM	1	74	20.58	20.94	20.99	20.76	20.94		
15	64QAM	36	0	20.56	20.87	20.97	20.75	20.94		
15	64QAM	36	20	20.58	20.85	20.97	20.65	20.99		
15	64QAM	36	39	20.50	20.73	20.92	20.80	20.96		
15	64QAM	75	0	20.58	20.82	21.06	20.81	20.91	21.3	0
Frequency (MHz)				39700	40160	40620	41080	41540		
Frequency (MHz)				20.61	20.64	20.93	20.73	20.85		
10	QPSK	1	0	20.71	20.81	21.10	20.92	21.04	21.3	0
10	QPSK	1	25	20.54	20.87	21.06	20.85	20.88		
10	QPSK	1	49	20.61	20.80	21.05	20.75	20.86		
10	QPSK	25	0	20.69	20.82	20.88	20.69	20.95		
10	QPSK	25	12	20.60	20.76	20.81	20.58	20.98		
10	QPSK	25	12	20.64	20.74	20.84	20.66	20.87	21.3	0
10	QPSK	50	0	20.48	20.66	20.82	20.63	21.03		
10	16QAM	1	0	20.71	20.85	21.07	20.79	20.89		
10	16QAM	1	25	20.51	20.76	21.01	20.68	20.88		
10	16QAM	1	49	20.66	20.85	20.90	20.80	21.06		
10	16QAM	25	0	20.60	20.79	20.92	20.91	20.85	21.3	0
10	16QAM	25	12	20.61	20.76	21.07	20.89	20.96		
10	16QAM	25	25	20.53	20.88	20.97	20.77	20.83		
10	16QAM	50	0	20.64	20.85	20.87	20.70	20.86		
10	64QAM	1	0	20.51	20.76	20.95	20.77	20.95		
10	64QAM	1	25	20.66	20.90	20.97	20.79	20.98	21.3	0
10	64QAM	1	49	20.68	20.84	20.99	20.88	20.97		
10	64QAM	25	0	20.55	20.79	20.97	20.76	20.86		
10	64QAM	25	12	20.63	20.91	20.96	20.66	21.03		
10	64QAM	25	25	20.47	20.85	20.93	20.87	21.05		
10	64QAM	50	0	20.55	20.84	21.03	20.71	20.96	21.3	0
Frequency (MHz)				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.71	20.93	21.04	20.87	21.04	21.3	0
5	QPSK	1	12	20.54	20.79	21.06	20.82	20.89		
5	QPSK	1	24	20.68	20.72	20.99	20.78	20.87		
5	QPSK	12	0	20.63	20.84	20.87	20.67	21.06		
5	QPSK	12	7	20.61	20.70	20.85	20.63	20.93		
5	QPSK	12	13	20.61	20.67	20.81	20.74	20.85	21.3	0
5	QPSK	25	0	20.45	20.74	20.78	20.65	21.03		
5	16QAM	1	0	20.69	20.75	21.05	20.81	20.81		
5	16QAM	1	12	20.54	20.71	21.13	20.70	20.81		
5	16QAM	1	24	20.61	20.75	20.98	20.75	20.86		
5	16QAM	12	0	20.50	20.72	20.91	20.80	20.90	21.3	0
5	16QAM	12	7	20.53	20.62	21.01	20.76	20.97		
5	16QAM	12	13	20.53	20.63	20.90	20.84	20.85		
5	16QAM	25	0	20.51	20.81	20.95	20.79	20.91		
5	64QAM	1	0	20.55	20.78	20.93	20.72	20.91		
5	64QAM	1	12	20.59	20.83	20.94	20.83	20.97	21.3	0
5	64QAM	1	24	20.68	20.92	20.86	20.80	20.92		
5	64QAM	12	0	20.62	20.76	20.96	20.69	20.96		
5	64QAM	12	7	20.51	20.93	21.05	20.67	20.97		
5	64QAM	12	13	20.50	20.75	20.97	20.78	20.99	21.3	0
5	64QAM	25	0	20.52	20.86	21.06	20.72	20.94		
5	64QAM	25	12	20.59	20.89	21.02	20.72	20.94		
5	64QAM	25	25	20.49	20.87	20.99	20.72	20.94		

Reduced Power Mode for ECI8

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		30.13	30.51	30.46	31.30	21.13	21.51	21.46	22.30
GPRS 1 Tx slot		30.18	30.57	30.51	31.30	21.18	21.57	21.51	22.30
GPRS 2 Tx slots		27.19	27.59	27.50	28.30	21.19	21.59	21.50	22.30
GPRS 3 Tx slots		25.42	25.85	25.74	26.30	21.16	21.59	21.48	22.04
GPRS 4 Tx slots		25.15	24.55	24.42	25.30	22.15	21.55	21.42	22.30
EDGE(GMSK 1 Tx slot)		30.14	30.47	30.36	31.30	21.14	21.47	21.36	22.30
EDGE(GMSK 2 Tx slot)		27.09	27.54	27.42	28.30	21.09	21.54	21.42	22.30
EDGE(GMSK 3 Tx slot)		25.36	25.70	25.70	26.30	21.10	21.44	21.44	22.04
EDGE(GMSK 4 Tx slot)		25.14	24.47	24.32	25.30	22.14	21.47	21.32	22.30
EDGE 1 Tx slot		26.05	26.41	26.60	27.80	17.05	17.41	17.60	18.80
EDGE 2 Tx slots		23.87	23.94	24.08	25.80	17.87	17.94	18.08	19.80
EDGE 3 Tx slots		22.01	22.23	22.31	23.30	17.75	17.97	18.05	19.04
EDGE 4 Tx slots		21.26	21.54	21.63	22.80	18.26	18.54	18.63	19.80

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
TX Channel	512	661	810		Limit (dBm)	512	661	810	Limit (dBm)	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8		
GSM 1 Tx slot	28.45	28.84	28.76	29.80	19.45	19.84	19.76	20.80	19.80	
GPRS 1 Tx slot	28.57	28.88	28.80	29.80	19.57	19.88	19.80	20.80	19.80	
GPRS 2 Tx slots	25.89	26.10	26.02	26.80	19.89	20.10	20.02	20.80	19.80	
GPRS 3 Tx slots	24.07	24.39	24.31	25.00	19.81	20.13	20.05	20.74	19.80	
GPRS 4 Tx slots	22.88	23.12	23.06	23.80	19.88	20.12	20.06	20.80	19.80	
EDGE(GMSK 1 Tx slot)	28.42	28.82	28.72	29.80	19.42	19.82	19.72	20.80	19.80	
EDGE(GMSK 2 Tx slot)	25.82	26.05	25.91	26.80	19.82	20.05	19.91	20.80	19.80	
EDGE(GMSK 3 Tx slot)	23.98	24.35	24.23	25.00	19.72	20.09	19.97	20.74	19.80	
EDGE(GMSK 4 Tx slot)	22.78	23.01	22.99	23.80	19.78	20.01	19.99	20.80	19.80	
EDGE 1 Tx slot	25.61	25.75	25.71	26.80	16.61	16.75	16.71	17.80	17.80	
EDGE 2 Tx slots	22.45	22.56	22.47	23.80	16.45	16.56	16.47	17.80	17.80	
EDGE 3 Tx slots	20.95	20.97	20.85	22.30	16.69	16.71	16.59	18.04	17.80	
EDGE 4 Tx slots	20.06	20.10	19.99	21.80	17.06	17.10	16.99	18.80	17.80	

Band	WCDMA II_Ant 4				Tune-up Limit (dBm)	WCDMA II_Ant 3				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		9262	9400	9538		
Rx Channel		9662	9800	9938		9662	9800	9938		
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	19.96	19.84	19.89	20.80	21.15	21.15	21.20	21.80	
3GPP Rel 99	RMIC 12.2Kbps	19.99	20.04	19.92	20.80	21.24	21.26	21.22	21.80	
3GPP Rel 6	HSDPA Subtest-1	19.96	19.97	19.98	20.80	21.21	21.19	21.23	21.80	
3GPP Rel 6	HSDPA Subtest-2	20.01	19.96	19.97	20.80	21.21	21.16	21.21	21.80	
3GPP Rel 6	HSDPA Subtest-3	19.93	19.98	19.98	20.80	21.16	21.18	21.18	21.80	
3GPP Rel 6	HSDPA Subtest-4	19.99	20.00	20.02	20.80	21.23	21.19	21.25	21.80	
3GPP Rel 6	DC-HSDPA Subtest-1	19.83	19.96	19.89	20.80	21.19	21.17	21.11	21.80	
3GPP Rel 6	DC-HSDPA Subtest-2	19.90	19.81	19.95	20.80	21.19	21.25	21.12	21.80	
3GPP Rel 6	DC-HSDPA Subtest-3	20.00	19.86	20.00	20.80	21.19	21.18	21.23	21.80	
3GPP Rel 6	DC-HSDPA Subtest-4	19.93	19.88	19.93	20.80	21.13	21.21	21.14	21.80	
3GPP Rel 6	HSUPA Subtest-1	19.98	20.00	19.92	20.80	21.09	21.11	21.05	21.80	
3GPP Rel 6	HSUPA Subtest-2	19.94	20.01	20.02	20.80	21.07	21.12	21.02	21.80	
3GPP Rel 6	HSUPA Subtest-3	19.94	20.01	19.97	20.80	21.24	21.17	21.16	21.80	
3GPP Rel 6	HSUPA Subtest-4	20.01	19.93	19.94	20.80	20.62	20.65	20.63	21.80	
3GPP Rel 6	HSUPA Subtest-5	20.00	20.00	20.00	20.80	21.23	21.20	21.20	21.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.91	19.84	19.85	20.80	21.00	21.07	20.95	21.80	

Band	WCDMA V_Ant 1					WCDMA V_Ant 0					Tune-Up Limit (dBm)
	TX Channel	4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-Up Limit (dBm)		
	Rx Channel	4357	4407	4458		4357	4407	4458			
	Frequency (MHz)	826.4	836.4	846.6		826.4	836.4	846.6			
3GPP Rel 99	AMR 12.2Kbps	21.23	21.35	21.28	22.30	21.81	21.84	21.86	22.80		
3GPP Rel 99	RMC 12.2Kbps	21.31	21.38	21.34	22.30	21.84	21.92	21.89	22.80		
3GPP Rel 6	HSDPA Subtest-1	21.26	21.28	21.33	22.30	21.87	21.89	21.88	22.80		
3GPP Rel 6	HSDPA Subtest-2	21.24	21.26	21.30	22.30	21.73	21.83	21.83	22.80		
3GPP Rel 6	HSDPA Subtest-3	21.29	21.29	21.28	22.30	21.42	21.53	21.38	22.30		
3GPP Rel 6	HSDPA Subtest-4	21.21	21.30	21.34	22.30	21.33	21.36	21.52	22.30		
3GPP Rel 6	DC-HSDPA Subtest-1	21.17	21.27	21.23	22.30	21.76	21.90	21.85	22.80		
3GPP Rel 6	DC-HSDPA Subtest-2	21.23	21.14	21.23	22.30	21.70	21.87	21.89	22.80		
3GPP Rel 6	DC-HSDPA Subtest-3	21.18	21.20	21.21	22.30	21.27	21.36	21.31	22.30		
3GPP Rel 6	DC-HSDPA Subtest-4	21.19	21.15	21.31	22.30	21.26	21.43	21.35	22.30		
3GPP Rel 6	HSUPA Subtest-1	20.97	20.98	20.98	21.80	19.79	19.91	19.94	20.80		
3GPP Rel 6	HSUPA Subtest-2	21.01	21.01	21.02	21.80	19.85	20.00	19.88	20.80		
3GPP Rel 6	HSUPA Subtest-3	21.23	21.28	21.34	22.30	20.81	20.96	20.84	21.80		
3GPP Rel 6	HSUPA Subtest-4	20.52	20.55	20.49	21.80	19.41	19.42	19.34	20.80		
3GPP Rel 6	HSUPA Subtest-5	21.20	21.30	21.30	22.30	21.39	20.97	20.82	21.80		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.98	20.90	22.80	20.02	19.91	19.95	21.80		

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	128	189	251	(dBm)	128	189	251	(dBm)
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	30.08	30.33	30.22	31.80	21.08	21.33	21.22	22.80
GPRS 1 Tx slot	30.22	30.42	30.28	31.80	21.22	21.42	21.28	22.80
GPRS 2 Tx slots	27.41	27.63	27.46	28.80	21.41	21.63	21.46	22.80
GPRS 3 Tx slots	25.76	25.97	25.77	26.80	21.50	21.71	21.51	22.54
GPRS 4 Tx slots	24.53	24.72	24.53	25.80	21.53	21.72	21.53	22.80
EDGE(GMSK 1 Tx slot)	30.20	30.32	30.21	31.80	21.20	21.32	21.21	22.80
EDGE(GMSK 2 Tx slot)	27.40	27.52	27.32	28.80	21.40	21.52	21.32	22.80
EDGE(GMSK 3 Tx slot)	25.70	25.89	25.66	26.80	21.44	21.63	21.40	22.54
EDGE(GMSK 4 Tx slot)	24.38	24.63	24.45	25.80	21.38	21.63	21.45	22.80
EDGE 1 Tx slot	24.98	25.01	25.10	26.80	15.98	16.01	16.10	17.80
EDGE 2 Tx slots	22.80	22.80	22.95	24.80	16.80	16.80	16.95	18.80
EDGE 3 Tx slots	20.97	20.89	20.94	22.30	16.71	16.63	16.68	18.04
EDGE 4 Tx slots	20.14	20.20	20.23	21.80	17.14	17.20	17.23	18.80

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	512	661	810	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	29.47	29.78	29.68	30.80	20.47	20.78	20.68	21.80	21.80
GPRS 1 Tx slot	29.46	29.73	29.67	30.80	20.46	20.73	20.67	21.80	21.80
GPRS 2 Tx slots	27.11	27.35	27.29	28.80	21.11	21.35	21.29	22.80	22.80
GPRS 3 Tx slots	25.34	25.56	25.52	26.80	21.08	21.30	21.26	22.54	22.54
GPRS 4 Tx slots	24.01	24.26	24.18	25.30	21.01	21.26	21.18	22.30	22.30
EDGE(GMSK 1 Tx slot)	29.44	29.58	29.59	30.80	20.44	20.58	20.59	21.80	21.80
EDGE(GMSK 2 Tx slot)	27.04	27.28	27.18	28.80	21.04	21.28	21.18	22.80	22.80
EDGE(GMSK 3 Tx slot)	25.23	25.54	25.48	26.80	20.97	21.28	21.22	22.54	22.54
EDGE(GMSK 4 Tx slot)	23.98	24.12	24.10	25.30	20.88	21.12	21.10	22.30	22.30
EDGE 1 Tx slot	25.60	25.82	25.65	27.30	16.60	16.82	16.65	18.30	18.30
EDGE 2 Tx slots	22.80	22.91	22.80	24.80	16.80	16.91	16.80	18.80	18.80
EDGE 3 Tx slots	20.96	21.22	20.97	22.80	16.70	16.96	16.71	18.54	18.54
EDGE 4 Tx slots	20.35	20.39	20.30	22.30	17.35	17.39	17.30	19.30	19.30

Band	WCDMA IV_Ant 4				Tune-up Limit (dBm)	WCDMA IV_Ant 3				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
Rx Channel		1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	20.52	20.47	20.43	20.80	21.51	21.55	21.59	21.80	
3GPP Rel 99	AMR 12.2Kbps	20.53	20.55	20.47	20.80	21.56	21.64	21.61	21.80	
3GPP Rel 6	HSDPA Subtest-1	20.39	20.37	20.33	20.80	21.62	21.63	21.59	21.80	
3GPP Rel 6	HSDPA Subtest-2	20.40	20.38	20.34	20.80	21.60	21.56	21.62	21.80	
3GPP Rel 6	HSDPA Subtest-3	20.41	20.44	20.37	20.80	21.57	21.57	21.55	21.80	
3GPP Rel 6	HSDPA Subtest-4	20.39	20.38	20.33	20.80	21.60	21.56	21.63	21.80	
3GPP Rel 6	DC-HSDPA Subtest-1	20.34	20.25	20.22	20.80	21.51	21.48	21.57	21.80	
3GPP Rel 6	DC-HSDPA Subtest-2	20.26	20.28	20.22	20.80	21.54	21.51	21.50	21.80	
3GPP Rel 6	DC-HSDPA Subtest-3	20.31	20.41	20.30	20.80	21.48	21.61	21.52	21.80	
3GPP Rel 6	DC-HSDPA Subtest-4	20.25	20.30	20.23	20.80	21.53	21.52	21.61	21.80	
3GPP Rel 6	HSUPA Subtest-1	20.37	20.35	20.28	20.80	21.34	21.46	21.38	21.80	
3GPP Rel 6	HSUPA Subtest-2	20.45	20.43	20.35	20.80	21.42	21.50	21.41	21.80	
3GPP Rel 6	HSUPA Subtest-3	20.43	20.40	20.32	20.80	21.58	21.56	21.60	21.80	
3GPP Rel 6	HSUPA Subtest-4	20.39	20.42	20.37	20.80	20.90	20.94	20.93	21.80	
3GPP Rel 6	HSUPA Subtest-5	20.40	20.40	20.30	20.80	21.60	21.60	21.60	21.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.40	20.37	20.28	20.80	21.34	21.49	21.28	21.80	

Band 2_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				18700	18900	19100						
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	20.46	20.52	20.51	21.3	0				
20	QPSK	1	49	20.34	20.42	20.43						
20	QPSK	1	99	20.37	20.44	20.44						
20	QPSK	50	0	20.45	20.48	20.44	21.3	0				
20	QPSK	50	24	20.36	20.47	20.42						
20	QPSK	50	50	20.35	20.37	20.36						
20	QPSK	100	0	20.37	20.41	20.36	21.3	0				
20	16QAM	1	0	20.33	20.50	20.50						
20	16QAM	1	49	20.37	20.51	20.48						
20	16QAM	1	99	20.45	20.49	20.50	21.3	0				
20	16QAM	50	0	20.36	20.46	20.36						
20	16QAM	50	24	20.39	20.46	20.46						
20	16QAM	50	50	20.34	20.47	20.47	21.3	0				
20	16QAM	100	0	20.40	20.41	20.49						
20	64QAM	1	0	20.40	20.45	20.41						
20	64QAM	1	49	20.37	20.49	20.49	21.3	0				
20	64QAM	1	99	20.36	20.42	20.43						
20	64QAM	50	0	19.90	20.11	19.93						
20	64QAM	50	24	19.83	19.97	20.02	20.8	0.5				
20	64QAM	50	50	19.83	19.99	19.87						
20	64QAM	100	0	19.87	20.05	19.89						
Channel				18975	18900	19025	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18975	18900	19025						
15	QPSK	1	0	20.45	20.39	20.41	21.3	0				
15	QPSK	1	37	20.32	20.36	20.35						
15	QPSK	1	74	20.22	20.30	20.32						
15	QPSK	36	0	20.40	20.42	20.35	21.3	0				
15	QPSK	36	20	20.29	20.46	20.30						
15	QPSK	36	39	20.22	20.32	20.33						
15	QPSK	75	0	20.23	20.28	20.22	21.3	0				
15	16QAM	1	0	20.24	20.45	20.38						
15	16QAM	1	37	20.31	20.47	20.47						
15	16QAM	1	74	20.43	20.43	20.46	21.3	0				
15	16QAM	36	0	20.35	20.39	20.24						
15	16QAM	36	20	20.26	20.43	20.32						
15	16QAM	36	39	20.25	20.33	20.37	21.3	0				
15	16QAM	75	0	20.28	20.35	20.47						
15	64QAM	1	0	20.33	20.38	20.32						
15	64QAM	1	37	20.32	20.45	20.42	21.3	0				
15	64QAM	1	74	20.23	20.48	20.42						
15	64QAM	36	0	19.86	20.03	19.79						
15	64QAM	36	20	19.72	19.83	19.96	20.8	0.5				
15	64QAM	36	39	19.68	19.85	19.81						
15	64QAM	75	0	19.96	19.92	19.78						
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18850	18800	19005						
10	QPSK	1	0	20.42	20.42	20.48	21.3	0				
10	QPSK	1	25	20.22	20.28	20.41						
10	QPSK	1	49	20.23	20.31	20.32						
10	QPSK	25	0	20.35	20.39	20.33	21.3	0				
10	QPSK	25	12	20.26	20.44	20.40						
10	QPSK	25	25	20.30	20.27	20.26						
10	QPSK	50	0	20.25	20.30	20.26	21.3	0				
10	16QAM	1	0	20.25	20.37	20.41						
10	16QAM	1	25	20.36	20.45	20.36						
10	16QAM	1	49	20.38	20.41	20.48	21.3	0				
10	16QAM	25	0	20.22	20.45	20.32						
10	16QAM	25	12	20.35	20.33	20.44						
10	16QAM	25	25	20.32	20.32	20.41	21.3	0				
10	16QAM	50	0	20.34	20.31	20.34						
10	64QAM	1	0	20.29	20.33	20.32						
10	64QAM	1	25	20.36	20.36	20.46	21.3	0				
10	64QAM	1	49	20.24	20.32	20.30						
10	64QAM	25	0	19.89	20.06	19.90						
10	64QAM	25	12	19.81	19.86	19.87	20.8	0.5				
10	64QAM	25	25	19.73	19.86	19.84						
10	64QAM	50	0	19.67	19.99	19.88						
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18625	18800	19075						
5	QPSK	1	0	20.38	20.46	20.41	21.3	0				
5	QPSK	1	12	20.27	20.30	20.41						
5	QPSK	1	24	20.26	20.29	20.37						
5	QPSK	12	0	20.44	20.40	20.36	21.3	0				
5	QPSK	12	7	20.29	20.40	20.29						
5	QPSK	12	13	20.24	20.30	20.25						
5	QPSK	25	0	20.32	20.35	20.35	21.3	0				
5	16QAM	1	0	20.21	20.42	20.42						
5	16QAM	1	12	20.26	20.44	20.47						
5	16QAM	1	24	20.41	20.46	20.39	21.3	0				
5	16QAM	12	0	20.33	20.41	20.31						
5	16QAM	12	7	20.25	20.45	20.40						
5	16QAM	12	13	20.24	20.32	20.44	21.3	0				
5	16QAM	25	0	20.31	20.35	20.34						
5	64QAM	1	0	20.38	20.42	20.32						
5	64QAM	1	12	20.35	20.35	20.40	21.3	0				
5	64QAM	1	24	20.27	20.31	20.28						
5	64QAM	12	0	19.82	20.10	19.85						
5	64QAM	12	7	19.70	19.93	20.00	20.8	0.5				
5	64QAM	12	13	19.78	19.93	19.82						
5	64QAM	25	0	19.82	19.90	19.84						
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				18815	18800	19085						
3	QPSK	1	0	20.39	20.49	20.40	21.3	0				
3	QPSK	1	8	20.32	20.27	20.29						
3	QPSK	1	14	20.32	20.36	20.34						
3	QPSK	8	0	20.41	20.40	20.32	21.3	0				
3	QPSK	8	4	20.27	20.34	20.38						
3	QPSK	8	7	20.32	20.22	20.22						
3	QPSK	15	0	20.26	20.30	20.22	21.3	0				
3	16QAM	1	0	20.32	20.39	20.49						
3	16QAM	1	8	20.34	20.50	20.43						
3	16QAM	1	14	20.43	20.41	20.39	21.3	0				
3	16QAM	8	0	20.25	20.33	20.31						
3	16QAM	8	4	20.27	20.32	20.37						
3	16QAM	8	7	20.19	20.43	20.38	21.3	0				
3	16QAM	15	0	20.27	20.28	20.48						
3	64QAM	1	0	20.29	20.30	20.30						
3	64QAM	1	8	20.27	20.35	20.37	21.3	0				
3	64QAM	1	14	20.30	20.29	20.29						
3	64QAM	8	0	19.82	20.04	19.89						

Band 4_Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	20.12	20.16	20.09	21	0		
20	QPSK	1	49	19.99	20.11	19.94				
20	QPSK	1	99	20.01	20.06	19.96				
20	QPSK	50	0	20.01	20.08	20.02	21	0		
20	QPSK	50	24	20.00	20.05	19.97				
20	QPSK	50	50	19.97	20.04	19.95				
20	QPSK	100	0	19.98	20.04	19.96	21	0		
20	16QAM	1	0	20.03	20.07	20.08				
20	16QAM	1	49	20.00	20.08	20.07				
20	16QAM	1	99	20.01	20.07	20.04	21	0		
20	16QAM	50	0	19.99	20.15	20.08				
20	16QAM	50	24	20.05	20.02	19.94				
20	16QAM	50	50	20.07	20.05	19.94	21	0		
20	16QAM	100	0	20.04	20.02	20.01				
20	64QAM	1	0	19.97	20.10	19.97				
20	64QAM	1	49	19.99	20.12	19.97	21	0		
20	64QAM	1	99	20.07	20.12	19.95				
20	64QAM	50	0	19.98	20.06	20.02				
20	64QAM	50	24	20.04	20.04	19.97	21	0		
20	64QAM	50	50	20.04	20.02	19.98				
20	64QAM	100	0	19.99	20.12	19.95				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	20.10	20.08	19.96	21	0		
15	QPSK	1	37	19.87	20.02	19.89				
15	QPSK	1	74	19.95	19.91	19.82				
15	QPSK	36	0	19.90	20.05	19.91	21	0		
15	QPSK	36	20	19.85	19.96	19.84				
15	QPSK	36	39	19.92	19.92	19.85				
15	QPSK	75	0	19.86	19.96	19.89	21	0		
15	16QAM	1	0	19.91	19.94	20.05				
15	16QAM	1	37	19.93	19.95	20.02				
15	16QAM	1	74	19.94	20.03	19.90	21	0		
15	16QAM	36	0	19.84	20.06	19.95				
15	16QAM	36	20	19.99	19.92	19.87				
15	16QAM	36	39	19.92	19.95	19.92	21	0		
15	16QAM	75	0	19.99	19.94	19.94				
15	64QAM	1	0	19.85	20.02	19.87				
15	64QAM	1	37	19.98	19.99	19.95	21	0		
15	64QAM	1	74	19.96	20.06	19.86				
15	64QAM	36	0	19.97	19.98	19.94				
15	64QAM	36	20	19.92	20.03	19.84	21	0		
15	64QAM	36	39	19.89	19.99	19.97				
15	64QAM	75	0	19.88	20.03	19.93				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	19.97	20.02	19.95	21	0		
10	QPSK	1	25	19.87	20.08	19.86				
10	QPSK	1	49	20.00	19.95	19.92				
10	QPSK	25	0	19.86	19.99	19.89	21	0		
10	QPSK	25	12	19.86	19.92	19.91				
10	QPSK	25	25	19.95	20.01	19.88				
10	QPSK	50	0	19.88	20.02	19.90	21	0		
10	16QAM	1	0	19.90	20.06	20.03				
10	16QAM	1	25	19.86	19.95	19.94				
10	16QAM	1	49	19.94	19.92	19.95	21	0		
10	16QAM	25	0	19.91	20.00	19.93				
10	16QAM	25	12	19.98	19.90	19.84				
10	16QAM	25	25	19.97	20.04	19.93	21	0		
10	16QAM	50	0	19.90	19.88	19.92				
10	64QAM	1	0	19.82	19.97	19.83				
10	64QAM	1	25	19.97	20.10	19.85	21	0		
10	64QAM	1	49	19.92	20.06	19.88				
10	64QAM	25	0	19.97	20.00	19.94				
10	64QAM	25	12	19.90	20.01	19.90	21	0		
10	64QAM	25	25	19.95	19.92	19.96				
10	64QAM	50	0	19.96	20.06	19.91				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	19.98	20.04	19.95	21	0		
5	QPSK	1	12	19.98	19.96	19.93				
5	QPSK	1	24	19.96	19.99	19.86				
5	QPSK	12	0	19.96	20.01	19.97	21	0		
5	QPSK	12	7	19.85	19.92	19.83				
5	QPSK	12	13	19.89	19.98	19.92				
5	QPSK	25	0	19.83	19.94	19.86	21	0		
5	16QAM	1	0	19.94	19.99	20.03				
5	16QAM	1	12	19.99	19.94	20.03				
5	16QAM	1	24	19.96	20.00	20.02	21	0		
5	16QAM	12	0	19.88	20.10	20.04				
5	16QAM	12	7	19.91	19.88	19.93				
5	16QAM	12	13	20.01	20.03	19.93	21	0		
5	16QAM	25	0	19.98	19.97	19.93				
5	64QAM	1	0	19.95	19.95	19.86				
5	64QAM	1	12	19.98	20.07	19.90	21	0		
5	64QAM	1	24	20.06	20.01	19.85				
5	64QAM	12	0	19.96	20.00	19.88				
5	64QAM	12	7	20.02	19.94	19.83	21	0		
5	64QAM	12	13	19.89	19.87	19.88				
5	64QAM	25	0	19.87	20.08	19.85				
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	20.09	20.08	20.01	21	0		
3	QPSK	1	8	19.89	19.99	19.87				
3	QPSK	1	14	19.95	19.96	19.87				
3	QPSK	8	0	19.96	20.07	19.99	21	0		
3	QPSK	8	4	19.96	20.01	19.90				
3	QPSK	8	7	19.84	19.90	19.86				
3	QPSK	15	0	19.89	19.94	19.92	21	0		
3	16QAM	1	0	19.98	20.05	20.00				
3	16QAM	1	8	19.94	20.02	20.05				
3	16QAM	1	14	19.95	20.06	19.98	21	0		
3	16QAM	8	0	19.95	20.07	20.07				
3	16QAM	8	4	19.91	19.91	19.92				
3	16QAM	8	7	19.96	19.97	19.93	21	0		
3	16QAM	15	0	19.95	19.99	20.00				
3	64QAM	1	0	19.95	20.07	19.92				
3	64QAM	1	8	19.84	20.11	19.95	21	0		
3	64QAM	1	14	19.98	20.02	19.80				
3	64QAM	8	0	19.88	19.95	20.00				
3	64QAM	8	4	19.93	19.89	19.87	21	0		
3	64QAM	8	7	19.94	19.94	19.93				
3	64QAM	15	0	19.85	20.08	19.82				
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	19.97	20.05	20.07	21	0		
1.4	QPSK	1	3	19.92	19.96	19.83				
1.4	QPSK	1	5	19.92	19.94	19.82				
1.4	QPSK	3	0	19.93	20.01	19.97	21	0		
1.4	QPSK	3	1	19.95	20.02	19.92				
1.4	QPSK	3	1	19.95	19.98	19.85				
1.4	QPSK	6	0	19.90	20.03	19.92	21	0		
1.4	16QAM	1	0	19.93	20.02	19.96				
1.4	16QAM	1	3	19.90	20.04	19.97				
1.4	16QAM	1	5	19.98	19.99	19.92	21	0		
1.4	16QAM	3	0	19.89	20.12	19.92				
1.4	16QAM	3	1	19.90	19.93	19.84				
1.4	16QAM	3	3	20.04	19.98	19.79	21	0		
1.4	16QAM	6	0	19.95	19.92	19.91				
1.4	64QAM	1	0	19.90	20.08	19.92				
1.4	64QAM	1	3	19.89	20.11	19.87	21	0		
1.4	64QAM	1	5	20.04	20.02	19.89				
1.4	64QAM	3	0	19.95	19.96	19.87				
1.4	64QAM	3	1	20.01	20.02	19.93	21	0		
1.4	64QAM	3	3	20.02	19.89	19.89				
1.4	64QAM	6	0	19.93	20.09	19.89	21	0		

Band 5_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.28	21.33	21.30	22.5	0		
10	QPSK	1	25	21.25	21.32	21.19				
10	QPSK	1	49	21.15	21.25	21.27				
10	QPSK	25	0	21.24	21.28	21.22	22.5	0		
10	QPSK	25	12	21.15	21.18	21.21				
10	QPSK	25	25	21.15	21.19	21.16				
10	QPSK	50	0	21.21	21.27	21.19	22.5	0		
10	16QAM	1	0	21.14	21.23	21.21				
10	16QAM	1	25	21.21	21.25	21.09				
10	16QAM	1	49	21.01	21.19	21.25	22.5	0		
10	16QAM	25	0	21.12	21.25	21.19				
10	16QAM	25	12	21.07	21.16	21.15				
10	16QAM	25	25	21.08	21.11	21.03	22.5	0		
10	16QAM	50	0	21.12	21.24	21.16				
10	16QAM	1	0	21.13	21.26	21.19				
10	64QAM	1	25	21.20	21.25	21.06	22.5	0		
10	64QAM	1	49	21.02	21.11	21.24				
10	64QAM	25	0	20.65	20.75	20.66				
10	64QAM	25	12	20.77	20.70	20.70	22	0.5		
10	64QAM	25	25	20.55	20.76	20.64				
10	64QAM	50	0	20.72	20.72	20.66				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	846.5				
5	QPSK	1	0	21.19	21.29	21.24	22.5	0		
5	QPSK	1	12	21.19	21.28	21.15				
5	QPSK	1	24	21.14	21.18	21.22				
5	QPSK	12	0	21.18	21.24	21.14	22.5	0		
5	QPSK	12	7	21.08	21.05	21.11				
5	QPSK	12	13	21.02	21.17	21.12				
5	QPSK	25	0	21.15	21.16	21.11	22.5	0		
5	16QAM	1	0	21.07	21.22	21.14				
5	16QAM	1	12	21.10	21.24	20.94				
5	16QAM	1	24	20.97	21.06	21.10	22.5	0		
5	16QAM	12	0	21.01	21.20	21.17				
5	16QAM	12	7	20.98	21.14	21.01				
5	16QAM	12	13	20.98	21.09	21.00	22.5	0		
5	16QAM	25	0	21.03	21.19	21.06				
5	64QAM	1	0	21.01	21.22	21.10				
5	64QAM	1	12	21.10	21.24	20.92	22.5	0		
5	64QAM	1	24	20.88	20.96	21.21				
5	64QAM	12	0	20.57	20.60	20.55				
5	64QAM	12	7	20.64	20.69	20.60	22	0.5		
5	64QAM	12	13	20.47	20.71	20.53				
5	64QAM	25	0	20.59	20.61	20.53				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	21.27	21.28	21.15	22.5	0		
3	QPSK	1	8	21.21	21.22	21.16				
3	QPSK	1	14	21.04	21.10	21.17				
3	QPSK	8	0	21.09	21.19	21.08	22.5	0		
3	QPSK	8	4	21.01	21.16	21.11				
3	QPSK	8	7	21.00	21.13	21.09				
3	QPSK	15	0	21.18	21.24	21.18	22.5	0		
3	16QAM	1	0	21.07	21.08	21.12				
3	16QAM	1	8	21.08	21.18	20.95				
3	16QAM	1	14	21.00	21.14	21.14	22.5	0		
3	16QAM	8	0	21.09	21.11	21.17				
3	16QAM	8	4	21.04	21.05	21.14				
3	16QAM	8	7	21.02	20.96	20.97	22	0.5		
3	16QAM	15	0	21.03	21.15	21.13				
3	64QAM	1	0	21.07	21.22	21.13				
3	64QAM	1	8	21.10	21.14	20.99	22.5	0		
3	64QAM	1	14	20.94	21.03	21.22				
3	64QAM	8	0	20.51	20.63	20.60				
3	64QAM	8	4	20.76	20.60	20.62	22	0.5		
3	64QAM	8	7	20.40	20.62	20.53				
3	64QAM	15	0	20.62	20.70	20.59				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	21.21	21.31	21.19	22.5	0		
1.4	QPSK	1	3	21.20	21.28	21.12				
1.4	QPSK	1	5	21.10	21.24	21.14				
1.4	QPSK	3	0	21.09	21.20	21.15	22.5	0		
1.4	QPSK	3	1	21.13	21.06	21.19				
1.4	QPSK	3	3	21.03	21.08	21.11				
1.4	QPSK	6	0	21.10	21.15	21.10	22.5	0		
1.4	16QAM	1	0	21.06	21.19	21.11				
1.4	16QAM	1	3	21.09	21.15	21.04				
1.4	16QAM	1	5	20.98	21.13	21.12	22.5	0		
1.4	16QAM	3	0	21.04	21.24	21.04				
1.4	16QAM	3	1	21.02	21.15	21.03				
1.4	16QAM	3	3	21.05	21.09	20.94	22.5	0		
1.4	16QAM	6	0	21.05	21.10	21.10				
1.4	64QAM	1	0	21.02	21.25	21.14				
1.4	64QAM	1	3	21.11	21.15	20.94	22.5	0		
1.4	64QAM	1	5	20.87	21.06	21.15				
1.4	64QAM	3	0	21.18	21.18	21.27				
1.4	64QAM	3	1	21.11	21.25	21.07	22	0.5		
1.4	64QAM	3	3	21.03	21.21	21.24				
1.4	64QAM	6	0	20.70	20.62	20.51				

Band 5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	21.96	21.98	21.94	22	0		
10	QPSK	1	25	21.84	21.89	21.81				
10	QPSK	1	49	21.88	21.83	21.89				
10	QPSK	25	0	21.88	21.95	21.93	22	0		
10	QPSK	25	12	21.82	21.85	21.83				
10	QPSK	25	25	21.81	21.87	21.79				
10	QPSK	50	0	21.90	21.92	21.88	22	0		
10	16QAM	1	0	21.86	21.95	21.86				
10	16QAM	1	25	21.85	21.88	21.90				
10	16QAM	1	49	21.95	21.87	21.85	22	0		
10	16QAM	25	0	21.76	21.72	21.57				
10	16QAM	25	12	21.62	21.79	21.68				
10	16QAM	25	25	21.66	21.81	21.60	22	0		
10	16QAM	50	0	21.74	21.79	21.77				
10	64QAM	1	0	21.80	21.79	21.86				
10	64QAM	1	25	21.83	21.84	21.91	22	0		
10	64QAM	1	49	21.83	21.84	21.83				
10	64QAM	25	0	20.65	20.75	20.66				
10	64QAM	25	12	20.61	20.67	20.68	21	1		
10	64QAM	25	25	20.58	20.67	20.61				
10	64QAM	50	0	20.62	20.78	20.76				
Channel				20425	20525	20625				
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dbm)	MPR (dB)		
5	QPSK	1	0	21.87	21.96	21.84	22	0		
5	QPSK	1	12	21.79	21.87	21.70				
5	QPSK	1	24	21.73	21.69	21.83				
5	QPSK	12	0	21.78	21.91	21.92	22	0		
5	QPSK	12	7	21.75	21.77	21.73				
5	QPSK	12	13	21.69	21.75	21.70				
5	QPSK	25	0	21.87	21.87	21.75	22	0		
5	16QAM	1	0	21.73	21.80	21.77				
5	16QAM	1	12	21.78	21.73	21.77				
5	16QAM	1	24	21.91	21.80	21.74	22	0		
5	16QAM	12	0	21.71	21.69	21.55				
5	16QAM	12	7	21.59	21.74	21.54				
5	16QAM	12	13	21.62	21.70	21.53	22	0		
5	16QAM	25	0	21.60	21.73	21.76				
5	64QAM	1	0	21.75	21.78	21.71				
5	64QAM	1	12	21.77	21.71	21.79	22	0		
5	64QAM	1	24	21.77	21.75	21.75				
5	64QAM	12	0	20.57	20.73	20.65				
5	64QAM	12	7	20.56	20.66	20.57	21	1		
5	64QAM	12	13	20.45	20.64	20.47				
5	64QAM	25	0	20.49	20.74	20.65				
Channel				20415	20525	20635				
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dbm)	MPR (dB)		
3	QPSK	1	0	21.82	21.94	21.83	22	0		
3	QPSK	1	8	21.75	21.98	21.77				
3	QPSK	1	14	21.80	21.88	21.85				
3	QPSK	8	0	21.81	21.98	21.75	22	0		
3	QPSK	8	4	21.70	21.72	21.69				
3	QPSK	8	7	21.72	21.84	21.68				
3	QPSK	15	0	21.88	21.87	21.76	22	0		
3	16QAM	1	0	21.83	21.90	21.78				
3	16QAM	1	8	21.84	21.83	21.84				
3	16QAM	1	14	21.90	21.79	21.71	22	0		
3	16QAM	8	0	21.69	21.77	21.48				
3	16QAM	8	4	21.51	21.71	21.55				
3	16QAM	8	7	21.53	21.67	21.55	22	0		
3	16QAM	15	0	21.70	21.64	21.67				
3	64QAM	1	0	21.76	21.65	21.82				
3	64QAM	1	8	21.81	21.79	21.82	22	0		
3	64QAM	1	14	21.69	21.79	21.68				
3	64QAM	8	0	20.56	20.69	20.52				
3	64QAM	8	4	20.46	20.54	20.60	21	1		
3	64QAM	8	7	20.47	20.64	20.52				
3	64QAM	15	0	20.61	20.72	20.73				
Channel				20407	20525	20643				
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dbm)	MPR (dB)		
1.4	QPSK	1	0	21.86	21.83	21.79	22	0		
1.4	QPSK	1	3	21.73	21.84	21.66				
1.4	QPSK	1	5	21.87	21.71	21.79				
1.4	QPSK	3	0	21.82	21.85	21.90	22	0		
1.4	QPSK	3	1	21.75	21.72	21.78				
1.4	QPSK	3	3	21.75	21.82	21.68				
1.4	QPSK	6	0	21.77	21.80	21.74	22	0		
1.4	16QAM	1	0	21.77	21.90	21.81				
1.4	16QAM	1	3	21.76	21.73	21.76				
1.4	16QAM	1	5	21.88	21.75	21.70	22	0		
1.4	16QAM	3	0	21.62	21.58	21.51				
1.4	16QAM	3	1	21.53	21.67	21.58				
1.4	16QAM	3	3	21.52	21.67	21.49	22	0		
1.4	16QAM	6	0	21.61	21.69	21.66				
1.4	64QAM	1	0	21.69	21.78	21.84				
1.4	64QAM	1	3	21.76	21.81	21.87	22	0		
1.4	64QAM	1	5	21.68	21.64	21.76				
1.4	64QAM	3	1	21.73	21.71	21.84				
1.4	64QAM	3	3	21.60	21.59	21.65	21	1		
1.4	64QAM	6	0	20.48	20.70	20.55				

Band 7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350	2510	2535	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.01	21.10	21.07	21.5	0	
20	QPSK	1	49	20.87	21.03	20.98			
20	QPSK	1	99	21.00	21.00	20.97			
20	QPSK	50	0	20.96	21.06	21.05	21.5	0	
20	QPSK	50	24	20.88	21.02	20.97			
20	QPSK	50	50	20.92	21.01	20.94			
20	QPSK	100	0	20.97	21.04	20.95	21.5	0	
20	16QAM	1	0	20.99	21.00	21.04			
20	16QAM	1	49	20.93	21.04	21.01			
20	16QAM	1	99	20.88	21.09	20.96	21.5	0	
20	16QAM	50	0	20.87	21.00	20.94			
20	16QAM	50	24	20.87	21.04	20.94			
20	16QAM	50	50	20.93	20.95	21.00	21.5	0	
20	16QAM	100	0	20.94	21.05	20.92			
20	64QAM	1	0	20.89	21.04	20.96			
20	64QAM	1	49	20.93	21.01	21.04	21.5	0	
20	64QAM	1	99	20.92	21.08	20.95			
20	64QAM	50	0	20.95	20.99	20.93			
20	64QAM	50	24	20.91	21.08	20.92	21.5	0	
20	64QAM	50	50	20.96	20.99	20.95			
20	64QAM	100	0	20.87	21.04	21.02			
Channel				20925	21100	21315	2507.5	2535	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.90	20.98	20.94	21.5	0	
15	QPSK	1	37	20.81	20.89	20.93			
15	QPSK	1	74	20.87	20.87	20.86			
15	QPSK	36	0	20.83	20.97	21.00	21.5	0	
15	QPSK	36	20	20.79	20.92	20.93			
15	QPSK	36	39	20.91	21.00	20.89			
15	QPSK	75	0	20.87	20.91	20.87	21.5	0	
15	16QAM	1	0	20.91	20.98	20.98			
15	16QAM	1	37	20.92	20.89	20.93			
15	16QAM	1	74	20.85	21.00	20.82	21.5	0	
15	16QAM	36	0	20.80	20.86	20.85			
15	16QAM	36	20	20.80	20.93	20.80			
15	16QAM	36	39	20.79	20.94	20.85	21.5	0	
15	16QAM	75	0	20.81	20.96	20.78			
15	64QAM	1	0	20.80	20.92	20.87			
15	64QAM	1	37	20.83	20.86	20.98	21.5	0	
15	64QAM	1	74	20.84	21.07	20.92			
15	64QAM	36	0	20.81	20.94	20.89			
15	64QAM	36	20	20.81	21.07	20.88	21.5	0	
15	64QAM	36	39	20.81	20.86	20.94			
15	64QAM	75	0	20.84	20.97	21.01			
Channel				20800	21100	21400	2505	2535	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.97	21.09	21.02	21.5	0	
10	QPSK	1	25	20.84	20.96	20.89			
10	QPSK	1	49	20.90	20.92	20.90			
10	QPSK	25	0	20.87	21.05	21.03	21.5	0	
10	QPSK	25	12	20.78	20.96	20.96			
10	QPSK	25	25	20.88	20.93	20.88			
10	QPSK	50	0	20.88	20.98	20.86	21.5	0	
10	16QAM	1	0	20.98	20.98	20.91			
10	16QAM	1	25	20.90	20.99	20.99			
10	16QAM	1	49	20.75	20.97	20.89	21.5	0	
10	16QAM	25	0	20.74	20.98	20.90			
10	16QAM	25	12	20.84	20.99	20.85			
10	16QAM	25	25	20.89	20.91	20.93	21.5	0	
10	16QAM	50	0	20.88	21.01	20.85			
10	64QAM	1	0	20.75	20.91	20.85			
10	64QAM	1	25	20.85	20.92	20.97	21.5	0	
10	64QAM	1	49	20.86	20.96	20.90			
10	64QAM	25	0	20.86	20.89	20.87			
10	64QAM	25	12	20.80	21.06	20.84	21.5	0	
10	64QAM	25	25	20.85	20.96	20.83			
10	64QAM	50	0	20.82	21.02	20.97			
Channel				20775	21100	21425	2502.5	2535	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.97	21.08	20.97	21.5	0	
5	QPSK	1	12	20.78	21.01	20.83			
5	QPSK	1	24	20.88	20.85	20.91			
5	QPSK	12	0	20.93	20.96	20.98	21.5	0	
5	QPSK	12	7	20.81	21.00	20.96			
5	QPSK	12	13	20.78	20.94	20.82			
5	QPSK	25	0	20.91	20.99	20.81	21.5	0	
5	16QAM	1	0	20.90	20.86	20.93			
5	16QAM	1	12	20.83	20.96	20.96			
5	16QAM	1	24	20.85	21.05	20.81	21.5	0	
5	16QAM	12	0	20.86	20.94	20.85			
5	16QAM	12	7	20.77	20.93	20.79			
5	16QAM	12	13	20.80	20.87	20.97	21.5	0	
5	16QAM	25	0	20.88	21.04	20.87			
5	64QAM	1	0	20.77	20.97	20.95			
5	64QAM	1	12	20.80	20.98	20.96	21.5	0	
5	64QAM	1	24	20.86	20.94	20.93			
5	64QAM	12	0	20.84	20.95	20.90			
5	64QAM	12	7	20.75	21.06	20.82	21.5	0	
5	64QAM	12	13	20.93	20.86	20.86			
5	64QAM	25	0	20.83	20.94	20.97			

Band 7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20850	21100	21350	2510		
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.43	20.45	20.42	22	0	
20	QPSK	1	49	20.34	20.35	20.30			
20	QPSK	1	99	20.40	20.37	20.33			
20	QPSK	50	0	20.39	20.43	20.39	22	0	
20	QPSK	50	24	20.33	20.33	20.27			
20	QPSK	50	50	20.31	20.31	20.36			
20	QPSK	100	0	20.30	20.36	20.29	22	0	
20	16QAM	1	0	20.29	20.37	20.33			
20	16QAM	1	49	20.38	20.35	20.39			
20	16QAM	1	99	20.41	20.37	20.34	21	1	
20	16QAM	50	0	19.80	19.70	19.78			
20	16QAM	50	24	19.68	19.86	19.71			
20	16QAM	50	50	19.75	19.90	19.74	21	1	
20	16QAM	100	0	19.68	19.79	19.61			
20	64QAM	1	0	19.12	19.26	19.16			
20	64QAM	1	49	19.37	19.39	19.37	21	1	
20	64QAM	1	99	19.32	19.52	19.33			
20	64QAM	50	0	18.68	18.82	18.69			
20	64QAM	50	24	18.66	18.76	18.87	20	2	
20	64QAM	50	50	18.72	18.84	18.79			
20	64QAM	100	0	18.71	18.75	18.83			
Channel				20825	21100	21375	2507.5		
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.30	20.34	20.31	22	0	
15	QPSK	1	37	20.19	20.21	20.27			
15	QPSK	1	74	20.34	20.32	20.32			
15	QPSK	36	0	20.27	20.28	20.34	22	0	
15	QPSK	36	20	20.28	20.29	20.21			
15	QPSK	36	39	20.33	20.33	20.26	22	0	
15	QPSK	75	0	20.21	20.23	20.24			
15	16QAM	1	0	20.27	20.24	20.27	22	0	
15	16QAM	1	37	20.25	20.42	20.43			
15	16QAM	1	74	20.33	20.43	20.28			
15	16QAM	36	0	19.70	19.61	19.77	21	1	
15	16QAM	36	20	19.57	19.81	19.68			
15	16QAM	36	39	19.68	19.82	19.66			
15	16QAM	75	0	19.53	19.76	19.60	21	1	
15	64QAM	1	0	19.03	19.25	19.10			
15	64QAM	1	37	19.28	19.33	19.33	20	2	
15	64QAM	1	74	19.19	19.39	19.32			
15	64QAM	36	0	18.63	18.68	18.68	20	2	
15	64QAM	36	20	18.53	18.66	18.75			
15	64QAM	36	39	18.66	18.76	18.77			
15	64QAM	75	0	18.59	18.60	18.69	21	1	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.30	20.39	20.28	22	0	
10	QPSK	1	25	20.33	20.27	20.28			
10	QPSK	1	49	20.33	20.33	20.26			
10	QPSK	25	0	20.32	20.29	20.29	22	0	
10	QPSK	25	12	20.28	20.18	20.26			
10	QPSK	25	25	20.22	20.28	20.32			
10	QPSK	50	0	20.17	20.32	20.16	22	0	
10	16QAM	1	0	20.26	20.29	20.27			
10	16QAM	1	25	20.30	20.36	20.38			
10	16QAM	1	49	20.31	20.41	20.31	21	1	
10	16QAM	25	0	19.76	19.61	19.69			
10	16QAM	25	12	19.64	19.73	19.61			
10	16QAM	25	25	19.66	19.80	19.60	21	1	
10	16QAM	50	0	19.61	19.68	19.52			
10	64QAM	1	0	19.08	19.19	19.02			
10	64QAM	1	25	19.34	19.29	19.35	21	1	
10	64QAM	1	49	19.23	19.43	19.23			
10	64QAM	25	0	18.62	18.68	18.61			
10	64QAM	25	12	18.61	18.73	18.76	20	2	
10	64QAM	25	25	18.66	18.75	18.68			
10	64QAM	50	0	18.66	18.72	18.61			
Channel				20775	21100	21425	2506.5		
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.20	20.44	20.33	22	0	
5	QPSK	1	12	20.31	20.31	20.24			
5	QPSK	1	24	20.35	20.25	20.19			
5	QPSK	12	0	20.29	20.34	20.36	22	0	
5	QPSK	12	7	20.23	20.18	20.26			
5	QPSK	12	13	20.30	20.21	20.28			
5	QPSK	25	0	20.16	20.24	20.19	22	0	
5	16QAM	1	0	20.22	20.35	20.24			
5	16QAM	1	12	20.27	20.43	20.35			
5	16QAM	1	24	20.27	20.42	20.28	21	1	
5	16QAM	12	0	19.68	19.61	19.74			
5	16QAM	12	7	19.53	19.84	19.60			
5	16QAM	12	13	19.68	19.87	19.65	21	1	
5	16QAM	25	0	19.59	19.74	19.54			
5	64QAM	1	0	19.11	19.20	19.09			
5	64QAM	1	12	19.22	19.30	19.36	21	1	
5	64QAM	1	24	19.24	19.13	19.21			
5	64QAM	12	0	18.55	18.70	18.57			
5	64QAM	12	7	18.53	18.62	18.72	20	2	
5	64QAM	12	13	18.58	18.70	18.72			
5	64QAM	25	0	18.56	18.62	18.72			

Band 12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23060	23095	23130	23.5	0	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.76	22.81	22.77			
10	QPSK	1	25	22.62	22.72	22.66			
10	QPSK	1	49	22.62	22.67	22.63	23	0.5	
10	QPSK	25	0	22.08	22.14	22.10			
10	QPSK	25	12	22.03	22.06	22.05			
10	QPSK	25	25	22.02	22.09	22.00			
10	QPSK	50	0	22.06	22.08	22.07	23	0.5	
10	16QAM	1	0	22.18	22.37	22.23			
10	16QAM	1	25	22.29	22.38	22.31			
10	16QAM	1	49	22.28	22.43	22.45			
10	16QAM	25	0	21.01	21.17	21.12	22	1.5	
10	16QAM	25	12	21.01	21.14	21.06			
10	16QAM	25	25	21.15	21.20	21.14			
10	16QAM	50	0	20.99	21.21	21.10			
10	64QAM	1	0	21.11	21.19	21.03	22	1.5	
10	64QAM	1	25	21.09	21.21	21.19			
10	64QAM	1	49	21.35	21.36	21.15			
10	64QAM	25	0	19.96	20.04	20.03			
10	64QAM	25	12	19.98	20.06	20.10	21	2.5	
10	64QAM	25	25	20.12	20.06	20.09			
10	64QAM	50	0	20.06	20.10	20.09			
Channel				23095	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5	23.5	0	
5	QPSK	1	0	22.65	22.75	22.68			
5	QPSK	1	12	22.57	22.61	22.62			
5	QPSK	1	24	22.58	22.58	22.54	23	0.5	
5	QPSK	12	0	21.94	22.13	21.97			
5	QPSK	12	7	21.98	21.96	21.90			
5	QPSK	12	13	22.00	21.98	21.96			
5	QPSK	25	0	21.95	22.06	21.95	23	0.5	
5	16QAM	1	0	22.09	22.34	22.20			
5	16QAM	1	12	22.27	22.34	22.28			
5	16QAM	1	24	22.19	22.31	22.39			
5	16QAM	12	0	20.96	21.07	21.05	22	1.5	
5	16QAM	12	7	20.93	21.13	21.04			
5	16QAM	12	13	21.01	21.17	21.00			
5	16QAM	25	0	20.89	21.10	21.08			
5	64QAM	1	0	21.05	21.04	20.90	22	1.5	
5	64QAM	1	12	20.96	21.16	21.04			
5	64QAM	1	24	21.34	21.34	21.04			
5	64QAM	12	0	19.93	19.96	20.01			
5	64QAM	12	7	19.95	20.03	20.08	21	2.5	
5	64QAM	12	13	20.03	19.93	19.95			
5	64QAM	25	0	19.93	20.06	19.94			
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	714.5	23.5	0	
3	QPSK	1	0	22.73	22.74	22.70			
3	QPSK	1	8	22.60	22.65	22.55			
3	QPSK	1	14	22.58	22.56	22.51	23	0.5	
3	QPSK	8	0	22.03	22.04	22.06			
3	QPSK	8	4	21.92	21.95	21.95			
3	QPSK	8	7	21.88	22.05	21.90			
3	QPSK	15	0	22.03	22.06	21.99	23	0.5	
3	16QAM	1	0	22.10	22.29	22.09			
3	16QAM	1	8	22.28	22.36	22.20			
3	16QAM	1	14	22.16	22.29	22.30			
3	16QAM	8	0	20.93	21.09	21.00	22	1.5	
3	16QAM	8	4	20.93	21.03	20.94			
3	16QAM	8	7	21.05	21.12	21.11			
3	16QAM	15	0	20.97	21.15	21.04			
3	64QAM	1	0	20.99	21.15	20.90	22	1.5	
3	64QAM	1	8	20.95	21.09	21.12			
3	64QAM	1	14	21.27	21.26	21.02			
3	64QAM	8	0	19.88	19.95	20.00			
3	64QAM	8	4	19.96	19.94	20.02	21	2.5	
3	64QAM	8	7	20.01	19.92	19.93			
3	64QAM	15	0	19.99	19.98	20.07			
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				699.7	707.5	715.3	23.5	0	
1.4	QPSK	1	0	22.64	22.68	22.70			
1.4	QPSK	1	3	22.59	22.59	22.56			
1.4	QPSK	1	5	22.56	22.55	22.56	23	0.5	
1.4	QPSK	3	0	22.53	22.54	22.66			
1.4	QPSK	3	1	22.45	22.57	22.46			
1.4	QPSK	3	3	22.55	22.42	22.45			
1.4	QPSK	6	0	22.02	21.93	22.03	23	1.5	
1.4	16QAM	1	0	22.16	22.24	22.10			
1.4	16QAM	1	3	22.14	22.27	22.16			
1.4	16QAM	1	5	22.25	22.34	22.43			
1.4	16QAM	3	0	22.03	22.16	21.96	23	0.5	
1.4	16QAM	3	1	22.01	22.23	22.09			
1.4	16QAM	3	3	22.19	22.24	22.39			
1.4	16QAM	6	0	20.97	21.12	21.03			
1.4	64QAM	1	0	20.97	21.17	20.99	22	1.5	
1.4	64QAM	1	3	20.97	21.12	21.04			
1.4	64QAM	1	5	21.31	21.34	21.09			
1.4	64QAM	3	0	20.82	21.08	20.94			
1.4	64QAM	3	1	20.95	21.05	20.91	21	2.5	
1.4	64QAM	3	3	21.27	21.32	20.99			
1.4	64QAM	6	0	20.03	19.97	20.04			

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				23230			23.3	0	
Frequency (MHz)				782					
10	QPSK	1	0	22.17					
10	QPSK	1	25	22.13					
10	QPSK	1	49	22.14			22.8	0.5	
10	QPSK	25	0	21.65					
10	QPSK	25	12	21.64					
10	QPSK	25	25	21.64					
10	QPSK	50	0	21.64			22.8	0.5	
10	16QAM	1	0	21.95					
10	16QAM	1	25	21.95					
10	16QAM	1	49	21.92					
10	16QAM	25	0	20.62			21.8	1.5	
10	16QAM	25	12	20.63					
10	16QAM	25	25	20.63					
10	16QAM	50	0	20.63					
10	64QAM	1	0	20.88			21.8	1.5	
10	64QAM	1	25	20.82					
10	64QAM	1	49	20.79					
10	64QAM	25	0	19.62					
10	64QAM	25	12	19.62			20.8	2.5	
10	64QAM	25	25	19.67					
10	64QAM	50	0	19.61					
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				779.5	782	784.5	23.3	0	
5	QPSK	1	0	22.02	22.04	22.05			
5	QPSK	1	12	22.05	22.09	21.98			
5	QPSK	1	24	22.11	22.02	22.13	22.8	0.5	
5	QPSK	12	0	21.62	21.57	21.51			
5	QPSK	12	7	21.51	21.52	21.54			
5	QPSK	12	13	21.56	21.57	21.61			
5	QPSK	25	0	21.59	21.61	21.50	22.8	0.5	
5	16QAM	1	0	21.93	21.85	21.92			
5	16QAM	1	12	21.94	21.92	21.92			
5	16QAM	1	24	21.87	21.90	21.77			
5	16QAM	12	0	20.56	20.51	20.54	21.8	1.5	
5	16QAM	12	7	20.61	20.54	20.48			
5	16QAM	12	13	20.62	20.57	20.61			
5	16QAM	25	0	20.54	20.54	20.54			
5	64QAM	1	0	20.77	20.77	20.85	21.8	1.5	
5	64QAM	1	12	20.68	20.67	20.75			
5	64QAM	1	24	20.68	20.65	20.65			
5	64QAM	12	0	19.61	19.56	19.49			
5	64QAM	12	7	19.61	19.53	19.50	20.8	2.5	
5	64QAM	12	13	19.63	19.54	19.51			
5	64QAM	25	0	19.57	19.51	19.53			

Band 17_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800	23.5	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.42	22.52	22.50	23.5	0	
10	QPSK	1	25	22.35	22.38	22.48			
10	QPSK	1	49	22.36	22.51	22.37			
10	QPSK	25	0	22.40	22.49	22.46			
10	QPSK	25	12	22.34	22.41	22.38			
10	QPSK	25	25	22.38	22.37	22.35	23.5	0	
10	QPSK	50	0	22.38	22.47	22.44			
10	16QAM	1	0	22.31	22.38	22.38			
10	16QAM	1	25	22.41	22.46	22.45			
10	16QAM	1	49	22.37	22.47	22.47			
10	16QAM	25	0	21.83	21.89	21.79	23	0.5	
10	16QAM	25	12	21.75	21.84	21.66			
10	16QAM	25	25	21.81	21.96	21.87			
10	16QAM	50	0	21.80	21.83	21.82			
10	64QAM	1	0	21.96	22.02	21.92			
10	64QAM	1	25	21.87	22.03	22.02	23	0.5	
10	64QAM	1	49	21.91	22.07	21.91			
10	64QAM	25	0	20.84	20.96	20.73			
10	64QAM	25	12	20.73	20.89	20.73			
10	64QAM	25	25	20.82	20.85	20.94			
10	64QAM	50	0	20.88	20.83	20.77	22	1.5	
Channel				23755	23760	23765			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.39	22.44	22.43	23.5	0	
5	QPSK	1	12	22.23	22.24	22.34			
5	QPSK	1	24	22.21	22.43	22.35			
5	QPSK	12	0	22.27	22.38	22.34			
5	QPSK	12	7	22.24	22.25	22.33			
5	QPSK	12	13	22.26	22.34	22.31	23.5	0	
5	QPSK	25	0	22.29	22.45	22.39			
5	16QAM	1	0	22.28	22.28	22.30			
5	16QAM	1	12	22.26	22.44	22.34			
5	16QAM	1	24	22.27	22.44	22.45			
5	16QAM	12	0	21.79	21.79	21.64	23	0.5	
5	16QAM	12	7	21.68	21.72	21.63			
5	16QAM	12	13	21.66	21.82	21.72			
5	16QAM	25	0	21.68	21.78	21.74			
5	64QAM	1	0	21.89	22.01	21.89			
5	64QAM	1	12	21.85	21.88	21.88	22	1.5	
5	64QAM	1	24	21.76	21.95	21.84			
5	64QAM	12	0	20.71	20.84	20.66			
5	64QAM	12	7	20.66	20.74	20.72			
5	64QAM	12	13	20.68	20.84	20.92			
5	64QAM	25	0	20.73	20.70	20.76			

Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800	23.5	0	
Frequency (MHz)				709	710	711			
10	QPSK	1	0	22.72	22.75	22.73	23	0.5	
10	QPSK	1	25	22.68	22.81	22.70			
10	QPSK	1	49	22.66	22.73	22.66			
10	QPSK	25	0	22.12	22.23	22.16			
10	QPSK	25	12	21.90	22.09	21.89			
10	QPSK	25	25	22.03	22.19	22.07	23	0.5	
10	QPSK	50	0	22.06	22.14	22.05			
10	16QAM	1	0	22.32	22.43	22.46			
10	16QAM	1	25	22.25	22.37	22.33			
10	16QAM	1	49	22.22	22.44	22.25			
10	16QAM	25	0	20.93	21.18	20.98	22	1.5	
10	16QAM	25	12	20.89	21.02	21.09			
10	16QAM	25	25	21.09	21.20	21.14			
10	16QAM	50	0	21.03	21.04	21.11			
10	64QAM	1	0	21.27	21.30	21.24			
10	64QAM	1	25	21.16	21.33	21.23	22	1.5	
10	64QAM	1	49	21.32	21.31	21.21			
10	64QAM	25	0	20.11	20.08	19.97			
10	64QAM	25	12	19.93	20.09	19.93			
10	64QAM	25	25	20.07	20.12	20.00			
10	64QAM	50	0	20.01	20.20	20.05	21	2.5	
Channel				23755	23760	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.59	22.60	22.65	23.5	0	
5	QPSK	1	12	22.59	22.58	22.59			
5	QPSK	1	24	22.57	22.61	22.54			
5	QPSK	12	0	22.09	22.15	22.10			
5	QPSK	12	7	21.86	22.00	21.78			
5	QPSK	12	13	21.93	22.07	22.00	23	0.5	
5	QPSK	25	0	22.03	22.03	21.91			
5	16QAM	1	0	22.19	22.29	22.39			
5	16QAM	1	12	22.16	22.30	22.23			
5	16QAM	1	24	22.11	22.38	22.15			
5	16QAM	12	0	20.82	21.17	20.90	22	1.5	
5	16QAM	12	7	20.86	20.98	21.08			
5	16QAM	12	13	21.02	21.17	20.99			
5	16QAM	25	0	20.90	20.90	21.09			
5	64QAM	1	0	21.24	21.29	21.19			
5	64QAM	1	12	21.12	21.31	21.13	22	1.5	
5	64QAM	1	24	21.30	21.27	21.07			
5	64QAM	12	0	19.99	20.00	19.88			
5	64QAM	12	7	19.89	20.03	19.84			
5	64QAM	12	13	19.97	19.98	19.89			
5	64QAM	25	0	19.92	20.06	20.01			

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965	22.5	0	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.39	21.48	21.44	22.5	0	
15	QPSK	1	37	21.32	21.43	21.36			
15	QPSK	1	74	21.35	21.35	21.43			
15	QPSK	36	0	21.38	21.47	21.40			
15	QPSK	36	20	21.28	21.44	21.30			
15	QPSK	36	39	21.36	21.44	21.37	22.5	0	
15	QPSK	75	0	21.29	21.45	21.29			
15	16QAM	1	0	21.37	21.40	21.30			
15	16QAM	1	37	21.36	21.46	21.33			
15	16QAM	1	74	21.34	21.45	21.36			
15	16QAM	36	0	21.34	21.47	21.33	22.5	0	
15	16QAM	36	20	21.28	21.45	21.39			
15	16QAM	36	39	21.25	21.36	21.36			
15	16QAM	75	0	21.38	21.38	21.34			
15	64QAM	1	0	21.26	21.45	21.31			
15	64QAM	1	37	21.31	21.33	21.43	22.5	0	
15	64QAM	1	74	21.25	21.36	21.33			
15	64QAM	36	0	20.83	20.96	20.86			
15	64QAM	36	20	20.93	20.93	20.79			
15	64QAM	36	39	20.86	20.87	20.92			
15	64QAM	75	0	20.89	20.87	20.97	22	0.5	
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.35	21.39	21.31	22.5	0	
10	QPSK	1	25	21.24	21.40	21.30			
10	QPSK	1	49	21.23	21.32	21.37			
10	QPSK	25	0	21.36	21.43	21.35			
10	QPSK	25	12	21.23	21.42	21.18			
10	QPSK	25	25	21.24	21.32	21.33	22.5	0	
10	QPSK	50	0	21.28	21.31	21.15			
10	16QAM	1	0	21.24	21.30	21.26	22.5	0	
10	16QAM	1	25	21.25	21.37	21.27			
10	16QAM	1	49	21.29	21.39	21.33			
10	16QAM	25	0	21.23	21.45	21.23			
10	16QAM	25	12	21.26	21.32	21.30			
10	16QAM	25	25	21.23	21.42	21.28	22.5	0	
10	16QAM	50	0	21.33	21.37	21.28			
10	64QAM	1	0	21.16	21.35	21.17	22.5	0	
10	64QAM	1	25	21.22	21.18	21.32			
10	64QAM	1	49	21.12	21.28	21.29			
10	64QAM	25	0	20.76	20.82	20.76			
10	64QAM	25	12	20.86	20.84	20.68			
10	64QAM	25	25	20.78	20.76	20.85	22	0.5	
10	64QAM	50	0	20.86	20.80	20.84			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.36	21.36	21.37	22.5	0	
5	QPSK	1	12	21.17	21.37	21.21			
5	QPSK	1	24	21.31	21.21	21.37			
5	QPSK	12	0	21.28	21.44	21.26			
5	QPSK	12	7	21.21	21.38	21.29			
5	QPSK	12	13	21.30	21.32	21.35	22.5	0	
5	QPSK	25	0	21.19	21.39	21.20			
5	16QAM	1	0	21.26	21.28	21.19			
5	16QAM	1	12	21.21	21.21	21.18			
5	16QAM	1	24	21.25	21.40	21.33			
5	16QAM	12	0	21.28	21.32	21.31	22.5	0	
5	16QAM	12	7	21.18	21.38	21.33			
5	16QAM	12	13	21.15	21.29	21.35			
5	16QAM	25	0	21.28	21.37	21.32			
5	64QAM	1	0	21.24	21.39	21.21			
5	64QAM	1	12	21.16	21.19	21.36	22.5	0	
5	64QAM	1	24	21.29	21.34	21.32			
5	64QAM	12	0	20.70	20.92	20.81			
5	64QAM	12	7	20.89	20.82	20.67			
5	64QAM	12	13	20.81	20.82	20.85			
5	64QAM	25	0	20.76	20.96	20.86	22	0.5	
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.27	21.36	21.43	22.5	0	
3	QPSK	1	8	21.27	21.28	21.27			
3	QPSK	1	14	21.29	21.31	21.34			
3	QPSK	8	0	21.16	21.37	21.28			
3	QPSK	8	4	21.16	21.34	21.22			
3	QPSK	8	7	21.22	21.21	21.25	22.5	0	
3	QPSK	15	0	21.15	21.36	21.17			
3	16QAM	1	0	21.30	21.30	21.28			
3	16QAM	1	8	21.22	21.37	21.32			
3	16QAM	1	14	21.25	21.42	21.33			
3	16QAM	8	0	21.21	21.45	21.29	22.5	0	
3	16QAM	8	4	21.17	21.33	21.36			
3	16QAM	8	7	21.24	21.28	21.21			
3	16QAM	15	0	21.12	21.35	21.32			
3	64QAM	1	0	21.11	21.32	21.18			
3	64QAM	1	8	21.29	21.32	21.39	22.5	0	
3	64QAM	1	14	21.20	21.29	21.30			
3	64QAM	8	0	20.71	20.91	20.78			
3	64QAM	8	4	20.84	20.78	20.69			
3	64QAM	8	7	20.77	20.79	20.79			
3	64QAM	15	0	20.80	20.88	20.94	22	0.5	
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.30	21.47	21.32	22.5	0	
1.4	QPSK	1	1	21.33	21.33	21.32			
1.4	QPSK	1	5	21.33	21.23	21.31			
1.4	QPSK	3	0	21.33	21.43	21.25			
1.4	QPSK	3	1	21.27	21.33	21.15			
1.4	QPSK	3	3	21.21	21.37	21.28	22.5	0	
1.4	QPSK	6	0	21.28	21.32	21.22			
1.4	16QAM	1	0	21.34	21.36	21.16			
1.4	16QAM	1	3	21.24	21.31	21.20			
1.4	16QAM	1	5	21.15	21.34	21.32			
1.4	16QAM	3	0	21.33	21.35	21.25	22.5	0	
1.4	16QAM	3	1	21.20	21.35	21.38			
1.4	16QAM	3	3	21.20	21.25	21.21			
1.4	16QAM	6	0	21.33	21.26	21.31			
1.4	64QAM	1	3	21.19	21.40	21.16			
1.4	64QAM	1	5	21.14	21.30	21.30	22.5	0	
1.4	64QAM	3	0	21.21	21.21	21.14			
1.4	64QAM	3	1	21.06	21.27	21.34			
1.4	64QAM	3	3	21.06	21.27	21.16			
1.4	64QAM	6	0	20.86	20.87	20.90			

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				26765	26865	26965					
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	21.94	22.00	21.90	23	0			
15	QPSK	1	37	21.89	21.88	21.76					
15	QPSK	1	74	21.82	21.98	21.77					
15	QPSK	36	0	21.62	21.72	21.63	22	1			
15	QPSK	36	20	21.60	21.61	21.52					
15	QPSK	36	39	21.49	21.58	21.53					
15	QPSK	75	0	21.51	21.62	21.59	22	1			
15	16QAM	1	0	21.86	21.94	21.86					
15	16QAM	1	37	21.87	21.99	21.88					
15	16QAM	1	74	21.79	21.91	21.80	21	2			
15	16QAM	36	0	20.67	20.69	20.59					
15	16QAM	36	20	20.58	20.77	20.64					
15	16QAM	36	39	20.73	20.68	20.77	21	2			
15	16QAM	75	0	20.68	20.78	20.80					
15	64QAM	1	0	20.79	20.78	20.75					
15	64QAM	1	37	20.83	20.81	20.80	21	2			
15	64QAM	1	74	20.74	20.79	20.78					
15	64QAM	36	0	19.52	19.74	19.55					
15	64QAM	36	20	19.72	19.76	19.76	20	3			
15	64QAM	36	39	19.74	19.78	19.64					
15	64QAM	75	0	19.65	19.71	19.64					
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	21.93	21.94	21.84	23	0			
10	QPSK	1	25	21.84	21.87	21.72					
10	QPSK	1	49	21.73	21.93	21.73					
10	QPSK	25	0	21.50	21.65	21.62	22	1			
10	QPSK	25	12	21.48	21.51	21.44					
10	QPSK	25	25	21.38	21.46	21.51					
10	QPSK	50	0	21.37	21.53	21.51	22	1			
10	16QAM	1	0	21.74	21.97	21.81					
10	16QAM	1	25	21.75	21.97	21.77					
10	16QAM	1	49	21.70	21.83	21.68	21	2			
10	16QAM	25	0	20.58	20.56	20.56					
10	16QAM	25	12	20.50	20.70	20.61					
10	16QAM	25	25	20.68	20.68	20.68	21	2			
10	16QAM	50	0	20.63	20.77	20.65					
10	64QAM	1	0	20.74	20.77	20.73					
10	64QAM	1	25	20.72	20.79	20.76	21	2			
10	64QAM	1	49	20.63	20.71	20.64					
10	64QAM	25	0	19.51	19.73	19.41					
10	64QAM	25	12	19.63	19.65	19.62	20	3			
10	64QAM	25	25	19.62	19.71	19.54					
10	64QAM	50	0	19.56	19.64	19.49					
Channel				26715	26865	27015	Tune-up limit (dBm)		MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5					
5	QPSK	1	0	21.85	21.92	21.83	23	0			
5	QPSK	1	12	21.74	21.82	21.75					
5	QPSK	1	24	21.74	21.94	21.75					
5	QPSK	12	0	21.49	21.65	21.55	22	1			
5	QPSK	12	7	21.53	21.56	21.43					
5	QPSK	12	13	21.43	21.55	21.38					
5	QPSK	25	0	21.37	21.55	21.49	22	1			
5	16QAM	1	0	21.84	21.93	21.86					
5	16QAM	1	12	21.77	21.87	21.86					
5	16QAM	1	24	21.66	21.89	21.65	22	1			
5	16QAM	12	0	20.55	20.65	20.55					
5	16QAM	12	7	20.44	20.69	20.63					
5	16QAM	12	13	20.68	20.62	20.65	21	2			
5	16QAM	25	0	20.57	20.72	20.67					
5	64QAM	1	0	20.76	20.63	20.66					
5	64QAM	1	12	20.73	20.68	20.73	21	2			
5	64QAM	1	24	20.61	20.64	20.67					
5	64QAM	12	0	19.48	19.65	19.52					
5	64QAM	12	7	19.65	19.75	19.64	20	3			
5	64QAM	12	13	19.61	19.71	19.58					
5	64QAM	25	0	19.52	19.61	19.53					
Channel				26705	26865	27025	Tune-up limit (dBm)		MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5					
3	QPSK	1	0	21.92	21.85	21.77	23	0			
3	QPSK	1	8	21.76	21.83	21.67					
3	QPSK	1	14	21.76	21.96	21.70					
3	QPSK	8	0	21.47	21.58	21.62	22	1			
3	QPSK	8	4	21.57	21.59	21.44					
3	QPSK	8	7	21.45	21.47	21.43					
3	QPSK	15	0	21.50	21.49	21.53	22	1			
3	16QAM	1	0	21.83	21.94	21.81					
3	16QAM	1	8	21.80	21.96	21.84					
3	16QAM	1	14	21.72	21.76	21.75	21	2			
3	16QAM	8	0	20.54	20.63	20.44					
3	16QAM	8	4	20.46	20.73	20.59					
3	16QAM	8	7	20.70	20.58	20.75	21	2			
3	16QAM	15	0	20.55	20.68	20.78					
3	64QAM	1	0	20.74	20.68	20.66					
3	64QAM	1	8	20.69	20.66	20.79	21	2			
3	64QAM	1	14	20.60	20.75	20.72					
3	64QAM	8	0	19.40	19.64	19.44					
3	64QAM	8	4	19.62	19.62	19.65	20	3			
3	64QAM	8	7	19.71	19.74	19.53					
3	64QAM	15	0	19.55	19.70	19.59					
Channel				26697	26865	27033	Tune-up limit (dBm)		MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3					
1.4	QPSK	1	0	21.88	21.95	21.84	23	0			
1.4	QPSK	1	3	21.86	21.82	21.62					
1.4	QPSK	1	5	21.77	21.88	21.74					
1.4	QPSK	3	0	21.54	21.58	21.58	22	1			
1.4	QPSK	3	1	21.52	21.57	21.45					
1.4	QPSK	3	3	21.37	21.43	21.43					
1.4	QPSK	6	0	21.42	21.53	21.45	22	1			
1.4	16QAM	1	0	21.81	21.96	21.85					
1.4	16QAM	1	3	21.85	21.91	21.78					
1.4	16QAM	1	5	21.72	21.89	21.65	22	1			
1.4	16QAM	3	0	21.72	21.93	21.84					
1.4	16QAM	3	1	21.74	21.85	21.64					
1.4	16QAM	3	3	21.57	21.76	21.59	21	2			
1.4	16QAM	6	0	20.63	20.69	20.77					
1.4	64QAM	1	0	20.74	20.65	20.63					
1.4	64QAM	1	3	20.78	20.74	20.69	21	2			
1.4	64QAM	1	5	20.72	20.71	20.76					
1.4	64QAM	3	0	20.73	20.62	20.60					
1.4	64QAM	3	1	20.65	20.69	20.59	20	3			
1.4	64QAM	3	3	20.58	20.57	20.68					
1.4	64QAM	6	0	19.50	19.67	19.54	20	3			

Band 66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.50	20.58	20.51	21	0	
20	QPSK	1	49	20.47	20.47	20.38			
20	QPSK	1	99	20.36	20.49	20.36			
20	QPSK	50	0	20.47	20.57	20.50	21	0	
20	QPSK	50	24	20.45	20.44	20.38			
20	QPSK	50	50	20.41	20.47	20.49			
20	QPSK	100	0	20.42	20.52	20.43	21	0	
20	16QAM	1	0	20.48	20.53	20.49			
20	16QAM	1	49	20.35	20.54	20.46			
20	16QAM	1	99	20.37	20.54	20.44	21	0	
20	16QAM	50	0	20.09	20.22	20.11			
20	16QAM	50	24	20.10	20.14	20.07			
20	16QAM	50	50	19.88	20.17	19.96	21	0	
20	16QAM	100	0	20.08	20.16	20.08			
20	64QAM	1	0	20.46	20.41	20.45			
20	64QAM	1	49	20.21	20.28	20.20	21	0	
20	64QAM	1	99	20.20	20.25	20.17			
20	64QAM	50	0	19.23	19.17	19.21			
20	64QAM	50	24	19.18	19.19	19.11	20	1	
20	64QAM	50	50	18.95	19.09	19.15			
20	64QAM	100	0	19.19	19.13	18.96			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.41	20.57	20.49			
15	QPSK	1	37	20.39	20.38	20.31			
15	QPSK	1	74	20.26	20.41	20.25			
15	QPSK	36	0	20.36	20.45	20.49	21	0	
15	QPSK	36	20	20.35	20.39	20.36			
15	QPSK	36	39	20.31	20.39	20.34			
15	QPSK	75	0	20.34	20.37	20.30	21	0	
15	16QAM	1	0	20.46	20.39	20.46			
15	16QAM	1	37	20.28	20.51	20.40			
15	16QAM	1	74	20.32	20.48	20.35	21	0	
15	16QAM	36	0	19.98	20.17	19.98			
15	16QAM	36	20	20.05	20.05	19.99			
15	16QAM	36	39	19.85	20.02	19.82	21	0	
15	16QAM	75	0	19.93	20.04	19.93			
15	64QAM	1	0	20.37	20.31	20.33			
15	64QAM	1	37	20.18	20.18	20.10	21	0	
15	64QAM	1	74	20.09	20.23	20.10			
15	64QAM	36	0	19.09	19.16	19.07			
15	64QAM	36	20	19.08	19.10	18.97	20	1	
15	64QAM	36	39	18.92	18.98	19.11			
15	64QAM	75	0	19.16	19.09	18.93			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.47	20.47	20.37			
10	QPSK	1	25	20.39	20.34	20.25			
10	QPSK	1	49	20.23	20.42	20.30			
10	QPSK	25	0	20.39	20.49	20.45	21	0	
10	QPSK	25	12	20.41	20.41	20.37			
10	QPSK	25	25	20.36	20.36	20.35			
10	QPSK	50	0	20.31	20.47	20.31	21	0	
10	16QAM	1	0	20.44	20.46	20.41			
10	16QAM	1	25	20.23	20.53	20.45			
10	16QAM	1	49	20.24	20.41	20.33	21	0	
10	16QAM	25	0	20.05	20.20	20.03			
10	16QAM	25	12	20.09	20.02	20.01			
10	16QAM	25	25	19.81	20.15	19.81	21	0	
10	16QAM	50	0	20.03	20.06	20.00			
10	64QAM	1	0	20.43	20.39	20.37			
10	64QAM	1	25	20.20	20.15	20.19	21	0	
10	64QAM	1	49	20.18	20.17	20.02			
10	64QAM	25	0	19.20	19.03	19.09			
10	64QAM	25	12	19.10	19.10	18.88	20	1	
10	64QAM	25	25	18.84	18.97	19.09			
10	64QAM	50	0	19.11	19.05	18.81			
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.39	20.53	20.48			
5	QPSK	1	12	20.36	20.40	20.33			
5	QPSK	1	24	20.29	20.36	20.28			
5	QPSK	12	0	20.34	20.55	20.35	21	0	
5	QPSK	12	7	20.33	20.40	20.37			
5	QPSK	12	13	20.30	20.37	20.47			
5	QPSK	25	0	20.35	20.45	20.30	21	0	
5	16QAM	1	0	20.44	20.45	20.41			
5	16QAM	1	12	20.27	20.48	20.41			
5	16QAM	1	24	20.24	20.42	20.42	21	0	
5	16QAM	12	0	20.00	20.18	19.99			
5	16QAM	12	7	19.99	20.02	20.05			
5	16QAM	12	13	19.79	20.16	19.81	21	0	
5	16QAM	25	0	20.07	20.05	20.00			
5	64QAM	1	0	20.43	20.39	20.39			
5	64QAM	1	12	20.06	20.16	20.19	21	0	
5	64QAM	1	24	20.11	20.15	20.16			
5	64QAM	12	0	19.14	19.03	19.17			
5	64QAM	12	7	19.03	19.17	19.03	20	1	
5	64QAM	12	13	18.91	19.04	19.13			
5	64QAM	25	0	19.07	19.05	18.87			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	20.48	20.45	20.38			
3	QPSK	1	8	20.36	20.45	20.27			
3	QPSK	1	14	20.34	20.42	20.23			
3	QPSK	8	0	20.44	20.55	20.46	21	0	
3	QPSK	8	4	20.34	20.41	20.34			
3	QPSK	8	7	20.31	20.32	20.46			
3	QPSK	15	0	20.41	20.49	20.32	21	0	
3	16QAM	1	0	20.39	20.50	20.38			
3	16QAM	1	8	20.27	20.44	20.39			
3	16QAM	1	14	20.31	20.52	20.30	21	0	
3	16QAM	8	0	19.94	20.18	20.06			
3	16QAM	8	4	20.06	20.05	19.97			
3	16QAM	8	7	19.76	20.11	19.83	21	0	
3	16QAM	15	0	20.06	20.05	20.07			
3	64QAM	1	0	20.34	20.33	20.44			
3	64QAM	1	8	20.10	20.26	20.06	21	0	
3	64QAM	1	14	20.12	20.23	20.15			
3	64QAM	8	0	19.11	19.08	19.11			
3	64QAM	8	4	19.17	19.12	19.00	20	1	
3	64QAM	8	7	18.86	18.97	19.00			
3	64QAM	15	0	19.10	19.11	18.89			
Channel				131979	132322	132655	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.37	20.53	20.44			
1.4	QPSK	1	3	20.44	20.35	20.25			
1.4	QPSK	1	5	20.29	20.42	20.32			
1.4	QPSK	3	0	20.45	20.56	20.42	21	0	
1.4	QPSK	3	1	20.40	20.29	20.29			
1.4	QPSK	3	3	20.33	20.36	20.37			
1.4	QPSK	6	0	20.29	20.49	20.39	21	0	
1.4	16QAM	1	0	20.38	20.49	20.34			
1.4	16QAM	1	3	20.33	20.50	20.35	21	0	
1.4	16QAM	1	5	20.33	20.42	20.39			
1.4	16QAM	3	0	20.39	20.50	20.44			
1.4	16QAM	3	1	20.23	20.46	20.27	21	0	
1.4	16QAM	3	3	20.28	20.30	20.36			
1.4	16QAM	6	0	20.01	20.08	19.97			
1.4	64QAM	1	0	20.43	20.37	20.44	21	0	
1.4	64QAM	1	3	20.18	20.21	20.09			
1.4	64QAM	1	5	20.18	20.11	20.03			
1.4	64QAM	3	0	20.35	20.32	20.29	21	0	
1.4	64QAM	3	1	20.11	20.10	20.00			
1.4	64QAM	3	3	20.17	20.05	19.95			
1.4	64QAM	6	0	19.17	18.98	19.80	20	1	

Band 38_Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel				37850	38000	38150								
Frequency (MHz)				2580	2595	2610								
20	QPSK	1	0	21.61	21.67	21.83	22.5	0						
20	QPSK	1	49	21.69	21.76	21.76								
20	QPSK	1	99	21.77	21.72	21.74								
20	QPSK	36	0	21.73	21.76	21.69								
20	QPSK	50	0	21.72	21.82	21.69	22.5	0						
20	QPSK	50	24	21.78	21.81	21.80								
20	QPSK	50	50	21.69	21.81	21.71								
20	QPSK	100	0	21.73	21.76	21.72								
20	16QAM	1	0	21.74	21.82	21.74	22.5	0						
20	16QAM	1	49	21.73	21.76	21.73								
20	16QAM	1	99	21.75	21.85	21.77								
20	16QAM	50	0	21.69	21.84	21.69								
20	16QAM	50	24	21.68	21.88	21.82	22.5	0						
20	16QAM	50	50	21.77	21.86	21.73								
20	16QAM	100	0	21.78	21.78	21.72								
20	64QAM	1	0	21.75	21.73	21.72								
20	64QAM	1	49	21.67	21.74	21.78	22.5	0						
20	64QAM	1	99	21.71	21.72	21.69								
20	64QAM	50	0	21.37	21.41	21.30								
20	64QAM	50	24	21.32	21.40	21.20								
20	64QAM	50	50	21.22	21.35	21.31	22	0.5						
20	64QAM	100	0	21.24	21.35	21.36								
Channel				37850	38000	38175								
Frequency (MHz)				2572.5	2595	2612.5								
15	QPSK	1	0	21.76	21.79	21.75	22.5		0					
15	QPSK	1	37	21.60	21.72	21.68								
15	QPSK	1	74	21.75	21.70	21.70								
15	QPSK	36	0	21.76	21.80	21.79								
15	QPSK	36	39	21.75	21.78	21.59	22.5	0						
15	QPSK	36	39	21.60	21.80	21.62								
15	QPSK	75	0	21.61	21.63	21.58								
15	16QAM	1	0	21.73	21.75	21.64								
15	16QAM	1	37	21.70	21.77	21.63	22.5	0						
15	16QAM	1	74	21.60	21.81	21.70								
15	16QAM	36	0	21.65	21.74	21.63								
15	16QAM	36	20	21.53	21.84	21.67								
15	16QAM	36	39	21.76	21.83	21.62	22.5	0						
15	16QAM	75	0	21.71	21.73	21.70								
15	64QAM	1	0	21.68	21.71	21.58								
15	64QAM	1	37	21.55	21.63	21.64								
15	64QAM	1	74	21.63	21.67	21.65	22	0.5						
15	64QAM	36	0	21.24	21.26	21.19								
15	64QAM	36	20	21.31	21.38	21.18								
15	64QAM	36	39	21.17	21.33	21.29								
Channel				37800	38000	38200								
Frequency (MHz)				2575	2595	2615								
10	QPSK	1	0	21.70	21.75	21.75	22.5	0						
10	QPSK	1	25	21.60	21.66	21.64								
10	QPSK	1	49	21.68	21.67	21.61								
10	QPSK	25	0	21.72	21.77	21.74								
10	QPSK	25	12	21.65	21.76	21.56	22.5	0						
10	QPSK	25	25	21.67	21.69	21.61								
10	QPSK	50	0	21.63	21.74	21.71								
10	16QAM	1	0	21.65	21.74	21.62								
10	16QAM	1	25	21.69	21.72	21.64	22.5	0						
10	16QAM	1	49	21.70	21.83	21.75								
10	16QAM	25	0	21.55	21.79	21.61								
10	16QAM	25	12	21.67	21.83	21.73								
10	16QAM	25	25	21.66	21.83	21.62	22.5	0						
10	16QAM	50	0	21.63	21.69	21.68								
10	64QAM	1	0	21.63	21.62	21.70								
10	64QAM	1	25	21.65	21.61	21.66								
10	64QAM	1	49	21.63	21.71	21.54	22	0.5						
10	64QAM	25	0	21.28	21.30	21.27								
10	64QAM	25	12	21.26	21.30	21.07								
10	64QAM	25	25	21.12	21.23	21.25								
Channel				37775	38000	38225								
Frequency (MHz)				2572.5	2595	2617.5								
5	QPSK	1	0	21.67	21.73	21.79	22.5	0						
5	QPSK	1	12	21.63	21.75	21.72								
5	QPSK	1	24	21.68	21.70	21.73								
5	QPSK	12	0	21.68	21.80	21.68								
5	QPSK	12	7	21.74	21.76	21.62	22.5	0						
5	QPSK	12	13	21.55	21.71	21.67								
5	QPSK	25	0	21.68	21.66	21.58								
5	16QAM	1	0	21.63	21.71	21.71								
5	16QAM	1	12	21.58	21.68	21.65	22.5	0						
5	16QAM	1	24	21.73	21.83	21.76								
5	16QAM	12	0	21.57	21.79	21.64								
5	16QAM	12	7	21.61	21.73	21.72								
5	16QAM	12	13	21.69	21.73	21.61	22.5	0						
5	16QAM	25	0	21.67	21.72	21.67								
5	64QAM	1	0	21.60	21.72	21.60								
5	64QAM	1	12	21.52	21.66	21.73								
5	64QAM	1	24	21.70	21.64	21.54	22	0.5						
5	64QAM	12	0	21.24	21.39	21.18								
5	64QAM	12	7	21.17	21.31	21.11								
5	64QAM	12	13	21.20	21.29	21.29								
5	64QAM	25	0	21.14	21.21	21.30								

Band 38_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.02	23.69	23.57	24	0		
20	QPSK	1	49	23.61	23.61	23.52				
20	QPSK	1	99	23.54	23.51	23.46				
20	QPSK	36	0	23.42	23.65	23.49				
20	QPSK	50	24	23.48	23.57	23.51	24	0		
20	QPSK	50	50	23.51	23.58	23.55				
20	QPSK	100	0	23.57	23.59	23.56				
20	16QAM	1	0	23.64	23.61	23.51				
20	16QAM	1	49	23.54	23.59	23.58	23	1		
20	16QAM	1	99	23.58	23.55	23.58				
20	16QAM	50	0	22.51	22.66	22.55				
20	16QAM	50	24	22.69	22.75	22.66				
20	16QAM	50	50	22.68	22.70	22.64	23	1		
20	16QAM	100	0	22.58	22.62	22.56				
20	64QAM	1	0	22.27	22.44	22.34				
20	64QAM	1	49	22.32	22.41	22.46				
20	64QAM	1	99	22.43	22.48	22.41	22	2		
20	64QAM	50	0	21.51	21.70	21.55				
20	64QAM	50	24	21.60	21.71	21.65				
20	64QAM	50	50	21.62	21.58	21.54				
20	64QAM	100	0	21.59	21.66	21.67				
Channel				37775	38000	38225				
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.56	23.59	23.53	24	0		
15	QPSK	1	37	23.60	23.47	23.51				
15	QPSK	1	74	23.53	23.39	23.42				
15	QPSK	36	0	23.48	23.62	23.44				
15	QPSK	36	0	23.42	23.55	23.48	24	0		
15	QPSK	36	36	23.47	23.56	23.52				
15	QPSK	75	0	23.55	23.46	23.49				
15	16QAM	1	0	23.53	23.64	23.49				
15	16QAM	1	0	23.53	23.64	23.49	24	0		
15	16QAM	1	37	23.50	23.57	23.55				
15	16QAM	1	74	23.52	23.66	23.61				
15	16QAM	36	0	22.38	22.54	22.48				
15	16QAM	36	0	22.56	22.65	22.62	23	1		
15	16QAM	36	24	22.54	22.58	22.56				
15	16QAM	75	0	22.54	22.58	22.44				
15	64QAM	1	0	22.25	22.24	22.32				
15	64QAM	1	37	22.28	22.35	22.42	23	1		
15	64QAM	1	74	22.28	22.34	22.34				
15	64QAM	36	0	21.47	21.89	21.42				
15	64QAM	36	20	21.53	21.89	21.50				
15	64QAM	36	39	21.57	21.49	21.50	22	2		
15	64QAM	75	0	21.58	21.84	21.65				
Channel				2575	2595	2615				
Frequency (MHz)				2575 <th>2595</th> <th>2615</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2595	2615	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.57	23.60	23.58	24	0		
10	QPSK	1	25	23.47	23.50	23.37				
10	QPSK	1	49	23.45	23.40	23.38				
10	QPSK	25	0	23.40	23.51	23.41				
10	QPSK	25	12	23.44	23.51	23.41	24	0		
10	QPSK	25	25	23.46	23.54	23.46				
10	QPSK	50	0	23.56	23.52	23.47				
10	16QAM	1	0	23.63	23.64	23.63				
10	16QAM	1	25	23.54	23.56	23.45	24	0		
10	16QAM	1	49	23.57	23.61	23.65				
10	16QAM	25	0	22.44	22.54	22.53				
10	16QAM	25	12	22.66	22.60	22.56				
10	16QAM	25	25	22.62	22.61	22.58	23	1		
10	16QAM	50	0	22.51	22.50	22.48				
10	64QAM	1	0	22.21	22.34	22.19				
10	64QAM	1	25	22.27	22.37	22.36				
10	64QAM	1	49	22.42	22.42	22.35	23	1		
10	64QAM	25	0	21.38	21.59	21.38				
10	64QAM	25	12	21.54	21.62	21.51				
10	64QAM	25	25	21.46	21.47	21.50				
10	64QAM	50	0	21.45	21.65	21.57	22	2		
Channel				37775	38000	38225				
Frequency (MHz)				2577.5 <th>2595<th>2612.5</th><th>Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	2595 <th>2612.5</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	2612.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.59	23.62	23.55	24	0		
5	QPSK	1	12	23.49	23.53	23.39				
5	QPSK	1	24	23.38	23.36	23.40				
5	QPSK	12	0	23.58	23.64	23.41				
5	QPSK	12	7	23.33	23.43	23.41	24	0		
5	QPSK	12	13	23.42	23.45	23.45				
5	QPSK	25	0	23.56	23.50	23.45				
5	16QAM	1	0	23.63	23.64	23.63				
5	16QAM	1	12	23.62	23.64	23.47	24	0		
5	16QAM	1	24	23.51	23.61	23.54				
5	16QAM	12	0	22.36	22.61	22.51				
5	16QAM	12	13	22.40	22.68	22.59				
5	16QAM	25	0	22.47	22.54	22.52	23	1		
5	64QAM	1	0	22.18	22.33	22.21				
5	64QAM	1	12	22.19	22.40	22.35				
5	64QAM	1	24	22.40	22.40	22.33				
5	64QAM	12	0	21.46	21.67	21.45	22	2		
5	64QAM	12	7	21.47	21.70	21.56				
5	64QAM	12	13	21.50	21.65	21.50				
5	64QAM	0	0	21.48	21.56	21.50				

Band 41_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41480		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.40	23.48	23.50	23.44	23.48	23.8	0
20	QPSK	1	49	23.39	23.37	23.44	23.34	23.40		
20	QPSK	1	99	23.32	23.30	23.40	23.32	23.32		
20	QPSK	50	0	22.36	22.49	22.56	22.53	22.51		
20	QPSK	50	24	22.36	22.41	22.50	22.40	22.48	22.8	1
20	QPSK	50	50	22.41	22.46	22.52	22.50	22.37		
20	QPSK	100	0	22.38	22.46	22.51	22.45	22.50		
20	16QAM	1	0	22.51	22.44	22.53	22.41	22.41		
20	16QAM	1	49	22.45	22.44	22.55	22.40	22.45	22.8	1
20	16QAM	1	99	22.57	22.44	22.59	22.49	22.45		
20	16QAM	50	0	21.42	21.40	21.48	21.38	21.34		
20	16QAM	50	24	21.36	21.46	21.50	21.43	21.48		
20	16QAM	50	50	21.38	21.47	21.52	21.49	21.47	21.8	2
20	16QAM	100	0	21.43	21.41	21.48	21.39	21.37		
20	64QAM	1	0	21.12	21.17	21.24	21.10	21.19		
20	64QAM	1	49	20.94	20.89	21.00	20.88	20.93		
20	64QAM	1	99	21.27	21.26	21.33	21.29	21.19	21.8	2
20	64QAM	50	0	20.33	20.43	20.48	20.37	20.45		
20	64QAM	50	24	20.43	20.39	20.48	20.39	20.37		
20	64QAM	50	50	20.43	20.42	20.51	20.37	20.40		
20	64QAM	100	0	20.12	20.03	20.18	20.16	20.05	20.8	3
Channel				39725	40173	40620	41055	41480		
Frequency (MHz)				2601.5	2646.3	2693	2737.8	2782.5		
15	QPSK	1	0	23.31	23.43	23.35	23.41	23.33	23.8	0
15	QPSK	1	37	23.29	23.25	23.29	23.27	23.33		
15	QPSK	1	74	23.22	23.15	23.38	23.30	23.20		
15	QPSK	36	0	22.37	22.36	22.54	22.46	22.40		
15	QPSK	36	20	22.23	22.29	22.49	22.43	22.31	22.8	1
15	QPSK	36	39	22.40	22.34	22.46	22.45	22.36		
15	QPSK	75	0	22.33	22.37	22.40	22.40	22.37		
15	16QAM	1	0	22.45	22.42	22.40	22.34	22.32		
15	16QAM	1	37	22.43	22.51	22.45	22.44	22.38	22.8	1
15	16QAM	1	74	22.45	22.38	22.57	22.36	22.30		
15	16QAM	36	0	21.36	21.38	21.38	21.34	21.29		
15	16QAM	36	20	21.28	21.31	21.47	21.40	21.35		
15	16QAM	36	39	21.32	21.39	21.49	21.46	21.43	21.8	2
15	16QAM	75	0	21.37	21.39	21.40	21.25	21.31		
15	64QAM	1	0	21.06	21.10	21.09	20.96	21.07		
15	64QAM	1	37	20.80	20.86	20.99	20.81	20.89		
15	64QAM	1	74	21.34	21.11	21.22	21.28	21.05	21.8	2
15	64QAM	36	0	20.21	20.32	20.37	20.28	20.37		
15	64QAM	36	20	20.34	20.37	20.42	20.29	20.29		
15	64QAM	36	39	20.42	20.41	20.41	20.25	20.37		
15	64QAM	75	0	20.00	19.92	20.10	20.10	20.01	20.8	3
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2636	2680		
10	QPSK	1	0	23.37	23.44	23.40	23.34	23.33	23.8	0
10	QPSK	1	25	23.36	23.35	23.37	23.33	23.32		
10	QPSK	1	49	23.20	23.18	23.28	23.22	23.28		
10	QPSK	25	0	22.35	22.48	22.52	22.42	22.38		
10	QPSK	25	12	22.35	22.30	22.38	22.28	22.39	22.8	1
10	QPSK	25	25	22.33	22.39	22.37	22.35	22.31		
10	QPSK	50	0	22.21	22.40	22.44	22.34	22.40		
10	16QAM	1	0	22.46	22.29	22.40	22.27	22.30		
10	16QAM	1	25	22.41	22.39	22.53	22.45	22.38	22.8	1
10	16QAM	1	49	22.43	22.38	22.53	22.38	22.44		
10	16QAM	25	0	21.28	21.37	21.45	21.35	21.33		
10	16QAM	25	12	21.27	21.40	21.42	21.37	21.33		
10	16QAM	25	25	21.24	21.39	21.42	21.39	21.33	21.8	2
10	16QAM	50	0	21.28	21.27	21.45	21.38	21.26		
10	64QAM	1	0	21.06	21.09	21.17	21.04	21.11		
10	64QAM	1	25	20.93	20.81	20.92	20.80	20.85		
10	64QAM	1	49	21.14	21.22	21.30	21.15	21.16	21.8	2
10	64QAM	25	0	20.28	20.31	20.36	20.31	20.38		
10	64QAM	25	12	20.42	20.25	20.33	20.31	20.24		
10	64QAM	25	25	20.36	20.28	20.42	20.32	20.39		
10	64QAM	50	0	20.04	20.00	20.13	20.05	19.92	20.8	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.3	2687.5		
5	QPSK	1	0	23.34	23.42	23.40	23.29	23.45	23.8	0
5	QPSK	1	12	23.26	23.24	23.31	23.26	23.26		
5	QPSK	1	24	23.23	23.21	23.34	23.30	23.26		
5	QPSK	12	0	22.40	22.37	22.49	22.41	22.48		
5	QPSK	12	7	22.34	22.33	22.45	22.29	22.42	22.8	1
5	QPSK	12	13	22.28	22.45	22.39	22.47	22.36		
5	QPSK	25	0	22.32	22.43	22.45	22.42	22.36		
5	16QAM	1	0	22.36	22.39	22.38	22.39	22.33		
5	16QAM	1	12	22.35	22.38	22.40	22.38	22.41	22.8	1
5	16QAM	1	24	22.44	22.31	22.45	22.47	22.42		
5	16QAM	12	0	21.35	21.29	21.36	21.30	21.21		
5	16QAM	12	7	21.28	21.43	21.45	21.38	21.34		
5	16QAM	12	13	21.36	21.32	21.37	21.42	21.39	21.8	2
5	16QAM	25	0	21.29	21.28	21.47	21.38	21.23		
5	64QAM	1	0	21.04	21.09	21.14	20.97	21.07		
5	64QAM	1	12	20.88	20.81	20.87	20.85	20.80		
5	64QAM	1	24	21.12	21.11	21.32	21.26	21.12	21.8	2
5	64QAM	12	0	20.30	20.28	20.43	20.35	20.43		
5	64QAM	12	7	20.41	20.37	20.44	20.35	20.30		
5	64QAM	12	13	20.29	20.26	20.39	20.31	20.26		
5	64QAM	25	0	20.11	19.94	20.11	20.01	20.00	20.8	3

Band 41 (HPUE)_Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41450				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	49	26.38	26.36	26.47	26.35	26.46	26.8	0		
20	QPSK	1	99	26.38	26.44	26.50	26.37	26.39				
20	QPSK	50	0	25.41	25.39	25.44	25.42	25.38				
20	QPSK	50	24	25.36	25.36	25.38	25.40	25.35	25.8	1		
20	QPSK	50	50	25.40	25.36	25.31	25.39	25.30				
20	QPSK	100	0	25.46	25.37	25.47	25.46	25.44				
20	16QAM	1	0	25.53	25.48	25.61	25.50	25.58	25.8	1		
20	16QAM	1	49	25.57	25.57	25.68	25.60	25.59				
20	16QAM	1	99	25.67	25.67	25.70	25.66	25.65				
20	16QAM	50	0	24.43	24.41	24.49	24.38	24.35	24.8	2		
20	16QAM	50	24	24.54	24.50	24.57	24.46	24.52				
20	16QAM	50	50	24.53	24.44	24.56	24.45	24.51				
20	64QAM	1	0	24.39	24.36	24.46	24.34	24.34	24.8	2		
20	64QAM	1	49	24.41	24.48	24.53	24.45	24.51				
20	64QAM	1	99	24.43	24.49	24.54	24.49	24.50				
20	64QAM	50	0	23.29	23.34	23.44	23.43	23.34	23.8	3		
20	64QAM	50	24	23.36	23.33	23.46	23.45	23.43				
20	64QAM	50	50	23.34	23.41	23.46	23.43	23.43				
20	64QAM	100	0	23.36	23.43	23.45	23.35	23.32	23.8	3		
Channel				39725	40173	40620	41093	41565				
Frequency (MHz)				2621.5	2644.3	2693	2673.8	2682.5				
15	QPSK	1	0	26.36	26.43	26.51	26.37	26.40	26.8	0		
15	QPSK	1	37	26.24	26.33	26.42	26.31	26.38				
15	QPSK	1	74	26.36	26.29	26.42	26.30	26.30				
15	QPSK	36	0	25.32	25.27	25.35	25.37	25.29	25.8	1		
15	QPSK	36	0	25.23	25.29	25.27	25.35	25.27				
15	QPSK	36	39	25.36	25.29	25.29	25.26	25.18				
15	QPSK	75	0	25.33	25.29	25.44	25.37	25.36	25.8	1		
15	16QAM	1	0	25.44	25.35	25.54	25.47	25.55				
15	16QAM	1	37	25.61	25.63	25.60	25.56	25.57				
15	16QAM	1	74	25.64	25.57	25.57	25.57	25.55	25.8	1		
15	16QAM	36	0	24.41	24.32	24.35	24.28	24.24				
15	16QAM	36	20	24.51	24.40	24.45	24.42	24.45				
15	16QAM	36	39	24.38	24.37	24.55	24.35	24.43	24.8	2		
15	16QAM	75	0	24.27	24.22	24.39	24.23	24.30				
15	64QAM	1	0	24.32	24.29	24.41	24.46	24.44				
15	64QAM	1	37	24.36	24.43	24.43	24.41	24.39	24.8	2		
15	64QAM	1	74	24.32	24.38	24.48	24.37	24.43				
15	64QAM	36	0	23.24	23.24	23.37	23.33	23.28				
15	64QAM	36	20	23.26	23.30	23.33	23.34	23.36	23.8	3		
15	64QAM	36	39	23.21	23.29	23.37	23.34	23.31				
15	64QAM	75	0	23.23	23.38	23.34	23.27	23.31				
Channel				39700	40160	40620	41080	41540	23.8	3		
Frequency (MHz)				2501	2547	2593	2639	2685				
Channel				39675	40148	40620	41093	41565				
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	26.8	0		
5	QPSK	1	0	26.30	26.37	26.39	26.28	26.49				
5	QPSK	1	12	26.28	26.29	26.36	26.20	26.40			26.8	0
5	QPSK	1	24	26.33	26.36	26.38	26.31	26.35				
5	QPSK	12	0	25.37	25.26	25.30	25.36	25.26				
5	QPSK	12	7	25.31	25.29	25.36	25.27	25.25	25.8	1		
5	QPSK	12	13	25.39	25.25	25.20	25.36	25.28				
5	QPSK	25	0	25.35	25.32	25.33	25.40	25.43				
5	16QAM	1	0	25.51	25.35	25.48	25.42	25.53	25.8	1		
5	16QAM	1	12	25.44	25.42	25.56	25.46	25.57				
5	16QAM	1	24	25.57	25.59	25.69	25.58	25.61				
5	16QAM	12	0	24.32	24.34	24.40	24.22	24.24	24.8	2		
5	16QAM	12	7	24.46	24.43	24.48	24.37	24.37				
5	16QAM	12	13	24.38	24.41	24.42	24.31	24.48				
5	64QAM	1	0	24.38	24.35	24.33	24.23	24.26	23.8	3		
5	64QAM	1	0	24.30	24.28	24.47	24.35	24.41				
5	64QAM	1	12	24.32	24.42	24.47	24.43	24.41				
5	64QAM	1	24	24.40	24.41	24.52	24.37	24.36	23.8	3		
5	64QAM	12	0	23.24	23.22	23.30	23.38	23.33				
5	64QAM	12	7	23.26	23.32	23.40	23.37	23.34				
5	64QAM	12	13	23.27	23.37	23.40	23.33	23.33	23.8	3		
5	64QAM	25	0	23.35	23.39	23.30	23.25	23.27				

Band 41_Ant 5												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Low High Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)		
Channel				39750	40165	40620	41095	41490				

Reduced Power Mode for EC110

GSM850_Ant 1	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.07	31.37	31.22	32.30	22.07	22.37	22.22	23.30
GPRS 1 Tx slot	31.08	31.44	31.35	32.30	22.08	22.44	22.35	23.30
GPRS 2 Tx slots	28.18	28.59	28.49	29.30	22.18	22.59	22.49	23.30
GPRS 3 Tx slots	26.44	26.85	26.78	27.30	22.18	22.59	22.52	23.30
GPRS 4 Tx slots	25.18	25.58	25.48	26.30	22.18	22.58	22.48	23.30
EDGE(GMSK 1 Tx slot)	31.07	31.36	31.34	32.30	22.07	22.36	22.34	23.30
EDGE(GMSK 2 Tx slot)	28.09	28.47	28.43	29.30	22.09	22.47	22.43	23.30
EDGE(GMSK 3 Tx slot)	26.29	26.79	26.70	27.30	22.03	22.53	22.44	23.04
EDGE(GMSK 4 Tx slot)	25.04	25.53	25.42	26.30	22.04	22.53	22.42	23.30
EDGE 1 Tx slot	26.05	26.41	26.60	27.80	17.05	17.41	17.60	18.80
EDGE 2 Tx slots	23.87	23.94	24.08	25.80	17.87	17.94	18.08	19.80
EDGE 3 Tx slots	22.01	22.23	22.31	23.30	17.75	17.97	18.05	19.04
EDGE 4 Tx slots	21.26	21.54	21.63	22.80	18.26	18.54	18.63	19.80

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot		29.51	29.78	29.88	30.30	20.51	20.78	20.88	21.30	
GPRS 1 Tx slot		29.51	29.77	29.87	30.30	20.51	20.77	20.87	21.30	
GPRS 2 Tx slots		27.04	27.39	27.38	28.30	21.04	21.39	21.38	22.30	
GPRS 3 Tx slots		25.27	25.51	25.59	26.30	21.01	21.25	21.33	22.04	
GPRS 4 Tx slots		23.98	24.11	24.14	24.80	20.98	21.11	21.14	21.80	
EDGE(GMSK 1 Tx slot)		29.49	29.70	29.82	30.30	20.49	20.70	20.82	21.30	
EDGE(GMSK 2 Tx slot)		26.93	27.24	27.24	28.30	20.93	21.24	21.24	22.30	
EDGE(GMSK 3 Tx slot)		25.24	25.46	25.55	26.30	20.98	21.20	21.29	22.04	
EDGE(GMSK 4 Tx slot)		23.96	24.11	24.13	24.80	20.96	21.11	21.13	21.80	
EDGE 1 Tx slot		25.61	25.75	25.71	26.80	16.61	16.75	16.71	17.80	
EDGE 2 Tx slots		22.45	22.56	22.47	23.80	16.45	16.56	16.47	17.50	
EDGE 3 Tx slots		20.95	20.97	20.85	22.30	16.69	16.71	16.59	16.04	
EDGE 4 Tx slots		20.06	20.10	19.99	21.80	17.06	17.10	16.99	16.80	

Band	WCDMA II_Ant 4				Tune-up Limit (dBm)	WCDMA II_Ant 3				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		9262	9400	9538		
	Rx Channel	9662	9800	9938		9662	9800	9938		
	Frequency (MHz)	1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	23.77	23.77	23.68	24.80	18.71	18.68	18.64	19.30	
3GPP Rel 99	AMR 12.2Kbps	23.87	23.89	23.82	24.80	18.73	18.75	18.71	19.30	
3GPP Rel 6	HSDPA Subtest-1	22.87	22.91	22.87	24.80	18.71	18.73	18.67	19.30	
3GPP Rel 6	HSDPA Subtest-2	22.87	22.96	22.86	24.80	18.72	18.66	18.69	19.30	
3GPP Rel 6	HSDPA Subtest-3	22.42	22.47	22.45	24.30	18.68	18.69	18.72	19.30	
3GPP Rel 6	HSDPA Subtest-4	22.38	22.47	22.40	24.30	18.73	18.70	18.70	19.30	
3GPP Rel 6	DC-HSDPA Subtest-1	22.88	22.82	22.81	24.80	18.68	18.69	18.70	19.30	
3GPP Rel 6	DC-HSDPA Subtest-2	22.84	22.94	22.83	24.80	18.65	18.71	18.67	19.30	
3GPP Rel 6	DC-HSDPA Subtest-3	22.38	22.39	22.32	24.30	18.68	18.67	18.71	19.30	
3GPP Rel 6	DC-HSDPA Subtest-4	22.33	22.44	22.35	24.30	18.61	18.61	18.71	19.30	
3GPP Rel 6	HSUPA Subtest-1	20.92	20.87	20.81	21.80	18.59	18.64	18.68	19.30	
3GPP Rel 6	HSUPA Subtest-2	20.94	20.93	20.87	21.80	18.61	18.67	18.64	19.30	
3GPP Rel 6	HSUPA Subtest-3	21.91	21.90	21.86	22.80	18.61	18.61	18.66	19.30	
3GPP Rel 6	HSUPA Subtest-4	20.44	20.45	20.42	21.80	18.63	18.64	18.62	19.30	
3GPP Rel 6	HSUPA Subtest-5	21.90	21.90	21.90	22.80	18.68	18.64	18.58	19.30	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.87	20.80	22.80	18.67	18.72	18.65	19.30	

Band	WCDMA V_Ant 1				Tune-up Limit (dBm)	WCDMA V_Ant 0				Tune-up Limit (dBm)
	TX Channel					TX Channel				
	Rx Channel					Rx Channel				
	Frequency (MHz)					Frequency (MHz)				
		4132	4182	4233			4132	4182	4233	
		4357	4407	4458			4357	4407	4458	
		826.4	836.4	846.6			826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.70	21.74	21.67	22.80	21.81	21.84	21.86	22.80	
3GPP Rel 99	RMC 12.2Kbps	21.82	21.85	21.81	22.80	21.84	21.92	21.89	22.80	
3GPP Rel 6	HSDPA Subtest-1	21.71	21.76	21.73	22.80	21.87	21.89	21.88	22.80	
3GPP Rel 6	HSDPA Subtest-2	21.67	21.73	21.70	22.80	21.73	21.83	21.83	22.80	
3GPP Rel 6	HSDPA Subtest-3	21.70	21.77	21.77	22.80	21.42	21.53	21.38	22.30	
3GPP Rel 6	HSDPA Subtest-4	21.66	21.73	21.72	22.80	21.33	21.36	21.52	22.30	
3GPP Rel 6	DC-HSDPA Subtest-1	21.67	21.66	21.65	22.80	21.76	21.90	21.85	22.80	
3GPP Rel 6	DC-HSDPA Subtest-2	21.65	21.69	21.61	22.80	21.70	21.87	21.89	22.80	
3GPP Rel 6	DC-HSDPA Subtest-3	21.59	21.69	21.74	22.80	21.27	21.36	21.31	22.30	
3GPP Rel 6	DC-HSDPA Subtest-4	21.52	21.59	21.63	22.80	21.26	21.43	21.35	22.30	
3GPP Rel 6	HSUPA Subtest-1	20.97	20.70	20.76	21.80	19.79	19.91	19.94	20.80	
3GPP Rel 6	HSUPA Subtest-2	20.71	20.72	20.77	21.80	19.85	20.00	19.88	20.80	
3GPP Rel 6	HSUPA Subtest-3	21.73	21.75	21.76	22.80	20.81	20.96	20.84	21.80	
3GPP Rel 6	HSUPA Subtest-4	20.25	20.26	20.26	21.80	19.41	19.42	19.34	20.80	
3GPP Rel 6	HSUPA Subtest-5	21.70	21.70	21.70	22.80	21.39	20.97	20.82	21.80	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.89	20.98	20.90	22.80	20.02	19.91	19.95	21.80	

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		30.08	30.33	30.22	31.80	21.08	21.33	21.22	22.80
GPRS 1 Tx slot		30.22	30.42	30.28	31.80	21.22	21.42	21.28	22.80
GPRS 2 Tx slots		27.41	27.63	27.46	28.80	21.41	21.63	21.46	22.80
GPRS 3 Tx slots		25.76	25.97	25.77	26.80	21.50	21.71	21.51	22.54
GPRS 4 Tx slots		24.53	24.72	24.53	25.80	21.53	21.72	21.53	22.80
EDGE(GMSK 1 Tx slot)		30.20	30.32	30.21	31.80	21.20	21.32	21.21	22.80
EDGE(GMSK 2 Tx slot)		27.40	27.52	27.32	28.80	21.40	21.52	21.32	22.80
EDGE(GMSK 3 Tx slot)		25.70	25.89	25.66	26.80	21.44	21.63	21.40	22.54
EDGE(GMSK 4 Tx slot)		24.38	24.63	24.45	25.80	21.38	21.63	21.45	22.80
EDGE 1 Tx slot		24.98	25.01	25.10	26.80	15.98	16.01	16.10	17.28
EDGE 2 Tx slots		22.80	22.80	22.95	24.80	16.80	16.80	16.95	16.50
EDGE 3 Tx slots		20.97	20.89	20.94	22.30	16.71	16.63	16.68	18.04
EDGE 4 Tx slots		20.14	20.20	20.23	21.80	17.14	17.20	17.23	18.80

GSM1900_Ant 3	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	512	661		810	512	661		810
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		28.21	28.34	28.31	29.30	19.21	19.34	19.31	20.30
GPRS 1 Tx slot		28.30	28.48	28.44	29.30	19.30	19.48	19.44	20.30
GPRS 2 Tx slots		25.34	25.50	25.40	26.30	19.34	19.50	19.40	20.30
GPRS 3 Tx slots		23.46	23.71	23.62	24.50	19.20	19.45	19.36	20.24
GPRS 4 Tx slots		22.17	22.39	22.29	23.30	19.17	19.39	19.29	20.30
EDGE(GMSK 1 Tx slot)		28.19	28.43	28.31	29.30	19.19	19.43	19.31	20.30
EDGE(GMSK 2 Tx slot)		25.36	25.45	25.34	26.30	19.36	19.45	19.34	20.30
EDGE(GMSK 3 Tx slot)		23.33	23.68	23.53	24.50	19.07	19.42	19.27	20.24
EDGE(GMSK 4 Tx slot)		22.03	22.29	22.14	23.30	19.03	19.29	19.14	20.30
EDGE 1 Tx slot		25.60	25.62	25.65	27.30	16.60	16.62	16.65	18.36
EDGE 2 Tx slots		22.80	22.91	22.80	24.80	16.80	16.91	16.80	18.54
EDGE 3 Tx slots		20.98	21.22	20.97	22.80	16.70	16.96	16.71	18.54
EDGE 4 Tx slots		20.35	20.39	20.30	22.30	17.35	17.39	17.30	19.30

Band	WCDMA IV_Ant 4				Tune-up Limit (dBm)	WCDMA IV_Ant 3				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
Rx Channel		1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	24.11	24.07	24.16	24.80	18.16	18.25	18.14	18.30	
3GPP Rel 99	AMR 12.2Kbps	24.25	24.26	24.18	24.80	18.26	18.27	18.22	18.30	
3GPP Rel 6	HSDPA Subtest-1	23.26	23.24	23.15	23.80	18.23	18.22	18.21	18.30	
3GPP Rel 6	HSDPA Subtest-2	23.28	23.28	23.19	23.80	18.20	18.26	18.26	18.30	
3GPP Rel 6	HSDPA Subtest-3	22.85	22.81	22.66	23.30	18.22	18.19	18.24	18.30	
3GPP Rel 6	HSDPA Subtest-4	22.78	22.78	22.74	23.30	18.15	18.25	18.19	18.30	
3GPP Rel 6	DC-HSDPA Subtest-1	23.27	23.27	23.34	23.80	18.11	18.09	18.15	18.30	
3GPP Rel 6	DC-HSDPA Subtest-2	23.30	23.29	23.27	23.80	18.18	18.12	18.19	18.30	
3GPP Rel 6	DC-HSDPA Subtest-3	22.79	22.85	22.86	23.30	18.18	18.18	18.12	18.30	
3GPP Rel 6	DC-HSDPA Subtest-4	22.73	22.79	22.74	23.30	18.03	18.14	18.18	18.30	
3GPP Rel 6	HSUPA Subtest-1	21.34	21.35	21.33	21.80	18.12	18.12	18.08	18.30	
3GPP Rel 6	HSUPA Subtest-2	21.35	21.36	21.35	21.80	18.20	18.17	18.14	18.30	
3GPP Rel 6	HSUPA Subtest-3	22.37	22.38	22.35	22.80	18.21	18.24	18.14	18.30	
3GPP Rel 6	HSUPA Subtest-4	20.89	20.89	20.84	21.80	18.22	18.20	18.11	18.30	
3GPP Rel 6	HSUPA Subtest-5	22.40	22.40	22.30	22.80	18.16	18.26	18.18	18.30	
3GPP Rel 7	HSPA+(16QAM) Subtest-1	21.32	21.32	21.21	22.80	18.25	18.25	18.18	18.30	

Band 4_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.90	23.92	23.89	25	0	
20	QPSK	1	49	23.71	23.82	23.78			
20	QPSK	1	99	23.60	23.66	23.54			
20	QPSK	50	0	22.84	22.87	22.86	24	1	
20	QPSK	50	24	22.82	22.86	22.85			
20	QPSK	50	50	22.77	22.83	22.75			
20	QPSK	100	0	22.74	22.85	22.73	24	1	
20	16QAM	1	0	23.00	23.09	23.07			
20	16QAM	1	49	23.07	23.09	23.04			
20	16QAM	1	99	22.93	22.95	22.83	23	2	
20	16QAM	50	0	21.68	21.83	21.81			
20	16QAM	50	24	21.74	21.85	21.83			
20	16QAM	50	50	21.77	21.81	21.76	23	2	
20	16QAM	100	0	21.77	21.85	21.77			
20	64QAM	1	0	22.03	22.04	21.96			
20	64QAM	1	49	21.82	21.97	21.86	23	2	
20	64QAM	1	99	21.76	21.88	21.79			
20	64QAM	50	0	20.77	20.85	20.72			
20	64QAM	50	24	20.76	20.88	20.87	22	3	
20	64QAM	50	50	20.73	20.85	20.74			
20	64QAM	100	0	20.83	20.86	20.85			
Channel				20050	20175	20300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.88	23.77	23.81	25	0	
15	QPSK	1	37	23.66	23.74	23.74			
15	QPSK	1	74	23.46	23.58	23.39			
15	QPSK	36	0	22.79	22.79	22.83	24	1	
15	QPSK	36	20	22.79	22.78	22.82			
15	QPSK	36	39	22.74	22.80	22.69			
15	QPSK	75	0	22.62	22.72	22.60	24	1	
15	16QAM	1	0	22.95	23.04	22.93			
15	16QAM	1	37	23.04	23.01	23.01			
15	16QAM	1	74	22.86	22.84	22.73	23	2	
15	16QAM	36	0	21.54	21.76	21.78			
15	16QAM	36	20	21.68	21.80	21.73			
15	16QAM	36	39	21.64	21.67	21.70	23	2	
15	16QAM	75	0	21.65	21.77	21.74			
15	64QAM	1	0	21.96	21.91	21.92			
15	64QAM	1	37	21.81	21.92	21.71	23	2	
15	64QAM	1	74	21.68	21.75	21.76			
15	64QAM	36	0	20.65	20.80	20.69			
15	64QAM	36	20	20.69	20.86	20.72	22	3	
15	64QAM	36	39	20.65	20.84	20.60			
15	64QAM	75	0	20.69	20.73	20.81			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.78	23.85	23.75	25	0	
10	QPSK	1	25	23.57	23.80	23.76			
10	QPSK	1	49	23.48	23.64	23.50			
10	QPSK	25	0	22.78	22.82	22.73	24	1	
10	QPSK	25	12	22.73	22.76	22.70			
10	QPSK	25	25	22.66	22.71	22.61			
10	QPSK	50	0	22.62	22.77	22.61	24	1	
10	16QAM	1	0	22.97	22.97	22.94			
10	16QAM	1	25	23.03	22.98	23.00			
10	16QAM	1	49	22.89	22.94	22.74	23	2	
10	16QAM	25	0	21.56	21.79	21.80			
10	16QAM	25	12	21.66	21.74	21.79			
10	16QAM	25	25	21.68	21.71	21.63	23	2	
10	16QAM	50	0	21.75	21.71	21.68			
10	64QAM	1	0	21.96	21.99	21.88			
10	64QAM	1	25	21.70	21.84	21.74	23	2	
10	64QAM	1	49	21.64	21.74	21.78			
10	64QAM	25	0	20.67	20.82	20.64			
10	64QAM	25	12	20.62	20.74	20.82	22	3	
10	64QAM	25	25	20.61	20.82	20.72			
10	64QAM	50	0	20.77	20.73	20.79			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.68	23.78	23.74	25	0	
5	QPSK	1	12	23.58	23.70	23.71			
5	QPSK	1	24	23.54	23.60	23.47			
5	QPSK	12	0	22.69	22.75	22.80	24	1	
5	QPSK	12	7	22.68	22.81	22.83			
5	QPSK	12	13	22.65	22.81	22.69			
5	QPSK	25	0	22.69	22.71	22.58	24	1	
5	16QAM	1	0	22.99	23.06	22.97			
5	16QAM	1	12	22.94	23.06	22.93			
5	16QAM	1	24	22.84	22.94	22.81	23	2	
5	16QAM	12	0	21.60	21.81	21.74			
5	16QAM	12	7	21.61	21.71	21.79			
5	16QAM	12	13	21.74	21.78	21.63	23	2	
5	16QAM	25	0	21.73	21.71	21.72			
5	64QAM	1	0	21.98	21.92	21.83			
5	64QAM	1	12	21.69	21.84	21.76	23	2	
5	64QAM	1	24	21.72	21.76	21.71			
5	64QAM	12	0	20.64	20.79	20.61			
5	64QAM	12	7	20.74	20.85	20.81	22	3	
5	64QAM	12	13	20.69	20.70	20.65			
5	64QAM	25	0	20.76	20.84	20.74			
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.86	23.90	23.79	25	0	
3	QPSK	1	8	23.59	23.77	23.63			
3	QPSK	1	14	23.51	23.61	23.50			
3	QPSK	8	0	22.77	22.78	22.76	24	1	
3	QPSK	8	4	22.77	22.76	22.73			
3	QPSK	8	7	22.78	22.78	22.70			
3	QPSK	15	0	22.68	22.70	22.66	24	1	
3	16QAM	1	0	22.99	23.04	22.96			
3	16QAM	1	8	22.96	23.04	23.00			
3	16QAM	1	14	22.86	22.83	22.79	23	2	
3	16QAM	8	0	21.65	21.80	21.72			
3	16QAM	8	4	21.67	21.75	21.74			
3	16QAM	8	7	21.64	21.79	21.74	23	2	
3	16QAM	15	0	21.75	21.76	21.68			
3	64QAM	1	0	21.90	22.03	21.88			
3	64QAM	1	8	21.72	21.91	21.85	23	2	
3	64QAM	1	14	21.66	21.80	21.70			
3	64QAM	8	0	20.69	20.79	20.57			
3	64QAM	8	4	20.66	20.82	20.74	22	3	
3	64QAM	8	7	20.70	20.77	20.66			
3	64QAM	15	0	20.70	20.81	20.71			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.81	23.78	23.80	25	0	
1.4	QPSK	1	3	23.69	23.72	23.74			
1.4	QPSK	1	5	23.58	23.59	23.46			
1.4	QPSK	3	0	23.75	23.64	23.74	24	1	
1.4	QPSK	3	1	23.56	23.62	23.63			
1.4	QPSK	3	3	23.52	23.48	23.41			
1.4	QPSK	6	0	22.63	22.84	22.67	24	1	
1.4	16QAM	1	0	22.88	22.95	2			

Band 5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	20.85	20.92	20.91	22	0	0
10	QPSK	1	25	20.71	20.83	20.76			
10	QPSK	1	49	20.73	20.86	20.81			
10	QPSK	25	0	20.80	20.84	20.79	22	0	0
10	QPSK	25	12	20.71	20.82	20.76			
10	QPSK	25	25	20.75	20.74	20.73			
10	QPSK	50	0	20.73	20.80	20.77	22	0	0
10	16QAM	1	0	20.77	20.79	20.85			
10	16QAM	1	25	20.80	20.77	20.88			
10	16QAM	1	49	20.80	20.78	20.82	22	0	0
10	16QAM	25	0	20.73	20.91	20.77			
10	16QAM	25	12	20.70	20.77	20.88			
10	16QAM	25	25	20.74	20.86	20.80	22	0	0
10	16QAM	50	0	20.72	20.77	20.77			
10	64QAM	1	0	20.76	20.80	20.89			
10	64QAM	1	25	20.74	20.87	20.90	22	0	0
10	64QAM	1	49	20.75	20.85	20.86			
10	64QAM	25	0	20.60	20.69	20.77			
10	64QAM	25	12	20.74	20.74	20.70	22	0	0
10	64QAM	25	25	20.53	20.73	20.67			
10	64QAM	50	0	20.80	20.75	20.58			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	20.73	20.88	20.83	22	0	0
5	QPSK	1	12	20.67	20.72	20.68			
5	QPSK	1	24	20.58	20.71	20.67			
5	QPSK	12	0	20.74	20.77	20.66	22	0	0
5	QPSK	12	7	20.63	20.68	20.66			
5	QPSK	12	13	20.74	20.60	20.66			
5	QPSK	25	0	20.65	20.69	20.67	22	0	0
5	16QAM	1	0	20.67	20.65	20.84			
5	16QAM	1	12	20.69	20.76	20.76			
5	16QAM	1	24	20.69	20.71	20.79	22	0	0
5	16QAM	12	0	20.69	20.84	20.73			
5	16QAM	12	7	20.56	20.62	20.86			
5	16QAM	12	13	20.66	20.73	20.71	22	0	0
5	16QAM	25	0	20.71	20.74	20.67			
5	64QAM	1	0	20.69	20.76	20.81			
5	64QAM	1	12	20.69	20.74	20.88	22	0	0
5	64QAM	1	24	20.73	20.80	20.74			
5	64QAM	12	0	20.54	20.62	20.62			
5	64QAM	12	7	20.62	20.64	20.62	22	0	0
5	64QAM	12	13	20.49	20.70	20.64			
5	64QAM	25	0	20.70	20.69	20.51			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	20.77	20.78	20.77	22	0	0
3	QPSK	1	8	20.62	20.69	20.85			
3	QPSK	1	14	20.63	20.73	20.76			
3	QPSK	8	0	20.76	20.80	20.70	22	0	0
3	QPSK	8	4	20.59	20.73	20.65			
3	QPSK	8	7	20.60	20.70	20.65			
3	QPSK	15	0	20.69	20.70	20.65	22	0	0
3	16QAM	1	0	20.76	20.67	20.73			
3	16QAM	1	8	20.73	20.76	20.73			
3	16QAM	1	14	20.75	20.74	20.67	22	0	0
3	16QAM	8	0	20.60	20.84	20.75			
3	16QAM	8	4	20.67	20.64	20.76			
3	16QAM	8	7	20.65	20.84	20.78	22	0	0
3	16QAM	15	0	20.68	20.63	20.73			
3	64QAM	1	0	20.62	20.65	20.88			
3	64QAM	1	8	20.70	20.76	20.87	22	0	0
3	64QAM	1	14	20.70	20.70	20.76			
3	64QAM	8	0	20.48	20.59	20.73			
3	64QAM	8	4	20.63	20.71	20.63	22	0	0
3	64QAM	8	7	20.50	20.62	20.53			
3	64QAM	15	0	20.78	20.71	20.46			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	20.71	20.81	20.79	22	0	0
1.4	QPSK	1	3	20.56	20.82	20.74			
1.4	QPSK	1	5	20.69	20.73	20.69			
1.4	QPSK	3	0	20.70	20.75	20.67	22	0	0
1.4	QPSK	3	1	20.57	20.73	20.70			
1.4	QPSK	3	3	20.63	20.61	20.59			
1.4	QPSK	6	0	20.66	20.76	20.66	22	0	0
1.4	16QAM	1	0	20.73	20.77	20.76			
1.4	16QAM	1	3	20.79	20.74	20.85			
1.4	16QAM	1	5	20.73	20.74	20.76	22	0	0
1.4	16QAM	3	0	20.68	20.88	20.62			
1.4	16QAM	3	1	20.68	20.70	20.73			
1.4	16QAM	3	3	20.61	20.84	20.79	22	0	0
1.4	16QAM	6	0	20.71	20.69	20.73			
1.4	64QAM	1	0	20.61	20.66	20.84			
1.4	64QAM	1	3	20.70	20.80	20.82	22	0	0
1.4	64QAM	1	5	20.65	20.74	20.85			
1.4	64QAM	3	0	20.51	20.51	20.78			
1.4	64QAM	3	1	20.59	20.79	20.72	22	0	0
1.4	64QAM	3	3	20.52	20.63	20.81			
1.4	64QAM	6	0	20.76	20.68	20.49			

Band 5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	20.91	20.93	20.90	21	0	0
10	QPSK	1	25	20.85	20.78	20.85			
10	QPSK	1	49	20.81	20.91	20.82			
10	QPSK	25	0	20.89	20.92	20.87	21	0	0
10	QPSK	25	12	20.86	20.81	20.83			
10	QPSK	25	25	20.85	20.88	20.84			
10	QPSK	50	0	20.80	20.84	20.82	21	0	0
10	16QAM	1	0	20.78	20.85	20.90			
10	16QAM	1	25	20.88	20.78	20.82			
10	16QAM	1	49	20.89	20.89	20.86	21	0	0
10	16QAM	25	0	20.78	20.91	20.80			
10	16QAM	25	12	20.85	20.88	20.90			
10	16QAM	25	25	20.80	20.80	20.82	21	0	0
10	16QAM	50	0	20.84	20.86	20.86			
10	64QAM	1	0	20.83	20.90	20.86			
10	64QAM	1	25	20.81	20.91	20.83	21	0	0
10	64QAM	1	49	20.89	20.87	20.84			
10	64QAM	25	0	20.70	20.75	20.78			
10	64QAM	25	12	20.62	20.70	20.64	21	0	0
10	64QAM	25	25	20.68	20.71	20.66			
10	64QAM	50	0	20.59	20.67	20.73			
Channel				20425	20505	20625			
Frequency (MHz)				826.5	835.5	846.5			
5	QPSK	1	0	20.83	20.81	20.82	21	0	0
5	QPSK	1	12	20.71	20.67	20.79			
5	QPSK	1	24	20.71	20.86	20.71			
5	QPSK	12	0	20.80	20.79	20.79	21	0	0
5	QPSK	12	7	20.79	20.75	20.77			
5	QPSK	12	13	20.78	20.77	20.82			
5	QPSK	25	0	20.76	20.71	20.80	21	0	0
5	16QAM	1	0	20.71	20.75	20.78			
5	16QAM	1	12	20.78	20.73	20.77			
5	16QAM	1	24	20.75	20.83	20.79	21	0	0
5	16QAM	12	0	20.66	20.65	20.79			
5	16QAM	12	7	20.71	20.66	20.83			
5	16QAM	12	13	20.68	20.71	20.68	21	0	0
5	16QAM	25	0	20.79	20.71	20.78			
5	64QAM	1	0	20.70	20.75	20.79			
5	64QAM	1	12	20.72	20.81	20.81	21	0	0
5	64QAM	1	24	20.84	20.81	20.83			
5	64QAM	12	0	20.56	20.66	20.67			
5	64QAM	12	7	20.59	20.56	20.63	21	0	0
5	64QAM	12	13	20.50	20.67	20.59			
5	64QAM	25	0	20.47	20.65	20.61			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	20.89	20.89	20.89	21	0	0
3	QPSK	1	8	20.77	20.69	20.83			
3	QPSK	1	14	20.74	20.89	20.80			
3	QPSK	8	0	20.79	20.77	20.80	21	0	0
3	QPSK	8	4	20.72	20.70	20.82			
3	QPSK	8	7	20.74	20.81	20.79			
3	QPSK	15	0	20.75	20.75	20.69	21	0	0
3	16QAM	1	0	20.74	20.75	20.77			
3	16QAM	1	8	20.78	20.76	20.80			
3	16QAM	1	14	20.87	20.78	20.77	21	0	0
3	16QAM	8	0	20.67	20.76	20.75			
3	16QAM	8	3	20.83	20.83	20.85			
3	16QAM	8	7	20.72	20.79	20.75	21	0	0
3	16QAM	15	0	20.81	20.77	20.81			
3	64QAM	1	0	20.70	20.81	20.80			
3	64QAM	1	8	20.77	20.81	20.71	21	0	0
3	64QAM	1	14	20.82	20.80	20.72			
3	64QAM	8	0	20.57	20.61	20.73			
3	64QAM	8	4	20.56	20.68	20.52	21	0	0
3	64QAM	8	7	20.64	20.62	20.61			
3	64QAM	15	0	20.55	20.54	20.69			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	20.80	20.90	20.84	21	0	0
1.4	QPSK	1	3	20.82	20.75	20.71			
1.4	QPSK	1	5	20.79	20.90	20.76			
1.4	QPSK	3	0	20.77	20.82	20.73	21	0	0
1.4	QPSK	3	1	20.83	20.77	20.78			
1.4	QPSK	3	3	20.82	20.79	20.83			
1.4	QPSK	6	0	20.69	20.75	20.78	21	0	0
1.4	16QAM	1	0	20.71	20.84	20.80			
1.4	16QAM	1	3	20.81	20.87	20.77			
1.4	16QAM	1	5	20.82	20.79	20.76	21	0	0
1.4	16QAM	3	0	20.68	20.90	20.65			
1.4	16QAM	3	1	20.77	20.79	20.86			
1.4	16QAM	3	3	20.67	20.65	20.76	21	0	0
1.4	16QAM	6	0	20.71	20.85	20.71			
1.4	64QAM	1	0	20.78	20.78	20.75			
1.4	64QAM	1	3	20.71	20.79	20.72	21	0	0
1.4	64QAM	1	5	20.78	20.90	20.73			
1.4	64QAM	3	0	20.63	20.72	20.63			
1.4	64QAM	3	1	20.58	20.61	20.57	21	0	0
1.4	64QAM	3	3	20.54	20.59	20.51			
1.4	64QAM	6	0	20.51	20.53	20.58			

Band 7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	17.01	17.07	17.04	17.5	0	
20	QPSK	1	49	16.87	16.92	16.91			
20	QPSK	1	99	16.98	16.96	16.90			
20	QPSK	50	0	16.99	17.00	16.97	17.5	0	
20	QPSK	50	24	16.96	16.88	16.92			
20	QPSK	50	50	16.88	16.91	16.92			
20	QPSK	100	0	16.92	16.97	16.88	17.5	0	
20	16QAM	1	0	16.90	16.97	16.97			
20	16QAM	1	49	16.91	16.98	16.99			
20	16QAM	1	99	16.97	16.95	16.91	17.5	0	
20	16QAM	50	0	16.90	16.98	16.89			
20	16QAM	50	24	16.88	16.97	17.02			
20	16QAM	50	50	17.00	16.90	16.96	17.5	0	
20	16QAM	100	0	16.96	16.93	16.93			
20	64QAM	1	0	17.00	16.98	17.02			
20	64QAM	1	49	16.95	16.92	17.00	17.5	0	
20	64QAM	1	99	16.96	16.88	17.01			
20	64QAM	50	0	16.92	16.98	16.94			
20	64QAM	50	24	16.87	17.00	16.99	17.5	0	
20	64QAM	50	50	16.95	16.92	17.02			
20	64QAM	100	0	16.89	16.87	16.93			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.94	17.06	16.96	17.5	0	
15	QPSK	1	37	16.76	16.84	16.80			
15	QPSK	1	74	16.97	16.89	16.75			
15	QPSK	36	0	16.88	16.89	16.89	17.5	0	
15	QPSK	36	20	16.84	16.80	16.83			
15	QPSK	36	39	16.86	16.89	16.88			
15	QPSK	75	0	16.78	16.90	16.86	17.5	0	
15	16QAM	1	0	16.76	16.87	16.94			
15	16QAM	1	37	16.79	16.92	16.97			
15	16QAM	1	74	16.87	16.88	16.82	17.5	0	
15	16QAM	36	0	16.83	16.95	16.78			
15	16QAM	36	20	16.87	16.91	16.93			
15	16QAM	36	39	16.88	16.83	16.90	17.5	0	
15	16QAM	75	0	16.93	16.81	16.89			
15	64QAM	1	0	16.92	16.95	16.89			
15	64QAM	1	37	16.89	16.87	16.86	17.5	0	
15	64QAM	1	74	16.81	16.87	16.94			
15	64QAM	36	0	16.91	16.86	16.86			
15	64QAM	36	20	16.77	16.85	16.94	17.5	0	
15	64QAM	36	39	16.82	16.81	16.89			
15	64QAM	75	0	16.79	16.84	16.89			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.91	16.94	16.90	17.5	0	
10	QPSK	1	25	16.76	16.80	16.86			
10	QPSK	1	49	16.84	16.81	16.84			
10	QPSK	25	0	16.86	16.86	16.93	17.5	0	
10	QPSK	25	12	16.83	16.75	16.81			
10	QPSK	25	25	16.74	16.90	16.84			
10	QPSK	50	0	16.88	16.87	16.79	17.5	0	
10	16QAM	1	0	16.77	16.83	16.82			
10	16QAM	1	25	16.78	16.91	16.98			
10	16QAM	1	49	16.92	16.90	16.79	17.5	0	
10	16QAM	25	0	16.84	16.85	16.77			
10	16QAM	25	12	16.76	16.84	16.88			
10	16QAM	25	25	16.88	16.89	16.83	17.5	0	
10	16QAM	50	0	16.95	16.80	16.80			
10	64QAM	1	0	16.93	16.90	17.01			
10	64QAM	1	25	16.93	16.79	16.88	17.5	0	
10	64QAM	1	49	16.82	16.83	16.95			
10	64QAM	25	0	16.83	16.93	16.86			
10	64QAM	25	12	16.75	16.85	16.98	17.5	0	
10	64QAM	25	25	16.86	16.83	16.89			
10	64QAM	50	0	16.85	16.84	16.78			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.96	16.98	17.00	17.5	0	
5	QPSK	1	12	16.79	16.89	16.76			
5	QPSK	1	24	16.97	16.81	16.81			
5	QPSK	12	0	16.84	16.97	16.85	17.5	0	
5	QPSK	12	7	16.86	16.85	16.79			
5	QPSK	12	13	16.82	16.76	16.84			
5	QPSK	25	0	16.88	16.88	16.81	17.5	0	
5	16QAM	1	0	16.79	16.92	16.92			
5	16QAM	1	12	16.80	16.92	16.94			
5	16QAM	1	24	16.94	16.84	16.85	17.5	0	
5	16QAM	12	0	16.81	16.92	16.84			
5	16QAM	12	7	16.77	16.82	16.97			
5	16QAM	12	13	16.99	16.75	16.85	17.5	0	
5	16QAM	25	0	16.83	16.85	16.85			
5	64QAM	1	0	16.85	16.95	16.97			
5	64QAM	1	12	16.93	16.84	16.86	17.5	0	
5	64QAM	1	24	16.88	16.82	16.87			
5	64QAM	12	0	16.83	16.83	16.83			
5	64QAM	12	7	16.73	16.95	16.91	17.5	0	
5	64QAM	12	13	16.84	16.91	16.92			
5	64QAM	25	0	16.78	16.86	16.86			

Band 7_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	19.40	19.53	19.45	21	0	
20	QPSK	1	49	19.47	19.51	19.40			
20	QPSK	1	99	19.44	19.50	19.37			
20	QPSK	50	0	19.46	19.47	19.41	21	0	
20	QPSK	50	24	19.41	19.42	19.33			
20	QPSK	50	50	19.38	19.41	19.32			
20	QPSK	100	0	19.38	19.46	19.39	21	0	
20	16QAM	1	0	19.39	19.39	19.39			
20	16QAM	1	49	19.43	19.51	19.44			
20	16QAM	1	99	19.40	19.52	19.40	21	0	
20	16QAM	50	0	19.47	19.50	19.44			
20	16QAM	50	24	19.37	19.42	19.32			
20	16QAM	50	50	19.36	19.47	19.33	21	0	
20	16QAM	100	0	19.35	19.42	19.44			
20	64QAM	1	0	19.12	19.29	19.16			
20	64QAM	1	49	19.28	19.44	19.40	21	0	
20	64QAM	1	99	19.42	19.45	19.32			
20	64QAM	50	0	18.68	18.86	18.72			
20	64QAM	50	24	18.71	18.79	18.81	20	1	
20	64QAM	50	50	18.67	18.81	18.76			
20	64QAM	100	0	18.72	18.80	18.73			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	19.46	19.38	19.31	21	0	
15	QPSK	1	37	19.40	19.39	19.29			
15	QPSK	1	74	19.32	19.37	19.28			
15	QPSK	36	0	19.36	19.35	19.29	21	0	
15	QPSK	36	20	19.32	19.41	19.31			
15	QPSK	36	39	19.27	19.38	19.21			
15	QPSK	75	0	19.34	19.42	19.29	21	0	
15	16QAM	1	0	19.32	19.28	19.28			
15	16QAM	1	37	19.31	19.41	19.43			
15	16QAM	1	74	19.32	19.37	19.28	21	0	
15	16QAM	36	0	19.39	19.47	19.43			
15	16QAM	36	20	19.23	19.38	19.28			
15	16QAM	36	39	19.28	19.32	19.19	21	0	
15	16QAM	75	0	19.30	19.35	19.46			
15	64QAM	1	0	19.00	19.15	19.02			
15	64QAM	1	37	19.24	19.40	19.35	21	0	
15	64QAM	1	74	19.33	19.40	19.18			
15	64QAM	36	0	18.58	18.80	18.62			
15	64QAM	36	20	18.67	18.74	18.75	20	1	
15	64QAM	36	39	18.50	18.88	18.69			
15	64QAM	75	0	18.67	18.68	18.63			
Channel				20800	21100	21600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	19.45	19.46	19.33	21	0	
10	QPSK	1	25	19.35	19.39	19.29			
10	QPSK	1	49	19.20	19.48	19.24			
10	QPSK	25	0	19.45	19.37	19.32	21	0	
10	QPSK	25	12	19.32	19.33	19.28			
10	QPSK	25	25	19.29	19.30	19.23			
10	QPSK	50	0	19.28	19.43	19.33	21	0	
10	16QAM	1	0	19.28	19.31	19.38			
10	16QAM	1	25	19.40	19.47	19.41			
10	16QAM	1	49	19.32	19.46	19.26	21	0	
10	16QAM	25	0	19.43	19.39	19.35			
10	16QAM	25	12	19.38	19.29	19.30			
10	16QAM	25	25	19.33	19.42	19.19	21	0	
10	16QAM	50	0	19.26	19.38	19.40			
10	64QAM	1	0	19.03	19.20	19.04			
10	64QAM	1	25	19.18	19.35	19.37	21	0	
10	64QAM	1	49	19.27	19.30	19.26			
10	64QAM	25	0	18.60	18.82	18.62			
10	64QAM	25	12	18.61	18.73	18.77	20	1	
10	64QAM	25	25	18.63	18.87	18.72			
10	64QAM	50	0	18.61	18.77	18.66			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	19.40	19.39	19.37	21	0	
5	QPSK	1	12	19.43	19.40	19.27			
5	QPSK	1	24	19.42	19.43	19.27			
5	QPSK	12	0	19.34	19.42	19.35	21	0	
5	QPSK	12	7	19.28	19.36	19.27			
5	QPSK	12	13	19.36	19.39	19.25			
5	QPSK	25	0	19.24	19.33	19.31	21	0	
5	16QAM	1	0	19.33	19.24	19.26			
5	16QAM	1	12	19.38	19.27	19.24			
5	16QAM	1	24	19.36	19.42	19.29	21	0	
5	16QAM	12	0	19.46	19.38	19.31			
5	16QAM	12	7	19.33	19.32	19.29			
5	16QAM	12	13	19.31	19.34	19.29	21	0	
5	16QAM	25	0	19.34	19.38	19.39			
5	64QAM	1	0	19.08	19.22	19.12			
5	64QAM	1	12	19.18	19.30	19.33	21	0	
5	64QAM	1	24	19.33	19.38	19.18			
5	64QAM	12	0	18.67	18.81	18.57			
5	64QAM	12	7	18.57	18.75	18.67	20	1	
5	64QAM	12	13	18.58	18.87	18.67			
5	64QAM	25	0	18.62	18.76	18.70			

Band 12_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23060	23095	23130				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	23.01	23.19	23.05	24	0		
10	QPSK	1	25	22.95	22.97	22.96				
10	QPSK	1	49	22.99	23.06	23.07				
10	QPSK	25	0	22.15	22.26	22.15	23	1		
10	QPSK	25	12	22.14	22.19	22.06				
10	QPSK	25	25	22.13	22.23	22.13				
10	QPSK	50	0	22.18	22.23	22.10	23	1		
10	16QAM	1	0	22.29	22.39	22.27				
10	16QAM	1	25	22.34	22.48	22.35				
10	16QAM	1	49	22.42	22.53	22.46	22	2		
10	16QAM	25	0	21.15	21.19	21.15				
10	16QAM	25	12	21.14	21.16	21.14				
10	16QAM	25	25	21.18	21.21	21.15	22	2		
10	16QAM	50	0	21.11	21.23	21.11				
10	64QAM	1	0	21.14	21.29	21.16				
10	64QAM	1	25	21.20	21.30	21.25	22	2		
10	64QAM	1	49	21.36	21.39	21.30				
10	64QAM	25	0	20.08	20.18	20.07				
10	64QAM	25	12	20.07	20.16	20.11	21	3		
10	64QAM	25	25	20.13	20.21	20.06				
10	64QAM	50	0	20.10	20.21	20.14				
Channel				23035	23095	23155	Tune-up limit (dBm)			
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	22.98	23.16	23.03	24	0		
5	QPSK	1	12	22.89	22.82	22.84				
5	QPSK	1	24	22.91	23.05	22.93				
5	QPSK	12	0	22.03	22.24	22.03	23	1		
5	QPSK	12	7	22.09	22.16	21.92				
5	QPSK	12	13	22.07	22.13	22.12				
5	QPSK	25	0	22.09	22.10	22.06	23	1		
5	16QAM	1	0	22.27	22.38	22.12				
5	16QAM	1	12	22.23	22.39	22.30				
5	16QAM	1	24	22.32	22.50	22.31	22	2		
5	16QAM	12	0	21.12	21.14	21.03				
5	16QAM	12	7	21.08	21.10	21.13				
5	16QAM	12	13	21.10	21.12	21.10	22	2		
5	16QAM	25	0	21.07	21.17	21.07				
5	64QAM	1	0	21.06	21.20	21.09				
5	64QAM	1	12	21.16	21.17	21.13	22	2		
5	64QAM	1	24	21.31	21.26	21.19				
5	64QAM	12	0	20.01	20.17	20.04				
5	64QAM	12	7	20.06	20.14	20.02	21	3		
5	64QAM	12	13	20.08	20.18	20.04				
5	64QAM	25	0	20.00	20.06	20.01				
Channel				23025	23095	23165	Tune-up limit (dBm)			
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	22.91	23.07	23.05	24	0		
3	QPSK	1	8	22.93	22.87	22.84				
3	QPSK	1	14	22.97	22.95	22.93				
3	QPSK	8	0	22.11	22.18	22.03	23	1		
3	QPSK	8	4	22.04	22.05	22.05				
3	QPSK	8	7	22.11	22.14	22.07				
3	QPSK	15	0	22.11	22.13	21.99	23	1		
3	16QAM	1	0	22.17	22.32	22.20				
3	16QAM	1	8	22.32	22.44	22.21				
3	16QAM	1	14	22.30	22.44	22.32	22	2		
3	16QAM	8	0	21.05	21.11	21.04				
3	16QAM	8	4	21.09	21.06	21.13				
3	16QAM	8	7	21.08	21.15	21.13	22	2		
3	16QAM	15	0	21.04	21.14	21.02				
3	64QAM	1	0	21.11	21.18	21.15				
3	64QAM	1	8	21.06	21.27	21.11	22	2		
3	64QAM	1	14	21.25	21.31	21.16				
3	64QAM	8	0	19.96	20.16	20.02				
3	64QAM	8	4	19.95	20.15	19.98	21	3		
3	64QAM	8	7	19.98	20.12	20.00				
3	64QAM	15	0	20.05	20.18	20.09				
Channel				23017	23095	23173	Tune-up limit (dBm)			
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	22.98	23.11	23.07	24	0		
1.4	QPSK	1	3	22.90	22.83	22.89				
1.4	QPSK	1	5	22.88	22.95	23.04				
1.4	QPSK	3	0	22.91	23.13	22.97	23	1		
1.4	QPSK	3	1	22.90	22.89	22.82				
1.4	QPSK	3	3	22.92	22.95	22.97				
1.4	QPSK	6	0	22.09	22.20	21.96	23	1		
1.4	16QAM	1	0	22.20	22.26	22.13				
1.4	16QAM	1	3	22.26	22.45	22.27				
1.4	16QAM	1	5	22.36	22.41	22.32	23	1		
1.4	16QAM	3	0	22.16	22.17	22.08				
1.4	16QAM	3	1	22.11	22.42	22.17				
1.4	16QAM	3	3	22.33	22.28	22.27	22	2		
1.4	16QAM	6	0	21.04	21.18	21.02				
1.4	64QAM	1	0	21.09	21.20	21.14				
1.4	64QAM	1	3	21.05	21.28	21.17	22	2		
1.4	64QAM	1	5	21.35	21.28	21.22				
1.4	64QAM	3	1	20.98	21.11	21.03				
1.4	64QAM	3	1	21.04	21.24	21.06	21	3		
1.4	64QAM	3	3	21.34	21.15	21.09				
1.4	64QAM	6	0	19.96	20.12	20.13				

Band 13_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.66		23.8	0		
10	QPSK	1	25		22.65					
10	QPSK	1	49		22.64					
10	QPSK	25	0		21.65		22.8	1		
10	QPSK	25	12		21.64					
10	QPSK	25	25		21.64					
10	QPSK	50	0		21.64		22.8	1		
10	16QAM	1	0		21.95					
10	16QAM	1	25		21.95					
10	16QAM	1	49		21.92		21.8	2		
10	16QAM	25	0		20.62					
10	16QAM	25	12		20.63					
10	16QAM	25	25		20.63		21.8	2		
10	16QAM	50	0		20.63					
10	64QAM	1	0		20.88					
10	64QAM	1	25		20.82		20.8	3		
10	64QAM	1	49		20.79					
10	64QAM	25	0		19.62					
10	64QAM	25	12		19.62		20.8	3		
10	64QAM	25	25		19.67					
10	64QAM	50	0		19.67					
Channel				23205	7320	23255	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				779.5	782	784.5				
5	QPSK	1	0	22.54	22.66	22.52	23.8	0		
5	QPSK	1	12	22.55	22.54	22.63				
5	QPSK	1	24	22.53	22.61	22.53				
5	QPSK	12	0	21.62	21.57	21.51	22.8	1		
5	QPSK	12	7	21.51	21.52	21.54				
5	QPSK	12	13	21.56	21.57	21.61				
5	QPSK	25	0	21.59	21.61	21.50	22.8	1		
5	16QAM	1	0	21.93	21.85	21.92				
5	16QAM	1	12	21.86	21.92	21.82				
5	16QAM	1	24	21.87	21.90	21.77	22.8	1		
5	16QAM	12	0	20.56	20.51	20.54				
5	16QAM	12	7	20.61	20.54	20.48				
5	16QAM	12	13	20.62	20.57	20.61	21.8	2		
5	16QAM	25	0	20.54	20.54	20.54				
5	64QAM	1	0	20.77	20.77	20.85				
5	64QAM	1	12	20.68	20.77	20.75	21.8	2		
5	64QAM	1	24	20.68	20.65	20.65				
5	64QAM	12	0	19.61	19.56	19.49				
5	64QAM	12	7	19.61	19.53	19.50	20.8	3		
5	64QAM	12	13	19.63	19.54	19.61				
5	64QAM	25	0	19.57	19.51	19.53				

Band 17_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.76	23.86	23.78	25	0		
10	QPSK	1	25	23.65	23.81	23.74				
10	QPSK	1	49	23.75	23.85	23.74				
10	QPSK	25	0	22.91	22.99	22.85	24	1		
10	QPSK	25	12	22.80	22.95	22.88				
10	QPSK	25	25	22.78	22.87	22.87				
10	QPSK	50	0	22.86	22.92	22.80	24	1		
10	16QAM	1	0	23.13	23.28	23.20				
10	16QAM	1	25	23.18	23.28	23.19				
10	16QAM	1	49	23.28	23.29	23.25	23	2		
10	16QAM	25	0	21.86	21.98	21.89				
10	16QAM	25	12	21.84	21.93	21.79				
10	16QAM	25	25	21.90	21.97	21.94	23	2		
10	16QAM	50	0	21.90	21.98	21.89				
10	64QAM	1	0	22.06	22.12	22.06				
10	64QAM	1	25	21.98	22.09	22.08	22	3		
10	64QAM	1	49	21.99	22.12	22.00				
10	64QAM	25	0	20.91	20.97	20.83				
10	64QAM	25	12	20.86	20.91	20.80	22	3		
10	64QAM	25	25	20.87	20.97	20.96				
10	64QAM	50	0	20.90	20.94	20.88				
Channel				23755	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	23.74	23.78	23.68	25	0		
5	QPSK	1	12	23.61	23.68	23.60				
5	QPSK	1	24	23.60	23.74	23.73				
5	QPSK	12	0	22.83	22.94	22.80	24	1		
5	QPSK	12	7	22.77	22.88	22.84				
5	QPSK	12	13	22.65	22.84	22.83				
5	QPSK	25	0	22.78	22.85	22.71	24	1		
5	16QAM	1	0	23.09	23.27	23.17				
5	16QAM	1	12	23.15	23.14	23.04				
5	16QAM	1	24	23.18	23.23	23.13	23	2		
5	16QAM	12	0	21.78	21.89	21.77				
5	16QAM	12	7	21.78	21.80	21.66				
5	16QAM	12	13	21.84	21.86	21.86	23	2		
5	16QAM	25	0	21.76	21.94	21.78				
5	64QAM	1	0	21.92	22.04	21.95				
5	64QAM	1	12	21.88	22.04	21.94	23	2		
5	64QAM	1	24	21.97	21.99	21.86				
5	64QAM	12	0	20.87	20.96	20.74				
5	64QAM	12	7	20.83	20.87	20.79	22	3		
5	64QAM	12	13	20.72	20.92	20.83				
5	64QAM	25	0	20.79	20.88	20.81				

Band 17_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	23.03	23.07	22.99	24	0		
10	QPSK	1	25	22.85	22.87	22.83				
10	QPSK	1	49	22.85	23.06	22.93				
10	QPSK	25	0	22.21	22.27	22.17	23	1		
10	QPSK	25	12	22.00	22.17	22.00				
10	QPSK	25	25	22.07	22.24	22.15				
10	QPSK	50	0	22.19	22.23	22.17	23	1		
10	16QAM	1	0	22.47	22.51	22.47				
10	16QAM	1	25	22.40	22.49	22.38				
10	16QAM	1	49	22.35	22.47	22.32	22	2		
10	16QAM	25	0	21.05	21.19	21.12				
10	16QAM	25	12	21.02	21.16	21.14				
10	16QAM	25	25	21.11	21.24	21.18	22	2		
10	16QAM	50	0	21.09	21.19	21.13				
10	64QAM	1	0	21.34	21.38	21.36				
10	64QAM	1	25	21.29	21.34	21.29	22	2		
10	64QAM	1	49	21.33	21.37	21.31				
10	64QAM	25	0	20.14	20.20	20.08				
10	64QAM	25	12	20.08	20.15	20.06	21	3		
10	64QAM	25	25	20.15	20.23	20.15				
10	64QAM	50	0	20.11	20.22	20.17				
Channel				23765	23790	23825				
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	22.90	23.03	22.84	24	0		
5	QPSK	1	12	22.71	22.76	22.79				
5	QPSK	1	24	22.79	22.95	22.88				
5	QPSK	12	0	22.18	22.13	22.11	23	1		
5	QPSK	12	7	21.95	22.14	21.92				
5	QPSK	12	13	22.04	22.10	22.13				
5	QPSK	25	0	22.16	22.15	22.11	23	1		
5	16QAM	1	0	22.38	22.36	22.44				
5	16QAM	1	12	22.34	22.47	22.32				
5	16QAM	1	24	22.24	22.34	22.24	22	2		
5	16QAM	12	0	21.03	21.04	21.07				
5	16QAM	12	7	20.88	21.10	21.05				
5	16QAM	12	13	21.02	21.19	21.13	22	2		
5	16QAM	25	0	20.97	21.16	21.07				
5	64QAM	1	0	21.20	21.35	21.23				
5	64QAM	1	12	21.25	21.26	21.28	22	2		
5	64QAM	1	24	21.29	21.36	21.28				
5	64QAM	12	0	20.13	20.09	20.07				
5	64QAM	12	7	20.05	20.06	19.96	21	3		
5	64QAM	12	13	20.08	20.21	20.05				
5	64QAM	25	0	20.08	20.12	20.03				

Band 26_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				26785	26865	26965							
Frequency (MHz)				821.5	831.5	841.5							
15	QPSK	1	0	20.95	21.00	20.91	22	0					
15	QPSK	1	37	20.87	20.95	20.88							
15	QPSK	1	74	20.90	20.92	20.88							
15	QPSK	36	0	20.88	20.92	20.89	22	0					
15	QPSK	36	20	20.82	20.88	20.88							
15	QPSK	36	39	20.80	20.87	20.85							
15	QPSK	75	0	20.84	20.90	20.88	22	0					
15	16QAM	1	0	20.82	20.86	20.85							
15	16QAM	1	37	20.92	20.93	20.89							
15	16QAM	1	74	20.83	20.86	20.78	22	0					
15	16QAM	36	0	20.87	20.93	20.80							
15	16QAM	36	20	20.80	20.87	20.82							
15	16QAM	36	39	20.79	20.95	20.84	22	0					
15	16QAM	75	0	20.95	20.91	20.91							
15	64QAM	1	0	20.94	20.88	20.79							
15	64QAM	1	37	20.83	20.91	20.85	22	0					

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	21.46	21.48	21.46	22.5	0	
15	QPSK	1	37	21.33	21.38	21.33			
15	QPSK	1	74	21.33	21.47	21.33			
15	QPSK	36	0	21.40	21.43	21.42	22.5	0	
15	QPSK	36	20	21.32	21.36	21.35			
15	QPSK	36	39	21.35	21.42	21.35			
15	QPSK	75	0	21.33	21.42	21.35	22.5	0	
15	16QAM	1	0	21.35	21.39	21.38			
15	16QAM	1	37	21.33	21.43	21.31			
15	16QAM	1	74	21.33	21.35	21.35	22	0.5	
15	16QAM	36	0	20.60	20.69	20.65			
15	16QAM	36	20	20.66	20.78	20.67			
15	16QAM	36	39	20.76	20.73	20.73	22	0.5	
15	16QAM	75	0	20.70	20.75	20.72			
15	64QAM	1	0	20.77	20.87	20.77			
15	64QAM	1	37	20.70	20.81	20.70	22	0.5	
15	64QAM	1	74	20.80	20.85	20.74			
15	64QAM	36	0	19.62	19.78	19.62			
15	64QAM	36	20	19.66	19.69	19.78	21	1.5	
15	64QAM	36	39	19.74	19.67	19.65			
15	64QAM	75	0	19.58	19.71	19.70			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	21.38	21.36	21.43	22.5	0	
10	QPSK	1	25	21.18	21.34	21.31			
10	QPSK	1	49	21.20	21.44	21.21			
10	QPSK	25	0	21.29	21.39	21.27	22.5	0	
10	QPSK	25	12	21.23	21.26	21.21			
10	QPSK	25	25	21.23	21.39	21.31			
10	QPSK	50	0	21.27	21.32	21.34	22.5	0	
10	16QAM	1	0	21.33	21.28	21.32			
10	16QAM	1	25	21.23	21.40	21.16			
10	16QAM	1	49	21.29	21.28	21.33	22	0.5	
10	16QAM	25	0	20.53	20.60	20.52			
10	16QAM	25	12	20.57	20.74	20.60			
10	16QAM	25	25	20.72	20.70	20.60	22	0.5	
10	16QAM	50	0	20.63	20.74	20.62			
10	64QAM	1	0	20.67	20.79	20.68			
10	64QAM	1	25	20.57	20.67	20.68	22	0.5	
10	64QAM	1	49	20.57	20.75	20.61			
10	64QAM	25	0	19.52	19.75	19.57			
10	64QAM	25	12	19.58	19.59	19.76	21	1.5	
10	64QAM	25	25	19.65	19.62	19.54			
10	64QAM	50	0	19.51	19.62	19.68			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	21.36	21.38	21.39	22.5	0	
5	QPSK	1	12	21.28	21.28	21.20			
5	QPSK	1	24	21.32	21.43	21.27			
5	QPSK	12	0	21.32	21.36	21.28	22.5	0	
5	QPSK	12	7	21.30	21.31	21.21			
5	QPSK	12	13	21.29	21.35	21.24			
5	QPSK	25	0	21.32	21.34	21.29	22.5	0	
5	16QAM	1	0	21.32	21.24	21.28			
5	16QAM	1	12	21.27	21.37	21.16			
5	16QAM	1	24	21.19	21.25	21.24	22	0.5	
5	16QAM	12	0	20.45	20.57	20.64			
5	16QAM	12	7	20.51	20.72	20.55			
5	16QAM	12	13	20.71	20.66	20.66	22	0.5	
5	16QAM	25	0	20.56	20.64	20.62			
5	64QAM	1	0	20.69	20.75	20.70			
5	64QAM	1	12	20.56	20.76	20.57	22	0.5	
5	64QAM	1	24	20.73	20.81	20.62			
5	64QAM	12	0	19.61	19.69	19.50			
5	64QAM	12	7	19.57	19.64	19.66	21	1.5	
5	64QAM	12	13	19.64	19.56	19.50			
5	64QAM	25	0	19.54	19.56	19.59			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	21.32	21.44	21.41	22.5	0	
3	QPSK	1	8	21.19	21.28	21.22			
3	QPSK	1	14	21.26	21.36	21.24			
3	QPSK	8	0	21.37	21.28	21.28	22.5	0	
3	QPSK	8	4	21.26	21.33	21.31			
3	QPSK	8	7	21.22	21.30	21.34			
3	QPSK	15	0	21.18	21.41	21.34	22.5	0	
3	16QAM	1	0	21.31	21.27	21.30			
3	16QAM	1	21	21.25	21.26	21.23			
3	16QAM	1	14	21.25	21.27	21.33	22	0.5	
3	16QAM	8	0	20.51	20.57	20.50			
3	16QAM	8	4	20.57	20.63	20.54			
3	16QAM	8	7	20.70	20.72	20.71	22	0.5	
3	16QAM	15	0	20.61	20.73	20.67			
3	64QAM	1	0	20.70	20.85	20.62			
3	64QAM	1	8	20.56	20.66	20.69	22	0.5	
3	64QAM	1	14	20.76	20.73	20.71			
3	64QAM	8	0	19.60	19.77	19.54			
3	64QAM	8	4	19.56	19.57	19.73	21	1.5	
3	64QAM	8	7	19.59	19.60	19.59			
3	64QAM	15	0	19.50	19.67	19.64			
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	21.31	21.42	21.36	22.5	0	
1.4	QPSK	1	3	21.29	21.30	21.29			
1.4	QPSK	1	5	21.24	21.33	21.26			
1.4	QPSK	3	0	21.35	21.28	21.21	22.5	0	
1.4	QPSK	3	1	21.17	21.28	21.21			
1.4	QPSK	3	3	21.30	21.36	21.27			
1.4	QPSK	6	0	21.23	21.33	21.29	22.5	0	
1.4	16QAM	1	0	21.28	21.26	21.26			
1.4	16QAM	1	3	21.19	21.32	21.29			
1.4	16QAM	1	5	21.20	21.33	21.28	22.5	0	
1.4	16QAM	3	0	21.14	21.25	21.20			
1.4	16QAM	3	1	21.18	21.22	21.27			
1.4	16QAM	3	3	21.13	21.19	21.27	22	0.5	
1.4	16QAM	6	0	20.59	20.60	20.67			
1.4	64QAM	1	0	20.64	20.79	20.74			
1.4	64QAM	1	3	20.65	20.72	20.69	22	0.5	
1.4	64QAM	1	5	20.72	20.76	20.69			
1.4	64QAM	3	0	20.60	20.77	20.68			
1.4	64QAM	3	1	20.58	20.70	20.55	21	1.5	
1.4	64QAM	3	3	20.57	20.65	20.63			
1.4	64QAM	6	0	19.48	19.59	19.70			

Band 66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.95	23.97	23.93	25	0	
20	QPSK	1	49	23.87	23.89	23.80			
20	QPSK	1	99	23.70	23.82	23.67			
20	QPSK	50	0	23.43	23.48	23.47	24	1	
20	QPSK	50	24	23.32	23.44	23.36			
20	QPSK	50	50	23.25	23.37	23.30			
20	QPSK	100	0	23.25	23.40	23.28	24	1	
20	16QAM	1	0	23.43	23.49	23.41			
20	16QAM	1	49	23.59	23.60	23.57			
20	16QAM	1	99	23.53	23.61	23.46	23	2	
20	16QAM	50	0	22.46	22.47	22.41			
20	16QAM	50	24	22.31	22.41	22.37			
20	16QAM	50	50	22.27	22.31	22.28	23	2	
20	16QAM	100	0	22.30	22.37	22.29			
20	64QAM	1	0	22.55	22.60	22.55			
20	64QAM	1	49	22.53	22.55	22.50	22	3	
20</									

Band 66_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.36	22.47	22.22	23	0	
20	QPSK	1	49	22.07	22.21	22.16			
20	QPSK	1	99	21.99	22.11	22.08			
20	QPSK	50	0	21.27	21.29	21.23			
20	QPSK	50	24	21.17	21.24	21.21	22	1	
20	QPSK	50	50	21.14	21.15	21.14			
20	QPSK	100	0	21.21	21.22	21.07			
20	16QAM	1	0	21.58	21.64	21.56			
20	16QAM	1	49	21.42	21.49	21.41	22	1	
20	16QAM	1	99	21.26	21.40	21.32			
20	16QAM	50	0	20.24	20.27	20.18			
20	16QAM	50	24	20.16	20.27	20.21			
20	16QAM	50	50	20.03	20.18	20.11	21	2	
20	16QAM	100	0	20.16	20.24	20.09			
20	64QAM	1	0	20.53	20.56	20.49			
20	64QAM	1	49	20.31	20.38	20.23			
20	64QAM	1	99	20.21	20.28	20.27	20	3	
20	64QAM	50	0	19.28	19.31	19.30			
20	64QAM	50	24	19.27	19.29	19.23			
20	64QAM	50	50	19.09	19.18	19.17			
20	64QAM	100	0	19.21	19.24	19.10			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.26	22.24	22.07	23	0	
15	QPSK	1	37	21.92	22.17	22.10			
15	QPSK	1	74	21.89	21.98	21.99			
15	QPSK	36	0	21.14	21.25	21.13			
15	QPSK	36	20	21.02	21.22	21.09	22	1	
15	QPSK	36	39	21.11	21.05	21.05			
15	QPSK	75	0	21.11	21.15	20.95			
15	16QAM	1	0	21.54	21.63	21.54			
15	16QAM	1	37	21.31	21.46	21.37	22	1	
15	16QAM	1	74	21.23	21.36	21.17			
15	16QAM	36	0	20.17	20.22	20.05			
15	16QAM	36	20	20.02	20.17	20.12			
15	16QAM	36	39	19.91	20.06	20.08	21	2	
15	16QAM	75	0	20.02	20.20	19.98			
15	64QAM	1	0	20.38	20.51	20.39			
15	64QAM	1	37	20.20	20.27	20.08			
15	64QAM	1	74	20.16	20.14	20.24	20	3	
15	64QAM	36	0	19.21	19.21	19.21			
15	64QAM	36	20	19.13	19.20	19.18			
15	64QAM	36	39	19.03	19.16	19.04			
15	64QAM	75	0	19.14	19.16	18.99			
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.29	22.23	22.17	22	1	
10	QPSK	1	25	21.95	22.14	22.01			
10	QPSK	1	49	21.89	21.96	21.97			
10	QPSK	25	0	21.26	21.17	21.12			
10	QPSK	25	12	21.15	21.11	21.15	22	1	
10	QPSK	25	25	21.10	21.07	21.02			
10	QPSK	50	0	21.15	21.11	20.95			
10	16QAM	1	0	21.51	21.55	21.44			
10	16QAM	1	25	21.30	21.48	21.34	22	1	
10	16QAM	1	49	21.20	21.31	21.29			
10	16QAM	25	0	20.17	20.13	20.06			
10	16QAM	25	12	20.08	20.26	20.08			
10	16QAM	25	25	19.95	20.04	20.01	21	2	
10	16QAM	50	0	20.15	20.16	20.08			
10	64QAM	1	0	20.39	20.45	20.35			
10	64QAM	1	25	20.22	20.31	20.18			
10	64QAM	1	49	20.06	20.16	20.17	21	2	
10	64QAM	25	0	19.21	19.21	19.25			
10	64QAM	25	12	19.20	19.23	19.12			
10	64QAM	25	25	19.07	19.09	19.12			
10	64QAM	50	0	19.08	19.22	18.98	20	3	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.25	22.27	22.12			
5	QPSK	1	12	22.02	22.08	22.13			
5	QPSK	1	24	21.87	22.09	22.03			
5	QPSK	12	0	21.17	21.27	21.19			
5	QPSK	12	7	21.05	21.18	21.15	22	1	
5	QPSK	12	13	21.09	21.02	21.01			
5	QPSK	25	0	21.17	21.13	20.92			
5	16QAM	1	0	21.50	21.54	21.46			
5	16QAM	1	12	21.32	21.47	21.32	22	1	
5	16QAM	1	24	21.22	21.29	21.19			
5	16QAM	12	0	20.16	20.19	20.16			
5	16QAM	12	7	20.11	20.16	20.17			
5	16QAM	12	13	19.94	20.06	20.03	21	2	
5	16QAM	25	0	20.14	20.20	19.94			
5	64QAM	1	0	20.41	20.47	20.48			
5	64QAM	1	12	20.22	20.34	20.17			
5	64QAM	1	24	20.19	20.18	20.15	21	2	
5	64QAM	12	0	19.20	19.30	19.15			
5	64QAM	12	7	19.22	19.18	19.19			
5	64QAM	12	13	18.97	19.03	19.08			
5	64QAM	25	0	19.19	19.21	19.06	20	3	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.30	22.27	22.17			
3	QPSK	1	8	21.96	22.10	22.02			
3	QPSK	1	14	21.86	21.96	22.04			
3	QPSK	8	0	21.19	21.28	21.18			
3	QPSK	8	4	21.16	21.23	21.17	22	1	
3	QPSK	8	7	21.09	21.14	21.09			
3	QPSK	15	0	21.08	21.14	20.95			
3	16QAM	1	0	21.43	21.58	21.53			
3	16QAM	1	8	21.32	21.46	21.39	22	1	
3	16QAM	1	14	21.13	21.38	21.21			
3	16QAM	8	0	20.23	20.12	20.03			
3	16QAM	8	4	20.09	20.12	20.06			
3	16QAM	8	7	19.90	20.04	19.97	21	2	
3	16QAM	15	0	20.02	20.23	20.02			
3	64QAM	1	0	20.44	20.44	20.40			
3	64QAM	1	8	20.20	20.26	20.12			
3	64QAM	1	14	20.15	20.18	20.13	21	2	
3	64QAM	8	0	19.17	19.28	19.21			
3	64QAM	8	4	19.15	19.19	19.12			
3	64QAM	8	7	19.08	19.15	19.02			
3	64QAM	15	0	19.08	19.23	18.97	20	3	
Channel				131979	132322	132685			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.30	22.26	22.15			
1.4	QPSK	1	3	22.06	22.19	22.14			
1.4	QPSK	1	5	21.92	22.00	21.93			
1.4	QPSK	3	0	22.16	22.19	22.05			
1.4	QPSK	3	1	21.97	22.09	22.02	22	1	
1.4	QPSK	3	3	21.84	21.93	21.87			
1.4	QPSK	6	0	21.10	21.10	21.06			
1.4	16QAM	1	0	21.47	21.62	21.44			
1.4	16QAM	1	3	21.36	21.46	21.30	22	1	
1.4	16QAM	1	5	21.22	21.30	21.19			
1.4	16QAM	3	0	21.38	21.51	21.37			
1.4	16QAM	3	1	21.29	21.40	21.20			
1.4	16QAM	3	3	21.18	21.18	21.06	21	2	
1.4	16QAM	6	0	20.08	20.22	19.99			
1.4	64QAM	1	0	20.48	20.53	20.37			
1.4	64QAM	1	3	20.25	20.37	20.28			
1.4	64QAM	1	5	20.13	20.22	20.22	21	2	
1.4	64QAM	3	0	20.45	20.45	20.27			
1.4	64QAM	3	1	20.16	20.28	20.21			
1.4	64QAM	3	3	20.21	20.34	20.21			
1.4	64QAM	6	0	19.12	19.12	19.05	20	3	

Band 38_Ant 4													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				37850	38000	38150							
Frequency (MHz)				2580	2595	2610							
20	QPSK	1	0	24.44	24.47	24.48	25	0					
20	QPSK	1	49	24.37	24.44	24.33							
20	QPSK	1	99	24.33	24.38	24.32							
20	QPSK	50	0	23.43	23.50	23.45							
20	QPSK	50	24	23.34	23.44	23.40	24	1					
20	QPSK	50	50	23.40	23.48	23.37							
20	QPSK	100	0	23.31	23.40	23.26							
20	16QAM	1	0	23.42	23.45	23.36							
20	16QAM	1	49	23.37	23.45	23.30	24	1					
20	16QAM	1	99	23.44	23.53	23.45							
20	16QAM	50	0	22.29	22.37	22.35							
20	16QAM	50	24	22.46	22.47	22.40							
20	16QAM	50	50	22.37	22.44	22.33	23	2					
20	16QAM	100	0	22.34	22.48	22.46							
20	64QAM	1	0	21.85	21.96	21.95							
20	64QAM	1	49	22.56	22.70	22.55							
20	64QAM	1	99	22.14	22.22	22.20	23	2					
20	64QAM	50	0	21.38	21.42	21.38							
20	64QAM	50	24	21.43	21.45	21.31							
20	64QAM	50	50	21.34	21.44	21.42							
20	64QAM	100	0	21.33	21.43	21.41	Tune-up limit (dBm) MPR (dB)						
Channel				37850	38000	38175							
Frequency (MHz)				2577.5	2595	2612.5							
15	QPSK	1	0	24.40	24.30	24.43	25	0					
15	QPSK	1	37	24.28	24.32	24.18							
15	QPSK	1	74	24.27	24.29	24.26							
15	QPSK	36	0	23.42	23.40	23.35							
15	QPSK	36	39	23.30	23.30	23.39	24	1					
15	QPSK	36	39	23.30	23.33	23.32							
15	QPSK	75	0	23.26	23.37	23.13							
15	16QAM	1	0	23.31	23.37	23.26							
15	16QAM	1	37	23.31	23.35	23.29	24	1					
15	16QAM	1	74	23.39	23.41	23.38							
15	16QAM	36	0	22.14	22.22	22.26							
15	16QAM	36	20	22.40	22.41	22.28							
15	16QAM	36	39	22.29	22.31	22.23	23	2					
15	16QAM	75	0	22.26	22.40	22.39							
15	64QAM	1	0	21.84	21.86	21.88							
15	64QAM	1	37	22.48	22.55	22.45							
15	64QAM	1	74	22.03	22.14	22.13	23	2					
15	64QAM	36	0	21.29	21.36	21.29							
15	64QAM	36	20	21.31	21.40	21.17							
15	64QAM	36	39	21.23	21.30	21.35							
15	64QAM	75	0	21.25	21.42	21.39	Tune-up limit (dBm) MPR (dB)						
Channel				37775	38000	38200							
Frequency (MHz)				2575	2595	2615							
10	QPSK	1	0	24.43	24.32	24.31	25	0					
10	QPSK	1	25	24.33	24.37	24.30							
10	QPSK	1	49	24.18	24.25	24.17							
10	QPSK	25	0	23.32	23.37	23.38							
10	QPSK	25	12	23.33	23.40	23.28	24	1					
10	QPSK	25	25	23.35	23.42	23.27							
10	QPSK	50	0	23.22	23.36	23.23							
10	16QAM	1	0	23.38	23.33	23.26							
10	16QAM	1	25	23.22	23.37	23.29	24	1					
10	16QAM	1	49	23.42	23.52	23.37							
10	16QAM	25	0	22.22	22.24	22.20							
10	16QAM	25	12	22.32	22.41	22.37							
10	16QAM	25	25	22.28	22.35	22.23	23	2					
10	16QAM	50	0	22.23	22.44	22.45							
10	64QAM	1	0	21.62	21.68	21.50							
10	64QAM	1	25	22.50	22.59	22.43							
10	64QAM	1	49	21.99	22.19	22.10	23	2					
10	64QAM	25	0	21.33	21.38	21.29							
10	64QAM	25	12	21.32	21.38	21.29							
10	64QAM	25	25	21.20	21.37	21.36							
10	64QAM	50	0	21.19	21.32	21.38	Tune-up limit (dBm) MPR (dB)						
Channel				37775	38000	38225							
Frequency (MHz)				2572.5	2595	2617.5							
5	QPSK	1	0	24.20	24.35	24.45	25	0					
5	QPSK	1	12	24.28	24.36	24.25							
5	QPSK	1	24	24.32	24.28	24.28							
5	QPSK	12	0	23.42	23.44	23.33							
5	QPSK	12	7	23.32	23.35	23.30	24	1					
5	QPSK	12	13	23.38	23.46	23.25							
5	QPSK	25	0	23.16	23.27	23.17							
5	16QAM	1	0	23.30	23.41	23.35							
5	16QAM	1	12	23.28	23.30	23.26	24	1					
5	16QAM	1	24	23.40	23.49	23.41							
5	16QAM	12	0	22.24	22.34	22.29							
5	16QAM	12	7	22.32	22.40	22.33							
5	16QAM	12	13	22.35	22.39	22.32	23	2					
5	16QAM	25	0	22.21	22.34	22.38							
5	64QAM	1	0	21.72	21.83	21.81							
5	64QAM	1	12	22.42	22.59	22.48							
5	64QAM	1	24	22.07	22.19	22.07	23	2					
5	64QAM	12	0	21.32	21.31	21.24							
5	64QAM	12	7	21.37	21.37	21.27							
5	64QAM	12	13	21.23	21.31	21.27							
5	64QAM	25	0	21.22	21.38	21.39	Tune-up limit (dBm) MPR (dB)						

Band 38_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	17.05	17.09	17.00	18	0		
20	QPSK	1	49	17.51	17.61	17.57				
20	QPSK	1	99	17.53	17.57	17.48				
20	QPSK	36	0	17.39	17.48	17.40				
20	QPSK	50	0	17.60	17.68	17.55	18	0		
20	QPSK	50	24	17.52	17.66	17.52				
20	QPSK	50	50	17.57	17.60	17.53				
20	QPSK	100	0	17.56	17.65	17.46				
20	16QAM	1	0	17.59	17.68	17.46	18	0		
20	16QAM	1	49	17.52	17.61	17.55				
20	16QAM	1	99	17.56	17.66	17.51				
20	16QAM	50	0	17.50	17.64	17.52				
20	16QAM	50	24	17.53	17.65	17.52	18	0		
20	16QAM	50	50	17.56	17.61	17.54				
20	64QAM	1	0	17.53	17.60	17.51				
20	64QAM	1	49	17.58	17.57	17.55				
20	64QAM	1	99	17.51	17.62	17.54	18	0		
20	64QAM	50	0	17.51	17.57	17.55				
20	64QAM	50	24	17.59	17.68	17.51				
20	64QAM	50	50	17.61	17.68	17.51	18	0		
20	64QAM	100	0	17.58	17.66	17.45				
20	64QAM	100	0	17.63	17.68	17.54				
Channel				38000	38000	38000				
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	17.54	17.68	17.51	18	0		
15	QPSK	1	37	17.46	17.56	17.53				
15	QPSK	1	74	17.52	17.49	17.37				
15	QPSK	36	0	17.46	17.63	17.41				
15	QPSK	36	36	17.39	17.58	17.47	18	0		
15	QPSK	75	0	17.47	17.52	17.38				
15	16QAM	1	0	17.58	17.55	17.43				
15	16QAM	1	37	17.37	17.47	17.43				
15	16QAM	1	74	17.51	17.52	17.49	18	0		
15	16QAM	36	0	17.43	17.56	17.45				
15	16QAM	36	20	17.49	17.54	17.50				
15	16QAM	36	36	17.52	17.50	17.45				
15	16QAM	75	0	17.56	17.53	17.45	18	0		
15	64QAM	1	0	17.40	17.59	17.38				
15	64QAM	1	37	17.48	17.42	17.49				
15	64QAM	1	74	17.41	17.53	17.52				
15	64QAM	36	0	17.52	17.52	17.52	18	0		
15	64QAM	36	20	17.53	17.87	17.44				
15	64QAM	36	39	17.50	17.54	17.36				
15	64QAM	75	0	17.50	17.59	17.24				
Channel				2575	2595	2615				
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	17.57	17.56	17.50	18	0		
10	QPSK	1	25	17.46	17.59	17.42				
10	QPSK	1	49	17.43	17.55	17.47				
10	QPSK	25	0	17.46	17.42	17.46				
10	QPSK	25	12	17.42	17.65	17.47	18	0		
10	QPSK	25	25	17.56	17.46	17.49				
10	QPSK	50	0	17.46	17.54	17.37				
10	16QAM	1	0	17.58	17.65	17.38				
10	16QAM	1	25	17.48	17.53	17.54	18	0		
10	16QAM	1	49	17.53	17.60	17.43				
10	16QAM	25	0	17.48	17.56	17.48				
10	16QAM	25	12	17.51	17.52	17.49				
10	16QAM	25	25	17.46	17.53	17.50	18	0		
10	16QAM	50	0	17.62	17.53	17.52				
10	64QAM	1	0	17.41	17.47	17.41				
10	64QAM	1	25	17.48	17.53	17.43				
10	64QAM	1	49	17.39	17.58	17.53	18	0		
10	64QAM	25	0	17.48	17.44	17.44				
10	64QAM	25	12	17.55	17.53	17.50				
10	64QAM	25	25	17.52	17.59	17.37				
10	64QAM	50	0	17.52	17.56	17.32	18	0		
10	64QAM	50	12	17.53	17.52	17.32				
10	64QAM	50	25	17.52	17.52	17.32				
10	64QAM	50	49	17.52	17.52	17.32				
Channel				3717.5	38000	39225				
Frequency (MHz)				2597.5	2595	2617.5				
5	QPSK	1	0	17.64	17.59	17.59	18	0		
5	QPSK	1	12	17.42	17.54	17.47				
5	QPSK	1	24	17.58	17.51	17.36				
5	QPSK	12	0	17.50	17.63	17.44				
5	QPSK	12	7	17.39	17.63	17.47	18	0		
5	QPSK	12	13	17.56	17.49	17.42				
5	QPSK	25	0	17.63	17.62	17.37				
5	16QAM	1	0	17.50	17.52	17.36				
5	16QAM	1	12	17.46	17.47	17.47	18	0		
5	16QAM	1	24	17.52	17.55	17.48				
5	16QAM	12	0	17.43	17.52	17.50				
5	16QAM	12	12	17.42	17.57	17.39				
5	16QAM	12	13	17.46	17.47	17.49	18	0		
5	16QAM	25	0	17.57	17.64	17.47				
5	64QAM	1	0	17.38	17.53	17.44				
5	64QAM	1	12	17.51	17.47	17.47				
5	64QAM	1	24	17.50	17.66	17.39	18	0		
5	64QAM	12	0	17.59	17.50	17.42				
5	64QAM	12	7	17.48	17.57	17.42				
5	64QAM	12	13	17.50	17.51	17.39				
5	64QAM	0	0	17.43	17.61	17.36	18	0		
5	64QAM	0	0	17.43	17.61	17.36				
5	64QAM	0	0	17.43	17.61	17.36				
5	64QAM	0	0	17.43	17.61	17.36				

Band 41_Ant 4																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Low Middle Ch./Freq.	Power Low Middle Ch./Freq.	Power High Middle Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPR (dB)						
Channel				39750	40148	40620	41055	41480								
Frequency (MHz)				2506	2549.5	2593	2636.5	2680								
20	QPSK	1	0	23.40	23.48	23.50	23.44	23.48	23.8	0						
20	QPSK	1	49	23.39	23.37	23.44	23.34	23.40								
20	QPSK	1	99	23.32	23.30	23.40	23.32	23.32								
20	QPSK	50	0	22.36	22.36	22.36	22.36	22.36								
20	QPSK	50	24	22.36	22.41	22.50	22.40	22.49	22.8	1						
20	QPSK	50	50	22.41	22.48	22.52	22.50	22.37								
20	QPSK	100	0	22.38	22.48	22.51	22.45	22.50								
20	QPSK	1	0	22.51	22.44	22.53	22.41	22.41								
20	16QAM	1	49	22.45	22.44	22.55	22.48	22.45	21.8	2						
20	16QAM	1	99	22.57	22.44	22.59	22.49	22.45								
20	16QAM	50	0	21.42	21.40	21.34	21.38	21.34								
20	16QAM	50	24	21.38	21.46	21.50	21.43	21.48								
20	16QAM	50	50	21.36	21.47	21.52	21.49	21.47	20.8	3						
20	16QAM	100	0	21.43	21.41	21.48	21.39	21.37								
20	64QAM	1	0	21.12	21.17	21.24	21.10	21.19								
20	64QAM	1	49	20.94	20.89	21.00	20.88	20.93								
20	64QAM	1	99	21.27	21.26	21.33	21.29	21.19	21.8	2						
20	64QAM	50	0	20.33	20.43	20.48	20.37	20.45								
20	64QAM	50	24	20.43	20.39	20.48	20.39	20.37								
20	64QAM	50	50	20.43	20.42	20.51	20.37	20.40								
20	64QAM	100	0	20.12	20.03	20.18	20.16	20.06	20.8	3						
Channel				39725	40173	40620	41055	41480								
Frequency (MHz)				2601.5	2646.3	2693	2737.8	2783.5								
15	QPSK	1	0	23.31	23.43	23.35	23.41	23.33	23.8	0						
15	QPSK	1	37	23.29	23.25	23.29	23.27	23.33								
15	QPSK	1	74	23.22	23.15	23.38	23.30	23.20								
15	QPSK	36	0	22.37	22.36	22.54	22.48	22.40								
15	QPSK	36	20	22.23	22.29	22.49	22.31	22.40	22.8	1						
15	QPSK	36	39	22.40	22.34	22.46	22.45	22.36								
15	QPSK	75	0	22.33	22.37	22.40	22.40	22.37								
15	16QAM	1	0	22.45	22.42	22.40	22.34	22.32								
15	16QAM	1	37	22.43	22.51	22.45	22.44	22.39	22.8	1						
15	16QAM	1	74	22.45	22.38	22.47	22.36	22.30								
15	16QAM	36	0	21.36	21.38	21.38	21.34	21.29								
15	16QAM	36	20	21.28	21.31	21.47	21.40	21.35								
15	16QAM	36	39	21.32	21.39	21.49	21.46	21.43	21.8	2						
15	16QAM	75	0	21.37	21.39	21.40	21.45	21.31								
15	64QAM	1	0	21.06	21.10	21.09	20.96	21.07								
15	64QAM	1	37	20.80	20.86	20.99	20.81	20.89								
15	64QAM	1	74	21.34	21.11	21.22	21.28	21.05	20.8	3						
15	64QAM	36	0	20.21	20.32	20.37	20.23	20.37								
15	64QAM	36	20	20.34	20.37	20.42	20.29	20.36								
15	64QAM	36	39	20.42	20.41	20.41	20.25	20.37								
15	64QAM	75	0	20.00	19.92	20.10	20.10	20.01	20.8	3						
Channel				39700	40160	40620	41080	41540								
Frequency (MHz)				2501	2547	2593	2639	2685								
10	QPSK	1	0	23.37	23.44	23.40	23.34	23.33	23.8	0						
10	QPSK	1	25	23.36	23.35	23.37	23.33	23.32								
10	QPSK	1	49	23.20	23.18	23.28	23.22	23.28								
10	QPSK	25	0	22.35	22.48	22.52	22.42	22.38								
10	QPSK	25	12	22.35	22.30	22.38	22.28	22.39	22.8	1						
10	QPSK	25	25	22.33	22.39	22.37	22.35	22.31								
10	QPSK	50	0	22.21	22.40	22.44	22.34	22.40								
10	16QAM	1	0	22.46	22.29	22.40	22.27	22.30								
10	16QAM	1	25	22.41	22.39	22.53	22.45	22.38	22.8	1						
10	16QAM	1	49	22.43	22.38	22.53	22.38	22.44								
10	16QAM	25	0	21.28	21.37	21.45	21.35	21.33								
10	16QAM	25	12	21.27	21.40	21.42	21.37	21.33								
10	16QAM	25	25	21.24	21.39	21.42	21.39	21.33	21.8	2						
10	16QAM	50	0	21.28	21.27	21.45	21.38	21.26								
10	64QAM	1	0	21.06	21.09	21.17	21.04	21.11								
10	64QAM	1	25	20.93	20.81	20.92	20.80	20.85								
10	64QAM	1	49	21.14	21.22	21.30	21.15	21.16	20.8	3						
10	64QAM	25	0	20.28	20.31	20.38	20.31	20.38								
10	64QAM	25	12	20.42	20.25	20.33	20.31	20.24								
10	64QAM	25	25	20.36	20.28	20.42	20.32	20.39								
10	64QAM	50	0	20.04	20.00	20.13	20.05	19.92	20.8	3						
Channel				39675	40148	40620	41093	41565								
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5								
5	QPSK	1	0	23.34	23.42	23.40	23.29	23.45	23.8	0						
5	QPSK	1	12	23.26	23.24	23.31	23.26	23.26								
5	QPSK	1	24	23.23	23.21	23.34	23.30	23.26								
5	QPSK	12	0	22.40	22.37	22.49	22.41	22.48								
5	QPSK	12	7	22.34	22.33	22.45	22.29	22.42	22.8	1						
5	QPSK	12	13	22.28	22.45	22.39	22.47	22.38								
5	QPSK	25	0	22.32	22.43	22.45	22.42	22.36								
5	16QAM	1	0	22.36	22.39	22.38	22.39	22.33								
5	16QAM	1	12	22.35	22.38	22.40	22.38	22.41	22.8	1						
5	16QAM	1	24	22.44	22.31	22.45	22.47	22.42								
5	16QAM	12	0	21.35	21.29	21.36	21.30	21.21								
5	16QAM	12	7	21.28	21.43	21.45	21.38	21.34								
5	16QAM	12	13	21.36	21.32	21.37	21.42	21.39	21.8	2						
5	16QAM	25	0	21.29	21.28	21.47	21.38	21.23								
5	64QAM	1	0	21.04	21.09	21.14	20.97	21.07								
5	64QAM	1	12	20.88	20.81	20.87	20.85	20.90								
5	64QAM	1	24	21.12	21.11	21.32	21.26	21.12	20.8	3						
5	64QAM	12	0	20.30	20.28	20.43	20.35	2								

Band 41 (HPUE)_Ant 3																	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)							
Channel																	
Frequency (MHz)				39750	40148	40620	41093	41565	41480								
20	QPSK	1	0	2506	2545.5	2593	2638.5	2680	20.8	0							
20	QPSK	1	49	20.22	20.36	20.60	20.31	20.45									
20	QPSK	1	99	20.33	20.31	20.50	20.32	20.40									
20	QPSK	50	0	20.41	20.39	20.45	20.30	20.46									
20	QPSK	50	24	20.24	20.15	20.31	20.21	20.44									
20	QPSK	50	50	20.26	20.25	20.34	20.10	20.32	20.8	0							
20	QPSK	100	0	20.25	20.29	20.53	20.25	20.50									
20	QPSK	1	0	20.37	20.39	20.45	20.38	20.38									
20	16QAM	1	49	20.27	20.23	20.53	20.27	20.45									
20	16QAM	1	99	20.34	20.25	20.50	20.28	20.44									
20	16QAM	50	0	20.28	20.35	20.42	20.35	20.31	20.8	0							
20	16QAM	50	24	20.27	20.31	20.59	20.32	20.46									
20	16QAM	50	50	20.25	20.33	20.43	20.29	20.36									
20	16QAM	100	0	20.27	20.34	20.37	20.23	20.40									
20	64QAM	1	0	20.21	20.21	20.43	20.23	20.42									
20	64QAM	1	49	20.26	20.30	20.44	20.36	20.43	20.8	0							
20	64QAM	1	99	20.41	20.39	20.46	20.35	20.38									
20	64QAM	50	0	20.36	20.34	20.42	20.23	20.42									
20	64QAM	50	24	20.23	20.38	20.53	20.25	20.54									
20	64QAM	50	50	20.16	20.30	20.37	20.35	20.50									
20	64QAM	100	0	20.38	20.41	20.51	20.32	20.40	20.8	0							
Channel																	
Frequency (MHz)				39725	40173	40620	41068	41515									
				2601.5	2548.5	2593	2637.8	2682.5	Time-up limit (dBm)	MPR (dB)							
15	QPSK	1	0	20.30	20.29	20.46	20.31	20.43	20.8	0							
15	QPSK	1	37	20.09	20.30	20.40	20.24	20.33									
15	QPSK	1	74	20.25	20.20	20.35	20.28	20.29									
15	QPSK	36	0	20.40	20.26	20.50	20.27	20.43									
15	QPSK	36	20	20.11	20.13	20.24	20.08	20.30									
15	QPSK	36	39	20.18	20.11	20.33	20.07	20.26	20.8	0							
15	QPSK	75	0	20.12	20.28	20.46	20.22	20.47									
15	16QAM	1	0	20.32	20.24	20.37	20.35	20.35									
15	16QAM	1	37	20.24	20.08	20.45	20.19	20.41									
15	16QAM	1	74	20.28	20.14	20.42	20.16	20.40									
15	16QAM	36	0	20.23	20.30	20.36	20.23	20.17	20.8	0							
15	16QAM	36	20	20.28	20.24	20.50	20.28	20.31									
15	16QAM	36	39	20.14	20.20	20.29	20.26	20.24									
15	16QAM	75	0	20.14	20.23	20.36	20.19	20.33									
15	64QAM	1	0	20.20	20.07	20.41	20.13	20.28									
15	64QAM	1	37	20.21	20.29	20.33	20.31	20.28	20.8	0							
15	64QAM	1	74	20.28	20.34	20.39	20.20	20.27									
15	64QAM	36	0	20.02	20.19	20.46	20.07	20.25									
15	64QAM	36	20	20.14	20.27	20.40	20.22	20.41									
15	64QAM	36	39	20.04	20.16	20.29	20.32	20.48									
15	64QAM	75	0	20.21	20.39	20.41	20.31	20.30	20.8	0							
Channel																	
Frequency (MHz)				39700	40160	40620	41080	41540	Time-up limit (dBm)	MPR (dB)							
				2501	2547	2593	2638	2685									
10	QPSK	1	0	20.26	20.38	20.59	20.22	20.49	20.8	0							
10	QPSK	1	25	20.09	20.28	20.49	20.30	20.29									
10	QPSK	1	49	20.22	20.28	20.40	20.31	20.29									
10	QPSK	25	0	20.33	20.14	20.47	20.20	20.39									
10	QPSK	25	12	20.11	20.01	20.17	20.11	20.38									
10	QPSK	25	25	20.20	20.17	20.31	20.07	20.25	20.8	0							
10	QPSK	50	0	20.10	20.15	20.45	20.15	20.41									
10	16QAM	1	0	20.32	20.35	20.36	20.25	20.24									
10	16QAM	1	25	20.17	20.19	20.39	20.18	20.42									
10	16QAM	1	49	20.31	20.15	20.47	20.13	20.31									
10	16QAM	25	0	20.27	20.34	20.33	20.34	20.17	20.8	0							
10	16QAM	25	12	20.24	20.19	20.52	20.19	20.43									
10	16QAM	25	25	20.15	20.30	20.40	20.24	20.31									
10	16QAM	50	0	20.20	20.32	20.33	20.21	20.34									
10	64QAM	1	0	20.20	20.10	20.26	20.16	20.39									
10	64QAM	1	25	20.18	20.15	20.38	20.31	20.28	20.8	0							
10	64QAM	1	49	20.32	20.38	20.31	20.31	20.27									
10	64QAM	25	0	20.31	20.27	20.51	20.22	20.32									
10	64QAM	25	12	20.19	20.32	20.42	20.13	20.44									
10	64QAM	25	25	20.01	20.25	20.24	20.24	20.44									
10	64QAM	50	0	20.14	20.28	20.41	20.22	20.29	20.8	0							
Channel																	
Frequency (MHz)				39675	40148	40620	41093	41565	Time-up limit (dBm)	MPR (dB)							
				2498.5	2545.8	2593	2640.30	2687.5									
5	QPSK	1	0	20.29	20.24	20.47	20.34	20.51	20.8	0							
5	QPSK	1	12	20.12	20.33	20.53	20.21	20.42									
5	QPSK	1	24	20.27	20.28	20.44	20.18	20.26									
5	QPSK	12	0	20.36	20.23	20.42	20.27	20.31									
5	QPSK	12	7	20.21	20.13	20.16	20.06	20.36									
5	QPSK	12	13	20.25	20.12	20.27	19.95	20.23	20.8	0							
5	QPSK	25	0	20.16	20.25	20.48	20.11	20.43									
5	16QAM	1	0	20.34	20.34	20.42	20.24	20.25									
5	16QAM	1	12	20.12	20.09	20.48	20.19	20.39									
5	16QAM	1	24	20.28	20.15	20.38	20.14	20.38									
5	16QAM	12	0	20.22	20.34	20.27	20.25	20.22	20.8	0							
5	16QAM	12	7	20.19	20.25	20.52	20.23	20.41									
5	16QAM	12	13	20.23	20.32	20.29	20.14	20.28									
5	16QAM	25	0	20.13	20.25	20.22	20.20	20.27									
5	64QAM	1	0	20.14	20.10	20.32	20.06	20.38									
5	64QAM	1	12	20.17	20.28	20.30	20.24	20.36									

Reduced Power Mode for EC113

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		28.52	28.90	28.83	29.80	19.52	19.90	19.83	20.80
GPRS 1 Tx slot		28.56	28.97	28.89	29.80	19.56	19.97	19.89	20.80
GPRS 2 Tx slots		25.66	26.03	25.95	26.80	19.66	20.03	19.95	20.80
GPRS 3 Tx slots		23.84	24.24	24.12	24.80	19.58	19.98	19.86	20.54
GPRS 4 Tx slots		22.58	22.97	22.82	23.80	19.58	19.97	19.82	20.80
EDGE(GMSK 1 Tx slot)		28.42	28.82	28.84	29.80	19.42	19.82	19.84	20.80
EDGE(GMSK 2 Tx slot)		25.55	26.02	25.89	26.80	19.55	20.02	19.89	20.80
EDGE(GMSK 3 Tx slot)		23.69	24.13	23.98	24.80	19.43	19.87	19.72	20.80
EDGE(GMSK 4 Tx slot)		22.57	22.86	22.69	23.80	19.57	19.86	19.69	20.54
EDGE 1 Tx slot		26.05	26.41	26.60	27.80	17.05	17.41	17.60	18.80
EDGE 2 Tx slots		23.87	23.94	24.08	25.80	17.87	17.94	18.08	19.80
EDGE 3 Tx slots		22.01	22.23	22.31	23.30	17.75	17.97	18.05	19.04
EDGE 4 Tx slots		21.26	21.54	21.63	22.80	18.26	18.54	18.63	19.80

GSM1900_Ant 4	Burst Average Power (dBm)				Tune-up	Frame-Average Power (dBm)				Tune-up
TX Channel	512	661	810		Limit (dBm)	512	661	810	Limit (dBm)	
Frequency (MHz)	1850.2	1880	1909.8			1850.2	1880	1909.8		
GSM 1 Tx slot	28.16	28.45	28.36		29.30	19.16	19.45	19.36	20.30	
GPRS 1 Tx slot	28.24	28.52	28.44		29.30	19.24	19.52	19.44	20.30	
GPRS 2 Tx slots	25.35	25.63	25.54		26.30	19.35	19.63	19.54	20.30	
GPRS 3 Tx slots	23.60	23.85	23.77		24.50	19.34	19.59	19.51	20.24	
GPRS 4 Tx slots	22.36	22.63	22.52		23.30	19.36	19.63	19.52	20.30	
EDGE(GMSK 1 Tx slot)	28.23	28.45	28.33		29.30	19.23	19.45	19.33	20.30	
EDGE(GMSK 2 Tx slot)	25.31	25.61	25.47		26.30	19.31	19.61	19.47	20.30	
EDGE(GMSK 3 Tx slot)	23.48	23.84	23.63		24.50	19.22	19.58	19.37	20.24	
EDGE(GMSK 4 Tx slot)	22.33	22.56	22.49		23.30	19.33	19.56	19.49	20.30	
EDGE 1 Tx slot	25.61	25.75	25.71		26.80	16.61	16.75	16.71	17.80	
EDGE 2 Tx slots	22.45	22.56	22.47		23.80	16.45	16.56	16.47	17.80	
EDGE 3 Tx slots	20.95	20.97	20.85		22.30	16.69	16.71	16.59	18.04	
EDGE 4 Tx slots	20.06	20.10	19.99		21.80	17.06	17.10	16.99	18.80	

Band	WCDMA II_Ant 4				Tune-up Limit (dBm)	WCDMA II_Ant 3				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		9262	9400	9538		
Rx Channel		9662	9800	9938		9662	9800	9938		
Frequency (MHz)		1852.4	1880	1907.6		1852.4	1880	1907.6		
3GPP Rel 99	AMR 12.2Kbps	18.36	18.42	18.31	19.30	19.67	19.77	19.73	20.30	
3GPP Rel 99	RMIC 12.2Kbps	18.49	18.53	18.41	19.30	19.75	19.83	19.77	20.30	
3GPP Rel 6	HSDPA Subtest-1	18.47	18.47	18.42	19.30	19.74	19.77	19.79	20.30	
3GPP Rel 6	HSDPA Subtest-2	18.48	18.45	18.51	19.30	19.73	19.78	19.82	20.30	
3GPP Rel 6	HSDPA Subtest-3	18.44	18.50	18.48	19.30	19.80	19.79	19.78	20.30	
3GPP Rel 6	HSDPA Subtest-4	18.51	18.44	18.50	19.30	19.76	19.82	19.74	20.30	
3GPP Rel 6	DC-HSDPA Subtest-1	18.46	18.32	18.30	19.30	19.68	19.76	19.67	20.30	
3GPP Rel 6	DC-HSDPA Subtest-2	18.36	18.31	18.48	19.30	19.61	19.67	19.69	20.30	
3GPP Rel 6	DC-HSDPA Subtest-3	18.44	18.42	18.44	19.30	19.77	19.75	19.79	20.30	
3GPP Rel 6	DC-HSDPA Subtest-4	18.40	18.46	18.44	19.30	19.70	19.69	19.74	20.30	
3GPP Rel 6	HSUPA Subtest-1	18.34	18.49	18.28	19.30	19.67	19.82	19.68	20.30	
3GPP Rel 6	HSUPA Subtest-2	18.45	18.49	18.38	19.30	19.64	19.82	19.69	20.30	
3GPP Rel 6	HSUPA Subtest-3	18.40	18.50	18.28	19.30	19.71	19.75	19.63	20.30	
3GPP Rel 6	HSUPA Subtest-4	18.35	18.45	18.37	19.30	19.62	19.80	19.69	20.30	
3GPP Rel 6	HSUPA Subtest-5	18.41	18.48	18.36	19.30	19.67	19.75	19.62	20.30	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.47	18.42	18.40	19.30	19.66	19.71	19.74	20.30	

Band	WCDMA V_Ant 1					WCDMA V_Ant 0				
	TX Channel	4132	4182	4233	Tune-up Limit (dBm)	4132	4182	4233	Tune-up Limit (dBm)	
	Rx Channel	4357	4407	4458		4357	4407	4458		
	Frequency (MHz)	826.4	836.4	846.6		826.4	836.4	846.6		
3GPP Rel 99	AMR 12.2Kbps	19.13	19.15	19.05	20.30	20.33	20.40	20.20	21.30	
3GPP Rel 99	RM-C 12.2Kbps	19.25	19.30	19.20	20.30	20.35	20.41	20.33	21.30	
3GPP Rel 6	HSDPA Subtest-1	19.21	19.15	19.05	20.30	20.34	20.30	20.30	21.30	
3GPP Rel 6	HSDPA Subtest-2	19.11	19.28	19.06	20.30	20.26	20.31	20.26	21.30	
3GPP Rel 6	HSDPA Subtest-3	19.22	19.24	19.14	20.30	20.33	20.27	20.30	21.30	
3GPP Rel 6	HSDPA Subtest-4	19.12	19.24	19.07	20.30	20.29	20.32	20.25	21.30	
3GPP Rel 6	DC-HSDPA Subtest-1	19.22	19.19	19.08	20.30	20.24	20.26	20.15	21.30	
3GPP Rel 6	DC-HSDPA Subtest-2	19.16	19.27	19.17	20.30	20.19	20.18	20.15	21.30	
3GPP Rel 6	DC-HSDPA Subtest-3	19.16	19.23	19.16	20.30	20.20	20.13	20.29	21.30	
3GPP Rel 6	DC-HSDPA Subtest-4	19.24	19.26	19.19	20.30	20.28	20.22	20.14	21.30	
3GPP Rel 6	HSUPA Subtest-1	19.13	19.25	19.05	20.30	20.05	20.08	20.03	20.80	
3GPP Rel 6	HSUPA Subtest-2	19.13	19.25	19.08	20.30	20.04	20.06	20.06	20.80	
3GPP Rel 6	HSUPA Subtest-3	19.24	19.19	19.06	20.30	20.26	20.31	20.29	21.30	
3GPP Rel 6	HSUPA Subtest-4	19.18	19.28	19.10	20.30	19.61	19.63	19.57	20.80	
3GPP Rel 6	HSUPA Subtest-5	19.15	19.26	19.12	20.30	20.30	20.30	20.30	21.30	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.21	19.16	19.19	20.30	20.02	19.91	19.95	21.30	

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	TX Channel	128	189		251	128	189		251
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		28.92	29.05	28.95	30.30	19.92	20.05	19.95	21.30
GPRS 1 Tx slot		28.95	29.20	29.05	30.30	19.95	20.20	20.05	21.30
GPRS 2 Tx slots		25.97	26.20	26.02	27.30	19.97	20.20	20.02	21.30
GPRS 3 Tx slots		24.19	24.45	24.26	25.30	19.93	20.19	20.00	21.64
GPRS 4 Tx slots		22.92	23.15	22.94	24.30	19.92	20.15	19.94	21.30
EDGE(GMSK 1 Tx slot)		28.94	29.19	28.92	30.30	19.94	20.19	19.92	21.30
EDGE(GMSK 2 Tx slot)		25.85	26.06	25.93	27.30	19.85	20.06	19.93	21.30
EDGE(GMSK 3 Tx slot)		24.16	24.42	24.18	25.30	19.90	20.16	19.92	21.64
EDGE(GMSK 4 Tx slot)		22.89	23.03	22.88	24.30	19.89	20.03	19.89	21.30
EDGE 1 Tx slot		24.98	25.01	25.10	26.80	15.98	16.01	16.10	17.80
EDGE 2 Tx slots		22.80	22.80	22.95	24.80	16.80	16.80	16.95	18.80
EDGE 3 Tx slots		20.97	20.89	20.94	22.30	16.71	16.63	16.68	18.04
EDGE 4 Tx slots		20.14	20.20	20.23	21.80	17.14	17.20	17.23	18.80

GSM1900_Ant 3	Burst Average Power (dBm)				Tune-up Limit	Frame-Average Power (dBm)				Tune-up Limit
TX Channel	512	661	810			512	661	810		
Frequency (MHz)	1850.2	1880	1908	1909.8	30.80	1850.2	1880	1908	1909.8	
GSM 1 Tx slot	29.47	29.78	29.68		30.80	20.47	20.78	20.68	21.80	
GPRS 1 Tx slot	29.46	29.73	29.67		30.80	20.46	20.73	20.67	21.80	
GPRS 2 Tx slots	27.11	27.35	27.29	28.80	21.11	21.35	21.29		22.50	
GPRS 3 Tx slots	25.34	25.56	25.52	26.80	21.08	21.30	21.26		22.50	
GPRS 4 Tx slots	24.01	24.26	24.18	25.30	21.01	21.26	21.18		22.30	
EDGE(GMSK 1 Tx slot)	29.44	29.58	29.59	30.80	20.44	20.58	20.59	21.80		
EDGE(GMSK 2 Tx slot)	27.04	27.28	27.18	28.80	21.04	21.28	21.18		22.50	
EDGE(GMSK 3 Tx slot)	25.23	25.54	25.48	26.80	20.97	21.28	21.22		22.50	
EDGE(GMSK 4 Tx slot)	23.98	24.12	24.10	25.30	20.88	21.12	21.10		22.50	
EDGE 1 Tx slot	25.60	25.82	25.65	27.30	16.60	16.82	16.65	18.30		
EDGE 2 Tx slots	22.80	22.91	22.80	24.80	16.80	16.91	16.80	18.80		
EDGE 3 Tx slots	20.98	21.22	20.97	22.80	16.70	16.96	16.71	18.54		
EDGE 4 Tx slots	20.35	20.39	20.30	22.30	17.35	17.39	17.30	19.30		

复用EC18

Band	WCDMA IV_Ant 4				Tune-up Limit (dBm)	WCDMA IV_Ant 3				Tune-up Limit (dBm)
	TX Channel	1312	1413	1513		1312	1413	1513		
Rx Channel		1537	1638	1738		1537	1638	1738		
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	20.52	20.47	20.43	20.80	21.09	21.07	20.98	21.30	
3GPP Rel 99	AMR 12.2Kbps	20.53	20.55	20.47	20.80	21.16	21.19	21.12	21.30	
3GPP Rel 6	HSDPA Subtest-1	20.39	20.37	20.33	20.80	21.15	21.15	21.15	21.30	
3GPP Rel 6	HSDPA Subtest-2	20.40	20.38	20.34	20.80	21.11	21.17	21.12	21.30	
3GPP Rel 6	HSDPA Subtest-3	20.41	20.44	20.37	20.80	21.15	21.12	21.16	21.30	
3GPP Rel 6	HSDPA Subtest-4	20.39	20.38	20.33	20.80	21.13	21.09	21.05	21.30	
3GPP Rel 8	DC-HSDPA Subtest-1	20.34	20.25	20.22	20.80	21.14	21.13	21.02	21.30	
3GPP Rel 8	DC-HSDPA Subtest-2	20.26	20.28	20.22	20.80	21.02	21.03	21.08	21.30	
3GPP Rel 8	DC-HSDPA Subtest-3	20.31	20.41	20.30	20.80	21.04	21.09	21.12	21.30	
3GPP Rel 8	DC-HSDPA Subtest-4	20.25	20.30	20.23	20.80	21.04	21.17	20.92	21.30	
3GPP Rel 6	HSUPA Subtest-1	20.37	20.35	20.28	20.80	21.10	21.17	20.98	21.30	
3GPP Rel 6	HSUPA Subtest-2	20.45	20.43	20.35	20.80	21.06	21.09	20.99	21.30	
3GPP Rel 6	HSUPA Subtest-3	20.43	20.40	20.32	20.80	21.06	21.10	21.10	21.30	
3GPP Rel 6	HSUPA Subtest-4	20.39	20.42	20.37	20.80	21.01	21.11	21.09	21.30	
3GPP Rel 6	HSUPA Subtest-5	20.40	20.40	20.30	20.80	21.08	21.08	21.08	21.30	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.40	20.37	20.28	20.80	21.11	21.11	21.04	21.30	

Band 2_Ant 4												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				18700	18900	19100						
Frequency (MHz)				1860	1880	1900						
20	QPSK	1	0	19.09	19.14	19.02	19.8	0				
20	QPSK	1	49	18.94	19.13	18.96						
20	QPSK	1	99	19.05	19.02	19.01						
20	QPSK	50	0	19.00	19.10	18.96	19.8	0				
20	QPSK	50	24	18.93	19.02	18.94						
20	QPSK	50	50	18.91	19.05	18.94						
20	QPSK	100	0	18.98	19.05	18.94	19.8	0				
20	16QAM	1	0	19.05	19.03	18.97						
20	16QAM	1	49	18.99	19.07	18.92						
20	16QAM	1	99	18.95	19.04	18.99	19.8	0				
20	16QAM	50	0	19.00	19.09	18.95						
20	16QAM	50	24	19.07	19.04	18.90						
20	16QAM	50	50	18.99	19.09	18.86	19.8	0				
20	16QAM	100	0	19.00	19.12	18.91						
20	64QAM	1	0	18.99	19.04	18.90						
20	64QAM	1	49	18.96	19.10	18.96	19.8	0				
20	64QAM	1	99	19.03	18.99	19.01						
20	64QAM	50	0	18.94	19.02	19.00						
20	64QAM	50	24	18.95	19.13	18.92	19.8	0				
20	64QAM	50	50	18.96	19.03	18.93						
20	64QAM	100	0	18.93	19.05	18.93						
Channel				18915	18900	19105	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1887.5	1880	1902.5						
15	QPSK	1	0	19.04	19.09	18.93	19.8	0				
15	QPSK	1	37	18.91	19.09	18.84						
15	QPSK	1	74	18.98	18.87	18.96						
15	QPSK	36	0	18.95	19.03	18.89	19.8	0				
15	QPSK	36	20	18.82	18.93	18.78						
15	QPSK	36	39	18.85	18.91	18.92						
15	QPSK	75	0	18.91	18.99	18.80	19.8	0				
15	16QAM	1	0	18.91	18.91	18.95						
15	16QAM	1	37	18.98	19.03	18.92						
15	16QAM	1	74	18.84	18.96	18.92	19.8	0				
15	16QAM	36	0	18.87	18.94	18.80						
15	16QAM	36	20	18.95	18.94	18.85						
15	16QAM	36	39	18.94	19.08	18.87	19.8	0				
15	16QAM	75	0	18.86	19.07	18.84						
15	64QAM	1	0	18.85	18.90	18.80						
15	64QAM	1	37	18.88	19.08	18.84	19.8	0				
15	64QAM	1	74	18.91	18.92	18.86						
15	64QAM	36	0	18.82	18.92	18.86						
15	64QAM	36	20	18.83	19.06	18.80	19.8	0				
15	64QAM	36	39	18.89	18.88	18.82						
15	64QAM	75	0	18.91	18.99	18.84						
Channel				18850	18900	19150	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1885 <th>1880</th> <th>1905</th> <th data-cs="4" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>	1880	1905						
10	QPSK	1	0	19.04	19.13	18.99	19.8	0				
10	QPSK	1	25	18.81	19.03	18.89						
10	QPSK	1	49	19.00	18.95	18.92						
10	QPSK	25	0	18.88	19.07	18.85	19.8	0				
10	QPSK	25	12	18.78	18.80	18.84						
10	QPSK	25	25	18.80	18.92	18.90						
10	QPSK	50	0	18.83	18.96	18.82	19.8	0				
10	16QAM	1	0	19.01	18.91	18.88						
10	16QAM	1	25	18.93	18.97	18.87						
10	16QAM	1	49	18.83	18.95	18.87	19.8	0				
10	16QAM	25	0	18.95	18.98	18.90						
10	16QAM	25	12	19.06	18.96	18.83						
10	16QAM	25	25	18.96	18.94	18.74	19.8	0				
10	16QAM	50	0	18.87	19.01	18.77						
10	64QAM	1	0	18.87	19.00	18.87						
10	64QAM	1	25	18.90	19.01	18.88	19.8	0				
10	64QAM	1	49	19.00	18.88	18.90						
10	64QAM	25	0	18.88	18.96	18.97						
10	64QAM	25	12	18.87	18.98	18.82	19.8	0				
10	64QAM	25	25	18.89	18.94	18.88						
10	64QAM	50	0	18.84	18.98	18.78						
Channel				18825	18900	19175	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1882.5	1880	1902.5						
5	QPSK	1	0	19.04	19.05	18.90	19.8	0				
5	QPSK	1	12	18.80	18.98	18.68						
5	QPSK	1	24	18.94	18.95	18.87						
5	QPSK	12	0	18.97	19.02	18.82	19.8	0				
5	QPSK	12	7	18.81	18.89	18.85						
5	QPSK	12	13	18.90	18.91	18.81						
5	QPSK	25	0	18.91	19.04	18.84	19.8	0				
5	16QAM	1	0	19.02	18.93	18.90						
5	16QAM	1	12	18.98	19.04	18.82						
5	16QAM	1	24	18.92	18.99	18.92	19.8	0				
5	16QAM	12	0	18.89	18.95	18.92						
5	16QAM	12	7	18.94	19.00	18.85						
5	16QAM	12	13	18.93	19.04	18.84	19.8	0				
5	16QAM	25	0	18.85	19.00	18.82						
5	64QAM	1	0	18.87	19.02	18.85						
5	64QAM	1	12	18.81	18.96	18.95	19.8	0				
5	64QAM	1	24	18.85	18.93	18.83						
5	64QAM	12	0	18.91	18.88	18.89						
5	64QAM	12	7	18.82	19.02	18.87	19.8	0				
5	64QAM	12	13	18.92	18.91	18.81						
5	64QAM	25	0	18.89	18.95	18.82						
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1881.5	1880	1908.5						
3	QPSK	1	0	18.95	19.12	18.98	19.8	0				
3	QPSK	1	8	18.86	19.01	18.82						
3	QPSK	1	14	18.91	18.98	18.91						
3	QPSK	8	0	18.93	19.06	18.95	19.8	0				
3	QPSK	8	4	18.79	18.88	18.79						
3	QPSK	8	7	18.80	18.99	18.80						
3	QPSK	15	0	18.83	18.98	18.90	19.8	0				
3	16QAM	1	0	19.03	19.01	18.96						
3	16QAM	1	8	18.94	18.98	18.87						
3	16QAM	1	14	18.94	19.00	18.92	19.8	0				
3	16QAM	8	0	18.96	19.01	18.87						
3	16QAM	8	4	19.02	18.94	18.89						
3	16QAM	8	7	18.89	18.96	18.83	19.8	0				
3	16QAM	15	0	18.96	19.11	18.82						
3	64QAM	1	0	18.89	18.91	18.85						
3	64QAM	1	8	18.91	19.09	18.95	19.8	0				
3	64QAM	1	14	19.00	18.92	18.92						
3	64QAM	8	0	18.80	18.90	18.90						

Band 4_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20050	20175	20300					
Frequency (MHz)				1720	1732.5	1745					
20	QPSK	1	0	20.12	20.16	20.09	21	0	0		
20	QPSK	1	49	19.99	20.11	19.94					
20	QPSK	1	99	20.01	20.06	19.96					
20	QPSK	50	0	20.01	20.08	20.02	21	0	0		
20	QPSK	50	24	20.00	20.07	19.97					
20	QPSK	50	50	19.97	20.04	19.95					
20	QPSK	100	0	19.98	20.04	19.96	21	0	0		
20	16QAM	1	0	20.03	20.07	20.08					
20	16QAM	1	49	20.00	20.08	20.07					
20	16QAM	1	99	20.01	20.07	20.04	21	0	0		
20	16QAM	50	0	19.99	20.15	20.08					
20	16QAM	50	24	20.05	20.02	19.94					
20	16QAM	50	50	20.07	20.05	19.94	21	0	0		
20	16QAM	100	0	20.04	20.02	20.01					
20	64QAM	1	0	19.97	20.10	19.97					
20	64QAM	1	49	19.99	20.12	19.97	21	0	0		
20	64QAM	1	99	20.07	20.12	19.95					
20	64QAM	50	0	19.98	20.06	20.02					
20	64QAM	50	24	20.04	20.04	19.97	21	0	0		
20	64QAM	50	50	20.04	20.02	19.98					
20	64QAM	100	0	19.99	20.12	19.95					
Channel				20050	20175	20300					
Frequency (MHz)				1717.5	1732.5	1747.5					
15	QPSK	1	0	20.10	20.08	19.96	21	0	0		
15	QPSK	1	37	19.87	20.02	19.89					
15	QPSK	1	74	19.95	19.91	19.82					
15	QPSK	36	0	19.90	20.05	19.91	21	0	0		
15	QPSK	36	20	19.85	19.96	19.84					
15	QPSK	36	39	19.92	19.92	19.85					
15	QPSK	75	0	19.86	19.96	19.89	21	0	0		
15	16QAM	1	0	19.91	19.94	20.05					
15	16QAM	1	37	19.93	20.02	19.91					
15	16QAM	1	74	19.94	20.03	19.90	21	0	0		
15	16QAM	36	0	19.84	20.05	19.95					
15	16QAM	36	20	19.99	19.92	19.87					
15	16QAM	36	39	19.92	19.95	19.92	21	0	0		
15	16QAM	75	0	19.99	19.94	19.94					
15	64QAM	1	0	19.85	20.02	19.87					
15	64QAM	1	37	19.98	19.99	19.95	21	0	0		
15	64QAM	1	74	19.96	20.06	19.86					
15	64QAM	36	0	19.97	19.98	19.94					
15	64QAM	36	20	19.92	20.03	19.84	21	0	0		
15	64QAM	36	39	19.89	19.99	19.97					
15	64QAM	75	0	19.88	20.03	19.93					
Channel				20000	20175	20350					
Frequency (MHz)				1715	1732.5	1750					
10	QPSK	1	0	19.97	20.02	19.95	21	0	0		
10	QPSK	1	25	19.87	20.08	19.86					
10	QPSK	1	49	20.00	19.95	19.92					
10	QPSK	25	0	19.86	19.99	19.89	21	0	0		
10	QPSK	25	12	19.86	20.02	19.91					
10	QPSK	25	25	19.95	20.01	19.88					
10	QPSK	50	0	19.88	20.02	19.90	21	0	0		
10	16QAM	1	0	19.90	20.06	20.03					
10	16QAM	1	25	19.86	19.95	19.94					
10	16QAM	1	49	19.94	19.92	19.95	21	0	0		
10	16QAM	25	0	19.91	20.00	19.93					
10	16QAM	25	12	19.88	19.90	19.84					
10	16QAM	25	25	19.97	20.02	19.93	21	0	0		
10	16QAM	50	0	19.90	19.88	19.92					
10	64QAM	1	0	19.82	19.97	19.83					
10	64QAM	1	25	19.97	20.10	19.85	21	0	0		
10	64QAM	1	49	19.92	20.06	19.88					
10	64QAM	25	0	19.97	20.00	19.94					
10	64QAM	25	12	19.90	20.01	19.90	21	0	0		
10	64QAM	25	25	19.95	19.92	19.86					
10	64QAM	50	0	19.96	20.06	19.91					
Channel				19975	20175	20375					
Frequency (MHz)				1712.5	1732.5	1752.5					
5	QPSK	1	0	19.98	20.04	19.85	21	0	0		
5	QPSK	1	12	19.98	19.96	19.93					
5	QPSK	1	24	19.90	19.99	19.86					
5	QPSK	12	0	19.96	20.01	19.97	21	0	0		
5	QPSK	12	7	19.85	19.92	19.83					
5	QPSK	12	13	19.89	19.98	19.92					
5	QPSK	25	0	19.83	19.94	19.86	21	0	0		
5	16QAM	1	0	19.94	19.99	20.03					
5	16QAM	1	12	19.99	20.03	20.03					
5	16QAM	1	24	19.98	20.00	20.02	21	0	0		
5	16QAM	12	0	19.88	20.10	20.04					
5	16QAM	12	7	19.91	19.88	19.93					
5	16QAM	12	13	20.01	20.03	19.93	21	0	0		
5	16QAM	25	0	19.98	19.97	19.93					
5	64QAM	1	0	19.95	19.95	19.86					
5	64QAM	1	12	19.98	20.07	19.90	21	0	0		
5	64QAM	1	24	20.06	20.02	19.85					
5	64QAM	12	0	19.96	20.00	19.88					
5	64QAM	12	7	20.02	19.94	19.83	21	0	0		
5	64QAM	12	13	19.89	19.87	19.88					
5	64QAM	25	0	19.87	20.08	19.85					
Channel				19965	20175	20385					
Frequency (MHz)				1711.5	1732.5	1753.5					
3	QPSK	1	0	20.09	20.08	20.01	21	0	0		
3	QPSK	1	8	19.89	19.99	19.87					
3	QPSK	1	14	19.95	19.96	19.87					
3	QPSK	8	0	19.96	20.07	19.99	21	0	0		
3	QPSK	8	4	19.96	20.01	19.90					
3	QPSK	8	7	19.84	19.90	19.86					
3	QPSK	15	0	19.89	19.94	19.92	21	0	0		
3	16QAM	1	0	19.98	20.05	20.00					
3	16QAM	1	8	19.94	20.02	20.05					
3	16QAM	1	14	19.95	20.06	19.98	21	0	0		
3	16QAM	8	0	19.95	20.07	20.07					
3	16QAM	8	4	19.91	19.91	19.92					
3	16QAM	8	7	19.96	19.97	19.93	21	0	0		
3	16QAM	15	0	19.95	19.99	20.00					
3	64QAM	1	0	19.95	20.07	19.92					
3	64QAM	1	8	19.84	20.11	19.95	21	0	0		
3	64QAM	1	14	19.98	20.02	19.80					
3	64QAM	8	0	19.88	19.95	20.00					
3	64QAM	8	4	19.93	19.89	19.87	21	0	0		
3	64QAM	8	7	19.94	19.94	19.93					
3	64QAM	15	0	19.85	20.08	19.82					
Channel				19957	20175	20393					
Frequency (MHz)				1710.7	1732.5	1754.3					
1.4	QPSK	1	0	19.97	20.05	20.07	21	0	0		
1.4	QPSK	1	3	19.92	19.96	19.83					
1.4	QPSK	1	5	19.92	20.04	19.92					
1.4	QPSK	3	0	19.93	20.01	19.97	21	0	0		
1.4	QPSK	3	1	19.95	20.02	19.92					
1.4	QPSK	3	3	19.95	19.98	19.85					
1.4	QPSK	6	0	19.90	20.03	19.92	21	0	0		
1.4	16QAM	1	0	19.93	20.02	19.96					
1.4	16QAM	1	3	19.90	20						

Band 5_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20450	20525	20600				
Frequency (MHz)				829	836.5	844				
10	QPSK	1	0	20.40	20.45	20.38	21.5	0		
10	QPSK	1	25	20.34	20.42	20.23				
10	QPSK	1	49	20.39	20.37	20.27				
10	QPSK	25	0	20.36	20.39	20.33	21.5	0		
10	QPSK	25	12	20.31	20.32	20.32				
10	QPSK	25	25	20.32	20.34	20.23				
10	QPSK	50	0	20.29	20.32	20.31	21.5	0		
10	16QAM	1	0	20.27	20.42	20.25				
10	16QAM	1	25	20.28	20.33	20.30				
10	16QAM	1	49	20.28	20.33	20.33	21.5	0		
10	16QAM	25	0	20.39	20.32	20.37				
10	16QAM	25	12	20.38	20.38	20.31				
10	16QAM	25	25	20.37	20.37	20.36	21.5	0		
10	16QAM	50	0	20.37	20.35	20.26				
10	64QAM	1	0	20.34	20.35	20.29				
10	64QAM	1	25	20.25	20.40	20.27	21.5	0		
10	64QAM	1	49	20.34	20.37	20.35				
10	64QAM	25	0	20.37	20.32	20.33				
10	64QAM	25	12	20.26	20.33	20.27	21.5	0		
10	64QAM	25	25	20.38	20.35	20.25				
10	64QAM	50	0	20.28	20.32	20.34				
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	20.25	20.39	20.37	21.5	0		
5	QPSK	1	12	20.21	20.39	20.15				
5	QPSK	1	24	20.35	20.26	20.26				
5	QPSK	12	0	20.23	20.31	20.27	21.5	0		
5	QPSK	12	7	20.21	20.26	20.24				
5	QPSK	12	13	20.25	20.26	20.13				
5	QPSK	25	0	20.25	20.20	20.17	21.5	0		
5	16QAM	1	0	20.16	20.38	20.14				
5	16QAM	1	12	20.23	20.22	20.15				
5	16QAM	1	24	20.20	20.25	20.29	21.5	0		
5	16QAM	12	0	20.31	20.31	20.36				
5	16QAM	12	7	20.23	20.37	20.19				
5	16QAM	12	13	20.24	20.29	20.29	21.5	0		
5	16QAM	25	0	20.33	20.21	20.20				
5	64QAM	1	0	20.33	20.24	20.21				
5	64QAM	1	12	20.18	20.39	20.21	21.5	0		
5	64QAM	1	24	20.27	20.25	20.31				
5	64QAM	12	0	20.22	20.22	20.33				
5	64QAM	12	7	20.24	20.24	20.19	21.5	0		
5	64QAM	12	13	20.34	20.20	20.14				
5	64QAM	25	0	20.17	20.28	20.23				
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				825.5	836.5	847.5				
3	QPSK	1	0	20.29	20.32	20.34	21.5	0		
3	QPSK	1	8	20.33	20.35	20.15				
3	QPSK	1	14	20.38	20.29	20.26				
3	QPSK	8	0	20.29	20.28	20.19	21.5	0		
3	QPSK	8	4	20.19	20.30	20.20				
3	QPSK	8	7	20.28	20.26	20.09				
3	QPSK	15	0	20.17	20.19	20.29	21.5	0		
3	16QAM	1	0	20.26	20.41	20.24				
3	16QAM	1	8	20.27	20.28	20.22				
3	16QAM	1	14	20.19	20.26	20.18	21.5	0		
3	16QAM	8	0	20.30	20.19	20.26				
3	16QAM	8	4	20.26	20.34	20.25				
3	16QAM	8	7	20.25	20.36	20.29	21.5	0		
3	16QAM	15	0	20.29	20.24	20.25				
3	64QAM	1	0	20.29	20.29	20.15				
3	64QAM	1	8	20.10	20.35	20.12	21.5	0		
3	64QAM	1	14	20.21	20.29	20.22				
3	64QAM	8	0	20.12	20.24	20.30				
3	64QAM	8	4	20.19	20.32	20.22	21.5	0		
3	64QAM	8	7	20.32	20.23	20.11				
3	64QAM	15	0	20.15	20.31	20.26				
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				824.7	836.5	848.3				
1.4	QPSK	1	0	20.28	20.36	20.34	21.5	0		
1.4	QPSK	1	3	20.20	20.35	20.08				
1.4	QPSK	1	5	20.24	20.26	20.13				
1.4	QPSK	3	0	20.31	20.37	20.20	21.5	0		
1.4	QPSK	3	1	20.23	20.29	20.28				
1.4	QPSK	3	3	20.26	20.21	20.15				
1.4	QPSK	6	0	20.19	20.31	20.19	21.5	0		
1.4	16QAM	1	0	20.17	20.35	20.22				
1.4	16QAM	1	3	20.26	20.32	20.23				
1.4	16QAM	1	5	20.15	20.22	20.30	21.5	0		
1.4	16QAM	3	0	20.32	20.29	20.24				
1.4	16QAM	3	1	20.27	20.31	20.21				
1.4	16QAM	3	3	20.33	20.31	20.21	21.5	0		
1.4	16QAM	6	0	20.25	20.34	20.22				
1.4	64QAM	1	0	20.19	20.27	20.28				
1.4	64QAM	1	3	20.21	20.39	20.18	21.5	0		
1.4	64QAM	1	5	20.22	20.33	20.25				
1.4	64QAM	3	0	20.15	20.29	20.29				
1.4	64QAM	3	1	20.11	20.21	20.17	21.5	0		
1.4	64QAM	3	3	20.24	20.24	20.24				
1.4	64QAM	6	0	20.25	20.24	20.28				

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	20.42	20.46	20.43	20.5	0	
10	QPSK	1	25	20.34	20.33	20.42			
10	QPSK	1	49	20.35	20.32	20.31			
10	QPSK	25	0	20.40	20.45	20.41	20.5	0	
10	QPSK	25	12	20.32	20.31	20.29			
10	QPSK	25	25	20.37	20.32	20.36			
10	QPSK	50	0	20.31	20.42	20.31	20.5	0	
10	16QAM	1	0	20.41	20.43	20.42			
10	16QAM	1	25	20.39	20.33	20.33			
10	16QAM	1	49	20.36	20.43	20.39	20.5	0	
10	16QAM	25	0	20.36	20.32	20.42			
10	16QAM	25	12	20.37	20.42	20.37			
10	16QAM	25	25	20.41	20.44	20.41	20.5	0	
10	16QAM	50	0	20.30	20.35	20.29			
10	64QAM	1	0	20.28	20.37	20.30			
10	64QAM	1	25	20.35	20.32	20.42	20.5	0	
10	64QAM	1	49	20.31	20.45	20.37			
10	64QAM	25	0	20.41	20.41	20.33			
10	64QAM	25	12	20.38	20.40	20.32	20.5	0	
10	64QAM	25	25	20.38	20.31	20.38			
10	64QAM	50	0	20.30	20.43	20.34			
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	20.31	20.31	20.40	20.5	0	
5	QPSK	1	12	20.22	20.20	20.36			
5	QPSK	1	24	20.30	20.29	20.18			
5	QPSK	12	0	20.31	20.34	20.29	20.5	0	
5	QPSK	12	7	20.24	20.24	20.18			
5	QPSK	12	13	20.32	20.29	20.31			
5	QPSK	25	0	20.21	20.31	20.21	20.5	0	
5	16QAM	1	0	20.28	20.32	20.29			
5	16QAM	1	12	20.38	20.20	20.29			
5	16QAM	1	24	20.25	20.28	20.24	20.5	0	
5	16QAM	12	0	20.25	20.30	20.32			
5	16QAM	12	7	20.33	20.29	20.33			
5	16QAM	12	13	20.37	20.39	20.39	20.5	0	
5	16QAM	25	0	20.22	20.27	20.16			
5	64QAM	1	0	20.10	20.22	20.16			
5	64QAM	1	12	20.32	20.19	20.34	20.5	0	
5	64QAM	1	24	20.22	20.44	20.35			
5	64QAM	12	0	20.38	20.37	20.27			
5	64QAM	12	7	20.27	20.26	20.18	20.5	0	
5	64QAM	12	13	20.31	20.22	20.36			
5	64QAM	25	0	20.28	20.36	20.33			
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	20.37	20.34	20.45	20.5	0	
3	QPSK	1	8	20.23	20.25	20.18			
3	QPSK	1	14	20.35	20.29	20.34			
3	QPSK	8	0	20.28	20.43	20.29	20.5	0	
3	QPSK	8	4	20.24	20.23	20.16			
3	QPSK	8	7	20.25	20.17	20.29			
3	QPSK	15	0	20.20	20.40	20.30	20.5	0	
3	16QAM	1	0	20.39	20.30	20.30			
3	16QAM	1	8	20.34	20.29	20.18			
3	16QAM	1	14	20.24	20.28	20.25	20.5	0	
3	16QAM	8	0	20.35	20.24	20.40			
3	16QAM	8	4	20.32	20.27	20.27			
3	16QAM	8	7	20.29	20.41	20.33	20.5	0	
3	16QAM	15	0	20.21	20.32	20.15			
3	64QAM	1	0	20.15	20.24	20.16			
3	64QAM	1	8	20.24	20.19	20.37	20.5	0	
3	64QAM	1	14	20.30	20.43	20.34			
3	64QAM	8	0	20.29	20.37	20.24			
3	64QAM	8	4	20.36	20.31	20.24	20.5	0	
3	64QAM	8	7	20.29	20.22	20.28			
3	64QAM	15	0	20.29	20.25	20.25			
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	20.20	20.36	20.37	20.5	0	
1.4	QPSK	1	3	20.26	20.28	20.28			
1.4	QPSK	1	5	20.31	20.30	20.24			
1.4	QPSK	3	0	20.36	20.42	20.32	20.5	0	
1.4	QPSK	3	1	20.19	20.20	20.25			
1.4	QPSK	3	3	20.31	20.28	20.35			
1.4	QPSK	6	0	20.17	20.38	20.25	20.5	0	
1.4	16QAM	1	0	20.35	20.41	20.29			
1.4	16QAM	1	3	20.30	20.42	20.30			
1.4	16QAM	1	5	20.32	20.37	20.27	20.5	0	
1.4	16QAM	3	0	20.30	20.29	20.32			
1.4	16QAM	3	1	20.31	20.32	20.32			
1.4	16QAM	3	3	20.37	20.36	20.31	20.5	0	
1.4	16QAM	6	0	20.24	20.25	20.15			
1.4	64QAM	1	0	20.25	20.28	20.24			
1.4	64QAM	1	3	20.34	20.30	20.40	20.5	0	
1.4	64QAM	1	5	20.35	20.43	20.26			
1.4	64QAM	3	0	20.35	20.29	20.23			
1.4	64QAM	3	1	20.34	20.30	20.17	20.5	0	
1.4	64QAM	3	3	20.23	20.25	20.24			
1.4	64QAM	6	0	20.19	20.30	20.27			

Full & Default Power Mode

n2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-on time (min)	MFR (dB)	
Channel Frequency (MHz)									
20	PB-SSBSC	1	1	22.26	22.32	22.19			
20	PB-SSBSC	1	53	22.23	22.27	22.16	23.8	0.0	
20	PB-SSBSC	1	104	22.19	22.39	22.21			
20	PB-SSBSC	50	5	21.19	21.81	21.76	20.5	0.5	
20	PB-SSBSC	50	29	22.54	22.26	22.25	23.8	0.0	
20	PB-SSBSC	50	58	21.63	21.75	21.65			
20	PB-SSBSC	100	5	21.79	21.79	21.79	23.3	0.5	
20	QPSK	1	1	22.29	22.38	22.22			
20	QPSK	1	53	22.27	22.27	22.17	20.8	0.0	
20	QPSK	1	104	22.23	22.26	22.11			
20	QPSK	50	5	21.16	21.27	21.19	22.6	1.0	
20	QPSK	50	29	22.11	22.27	22.11	23.8	0.0	
20	QPSK	50	58	21.19	21.27	21.22			
20	QPSK	100	5	21.29	21.29	21.29	22.8	1.0	
20	16QAM	1	1	20.55	21.16	21.01	22.8	1.0	
20	16QAM	1	1	19.64	19.72	19.65	21.3	2.5	
20	256QAM	1	1	18.15	18.25	18.11	19.3	4.5	
Channel Frequency (MHz)									
15	QPSK	1	1	22.52	22.29	22.25	23.8	0.0	
Channel Frequency (MHz)									
10	QPSK	1	1	22.31	22.28	22.22	23.8	0.0	
Channel Frequency (MHz)									
5	QPSK	1	1	22.20	22.37	22.30	23.8	0.0	

n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel Frequency (MHz)									
20	PB-SSBSC	1	1	22.72	22.80	22.73			
20	PB-SSBSC	1	53	22.69	22.73	22.60	23.8	0.0	
20	PB-SSBSC	1	104	22.77	22.78	22.71			
20	PB-SSBSC	50	5	22.11	22.26	22.12	20.5	0.5	
20	PB-SSBSC	50	29	22.50	22.71	22.71	23.8	0.0	
20	PB-SSBSC	50	58	22.13	22.20	22.08			
20	PB-SSBSC	100	5	22.79	22.23	22.22	23.3	0.5	
20	QPSK	1	1	22.76	22.81	22.73			
20	QPSK	1	53	22.81	22.75	22.62	20.8	0.0	
20	QPSK	1	104	22.75	22.76	22.61			
20	QPSK	50	5	21.72	21.74	21.71	22.6	1.0	
20	QPSK	50	29	22.07	22.72	22.72	23.8	0.0	
20	QPSK	50	58	21.84	21.79	21.59			
20	QPSK	100	5	21.99	21.76	21.69	22.8	1.0	
20	16QAM	1	1	21.05	21.36	21.24	22.8	1.0	
20	16QAM	1	1	20.06	20.14	20.06	21.3	2.5	
20	256QAM	1	1	18.05	18.68	18.60	19.3	4.5	
Channel Frequency (MHz)									
15	QPSK	1	1	22.87	22.71	22.62	23.8	0.0	
Channel Frequency (MHz)									
10	QPSK	1	1	22.79	22.79	22.72	23.8	0.0	
Channel Frequency (MHz)									
5	QPSK	1	1	22.79	22.79	22.72	23.8	0.0	
Channel Frequency (MHz)									
1	QPSK	1	1	22.87	22.79	22.60	23.8	0.0	

n2_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel Frequency (MHz)									
20	PB-SSBSC	1	1	20.52	20.53	20.38			
20	PB-SSBSC	1	53	20.38	20.48	20.33	21.8	0.0	
20	PB-SSBSC	1	104	20.30	20.39	20.38			
20	PB-SSBSC	50	5	19.39	19.43	19.38	21.9	0.5	
20	PB-SSBSC	50	29	20.39	20.32	20.39	21.8	0.0	
20	PB-SSBSC	50	58	19.39	19.38	19.37			
20	PB-SSBSC	100	5	19.34	19.41	19.44	21.3	0.5	
20	QPSK	1	1	20.37	20.31	20.33			
20	QPSK	1	53	20.45	20.59	20.49	21.6	0.0	
20	QPSK	1	104	20.32	20.27	20.35			
20	QPSK	50	5	19.33	19.48	19.42	20.8	1.0	
20	QPSK	50	29	20.11	20.40	20.21	21.8	0.0	
20	QPSK	50	58	19.31	19.43	19.42			
20	QPSK	100	5	19.36	19.47	19.39	20.8	1.0	
20	16QAM	1	1	19.31	19.30	19.30	20.8	1.0	
20	16QAM	1	1	17.74	17.85	17.75	19.3	2.5	
20	256QAM	1	1	16.33	16.47	16.34	17.3	4.5	
Channel Frequency (MHz)									
15	QPSK	1	1	20.54	20.52	20.39	21.8	0.0	
Channel Frequency (MHz)									
10	QPSK	1	1	20.53	20.57	20.49	21.8	0.0	
Channel Frequency (MHz)									
5	QPSK	1	1	20.42	20.48	20.51	21.8	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PB-SSBSC	1	1	22.91	23.05	23.88			
20	PB-SSBSC	1	58	23.83	23.99	23.85	20.0	0.0	
20	PB-SSBSC	1	104	23.80	23.90	23.80			
20	PB-SSBSC	50	5	23.84	23.29	23.96	24.5	0.0	
20	PB-SSBSC	50	29	23.85	23.91	23.90	23.0	0.0	
20	PB-SSBSC	50	58	23.29	23.47	23.29			
20	PB-SSBSC	100	5	23.27	23.42	23.28	24.5	0.5	
20	QPSK	1	1	23.96	24.02	23.96			
20	QPSK	1	58	23.86	24.02	23.91	20.0	0.0	
20	QPSK	1	104	23.84	23.91	23.84			
20	QPSK	50	5	22.83	22.85	22.71	24.0	1.0	
20	QPSK	50	29	23.81	23.91	23.79	23.0	0.0	
20	QPSK	50	58	22.82	22.91	22.87			
20	QPSK	100	5	22.82	22.90	22.86	24.0	1.0	
20	16QAM	1	1	22.86	22.71	22.86	24.0	1.0	
20	16QAM	1	1	21.23	21.30	21.28	23.5	2.5	
20	256QAM	1	1	19.82	19.89	19.78	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.96	23.94	23.80	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.85	23.90	23.82	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.80	23.90	23.80	23.0	0.0	

n5_Ant 0							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up loss (dBm)
Channel Frequency (MHz)							
20	PIC BPSK	1	1	22.01	22.02	22.05	
20	PIC BPSK	1	15	22.09	22.01	22.08	24.5
20	PIC BPSK	1	104	22.09	22.01	22.07	
20	PIC BPSK	50	5	22.45	22.46	22.45	24.0
20	PIC BPSK	50	28	22.50	22.02	22.52	24.5
20	PIC BPSK	50	58	22.52	22.48	22.45	
20	PIC BPSK	500	5	22.45	22.48	22.50	24.0
20	QPSK	1	1	22.02	22.04	22.05	
20	QPSK	1	53	22.01	22.00	22.02	
20	QPSK	1	104	22.05	22.08	22.04	24.5
20	QPSK	50	5	21.88	21.87	21.94	22.5
20	QPSK	50	28	22.05	22.08	22.01	
20	QPSK	50	58	21.79	21.84	21.89	23.5
20	QPSK	100	5	21.95	21.98	21.95	
20	ISGAM	1	1	21.77	21.79	21.75	23.5
20	ISGAM	1	1	20.25	20.30	20.32	22.0
20	ISGAM	1	1	19.03	19.02	19.01	20.0
Channel							
15	QPSK	1	1	22.03	22.04	22.04	24.5
Channel							
10	QPSK	1	1	22.01	22.08	22.09	24.5
Channel							
5	QPSK	1	1	22.04	22.03	22.02	24.5

n7_Ant 4							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up loss (dBm)
Channel Frequency (MHz)							
40	PIC BPSK	1	1	23.34	23.35	23.32	
40	PIC BPSK	1	168	23.26	23.45	23.38	25.0
40	PIC BPSK	1	214	23.27	23.21	23.21	
40	PIC BPSK	100	5	23.30	23.34	23.38	24.5
40	PIC BPSK	100	54	23.35	23.35	23.35	25.0
40	PIC BPSK	100	108	22.82	22.85	22.85	24.5
40	PIC BPSK	214	5	23.21	23.25	23.21	
40	QPSK	1	1	23.36	23.40	23.41	
40	QPSK	1	100	23.27	23.28	23.38	26.0
40	QPSK	1	214	23.28	23.35	23.37	
40	QPSK	100	5	22.53	22.58	22.54	24.0
40	QPSK	100	54	23.11	23.45	23.35	25.0
40	QPSK	100	108	22.21	22.38	22.34	24.0
40	QPSK	210	5	22.87	22.98	22.94	
40	ISGAM	1	1	22.15	22.15	22.00	24.0
40	ISGAM	1	1	20.85	20.88	20.85	22.5
40	ISGAM	1	1	19.12	19.10	19.11	20.5
Channel							
30	QPSK	1	1	23.35	23.31	23.30	25.0
Channel							
25	QPSK	1	1	23.28	23.38	23.40	25.0
Channel							
20	QPSK	1	1	23.27	23.37	23.39	25.0
Channel							
15	QPSK	1	1	23.24	23.32	23.33	25.0
Channel							
10	QPSK	1	1	23.36	23.45	23.39	25.0
Channel							
5	QPSK	1	1	23.31	23.42	23.33	25.0

n7_Ant 3							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up loss (dBm)
Channel Frequency (MHz)							
40	PIC BPSK	1	15	23.72	23.74	23.80	
40	PIC BPSK	1	168	23.67	23.71	23.68	25.0
40	PIC BPSK	1	214	23.68	23.74	23.72	
40	PIC BPSK	100	5	23.52	23.58	23.57	24.5
40	PIC BPSK	100	54	23.64	23.75	23.67	25.0
40	PIC BPSK	100	108	23.20	23.22	23.17	24.5
40	PIC BPSK	214	5	23.14	23.20	23.25	
40	QPSK	1	1	23.72	23.81	23.74	
40	QPSK	1	100	23.61	23.67	23.68	25.0
40	QPSK	1	214	23.65	23.75	23.68	
40	QPSK	100	5	22.83	22.75	22.73	24.0
40	QPSK	100	54	23.75	23.75	23.75	25.0
40	QPSK	100	108	22.58	22.59	22.58	24.0
40	QPSK	210	5	22.84	22.77	22.86	
40	ISGAM	1	1	22.47	22.55	22.45	24.0
40	ISGAM	1	1	20.98	21.05	20.98	22.5
40	ISGAM	1	1	19.50	19.62	19.52	20.5
Channel							
30	QPSK	1	1	23.84	23.75	23.82	25.0
Channel							
25	QPSK	1	1	23.87	23.88	23.88	25.0
Channel							
20	QPSK	1	1	23.70	23.72	23.81	25.0
Channel							
15	QPSK	1	1	23.65	23.72	23.73	25.0
Channel							
10	QPSK	1	1	23.82	23.71	23.84	25.0
Channel							
5	QPSK	1	1	23.81	23.75	23.81	25.0

n7_Ant 5							
SV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up loss (dBm)
Channel Frequency (MHz)							
40	PIC BPSK	1	1	25.70	25.69	25.82	
40	PIC BPSK	1	168	25.69	25.71	25.69	22.0
40	PIC BPSK	1	214	25.73	25.75	25.72	
40	PIC BPSK	100	5	25.54	25.54	25.51	21.5
40	PIC BPSK	100	54	25.77	25.78	25.83	22.0
40	PIC BPSK	100	108	25.23	25.26	25.18	21.5
40	PIC BPSK	214	5	25.14	25.20	25.27	
40	QPSK	1	1	25.70	25.84	25.74	
40	QPSK	1	100	25.68	25.70	25.68	22.0
40	QPSK	1	214	25.71	25.75	25.68	
40	QPSK	100	5	25.97	25.82	25.70	21.0
40	QPSK	100	54	25.85	25.75	25.81	22.0
40	QPSK	100	108	25.88	25.72	25.82	21.0
40	QPSK	210	5	25.72	25.74	25.73	
40	ISGAM	1	1	25.45	25.50	25.58	21.0
40	ISGAM	1	1	24.13	24.16	24.08	19.5
40	ISGAM	1	1	22.70	22.72	22.69	17.5
Channel							
30	QPSK	1	1	25.82	25.75	25.78	22.0
Channel							
25	QPSK	1	1	25.88	25.81	25.88	22.0
Channel							
20	QPSK	1	1	25.82	25.74	25.85	22.0
Channel							
15	QPSK	1	1	25.85	25.89	25.85	22.0
Channel							
10	QPSK	1	1	25.81	25.81	25.72	22.0
Channel							
5	QPSK	1	1	25.89	25.89	25.88	22.0

n12_Ant 1							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)
Channel							
Frequency [MHz]				141000	141000	141000	
15	P12 BPSK	1	1	22.80	22.83	22.81	
15	P12 BPSK	1	46	22.87	22.93	22.91	23.8
15	P12 BPSK	1	77	22.72	22.86	22.79	
15	P12 BPSK	36	5	22.45	22.46	22.42	23.5
15	P12 BPSK	36	22	22.52	22.55	22.51	23.8
15	P12 BPSK	36	43	22.35	22.40	22.27	23.3
15	P12 BPSK	36	5	22.42	22.48	22.38	
15	QPSK	1	1	22.80	22.86	22.82	
15	QPSK	1	46	22.86	22.94	22.89	23.8
15	QPSK	1	77	22.80	22.86	22.76	
15	QPSK	36	5	21.90	21.93	21.90	22.8
15	QPSK	36	22	22.00	22.06	21.95	23.8
15	QPSK	36	43	21.79	21.81	21.82	22.8
15	QPSK	36	5	21.86	21.86	21.86	
15	HCQAM	1	1	21.75	21.85	21.85	22.8
15	HCQAM	1	1	20.15	20.23	20.11	21.3
15	HCQAM	1	1	18.75	18.81	18.75	18.3
Channel							
Frequency [MHz]				142000	142000	142000	
10	QPSK	1	1	22.80	22.86	22.83	23.8
Channel							
Frequency [MHz]				143000	143000	143000	
5	QPSK	1	1	22.83	22.91	22.81	23.8

n12_Ant 0							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)
Channel							
Frequency [MHz]				141000	141000	141000	
15	P12 BPSK	1	1	22.20	22.21	22.18	
15	P12 BPSK	1	46	22.13	22.23	22.14	22.8
15	P12 BPSK	1	77	22.86	22.15	22.87	
15	P12 BPSK	36	5	21.86	21.78	21.86	22.8
15	P12 BPSK	36	22	22.28	22.25	22.30	22.8
15	P12 BPSK	36	43	21.71	21.74	21.65	22.3
15	P12 BPSK	36	5	21.62	21.77	21.73	22.3
15	QPSK	1	1	22.20	22.26	22.20	
15	QPSK	1	46	22.17	22.24	22.12	22.8
15	QPSK	1	77	22.05	22.15	21.97	
15	QPSK	36	5	21.21	21.25	21.16	21.8
15	QPSK	36	22	22.10	22.25	22.18	22.8
15	QPSK	36	43	21.12	21.25	21.22	21.8
15	QPSK	36	5	21.06	21.06	21.06	
15	HCQAM	1	1	20.84	20.95	20.85	21.8
15	HCQAM	1	1	18.49	18.54	18.50	20.3
15	HCQAM	1	1	17.09	18.12	18.05	18.3
Channel							
Frequency [MHz]				142000	142000	142000	
10	QPSK	1	1	22.18	22.18	22.13	22.8
Channel							
Frequency [MHz]				143000	143000	143000	
5	QPSK	1	1	22.23	22.22	22.14	22.8

n26_Ant 1							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)
Channel							
Frequency [MHz]							
164000	164000	164000					
20	P12 BPSK	1	1	23.82	23.81	23.82	
20	P12 BPSK	1	58	23.77	23.86	23.81	25.0
20	P12 BPSK	1	104	23.88	23.85	23.83	
20	P12 BPSK	56	5	23.55	23.45	23.46	24.5
20	P12 BPSK	56	28	23.81	23.51	23.76	25.0
20	P12 BPSK	56	58	23.31	23.39	23.36	24.5
20	P12 BPSK	104	5	23.24	23.39	23.28	
20	QPSK	1	1	23.82	23.87	23.81	
20	QPSK	1	58	23.76	23.84	23.80	25.0
20	QPSK	1	104	23.83	23.84	23.80	
20	QPSK	56	5	22.87	22.85	22.88	24.0
20	QPSK	56	28	23.81	23.81	23.81	25.0
20	QPSK	56	58	22.76	22.89	22.80	24.0
20	QPSK	104	5	22.73	22.87	22.77	
20	HCQAM	1	1	22.55	22.55	22.54	24.0
20	HCQAM	1	1	21.28	21.29	21.25	22.5
20	HCQAM	1	1	19.68	19.85	19.88	20.5
Channel							
Frequency [MHz]							
165000	165000	165000					
15	QPSK	1	1	23.76	23.85	23.88	25.0
Channel							
Frequency [MHz]							
166000	166000	166000					
10	QPSK	1	1	23.73	23.82	23.85	25.0
Channel							
Frequency [MHz]							
167000	167000	167000					
5	QPSK	1	1	23.83	23.83	23.77	25.0

n26_Ant 0							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Frequency [MHz]	Power Mid Ch./ Frequency [MHz]	Power High Ch./ Frequency [MHz]	Time-up time (dBm)
Channel							
Frequency [MHz]							
20	P12 BPSK	1	1	22.82	23.01	22.93	
20	P12 BPSK	1	58	22.93	23.05	22.88	24.5 0.0
20	P12 BPSK	1	104	22.86	23.02	22.82	
20	P12 BPSK	56	5	22.55	22.50	22.43	24.0 0.5
20	P12 BPSK	56	28	23.03	23.01	23.02	24.5 0.5
20	P12 BPSK	56	58	22.47	22.48	22.42	24.0 0.5
20	P12 BPSK	104	5	22.45	22.55	22.47	
20	QPSK	1	1	22.80	23.08	22.95	
20	QPSK	1	58	22.87	22.97	22.86	24.5 0.0
20	QPSK	1	104	22.84	22.96	22.83	
20	QPSK	56	5	21.95	22.03	21.93	23.5 1.0
20	QPSK	56	28	22.81	22.81	22.81	24.5 0.0
20	QPSK	56	58	21.87	21.98	21.82	23.5 1.0
20	QPSK	104	5	21.84	21.98	21.86	
20	16QAM	1	1	21.75	21.75	21.71	23.5 1.0
20	16QAM	1	1	20.31	20.36	20.31	22.0 0.5
20	256QAM	1	1	18.93	18.93	18.88	20.0 4.5
Channel							
Frequency [MHz]							
15	QPSK	1	1	22.87	22.99	22.85	24.5 0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	22.85	23.02	23.00	24.5 0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	16.930	16.936	16.936	Time-up time
5	QPSK	1	1	22.85	23.00	22.93	24.5 0.5

n66_Ant 4									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up time (dB)	MVR (dB)	
Channel									
Frequency (MHz)									
40	PI-CBFSK	1	1	23.33	23.45	23.49			
40	PI-CBFSK	1	108	23.38	23.43	23.39	25.0	0.0	
40	PI-CBFSK	1	214	23.24	23.37	23.24			
40	PI-CBFSK	108	54	22.37	22.42	22.32	24.5	0.5	
40	PI-CBFSK	108	108	22.78	22.88	22.86			
40	PI-CBFSK	214	0	22.31	22.32	22.30	24.5	0.5	
40	QPSK	1	1	23.46	23.49	23.47			
40	QPSK	1	108	23.46	23.47	23.48	26.0	0.0	
40	QPSK	1	214	23.33	23.45	23.36			
40	QPSK	108	0	22.31	22.38	22.37	24.0	1.0	
40	QPSK	108	54	22.11	22.44	22.21	25.0	0.0	
40	QPSK	108	108	22.38	22.38	22.37	24.0	1.0	
40	QPSK	214	0	22.36	22.44	22.39			
40	ISGDM	1	1	22.25	22.27	22.13	24.0	1.0	
40	ISGDM	1	1	20.78	20.84	20.76	22.5	2.5	
40	ISGDM	1	1	19.30	19.40	19.34	20.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.43	23.44	23.37	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.38	23.34	23.34	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.45	23.44	23.35	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.12	23.37	23.23	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.18	23.44	23.40	25.0	0.0	

n66_Ant 3									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Time-up time (dB)	MVR (dB)	
Frequency (MHz)									
40	PI-CBFSK	1	1	23.78	23.80	23.79			
40	PI-CBFSK	1	108	23.63	23.70	23.66	25.0	0.0	
40	PI-CBFSK	1	214	23.88	23.79	23.71			
40	PI-CBFSK	108	0	23.07	23.10	23.07	24.5	0.0	
40	PI-CBFSK	108	54	23.76	23.75	23.63	25.0	0.0	
40	PI-CBFSK	108	108	23.04	23.10	23.11			
40	PI-CBFSK	214	0	23.19	23.20	23.17	24.5	0.5	
40	QPSK	1	1	23.81	23.87	23.82			
40	QPSK	1	108	23.67	23.71	23.66	26.0	0.0	
40	QPSK	1	214	23.88	23.77	23.68			
40	QPSK	108	0	22.54	22.68	22.57	24.0	1.0	
40	QPSK	108	54	23.08	23.10	23.11	25.0	0.0	
40	QPSK	108	108	22.87	22.88	22.98	24.0	1.0	
40	QPSK	214	0	22.63	22.68	22.57			
40	ISGDM	1	1	22.48	22.55	22.55	24.0	1.0	
40	ISGDM	1	1	21.07	21.14	21.02	22.5	2.5	
40	ISGDM	1	1	19.62	19.78	19.64	20.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.67	23.65	23.77	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.78	23.69	23.73	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.69	23.77	23.76	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.37	23.78	23.14	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.45	23.77	23.78	25.0	0.0	

n66_Ant 5									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up time (dB)	MVR (dB)	
Channel									
Frequency (MHz)									
40	PI-CBFSK	1	1	21.62	21.77	21.66			
40	PI-CBFSK	1	108	21.63	21.66	21.54	23.5	0.0	
40	PI-CBFSK	1	214	21.62	21.74	21.66			
40	PI-CBFSK	108	0	21.60	21.14	21.60	23.0	0.5	
40	PI-CBFSK	108	54	21.62	21.66	21.66	23.5	0.0	
40	PI-CBFSK	108	108	21.69	21.12	21.62			
40	PI-CBFSK	214	0	21.07	21.14	21.11	23.0	0.5	
40	QPSK	1	1	21.60	21.69	21.62			
40	QPSK	1	108	21.68	21.68	21.62	25.5	0.0	
40	QPSK	1	214	21.60	21.72	21.70			
40	QPSK	108	0	20.59	20.63	20.62	23.5	1.0	
40	QPSK	108	54	21.62	21.63	21.66	23.5	0.0	
40	QPSK	108	108	20.57	20.71	20.70	23.0	1.0	
40	ISGDM	1	1	20.52	20.64	20.62	23.0	1.0	
40	ISGDM	1	1	19.07	19.20	19.13	21.0	2.5	
40	ISGDM	1	1	17.75	17.79	17.78	19.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.74	21.81	21.89	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.68	21.82	21.74	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.74	21.85	21.77	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.66	21.82	21.76	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.78	21.78	21.67	23.0	0.0	

n38_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)	
Channel									
				519004	519000	519008			
Frequency (MHz)									
40	PSSBPSK	1	1	23.43	23.38	23.36	25.0	0.0	
40	PSSBPSK	1	53	23.38	23.48	23.41			
40	PSSBPSK	1	104	23.38	23.43	23.43			
40	PSSBPSK	50	0	22.83	22.92	22.83	24.5	0.5	
40	PSSBPSK	50	50	23.34	23.46	23.38	25.0	0.0	
40	PSSBPSK	50	98	22.91	22.91	22.88	24.5	0.5	
40	PSSBPSK	100	0	22.88	22.92	22.88	24.5	0.5	
40	QPSK	1	1	23.43	23.38	23.36			
40	QPSK	1	53	23.38	23.43	23.38			
40	QPSK	1	104	23.43	23.47	23.41	24.5	1.0	
40	QPSK	50	0	22.43	22.43	22.38	24.0	1.0	
40	QPSK	50	28	23.43	23.43	23.38	25.0	0.0	
40	QPSK	50	98	22.38	22.48	22.38	24.0	1.0	
40	QPSK	100	0	22.38	22.41	22.38	24.0	1.0	
40	SSBQAM	1	1	22.92	22.95	22.92	24.0	1.0	
40	SSBQAM	1	1	20.05	20.01	20.05	22.5	1.5	
40	SSBQAM	1	1	19.52	19.37	19.22	20.5	4.5	
Channel									
				2558.01	2558.01	2558.00			
Frequency (MHz)									
30	QPSK	1	1	23.38	23.37	23.40	24.0	1.0	
Channel									
				519008	519000	519000			
Frequency (MHz)									
20	QPSK	1	1	23.41	23.47	23.43	25.0	0.0	
Channel									
				519000	519000	520498			
Frequency (MHz)									
15	QPSK	1	1	23.39	23.43	23.38	25.0	0.0	
Channel									
				519004	519000	520998			
Frequency (MHz)									
10	QPSK	1	1	23.35	23.41	23.45	25.0	0.0	

n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (Frac.)	Power Media Ch (Frac.)	Power High Ch (Frac.)	Tune-up limit (dBm)	MPE (dB)	
Channel									
				519004	519000	519008			
Frequency (MHz)									
40	PSSBPSK	1	1	23.33	23.88	23.85	25.0	0.0	
40	PSSBPSK	1	53	23.80	23.87	23.80			
40	PSSBPSK	1	104	23.89	23.82	23.87			
40	PSSBPSK	50	0	23.22	23.32	23.27	24.5	0.5	
40	PSSBPSK	50	28	23.29	23.32	23.71	25.0	0.0	
40	PSSBPSK	50	98	23.11	23.25	23.14	24.5	0.5	
40	PSSBPSK	100	0	23.25	23.30	23.28	24.5	0.5	
40	QPSK	1	1	23.33	23.88	23.85			
40	QPSK	1	53	23.71	23.75	23.70			
40	QPSK	1	104	23.78	23.88	23.78	24.0	1.0	
40	QPSK	50	0	22.75	22.78	22.72	24.0	0.0	
40	QPSK	50	28	23.74	23.78	23.72	24.0	0.0	
40	QPSK	50	98	22.83	22.74	22.88	24.0	1.0	
40	QPSK	100	0	22.71	22.78	22.71	24.0	1.0	
40	SSBQAM	1	1	22.22	22.58	22.42	24.0	1.0	
40	SSBQAM	1	1	21.04	21.15	21.14	22.5	2.5	
40	SSBQAM	1	1	19.64	19.71	19.58	20.5	4.5	
Channel									
				2558.01 <th>519000<th>2558.00</th><th colspan="3" rowspan="2"></th></th>	519000 <th>2558.00</th> <th colspan="3" rowspan="2"></th>	2558.00			
Frequency (MHz)									
30	QPSK	1	1	23.78	23.75	23.80	25.0	0.0	
Channel									
				519008 <th>519000<th>520498<th colspan="3" rowspan="2"></th></th></th>	519000 <th>520498<th colspan="3" rowspan="2"></th></th>	520498 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
20	QPSK	1	1	23.70	23.83	23.82	25.0	0.0	
Channel									
				519000 <th>519000<th>520998<th colspan="3" rowspan="2"></th></th></th>	519000 <th>520998<th colspan="3" rowspan="2"></th></th>	520998 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
15	QPSK	1	1	23.76	23.78	23.75	25.0	0.0	
Channel									
				519004 <th>519000<th>520998<th colspan="3" rowspan="2"></th></th></th>	519000 <th>520998<th colspan="3" rowspan="2"></th></th>	520998 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
10	QPSK	1	1	23.77	23.81	23.80	25.0	0.0	

n38_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)	
Channel									
				519004	519000	519008			
Frequency (MHz)									
40	PSSBPSK	1	1	20.47	20.48	20.48	25.0	0.0	
40	PSSBPSK	1	53	20.44	20.38	20.52			
40	PSSBPSK	1	104	20.45	20.50	20.40			
40	PSSBPSK	50	0	20.03	20.04	19.98	23.5	0.5	
40	PSSBPSK	50	28	20.38	20.42	20.49	23.0	0.0	
40	PSSBPSK	50	98	19.84	19.92	19.75	21.5	0.5	
40	PSSBPSK	100	0	19.89	19.97	19.89	22.0	0.0	
40	QPSK	1	1	20.48	20.50	20.50			
40	QPSK	1	53	20.38	20.41	20.39			
40	QPSK	1	104	20.38	20.48	20.32	21.0	1.0	
40	QPSK	50	0	19.40	19.50	19.45	20.0	0.0	
40	QPSK	50	28	20.37	20.45	20.38	22.0	0.0	
40	QPSK	50	98	19.34	19.33	19.36	21.0	1.0	
40	SSBQAM	1	1	18.25	18.28	18.24	20.0	1.0	
40	SSBQAM	1	1	17.52	17.94	17.55	17.5	2.5	
40	SSBQAM	1	1	16.47	16.48	16.38	17.5	4.5	
Channel									
				2558.01 <th>519000<th>2558.00<th colspan="3" rowspan="2"></th></th></th>	519000 <th>2558.00<th colspan="3" rowspan="2"></th></th>	2558.00 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
30	QPSK	1	1	20.47	20.53	20.54	22.0	0.0	
Channel									
				519008 <th>519000<th>520998<th colspan="3" rowspan="2"></th></th></th>	519000 <th>520998<th colspan="3" rowspan="2"></th></th>	520998 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
20	QPSK	1	1	20.57	20.43	20.48	22.0	0.0	
Channel									
				519000 <th>519000<th>520498<th colspan="3" rowspan="2"></th></th></th>	519000 <th>520498<th colspan="3" rowspan="2"></th></th>	520498 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
15	QPSK	1	1	20.50	20.53	20.47	22.0	0.0	
Channel									
				519004 <th>519000<th>520998<th colspan="3" rowspan="2"></th></th></th>	519000 <th>520998<th colspan="3" rowspan="2"></th></th>	520998 <th colspan="3" rowspan="2"></th>			
Frequency (MHz)									
10	QPSK	1	1	20.51	20.48	20.53	22.0	0.0	

[illegible]

Part27Q_n78_Ant 6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Turn-up loss [dBm]	MPR [dB]			
Channel											
800000											
100	Frequency (MHz)	1	1	19.35							
100	PIC BPSK	1	1	19.79			20.2	0.0			
100	PIC BPSK	1	271	19.60							
100	PIC BPSK	135	0	19.79			20.2	0.0			
100	PIC BPSK	135	68	19.76			20.2	0.0			
100	PIC BPSK	135	136	19.75			20.2	0.0			
100	PIC BPSK	270	0	19.79			20.2	0.0			
100	QPSK	1	1	19.60							
100	QPSK	1	137	19.81			20.2	0.0			
100	QPSK	1	271	19.76							
100	QPSK	135	0	19.76			20.2	0.0			
100	QPSK	135	68	19.80			20.2	0.0			
100	QPSK	135	136	19.72			20.2	0.0			
100	QPSK	270	0	19.72			20.2	0.0			
100	16QAM	1	1	19.76			20.2	0.0			
100	16QAM	1	1	19.85			20.2	0.0			
100	256QAM	1	1	19.50			18.7	1.5			
Channel											
800000											
90	Frequency (MHz)	1	1	3740.02	3750	3754.98					
90	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			
Channel											
800000											
80	Frequency (MHz)	1	1	3740.02	3750	3754.98					
80	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			
Channel											
800000											
70	Frequency (MHz)	1	1	3740.02	3750	3754.98					
70	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			
Channel											
800000											
60	Frequency (MHz)	1	1	3740.02	3750	3754.98					
60	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			
Channel											
800000											
50	Frequency (MHz)	1	1	3740.02	3750	3754.98					
50	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			
Channel											
800000											
40	Frequency (MHz)	1	1	3740.02	3750	3754.98					
40	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			
Channel											
800000											
30	Frequency (MHz)	1	1	3740.02	3750	3754.98					
30	QPSK	1	1	3741.76	3750	3754.98	20.2	0.0			

Part27Q_n78(HPUE)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Turn-on loss [dBm]	MPR [dB]	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	22.58					
100	PIC BPSK	1	137	22.72			23.2		
100	PIC BPSK	1	271	22.55					
100	PIC BPSK	135	0	22.20			22.7		
100	PIC BPSK	135	68	22.57			22.7		0.0
100	PIC BPSK	135	136	22.57			22.7		0.0
100	PIC BPSK	270	0	22.55			22.7		0.0
100	QPSK	1	1	22.55					
100	QPSK	1	137	22.65			23.2		0.0
100	QPSK	1	271	22.55					
100	QPSK	135	0	22.55			22.2		1.0
100	QPSK	135	68	22.67			23.2		0.0
100	QPSK	135	136	22.55			22.2		1.0
100	QPSK	270	0	22.54			22.2		1.0
100	16QAM	1	1	22.58			20.7		2.5
100	256QAM	1	1	22.65			20.7		2.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	3740.02	3750	3754.98			
90	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	3740.02	3750	3754.98			
80	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	3740.02	3750	3754.98			
70	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	3740.02	3750	3754.98			
60	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	3740.02	3750	3754.98			
50	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	3740.02	3750	3754.98			
40	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	3740.02	3750	3754.98			
30	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	3740.02	3750	3754.98			
25	QPSK	1	1	3741.76	3750	3754.98	23.2		0.0

Part27Q_n78_Ant 10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Turn-up loss [dBm]	MPR [dB]			
Channel											
800000											
100	Frequency (MHz)	1	1	20.60							
100	PIC BPSK	1	137	20.78			21.7	0.0			
100	PIC BPSK	1	271	20.77							
100	PIC BPSK	135	0	20.72			21.7	0.0			
100	PIC BPSK	135	68	20.72			21.7	0.0			
100	PIC BPSK	135	136	20.75			21.7	0.0			
100	PIC BPSK	270	0	20.76			21.7	0.0			
100	QPSK	1	1	20.70							
100	QPSK	1	137	20.74			21.7	0.0			
100	QPSK	1	271	20.72							
100	QPSK	135	0	20.70			21.7	0.0			
100	QPSK	135	68	20.75			21.7	0.0			
100	QPSK	135	136	20.75			21.7	0.0			
100	QPSK	270	0	20.71			21.7	0.0			
100	16QAM	1	1	20.60			21.7	0.0			
100	16QAM	1	1	20.71			21.7	0.0			
100	256QAM	1	1	20.67			20.7	1.0			
Channel											
800000											
90	Frequency (MHz)	1	1	3450	3459.98	3464.98					
90	QPSK	1	1	3452.80	3459.98	3464.98	21.7	0.0			
Channel											
800000											
80	Frequency (MHz)	1	1	3450	3459.98	3464.98					
80	QPSK	1	1	3452.80	3459.98	3464.98	21.7	0.0			
Channel											
800000											
70	Frequency (MHz)	1	1	3450	3459.98	3464.98					
70	QPSK	1	1	3452.80	3459.98	3464.98	21.7	0.0			
Channel											
800000											

Part27O_n78_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Middle Ch. (Frac.)	Power High Ch. (Frac.)	Time-up limit (dBm)
Channel							
Frequency (MHz)							
100	PIC-BPSK	1	1	20.84			
100	PIC-BPSK	1	137	20.88			21.7
100	PIC-BPSK	1	271	20.70			
100	PIC-BPSK	135	0	20.80			21.7
100	PIC-BPSK	135	69	20.80			21.7
100	PIC-BPSK	135	135	20.80			21.7
100	PIC-BPSK	270	0	20.84			21.7
100	QPSK	1	1	20.72			
100	QPSK	1	137	20.80			21.7
100	QPSK	1	271	20.80			
100	QPSK	135	0	20.87			21.7
100	QPSK	135	69	20.81			21.7
100	QPSK	135	135	20.80			21.7
100	QPSK	270	0	20.80			21.7
100	HQAM	1	1	20.80			21.7
100	HQAM	1	1	20.80			21.7
100	25GAM	1	1	19.84			20.7
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.87	20.80	20.80	21.7
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.70	20.70	20.70	21.7
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.57	20.57	20.50	21.7
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.71	20.60	20.50	21.7
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.89	20.89	20.80	21.7
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.87	20.80	20.80	21.7
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.71	20.69	20.50	21.7
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.80	20.84	20.87	21.7

Part27O_n78(HPUE)_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Middle Ch. (Frac.)	Power High Ch. (Frac.)	Time-up limit (dBm)
Channel							
Frequency (MHz)							
100	PIC-BPSK	1	1	22.84			
100	PIC-BPSK	1	137	22.89			23.7
100	PIC-BPSK	1	271	22.50			
100	PIC-BPSK	135	0	22.87			23.7
100	PIC-BPSK	135	69	22.89			23.7
100	PIC-BPSK	135	135	22.87			23.7
100	PIC-BPSK	270	0	22.84			23.7
100	QPSK	1	1	22.60			
100	QPSK	1	137	22.84			23.7
100	QPSK	1	271	22.50			
100	QPSK	135	0	22.87			23.7
100	QPSK	135	69	22.84			23.7
100	QPSK	135	135	22.80			23.7
100	QPSK	270	0	22.80			23.7
100	HQAM	1	1	22.50			23.7
100	HQAM	1	1	22.50			23.7
100	25GAM	1	1	19.36			20.2
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.50	22.50	22.40	23.7
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.40	22.40	22.30	23.7
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.58	22.50	22.47	23.7
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.55	22.58	22.50	23.7
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.56	22.50	22.46	23.7
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.47	22.40	22.39	23.7
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.51	22.50	22.47	23.7
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.51	22.50	22.50	23.7

Reduced Power Mode for EC13

n2_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
20	PUSC	1	1	20.54	20.79	20.83	22.3
20	PUSC	1	53	20.80	20.77	20.77	22.3
20	PUSC	1	104	20.75	20.73	20.70	22.3
20	PUSC	50	0	20.60	20.77	20.79	22.3
20	PUSC	50	26	20.60	20.66	20.79	22.3
20	PUSC	50	56	20.65	20.68	20.77	22.3
20	PUSC	100	0	20.58	20.68	20.82	22.3
20	QPSK	1	1	20.75	20.84	20.83	22.3
20	QPSK	1	53	20.75	20.79	20.78	22.3
20	QPSK	1	104	20.60	20.72	20.82	22.3
20	QPSK	50	0	20.75	20.79	20.72	22.3
20	QPSK	50	26	20.71	20.61	20.79	22.3
20	QPSK	50	56	20.63	20.69	20.72	22.3
20	QPSK	100	0	20.60	20.77	20.72	22.3
20	16QAM	1	1	20.60	20.75	20.72	22.3
20	16QAM	1	1	19.65	19.72	19.63	19.3
20	256QAM	1	1	18.18	18.25	18.11	18.3
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.50	20.79	20.86	22.3
15	QPSK	50	0	20.75	20.79	20.72	22.3
10	QPSK	1	1	20.61	20.78	20.74	22.3
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.72	20.80	20.75	22.3

n2_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
20	PUSC	1	1	22.71	22.80	22.73	23.8
20	PUSC	1	53	22.69	22.73	22.80	23.8
20	PUSC	1	104	22.77	22.78	22.71	23.8
20	PUSC	50	0	22.51	22.22	22.52	23.8
20	PUSC	50	26	22.60	22.73	22.71	23.8
20	PUSC	50	56	22.73	22.26	22.50	23.8
20	PUSC	100	0	22.59	22.23	22.22	23.8
20	QPSK	1	1	22.75	22.81	22.73	23.8
20	QPSK	1	53	22.61	22.75	22.63	23.8
20	QPSK	1	104	22.75	22.76	22.61	23.8
20	QPSK	50	0	22.72	22.74	22.71	23.8
20	QPSK	50	26	22.60	22.72	22.63	23.8
20	QPSK	50	56	22.64	22.70	22.58	23.8
20	QPSK	100	0	22.60	22.75	22.60	23.8
20	16QAM	1	1	21.26	21.50	21.54	23.8
20	16QAM	1	1	20.30	20.14	20.30	23.8
20	256QAM	1	1	18.55	18.68	18.60	19.3
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.67	22.71	22.67	23.8
15	QPSK	50	0	22.60	22.60	22.60	23.8
10	QPSK	1	1	22.75	22.78	22.72	23.8
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.67	22.75	22.68	23.8

n2_Ant 5							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
20	PUSC	1	1	20.52	20.53	20.50	21.8
20	PUSC	1	53	20.50	20.48	20.53	21.8
20	PUSC	1	104	20.50	20.50	20.50	21.8
20	PUSC	50	0	19.38	19.43	19.38	21.8
20	PUSC	50	26	20.50	20.52	20.50	21.8
20	PUSC	50	56	19.39	19.38	19.37	21.8
20	PUSC	100	0	19.34	19.41	19.44	21.8
20	QPSK	1	1	20.51	20.51	20.51	21.8
20	QPSK	1	53	20.45	20.50	20.49	21.8
20	QPSK	1	104	20.50	20.47	20.45	21.8
20	QPSK	50	0	19.37	19.40	19.37	21.8
20	QPSK	50	26	20.47	20.48	20.47	21.8
20	QPSK	50	56	19.37	19.43	19.37	21.8
20	QPSK	100	0	19.38	19.47	19.38	21.8
20	16QAM	1	1	18.31	18.38	18.30	18.3
20	16QAM	1	1	17.74	17.85	17.75	18.3
20	256QAM	1	1	16.33	16.47	16.34	17.3
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.54	20.52	20.50	21.8
15	QPSK	50	0	19.38	19.38	19.38	21.8
10	QPSK	1	1	20.53	20.57	20.48	21.8
Channel							
Frequency (MHz)							
5	QPSK	1	1	20.42	20.46	20.51	21.8

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Mode Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
20	PUSC	1	1	21.82	21.79	21.76	23.0
20	PUSC	1	53	21.79	21.86	21.78	23.0
20	PUSC	1	104	21.74	21.80	21.80	23.0
20	PUSC	50	0	21.75	21.79	21.81	23.0
20	PUSC	50	26	21.76	21.79	21.76	23.0
20	PUSC	50	56	21.72	21.78	21.77	23.0
20	PUSC	100	0	21.68	21.88	21.77	23.0
20	QPSK	1	1	21.76	21.82	21.76	23.0
20	QPSK	1	53	21.76	21.78	21.82	23.0
20	QPSK	1	104	21.80	21.80	21.76	23.0
20	QPSK	50	0	21.75	21.82	21.82	23.0
20	QPSK	50	26	21.76	21.87	21.87	23.0
20	QPSK	50	56	21.63	21.80	21.80	23.0
20	QPSK	100	0	21.68	21.88	21.80	23.0
20	16QAM	1	1	21.70	21.90	21.80	23.0
20	16QAM	1	1	21.23	21.50	21.50	23.0
20	256QAM	1	1	19.40	19.85	19.78	20.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.74	21.80	21.75	23.0
15	QPSK	50	0	21.76	21.80	21.80	23.0
10	QPSK	1	1	21.68	21.79	21.77	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.80	21.87	21.84	23.0

n5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PSSB	1	1	21.54	22.06	22.55		
20	PSSB	1	53	21.87	22.01	21.92	23.5	0.0
20	PSSB	1	104	21.98	22.06	21.90		
20	PSSB	50	0	21.86	22.07	21.93	23.0	0.0
20	PSSB	50	50	21.95	21.98	21.97	23.0	0.0
20	PSSB	50	96	21.95	21.98	21.96	23.0	0.0
20	PSSB	100	0	21.88	22.04	21.96		
20	QPSK	1	1	22.00	22.00	22.00		
20	QPSK	1	53	21.90	22.06	21.98	23.0	0.0
20	QPSK	1	104	21.86	21.98	21.94	23.0	0.0
20	QPSK	50	0	21.95	22.07	21.92	23.0	0.0
20	QPSK	50	50	21.95	22.08	21.98	23.0	0.0
20	QPSK	50	96	21.95	22.06	21.96	23.0	0.0
20	QPSK	100	0	21.90	22.05	21.92	23.0	0.0
20	16QAM	1	1	22.00	21.98	21.97	23.0	0.0
20	16QAM	1	1	22.00	22.00	22.00	23.0	1.5
20	256QAM	1	1	18.83	18.92	18.91	20.0	0.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.98	21.99	21.96	23.0	0.0
15	QPSK	1	1	21.98	21.99	21.99	23.0	0.0
15	QPSK	50	0	21.95	22.07	21.92	23.0	0.0
15	QPSK	1	1	22.00	22.00	22.00		
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.91	22.01	21.96	23.0	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PSSB	1	1	20.30	20.34	20.30		
40	PSSB	1	108	20.22	20.43	20.28	22.0	0.0
40	PSSB	1	214	20.24	20.47	20.36		
40	PSSB	108	0	20.29	20.38	20.24	22.0	0.0
40	PSSB	108	54	20.28	20.42	20.29	22.0	0.0
40	PSSB	108	108	20.19	20.45	20.24	22.0	0.0
40	PSSB	216	0	20.21	20.43	20.34		
40	QPSK	1	1	20.33	20.43			
40	QPSK	1	108	20.30	20.38	20.28	22.0	0.0
40	QPSK	1	214	20.18	20.42	20.30		
40	QPSK	108	0	20.21	20.34	20.21	22.0	0.0
40	QPSK	108	54	20.20	20.47	20.20	22.0	0.0
40	QPSK	108	108	20.16	20.48	20.22	22.0	0.0
40	QPSK	216	0	20.21	20.41	20.23		
40	16QAM	1	1	20.27	20.40	20.34	22.0	0.0
40	16QAM	1	1	20.32	20.43	20.35	22.0	0.0
40	256QAM	1	1	19.12	19.15	19.11	20.0	1.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.23	20.34	20.30	22.0	0.0
30	QPSK	1	1	20.23	20.34	20.30	22.0	0.0
30	QPSK	108	0	20.23	20.34	20.23	22.0	0.0
30	QPSK	1	1	20.23	20.34	20.23	22.0	0.0
Channel								
Frequency (MHz)								
24	QPSK	1	1	20.22	20.38	20.27	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.20	20.48	20.31	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.30	20.48	20.30	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.32	20.48	20.35	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.24	20.35	20.23	22.0	0.0

n7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PSSB	1	1	22.14	22.21	22.15		
40	PSSB	1	118	22.20	22.27	22.07	23.0	0.0
40	PSSB	1	214	22.20	22.31	22.17		
40	PSSB	108	0	22.17	22.25	22.10	23.0	0.0
40	PSSB	108	54	22.12	22.28	22.15	23.0	0.0
40	PSSB	108	108	22.11	22.34	22.15	23.0	0.0
40	PSSB	216	0	22.20	22.21	22.10		
40	QPSK	1	1	22.21	22.33	22.24		
40	QPSK	1	108	22.18	22.25	22.10	23.0	0.0
40	QPSK	1	214	22.02	22.22	22.15		
40	QPSK	108	0	22.19	22.19	22.11	23.0	0.0
40	QPSK	108	54	22.19	22.28	22.10	23.0	0.0
40	QPSK	108	108	22.16	22.18	22.11	23.0	0.0
40	QPSK	216	0	22.19	22.24	22.09	23.0	0.0
40	16QAM	1	1	22.00	22.20	22.00	23.0	0.0
40	16QAM	1	1	22.00	21.95	22.00	23.0	1.5
40	256QAM	1	1	19.59	19.62	19.52	20.0	3.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.19	22.28	22.08	23.0	0.0
30	QPSK	1	1	22.19	22.28	22.10	23.0	0.0
30	QPSK	108	0	22.17	22.27	22.12	23.0	0.0
30	QPSK	1	1	22.17	22.27	22.12	23.0	0.0
Channel								
Frequency (MHz)								
24	QPSK	1	1	22.10	22.16	22.04	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.05	22.16	22.05	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.20	22.25	22.17	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.19	22.28	22.15	23.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.14	22.27	22.08	23.0	0.0

n7_Ant 5

n7_Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Turn-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PSSB	1	1	20.10	20.13	20.12		
40	PSSB	1	118	20.10	20.13	20.12	22.0	0.0
40	PSSB	1	214	20.11	20.13	20.11		
40	PSSB	108	0	20.24	20.34	20.31	23.0	0.0
40	PSSB	108	54	20.17	20.18	20.03	23.0	0.0
40	PSSB	108	108	20.23	20.26	20.19	23.0	0.0
40	PSSB	216	0	20.14	20.29	20.27	23.0	0.0
40	QPSK	1	1	20.10	20.10	20.10		
40	QPSK	1	108	20.06	20.10	20.08	22.0	0.0
40	QPSK	1	214	20.11	20.12	20.00		
40	QPSK	108	0	20.17	20.02	20.10	23.0	1.0
40	QPSK	108	54	20.04	20.10	20.00	22.0	0.0
40	QPSK	108	108	19.06	19.12	19.00	21.0	1.0
40	QPSK	216	0	19.12	19.17	19.10		
40	16QAM	1	1	19.40	19.40	19.40	21.0	1.0
40	256QAM	1	1	18.10	18.12	18.00	17.0	4.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.02	20.10	20.10	22.0	0.0
30	QPSK	1	1	20.02	20.10	20.10	22.0	0.0
30	QPSK	108	0	20.12	20.10	20.03	23.0	0.0
30	QPSK	1	1	20.10	20.10	20.10	23.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.08	20.07	20.09	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.02	20.14	20.05	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.04	20.10	20.05	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.01	20.01	20.10	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.01	20.00	20.10	22.0	0.0

n12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Modula Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)	MPE (dB)	
Channel									
				141500	141500	141500			
Frequency (MHz)				141500	141500	141500			
15	PUSC	1	1	22.5	22.5	22.5	23.5	0.0	
15	PUSC	1	40	22.87	22.92	22.91			
15	PUSC	1	77	23.21	23.26	23.23			
15	PUSC	36	0	22.43	22.45	22.42			
15	PUSC	36	22	22.92	22.95	22.92			
15	PUSC	36	40	23.35	23.40	23.37	23.5	0.0	
15	PUSC	75	0	22.42	22.46	22.38			
15	QPSK	1	1	22.50	22.50	22.50			
15	QPSK	1	40	22.90	22.94	22.85			
15	QPSK	1	77	23.05	23.06	23.06			
15	QPSK	36	0	21.95	21.93	21.95	23.5	0.0	
15	QPSK	36	22	21.95	22.07	22.01			
15	QPSK	36	40	21.79	21.91	21.82			
15	QPSK	75	0	21.88	21.95	21.88			
15	16QAM	1	1	21.95	21.95	21.95			
15	16QAM	1	1	21.75	21.75	21.75	23.5	0.0	
25GAM	1	1	1	18.73	18.81	18.79			
Channel				1873	1873	1873			
Frequency (MHz)				1873	1873	1873			
15	QPSK	1	1	22.85	22.90	22.88	23.5	0.0	
Channel				141500 <td>141500<td>141500</td><td colspan="3"></td></td>	141500 <td>141500</td> <td colspan="3"></td>	141500			
Frequency (MHz)				141500 <td>141500<td>141500</td><td colspan="3"></td></td>	141500 <td>141500</td> <td colspan="3"></td>	141500			
5	QPSK	1	1	22.5	22.5	22.5	23.5	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Modula Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)	MPE (dB)	
Channel									
				141500	141500	141500			
Frequency (MHz)				141500	141500	141500			
15	PUSC	1	1	22.5	22.5	22.5	22.8	0.0	
15	PUSC	1	40	22.13	22.23	22.14			
15	PUSC	1	77	22.09	22.15	22.07			
15	PUSC	36	0	21.69	21.78	21.65			
15	PUSC	36	22	22.20	22.26	22.22			
15	PUSC	36	40	21.71	21.74	21.65	22.9	0.0	
15	PUSC	75	0	21.62	21.77	21.73			
15	QPSK	1	1	22.05	22.05	22.05			
15	QPSK	1	40	22.17	22.24	22.12			
15	QPSK	1	77	22.05	22.12	21.97			
15	QPSK	36	0	21.71	21.76	21.70	22.9	0.0	
15	QPSK	36	22	22.19	22.25	22.10			
15	QPSK	36	40	21.12	21.23	21.20			
15	QPSK	75	0	21.19	21.26	21.20			
15	16QAM	1	1	20.94	20.99	20.95			
15	16QAM	1	1	19.99	19.94	19.95	19.5	0.5	
25GAM	1	1	1	17.69	18.12	18.05			
Channel				141500	141500	141500			
Frequency (MHz)				141500	141500	141500			
15	QPSK	1	1	22.10	22.18	22.13	22.8	0.0	
Channel				141500	141500	141500			
Frequency (MHz)				141500	141500	141500			
5	QPSK	1	1	22.5	22.5	22.5	22.8	0.0	

n26_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Channel	Power Modula Channel	Power High Channel	Turn-up time (dBm)	MPE (dB)	
Channel									
				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
20	PUSC	1	1	21.12	21.15	21.11	23.0	0.0	
20	PUSC	1	53	21.84	21.83	21.78			
20	PUSC	1	104	21.79	21.80	21.73			
20	PUSC	50	0	21.76	21.97	21.73			
20	PUSC	50	28	21.73	21.89	21.79			
20	PUSC	50	56	21.76	21.87	21.71	23.0	0.0	
20	PUSC	100	0	21.83	21.87	21.72			
20	QPSK	1	1	21.78	21.80	21.74			
20	QPSK	1	53	21.74	21.83	21.82			
20	QPSK	1	104	21.92	21.97	21.75			
20	QPSK	50	0	21.70	21.75	21.75	23.0	0.0	
20	QPSK	50	28	21.69	21.93	21.69			
20	QPSK	50	56	21.71	21.84	21.73			
20	QPSK	100	0	21.75	21.88	21.79			
20	16QAM	1	1	21.81	21.86	21.75			
20	16QAM	1	1	21.98	21.99	21.95	23.5	0.5	
25GAM	1	1	1	19.69	19.83	19.69			
Channel				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
15	QPSK	1	1	21.71	21.80	21.81	23.0	0.0	
Channel				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
5	QPSK	1	1	21.5	21.5	21.5	23.0	0.0	
Channel				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
5	QPSK	1	1	21.87	21.84	21.82	23.0	0.0	
Channel				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			

n26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low 164800	Power Modula 164800	Power High 164800	Turn-up time (dBm)	MPE (dB)	
Channel									
				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
20	PUSC	1	1	21.85	22.03	21.86	23.5	0.0	
20	PUSC	1	53	21.81	22.00	22.03			
20	PUSC	1	104	21.77	22.02	22.08			
20	PUSC	50	0	21.86	21.98	22.08			
20	PUSC	50	28	21.92	22.02	22.06			
20	PUSC	50	56	21.85	21.95	22.05	23.5	0.0	
20	PUSC	100	0	21.81	22.10	21.99			
20	QPSK	1	1	21.71	22.13	22.11			
20	QPSK	1	53	21.85	22.04	22.02			
20	QPSK	1	104	21.77	22.07	22.06			
20	QPSK	50	0	21.75	22.02	21.99	23.5	0.0	
20	QPSK	50	28	21.69	22.07	22.06			
20	QPSK	50	56	21.87	21.95	21.85			
20	QPSK	100	0	21.91	21.98	21.99			
20	16QAM	1	1	21.75	21.76	21.71			
20	256QAM	1	1	20.91	20.95	20.91	23.0	0.5	
Channel				18.43	18.93	18.69			
				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
15	QPSK	1	1	21.79	22.10	22.10	23.5	0.0	
Channel				164800	164800	164800			
Frequency (MHz)				164800	164800	164800			
10	QPSK	1	1	21.9	21.9	21.9	23.5	0.0	
5	QPSK	1	1	21.9	21.9	21.9	23.5	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Media Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]				1720	1745	1760			
40	PLV BPSK	1	1	21.29	21.48	21.58			
40	PLV BPSK	1	108	21.27	21.38	21.28	23.0	0.0	
40	PLV BPSK	1	214	21.30	21.30	21.28			
40	PLV BPSK	108	0	21.38	21.43	21.30	23.0	0.0	
40	PLV BPSK	108	54	21.30	21.41	21.28	23.0	0.0	
40	PLV BPSK	108	108	21.29	21.40	21.30	23.0	0.0	
40	PLV BPSK	216	0	21.34	21.38	21.37			
40	QPSK	1	1	21.21	21.31	21.30			
40	QPSK	1	108	21.31	21.47	21.30	23.0	0.0	
40	QPSK	1	214	21.30	21.48	21.28			
40	QPSK	108	0	21.38	21.41	21.30	23.0	0.0	
40	QPSK	108	54	21.30	21.47	21.28	23.0	0.0	
40	QPSK	108	108	21.28	21.48	21.30	23.0	0.0	
40	QPSK	216	0	21.39	21.42	21.31			
40	16QAM	1	1	21.40	21.39	21.28	23.0	0.0	
40	16QAM	1	1	20.18	20.84	20.18	22.5	0.5	
40	256QAM	1	1	19.30	19.42	19.34	20.5	2.5	
Channel				345000	349000	353000			MFR
Frequency [MHz]				346000	349000	352000			
30	QPSK	1	1	21.38	21.38	21.28	23.0	0.0	
Channel				346000	349000	352000			MFR
Frequency [MHz]				1745	1760	1775			
20	QPSK	1	1	21.40	21.40	21.30	23.0	0.0	
Channel				1711.5	1745	1777.5			MFR
Frequency [MHz]				1711.5	1745	1777.5			
15	QPSK	1	1	21.30	21.40	21.25	23.0	0.0	
Channel				1711.5	1745	1777.5			MFR
Frequency [MHz]				1711.5	1745	1777.5			
10	QPSK	1	1	21.40	21.42	21.28	23.0	0.0	
Channel				343000	349000	355000			MFR
Frequency [MHz]				343000	349000	355000			
5	QPSK	1	1	21.36	21.44	21.37	23.0	0.0	

n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Media Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]				1715	1745	1765			
40	PLV BPSK	1	1	22.28	22.30	22.25			
40	PLV BPSK	108		22.27	22.27	22.18	23.5	0.0	
40	PLV BPSK	1	214	22.18	22.31	22.21			
40	PLV BPSK	108	0	22.22	22.32	22.28	23.5	0.0	
40	PLV BPSK	108	54	22.17	22.22	22.30	23.5	0.0	
40	PLV BPSK	108	108	22.27	22.28	22.28	23.5	0.0	
40	PLV BPSK	216	0	22.29	22.34	22.31			
40	QPSK	1	1	22.18	22.30	22.20			
40	QPSK	1	108	22.29	22.28	22.18	23.5	0.0	
40	QPSK	1	214	22.19	22.30	22.20			
40	QPSK	108	0	22.21	22.28	22.21	23.5	0.0	
40	QPSK	108	54	22.21	22.34	22.18	23.5	0.0	
40	QPSK	108	108	22.18	22.28	22.18	23.5	0.0	
40	QPSK	216	0	22.18	22.30	22.27			
40	16QAM	1	1	22.28	22.22	22.28	23.5	0.0	
40	16QAM	1	1	21.07	21.14	21.02	22.5	1.0	
40	256QAM	1	1	19.49	19.78	19.64	20.5	3.0	
Channel									
Frequency [MHz]				1725	1745	1765			
30	QPSK	1	1	22.28	22.30	22.22	23.5	0.0	
Channel									
Frequency [MHz]				347000	349000	351000			
20	QPSK	1	1	22.23	22.23	22.21	23.5	0.0	
Channel									
Frequency [MHz]				345000	349000	353000			
15	QPSK	1	1	22.15	22.28	22.18	23.5	0.0	
Channel									
Frequency [MHz]				345000	349000	353000			
10	QPSK	1	1	22.28	22.21	22.20	23.5	0.0	
Channel									
Frequency [MHz]				1711.5	1745	1777.5			
5	QPSK	1	1	22.19	22.23	22.17	23.5	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Media Ch. [Frac.]	Power Media Ch. [Frac.]	Power High Ch. [Frac.]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]				347000	349000	351000			
40	PLV BPSK	1	1	21.18	21.17	21.18			
40	PLV BPSK	1	108	21.81	21.85	21.54	23.5	0.0	
40	PLV BPSK	1	214	21.82	21.74	21.88			
40	PLV BPSK	108	0	21.80	21.14	21.83	23.0	0.0	
40	PLV BPSK	108	54	21.85	21.88	21.80	23.0	0.0	
40	PLV BPSK	108	108	21.88	21.12	21.82	23.0	0.0	
40	PLV BPSK	216	0	21.87	21.14	21.11			
40	QPSK	1	1	21.80	21.88	21.88			
40	QPSK	1	108	21.58	21.60	21.53	23.5	0.0	
40	QPSK	1	214	21.58	21.72	21.70			
40	QPSK	108	0	21.58	21.63	21.62	23.5	1.0	
40	QPSK	108	54	21.52	21.68	21.64	23.5	0.0	
40	QPSK	108	108	21.57	20.71	21.70	22.5	1.0	
40	QPSK	216	0	20.88	20.72	20.58			
40	16QAM	1	1	20.52	20.55	20.52	22.5	1.0	
40	16QAM	1	1	19.07	19.25	19.13	21.0	2.5	
40	256QAM	1	1	17.75	17.78	17.78	19.0	4.0	
Channel									
Frequency [MHz]				345000	349000	353000			
30	QPSK	1	1	21.74	21.81	21.68	23.5	0.0	
Channel									
Frequency [MHz]				347000	349000	351000			
20	QPSK	1	1	21.80	21.82	21.74	23.5	0.0	
Channel									
Frequency [MHz]				345000	349000	353000			
15	QPSK	1	1	21.15	21.60	21.24	23.5	0.0	
Channel									
Frequency [MHz]				345000	349000	353000			
10	QPSK	1	1	21.88	21.80	21.78	23.5	0.0	
Channel									
Frequency [MHz]				1711.5	1745	1777.5			
5	QPSK	1	1	21.75	21.78	21.67	23.5	0.0	

n38_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med Ch. Freq.	Power High Ch. Freq.	Time up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				31800.0	31800.0	31800.0			
40	PSSB-SK	1	1	20.40	20.48	20.42	22.0	0.0	
40	PSSB-SK	1	53	20.34	20.50	20.43			
40	PSSB-SK	1	104	20.43	20.53	20.48			
40	PSSB-SK	50	0	20.40	20.42	20.38	22.0	0.0	
40	PSSB-SK	50	38	20.33	20.41	20.30	22.0	0.0	
40	PSSB-SK	50	56	20.30	20.41	20.30	22.0	0.0	
40	PSSB-SK	100	0	20.43	20.53	20.37	22.0	0.0	
40	QPSK	1	1	20.41	20.54	20.45			
40	QPSK	1	53	20.42	20.45	20.38			
40	QPSK	1	104	20.33	20.47	20.30	22.0	0.0	
40	QPSK	50	0	20.40	20.44	20.36	22.0	0.0	
40	QPSK	50	38	20.40	20.46	20.37	22.0	0.0	
40	QPSK	50	56	20.36	20.35	20.29	21.0	0.0	
40	QPSK	100	0	20.41	20.42	20.33	22.0	0.0	
40	SSB-AM	1	1	20.31	20.50	20.30	22.0	0.0	
40	SSB-AM	1	1	20.41	20.40	20.42	22.0	0.0	
40	SSB-AM	1	1	19.32	19.37	19.32	20.0	1.5	
Channel				31810.1	31810.1	31810.1			
Frequency (MHz)				31810.1	31810.1	31810.1			
30	QPSK	1	1	20.33	20.48	20.42	22.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31800.0	31800.0	31800.0			
20	QPSK	1	1	20.36	20.40	20.43	22.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31800.0	31800.0	31800.0			
10	QPSK	1	1	20.44	20.41	20.30	22.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31800.0	31800.0	31800.0			
10	QPSK	1	1	20.40	20.51	20.35	22.0	0.0	

n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Med Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				31800.0	31800.0	31800.0			
40	PSSB-SK	1	1	22.16	22.40	22.38	23.0	0.0	
40	PSSB-SK	1	53	22.16	22.41	22.30			
40	PSSB-SK	1	104	22.19	22.39	22.30			
40	PSSB-SK	50	0	22.21	22.33	22.30	23.0	0.0	
40	PSSB-SK	50	38	22.14	22.30	22.20	23.0	0.0	
40	PSSB-SK	50	56	22.18	22.38	22.24	23.0	0.0	
40	PSSB-SK	100	0	22.16	22.28	22.30	23.0	0.0	
40	QPSK	1	1	22.01	22.43	22.30			
40	QPSK	1	53	22.09	22.28	22.34			
40	QPSK	1	104	22.17	22.42	22.30	23.0	0.0	
40	QPSK	50	0	22.21	22.25	22.10	23.0	0.0	
40	QPSK	50	38	22.20	22.38	22.30	23.0	0.0	
40	QPSK	50	56	22.08	22.22	22.31	24.0	0.0	
40	QPSK	100	0	22.16	22.31	22.20	23.0	0.0	
40	SSB-AM	1	1	22.20	22.42	22.30	23.0	0.0	
40	SSB-AM	1	1	21.08	21.15	21.14	20.0	1.0	
40	SSB-AM	1	1	19.04	19.11	19.04	20.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31810.1	31810.1	31810.1			
30	QPSK	1	1	22.23	22.30	22.30	23.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31800.0	31800.0	31800.0			
20	QPSK	1	1	22.10	22.37	22.30	23.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31800.0	31800.0	31800.0			
10	QPSK	1	1	22.29	22.38	22.37	23.0	0.0	
Channel				31800.0	31800.0	31800.0			
Frequency (MHz)				31800.0	31800.0	31800.0			
10	QPSK	1	1	22.11	22.42	22.30	23.0	0.0	

n38_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. Freq. [MHz]	Power Med Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Time-up limit [dBm]	MPE [dB]	
Channel									
Frequency [MHz]				31810.1	31810.1	31810.1			
40	PSSB-SK	1	1	20.37	20.88	20.09	22.0	0.0	
40	PSSB-SK	1	53	20.44	20.58	20.52			
40	PSSB-SK	1	104	20.45	20.50	20.40			
40	PSSB-SK	50	0	20.03	20.04	19.05	21.0	0.0	
40	PSSB-SK	50	38	20.30	20.40	20.40	21.0	0.0	
40	PSSB-SK	50	56	19.84	19.92	19.78	21.0	0.0	
40	PSSB-SK	100	0	19.80	19.87	19.80	22.0	0.0	
40	QPSK	1	1	20.00	20.00	20.00			
40	QPSK	1	53	20.38	20.41	20.30			
40	QPSK	1	104	20.30	20.40	20.30	22.0	0.0	
40	QPSK	50	0	19.40	19.50	19.49	21.0	1.0	
40	QPSK	50	38	20.37	20.40	20.34	22.0	0.0	
40	QPSK	50	56	19.34	19.38	19.30	20.0	1.0	
40	QPSK	100	0	19.38	19.43	19.38	21.0	1.0	
40	SSB-AM	1	1	18.25	18.38	18.24	21.0	1.0	
40	SSB-AM	1	1	17.82	17.84	17.80	19.0	2.0	
40	SSB-AM	1	1	16.47	16.48	16.30	17.0	4.0	
Channel									
Frequency [MHz]				31810.1	31810.1	31810.1			
30	QPSK	1	1	20.47	20.53	20.54	22.0	0.0	
Channel									
Frequency [MHz]				31800.0	31800.0	31800.0			
20	QPSK	1	1	20.37	20.40	20.43	22.0	0.0	
Channel									
Frequency [MHz]				31800.0	31800.0	31800.0			
10	QPSK	1	1	20.58	20.53	20.49	22.0	0.0	
Channel									
Frequency [MHz]				31800.0	31800.0	31800.0			
10	QPSK	1	1	20.51	20.48	20.53	22.0	0.0	

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102 BPSK	1	1	20.65	20.78	20.71			
100	P102 BPSK	1	137	20.63	20.78	20.59	22.2	0.0	
100	P102 BPSK	1	271	20.59	20.75	20.71			
100	P102 BPSK	155	5	20.64	20.72	20.73	22.2	0.0	
100	P102 BPSK	155	86	20.65	20.65	20.65	22.2	0.0	
100	P102 BPSK	155	158	20.64	20.78	20.73	22.2	0.0	
100	P102 BPSK	270	0	20.63	20.73	20.72			
100	QPSK	1	1	20.63	20.78	20.71			
100	QPSK	1	137	20.55	20.77	20.59	22.2	0.0	
100	QPSK	1	271	20.59	20.65	20.67			
100	QPSK	155	5	20.64	20.68	20.65	22.2	0.0	
100	QPSK	155	86	20.63	20.74	20.65	22.2	0.0	
100	QPSK	155	158	20.59	20.65	20.73	22.2	0.0	
100	QPSK	270	0	20.62	20.69	20.65	22.2	0.0	
100	16QAM	1	1	20.63	20.73	20.64	22.2	0.0	
100	16QAM	1	1	20.64	20.68	20.65	22.2	0.0	
100	256QAM	1	1	20.58	20.74	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.63	20.68	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.58	20.64	20.71	22.2	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.64	20.69	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.59	20.75	20.68	22.2	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.64	20.73	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.58	20.64	20.70	22.2	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.65	20.68	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.54	20.78	20.72	22.2	0.0	

n41(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102 BPSK	1	1	20.65	20.78	20.71			
100	P102 BPSK	1	137	20.63	20.78	20.59	22.2	0.0	
100	P102 BPSK	1	271	20.59	20.75	20.71			
100	P102 BPSK	155	5	20.64	20.72	20.73	22.2	0.0	
100	P102 BPSK	155	86	20.65	20.65	20.65	22.2	0.0	
100	P102 BPSK	155	158	20.64	20.78	20.73	22.2	0.0	
100	P102 BPSK	270	0	20.63	20.73	20.72			
100	QPSK	1	1	20.63	20.78	20.71			
100	QPSK	1	137	20.55	20.77	20.59	22.2	0.0	
100	QPSK	1	271	20.59	20.65	20.67			
100	QPSK	155	5	20.64	20.68	20.65	22.2	0.0	
100	QPSK	155	86	20.63	20.74	20.65	22.2	0.0	
100	QPSK	155	158	20.59	20.65	20.73	22.2	0.0	
100	QPSK	270	0	20.62	20.69	20.65	22.2	0.0	
100	16QAM	1	1	20.63	20.73	20.64	22.2	0.0	
100	16QAM	1	1	20.64	20.68	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.59	20.68	20.68	22.2	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.58	20.64	20.71	22.2	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.64	20.69	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.59	20.75	20.68	22.2	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.64	20.73	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.58	20.64	20.70	22.2	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.65	20.68	20.65	22.2	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.54	20.78	20.72	22.2	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (min)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102 BPSK	1	1	22.69	22.71	22.69			
100	P102 BPSK	1	137	22.73	22.80	22.77	23.7		
100	P102 BPSK	1	271	22.82	22.73	22.89			
100	P102 BPSK	155	5	22.84	22.72	22.84	23.7		0.0
100	P102 BPSK	155	86	22.79	22.77	22.75	23.7		0.0
100	QPSK	1	1	22.74	22.82	22.75			
100	QPSK	1	137	22.82	22.87	22.71	23.7		0.0
100	QPSK	1	271	22.81	22.74	22.87			
100	QPSK	155	5	22.87	22.79	22.83	23.7		0.0
100	QPSK	155	86	22.82	22.78	22.83	23.7		0.0
100	QPSK	270	0	22.84	22.73	22.79	23.7		0.0
100	16QAM	1	1	22.83	22.76	22.76	23.7		0.0
100	16QAM	1	1	22.86	22.76	22.76	23.7		0.0
100	256QAM	1	1	22.86	22.76	22.76	23.7		0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.84	22.72	22.73	23.7		0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.89	22.68	22.87	23.7		0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.72	22.77	22.76	23.7		0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.87	22.74	22.86	23.7		0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.80	22.78	22.82	23.7		0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.87	22.81	22.72	23.7		0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.88	22.76	22.76	23.7		0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.80	22.78	22.87	23.7		0.0

n41(HPUE)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Time-up limit (min)	MFR (dB)	

Part270 n77_Ant 7							
RF [MHz]	Modulation	RF Side	RF Offset	Frequency Low [MHz]	Frequency High [MHz]	Channel Width [MHz]	Power up [dBm] (dBm)
100	PSK25QPSK	1	1	17.45	17.48	17.27	0.0
100	PSK25QPSK	1	1	17.47	17.55	17.28	10.0
100	PSK25QPSK	1	271	17.46	17.51	17.28	0.0
100	PSK25QPSK	1	272	17.47	17.51	17.28	0.0
100	PSK25QPSK	150	80	17.48	17.56	17.32	0.0
100	PSK25QPSK	150	81	17.49	17.56	17.32	0.0
100	PSK25QPSK	250	100	17.48	17.56	17.32	0.0
100	QPSK16	1	1	17.53	17.53	17.32	0.0
100	QPSK16	1	1	17.55	17.59	17.28	0.0
100	QPSK16	1	271	17.46	17.51	17.28	0.0
100	QPSK16	1	272	17.47	17.51	17.28	0.0
100	QPSK16	150	80	17.50	17.48	17.31	0.0
100	QPSK16	150	81	17.51	17.48	17.31	0.0
100	QPSK16	150	150	17.51	17.48	17.24	0.0
100	QPSK16	250	100	17.51	17.48	17.24	0.0
100	MSQAM16	1	1	17.49	17.58	17.25	0.0
100	MSQAM16	1	1	17.49	17.58	17.25	0.0
100	MSQAM16	150	80	17.49	17.58	17.25	0.0
100	MSQAM16	150	81	17.49	17.58	17.25	0.0
100	MSQAM16	250	100	17.49	17.58	17.25	0.0
100	QPSK16	1	1	17.53	17.53	17.32	0.0
100	QPSK16	1	1	17.55	17.59	17.28	0.0
100	QPSK16	1	271	17.46	17.51	17.28	0.0
100	QPSK16	1	272	17.47	17.51	17.28	0.0
100	QPSK16	150	80	17.50	17.48	17.31	0.0
100	QPSK16	150	81	17.51	17.48	17.31	0.0
100	QPSK16	150	150	17.51	17.48	17.24	0.0
100	QPSK16	250	100	17.51	17.48	17.24	0.0
100	MSQAM16	1	1	17.49	17.58	17.25	0.0
100	MSQAM16	1	1	17.49	17.58	17.25	0.0
100	MSQAM16	150	80	17.49	17.58	17.25	0.0
100	MSQAM16	150	81	17.49	17.58	17.25	0.0
100	MSQAM16	250	100	17.49	17.58	17.25	0.0
100	QPSK16	1	1	17.53	17.53	17.32	0.0
100	QPSK16	1	1	17.55	17.59	17.28	0.0
100	QPSK16	1	271	17.46	17.51	17.28	0.0
100	QPSK16	1	272	17.47	17.51	17.28	0.0
100	QPSK16	150	80	17.50	17.48	17.31	0.0
100	QPSK16	150	81	17.51	17.48	17.31	0.0
100	QPSK16	150	150	17.51	17.48	17.24	0.0
100	QPSK16	250	100	17.51	17.48	17.24	0.0
100	MSQAM16	1	1	17.49	17.58	17.25	0.0
100	MSQAM16	1	1	17.49	17.58	17.25	0.0
100	MSQAM16	150	80	17.49	17.58	17.25	0.0
100	MSQAM16	150	81	17.49	17.58	17.25	0.0
100	MSQAM16	250	100	17.49	17.58	17.25	0.0
100	QPSK16	1	1				

Part27Q_n77_Ant 6							
Ref ID#	Insulation	Ref Size	Ref Offset	Power Loss mWatts	Power dBSm	Power High dBm	Power High dBm/Hz
Channel							
Frequency (MHz)							
100	PI0 BWR	1	17.18	16.88	16.88	16.88	
100	PI0 BWR	1	17.18	17.28	16.81	17.7	0.0
100	PI0 BWR	1	27.1	17.31	16.85		
100	PI0 BWR	155	9	17.28	16.81	17.7	0.0
100	PI0 BWR	155	98	17.18	17.42	16.81	17.7
100	PI0 BWR	275	6	17.28	17.38	16.87	17.7
100	QP0K	1	1	17.21	17.46	16.81	
100	QP0K	1	139	17.27	17.41	16.85	
100	QP0K	1	271	17.29	17.41	16.85	
100	QP0K	155	8	17.23	17.31	16.78	17.7
100	QP0K	155	98	17.23	17.41	16.77	17.7
100	QP0K	155	138	17.12	17.31	16.89	17.7
100	QP0K	155	139	17.16	17.31	16.89	17.7
100	IS0AM	1	1	17.26	17.40	16.79	17.7
100	IS0AM	1	139	17.46	16.88	16.81	17.7
100	IS0AM	1	271	17.46	16.88	16.81	17.7
Channel							
Frequency (MHz)							
50	QP0K	1	1	16.8888	16.9000	16.9232	Power high dBm/Hz
50	QP0K	1	139	17.28	16.85	16.78	17.7
50	QP0K	1	271	17.28	16.85	16.78	17.7
50	QP0K	1	139	17.28	16.85	16.78	17.7
50	QP0K	1	271	17.48	16.88	16.78	0.0
50	QP0K	1	139	16.9400	16.9500	16.9600	Power high dBm/Hz
50	QP0K	1	271	16.9400	16.9500	16.9600	Power high dBm/Hz
50	QP0K	1	1	17.30	17.37	16.78	17.7
50	QP0K	1	139	17.37	16.78	17.7	0.0
50	QP0K	1	271	17.37	16.78	17.7	0.0
50	QP0K	1	1	17.39	16.78	17.7	0.0
50	QP0K	1	139	17.39	16.78	17.7	0.0
50	QP0K	1	271	17.39	16.78	17.7	0.0
50	QP0K	1	1	17.41	16.78	17.7	0.0
50	QP0K	1	139	17.41	16.78	17.7	0.0
50	QP0K	1	271	17.41	16.78	17.7	0.0
50	QP0K	1	1	17.42	16.78	17.7	0.0
50	QP0K	1	139	17.42	16.78	17.7	0.0
50	QP0K	1	271	17.42	16.78	17.7	0.0
50	QP0K	1	1	17.43	16.78	17.7	0.0
50	QP0K	1	139	17.43	16.78	17.7	0.0
50	QP0K	1	271	17.43	16.78	17.7	0.0
50	QP0K	1	1	17.44	16.78	17.7	0.0
50	QP0K	1	139	17.44	16.78	17.7	0.0
50	QP0K	1	271	17.44	16.78	17.7	0.0
50	QP0K	1	1	17.45	16.78	17.7	0.0
50	QP0K	1	139	17.45	16.78	17.7	0.0
50	QP0K	1	271	17.45	16.78	17.7	0.0
50	QP0K	1	1	17.46	16.78	17.7	0.0
50	QP0K	1	139	17.46	16.78	17.7	0.0
50	QP0K	1	271	17.46	16.78	17.7	0.0
50	QP0K	1					

Part27O_n78_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	MPE (dB)
Channel							
Frequency (MHz)							
100	PSS-BPSK	1	1	10.90			
100	PSS-BPSK	1	137	10.89			18.2
100	PSS-BPSK	1	271	17.01			18.2
100	PSS-BPSK	135	5	10.90			18.2
100	PSS-BPSK	135	89	10.90			18.2
100	PSS-BPSK	135	138	10.90			18.2
100	PSS-BPSK	270	0	10.90			18.2
100	QPSK	1	1	17.01			18.2
100	QPSK	1	137	17.00			18.2
100	QPSK	1	271	10.90			18.2
100	QPSK	135	5	10.90			18.2
100	QPSK	135	89	10.90			18.2
100	QPSK	135	138	17.01			18.2
100	QPSK	270	0	17.00			18.2
100	SSB-AM	1	1	10.90			18.2
100	SSB-AM	1	1	10.90			18.2
100	SSB-AM	1	1	10.90			18.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.00	10.90	17.00	18.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
70	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
60	QPSK	1	1	17.00	10.90	10.90	18.2
Channel							
Frequency (MHz)							
50	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	10.90	17.00	17.00	18.2

Part27O_n78(HPUE)_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Level Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	MPE (dB)
Channel							
Frequency (MHz)							
100	PSS-BPSK	1	1	10.90			
100	PSS-BPSK	1	137	10.89			18.2
100	PSS-BPSK	1	271	17.01			18.2
100	PSS-BPSK	135	5	10.90			18.2
100	PSS-BPSK	135	89	10.90			18.2
100	PSS-BPSK	135	138	10.90			18.2
100	PSS-BPSK	270	0	10.90			18.2
100	QPSK	1	1	17.01			18.2
100	QPSK	1	137	17.00			18.2
100	QPSK	1	271	10.90			18.2
100	QPSK	135	5	10.90			18.2
100	QPSK	135	89	17.01			18.2
100	QPSK	135	138	17.00			18.2
100	QPSK	270	0	10.90			18.2
100	SSB-AM	1	1	10.90			18.2
100	SSB-AM	1	1	10.90			18.2
100	SSB-AM	1	1	10.90			18.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	17.00	10.90	17.00	18.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
70	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
60	QPSK	1	1	17.00	10.90	10.90	18.2
Channel							
Frequency (MHz)							
50	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	10.90	17.00	17.00	18.2
Channel							
Frequency (MHz)							
20	QPSK	1	1	10.90	17.00	17.00	18.2

Reduced Power Mode for ECI5

n2_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Mode Ch. F (W)	Power High Ch. F (W)	Turn-up time (dBm)	MAPS (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	22.25	22.32	22.18	23.8	0.0
20	PI2 BPSK	1	53	22.25	22.27	22.18	23.8	0.0
20	PI2 BPSK	1	104	22.15	22.20	22.21	23.9	0.5
20	PI2 BPSK	50	0	21.78	21.81	21.79	23.9	0.5
20	PI2 BPSK	50	28	22.24	22.26	22.20	23.8	0.0
20	PI2 BPSK	50	96	21.82	21.75	21.82	23.9	0.5
20	PI2 BPSK	100	0	21.78	21.79	21.78	23.9	0.5
20	QPSK	1	1	22.25	22.28	22.24	23.8	0.0
20	QPSK	1	53	22.27	22.32	22.31	23.8	0.0
20	QPSK	1	104	22.21	22.26	22.12	23.8	1.0
20	QPSK	50	0	21.78	21.77	21.75	23.8	1.0
20	QPSK	50	28	22.18	22.27	22.21	23.8	0.0
20	QPSK	50	96	21.78	21.27	21.22	23.8	1.0
20	QPSK	100	0	21.28	21.26	21.25	23.8	1.0
20	16QAM	1	1	22.05	21.70	21.31	23.8	1.0
20	16QAM	1	1	19.65	19.72	19.63	23.1	1.5
20	256QAM	1	1	18.18	18.26	18.11	19.3	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.32	22.25	22.20	23.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.31	22.28	22.22	23.8	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.25	22.37	22.35	23.8	0.0

n2_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Mode Ch. F (W)	Power High Ch. F (W)	Turn-up time (dBm)	MAPS (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	18.73	18.76	18.63	19.8	0.0
20	PI2 BPSK	1	53	18.67	18.74	18.63	19.8	0.0
20	PI2 BPSK	1	104	18.69	18.71	18.58	19.8	0.0
20	PI2 BPSK	50	0	18.69	18.75	18.55	19.8	0.0
20	PI2 BPSK	50	28	18.73	18.70	18.58	19.8	0.0
20	PI2 BPSK	50	96	18.64	18.76	18.65	19.8	0.0
20	PI2 BPSK	100	0	18.69	18.68	18.65	19.8	0.0
20	QPSK	1	1	18.74	18.75	18.55	19.8	0.0
20	QPSK	1	53	18.68	18.70	18.58	19.8	0.0
20	QPSK	1	104	18.76	18.63	18.60	19.8	0.0
20	QPSK	50	0	18.61	18.67	18.57	19.8	0.0
20	QPSK	50	28	18.69	18.75	18.61	19.8	0.0
20	QPSK	50	96	18.67	18.73	18.58	19.8	0.0
20	QPSK	100	0	18.69	18.72	18.61	19.8	0.0
20	16QAM	1	1	18.76	18.74	18.67	19.8	0.0
20	16QAM	1	1	18.65	18.63	18.65	19.8	0.0
20	256QAM	1	1	18.55	18.68	18.60	19.3	0.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.48	18.77	18.58	19.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.61	18.78	18.62	19.8	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	18.64	18.70	18.63	19.8	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Mode Ch. F (W)	Power High Ch. F (W)	Turn-up time (dBm)	MAPS (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	19.57	19.53	19.42	20.8	0.0
20	PI2 BPSK	1	53	19.49	19.59	19.43	20.8	0.0
20	PI2 BPSK	1	104	19.58	19.62	19.51	20.8	0.0
20	PI2 BPSK	50	0	19.46	19.53	19.50	20.8	0.0
20	PI2 BPSK	50	28	19.47	19.63	19.43	20.8	0.0
20	PI2 BPSK	50	96	19.50	19.61	19.51	20.8	0.0
20	PI2 BPSK	100	0	19.59	19.53	19.53	20.8	0.0
20	QPSK	1	1	19.51	19.62	19.54	20.8	0.0
20	QPSK	1	53	19.55	19.53	19.49	20.8	0.0
20	QPSK	1	104	19.52	19.57	19.46	20.8	0.0
20	QPSK	50	0	19.48	19.60	19.45	20.8	0.0
20	QPSK	50	28	19.57	19.64	19.53	20.8	0.0
20	QPSK	50	96	19.53	19.61	19.43	20.8	0.0
20	QPSK	100	0	19.51	19.61	19.50	20.8	0.0
20	16QAM	1	1	19.59	19.54	19.43	20.8	0.0
20	16QAM	1	1	17.74	17.85	17.75	19.3	1.5
20	256QAM	1	1	16.33	16.47	16.34	17.3	3.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.48	19.51	19.38	20.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.57	19.60	19.49	20.8	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.57	19.63	19.49	20.8	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Mode Ch. F (W)	Power High Ch. F (W)	Turn-up time (dBm)	MAPS (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	22.34	22.4	22.35	23.5	0.0
20	PI2 BPSK	1	53	22.30	22.34	22.39	23.5	0.0
20	PI2 BPSK	1	104	22.41	22.45	22.37	23.5	0.0
20	PI2 BPSK	50	0	22.45	22.41	22.31	23.5	0.0
20	PI2 BPSK	50	28	22.29	22.43	22.35	23.5	0.0
20	PI2 BPSK	50	96	22.34	22.33	22.28	23.5	0.0
20	PI2 BPSK	100	0	22.29	22.35	22.30	23.5	0.0
20	QPSK	1	1	22.43	22.43	22.33	23.5	0.0
20	QPSK	1	53	22.41	22.42	22.39	23.5	0.0
20	QPSK	1	104	22.30	22.46	22.41	23.5	0.0
20	QPSK	50	0	22.31	22.35	22.28	23.5	0.0
20	QPSK	50	28	22.41	22.42	22.36	23.5	0.0
20	QPSK	50	96	22.36	22.28	22.28	23.5	0.0
20	QPSK	100	0	22.37	22.38	22.39	23.5	0.0
20	16QAM	1	1	22.30	22.42	22.38	23.5	0.0
20	16QAM	1	1	21.23	21.20	21.28	21.5	1.0
20	256QAM	1	1	19.49	19.85	19.78	20.5	3.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.33	22.34	22.34	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.41	22.43	22.43	23.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.33	22.33	22.32	23.5	0.0

n26 Ant 0									
SW (MHz)	Modulation	RB Size	RB Offset	Power Level (dBm)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)	Power Margin (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.81	21.81	21.81	21.81	21.81	21.81
20	QPSK	1	50	21.81	22.00	22.03	22.03	22.5	0.0
20	QPSK	1	100	21.81	22.07	22.07	22.07	22.5	0.0
20	QPSK	1	150	21.81	22.14	22.14	22.14	22.5	0.0
20	QPSK	50	20	21.82	22.03	22.03	22.03	22.5	0.0
20	QPSK	50	70	21.83	22.08	22.08	22.08	22.5	0.0
20	QPSK	100	0	21.81	22.10	22.10	22.10	22.5	0.0
20	QPSK	100	50	21.81	22.14	22.14	22.14	22.5	0.0
20	QPSK	1	50	21.85	22.04	22.07	22.07	22.5	0.0
20	QPSK	1	100	21.87	22.00	22.00	22.00	22.5	0.0
20	QPSK	1	150	21.75	22.02	22.02	22.02	22.5	0.0
20	QPSK	50	20	21.81	22.07	22.07	22.07	22.5	0.0
20	QPSK	50	70	21.82	22.08	22.08	22.08	22.5	0.0
20	QPSK	100	0	21.81	22.08	22.08	22.08	22.5	0.0
20	QPSK	100	50	21.81	22.10	22.10	22.10	22.5	0.0
20	QPSK	1	50	21.75	22.04	22.07	22.07	22.5	0.0
20	QPSK	1	100	21.75	22.00	22.00	22.00	22.5	0.0
20	QPSK	1	150	21.75	22.02	22.02	22.02	22.5	0.0
20	QPSK	50	20	21.81	22.07	22.07	22.07	22.5	0.0
20	QPSK	50	70	21.82	22.08	22.08	22.08	22.5	0.0
20	QPSK	100	0	21.75	22.08	22.08	22.08	22.5	0.0
20	QPSK	100	50	21.75	22.10	22.10	22.10	22.5	0.0
20	16QAM	1	0	21.93	21.78	21.71	21.71	22.0	0.0
20	16QAM	1	50	20.51	20.36	20.29	20.29	20.7	1.5
20	256QAM	1	0	18.81	18.13	18.08	18.08	20.0	3.5
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.81	21.81	21.81	21.81	21.81	21.81
15	QPSK	1	50	21.79	22.10	22.10	22.10	22.5	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	0	21.75	21.75	21.75	21.75	21.75	21.75
15	QPSK	1	50	21.78	22.10	22.10	22.10	22.5	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	0	16.80	16.80	16.80	16.80	16.80	16.80
5	QPSK	1	50	21.80	22.00	22.00	22.00	22.5	0.0

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Media Ch. [Freq.]	Power High Ch. [Freq.]	Turn-on time (dBm)	MPE (dB)	
Channel				346000	349000	352000			
Frequency (MHz)				1735	1745	1755			
40	PUSC BPSK	1	1	23.33	23.45	23.45			
40	PUSC BPSK	1	108	23.38	23.41	23.38	25.0	0.0	
40	PUSC BPSK	1	214	23.24	23.37	23.25			
40	PUSC BPSK	108	0	22.88	22.95	22.88	24.5	0.5	
40	PUSC BPSK	108	54	23.37	23.44	23.25	25.0	0.0	
40	PUSC BPSK	108	108	22.78	22.85	22.85	24.0	0.0	
40	PUSC BPSK	216	0	22.81	22.92	22.85			
40	QPSK	1	1	23.26	23.43	23.25			
40	QPSK	1	108	23.28	23.37	23.25	25.0	0.0	
40	QPSK	1	214	23.33	23.45	23.25			
40	QPSK	108	0	22.31	22.38	22.31	25.0	1.0	
40	QPSK	108	54	23.41	23.44	23.42	25.0	0.0	
40	QPSK	108	108	22.35	22.38	22.27	24.0	1.0	
40	QPSK	216	0	22.35	22.41	22.31			
40	16QAM	1	1	22.55	22.57	22.15	24.0	1.0	
40	16QAM	1	1	23.15	23.34	23.15	22.5	2.5	
40	256QAM	1	1	19.30	19.42	19.34	20.5	4.5	
Channel									
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.43	22.48	22.37	25.0	0.0	
Channel				346000	349000	352000			
Frequency (MHz)				1720	1740	1760	Turn-on time	MPE	
20	QPSK	1	1	17.38	17.34	17.38	25.0	0.0	
Channel				343000	348000	349000	Turn-up time	MPE	
Frequency (MHz)				1713	1733	1753			
15	QPSK	1	1	17.40	17.44	17.39	25.0	0.0	
Channel				343000	349000	350000	Turn-up time	MPE	
Frequency (MHz)				1711	1731	1751			
Channel				342000	349000	350000	Turn-up time	MPE	
Frequency (MHz)				1712	1732	1752			
10	QPSK	1	1	17.32	17.37	17.32	25.0	0.0	
Channel				342000	349000	350000	Turn-up time	MPE	
Frequency (MHz)				1713	1733	1753			
5	QPSK	1	1	17.38	17.44	17.40	25.0	0.0	

n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Media Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PUSC BPSK	1	1	17.60	17.65	17.61			
40	PUSC BPSK	1	108	17.70	17.75	17.73	19.0	0.0	
40	PUSC BPSK	1	214	17.77	17.88	17.84			
40	PUSC BPSK	108	0	17.80	17.80	17.68	19.0	0.0	
40	PUSC BPSK	108	54	17.73	17.78	17.65	19.0	0.0	
40	PUSC BPSK	108	108	17.68	17.65	17.55	19.0	0.0	
40	PUSC BPSK	216	0	17.74	17.78	17.76			
40	QPSK	1	1	17.61	17.62	17.51			
40	QPSK	1	108	17.78	17.72	17.71	19.0	0.0	
40	QPSK	1	214	17.76	17.82	17.86			
40	QPSK	108	0	17.77	17.75	17.55	19.0	0.0	
40	QPSK	108	54	17.79	17.80	17.70	19.0	0.0	
40	QPSK	108	108	17.71	17.68	17.58	19.0	0.0	
40	QPSK	216	0	17.75	17.78	17.68			
40	16QAM	1	1	17.80	17.79	17.71	19.0	0.0	
40	16QAM	1	1	17.72	17.77	17.65	19.0	0.0	
40	256QAM	1	1	17.68	17.78	17.71	19.0	0.0	
Channel									
Frequency (MHz)				1725	1745	1765	Turn-up time	MPE	
30	QPSK	1	1	17.71	17.80	17.75	19.0	0.0	
Channel				346000	349000	352000	Turn-up time	MPE	
20	QPSK	1	1	17.67	17.80	17.72	19.0	0.0	
Channel				343000	348000	349000	Turn-up time	MPE	
Frequency (MHz)									
15	QPSK	1	1	17.67	17.85	17.75	19.0	0.0	
Channel				343000	349000	350000	Turn-up time	MPE	
Frequency (MHz)									
10	QPSK	1	1	17.73	17.78	17.71	19.0	0.0	
Channel				342000	349000	350000	Turn-up time	MPE	
Frequency (MHz)									
5	QPSK	1	1	17.66	17.68	17.76	19.0	0.0	

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Media Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (dBm)	MPE (dB)	
Channel <td>346000</td> <td>349000</td> <td>352000</td> <td></td> <td colspan="2"></td>				346000	349000	352000			
Frequency (MHz)									
40	PUSC BPSK	1	1	21.82	21.77	21.86			
40	PUSC BPSK	1	108	21.81	21.88	21.54	23.5	0.0	
40	PUSC BPSK	1	214	21.62	21.74	21.58			
40	PUSC BPSK	108	0	21.80	21.14	21.85	23.0	0.0	
40	PUSC BPSK	108	54	21.85	21.88	21.80	23.0	0.0	
40	PUSC BPSK	108	108	21.09	21.12	21.32	23.0	0.5	
40	PUSC BPSK	216	0	21.87	21.14	21.11			
40	QPSK	1	1	21.80	21.88	21.85			
40	QPSK	1	108	21.58	21.60	21.55	23.5	0.0	
40	QPSK	1	214	21.59	21.72	21.70			
40	QPSK	108	0	21.59	21.65	20.82	23.5	1.0	
40	QPSK	108	54	21.92	21.84	21.84	23.5	0.0	
40	QPSK	108	108	20.97	20.71	20.70	22.5	1.0	
40	QPSK	216	0	20.88	20.72	20.59			
40	16QAM	1	1	20.92	20.92	20.92	22.5	1.0	
40	16QAM	1	1	19.07	19.25	19.15	21.0	2.5	
40	256QAM	1	1	17.75	17.78	17.78	19.0	4.5	
Channel				346000	349000	352000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.74	21.81	21.69	23.5	0.0	
Channel				346000	349000	352000	Turn-up time	MPE	
Frequency (MHz)				1725	1745	1770			
20	QPSK	1	1	21.68	21.82	21.74	23.5	0.0	
Channel				343000	348000	349000	Turn-up time	MPE	
Frequency (MHz)				1725	1745	1772.5			
15	QPSK	1	1	21.74	21.85	21.77	23.5	0.0	
Channel				343000	349000	350000	Turn-up time	MPE	
Frequency (MHz)				1715	1745	1773			
10	QPSK	1	1	21.86	21.89	21.78	23.5	0.0	
Channel				342000	349000	350000	Turn-up time	MPE	
Frequency (MHz)				1725	1745	1774			
5	QPSK	1	1	21.75	21.78	21.87	23.5	0.0	

n38_Ant 4										
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Time-up limit (dBm)	MPE (dB)		
Channel										
				518004	519000	519696				
				100.00	20.00	20.00				
40	P12-BPSK	1	1	23.43	23.35	23.35	25.0	0.0		
40	P12-BPSK	1	53	23.30	23.48	23.41				
40	P12-BPSK	1	104	23.35	23.43	23.43				
40	P12-BPSK	50	0	22.83	22.92	22.83				
40	P12-BPSK	50	26	23.34	23.40	23.38				
40	P12-BPSK	50	86	23.51	22.91	22.86	24.5	0.5		
40	P12-BPSK	100	0	22.80	22.92	22.88	25.0	0.0		
40	QPSK	1	1	23.51	23.55	23.53				
40	QPSK	1	53	23.20	23.43	23.28				
40	QPSK	1	104	23.40	23.47	23.41				
40	QPSK	50	0	22.41	22.43	22.36				
40	QPSK	50	26	23.40	23.42	23.38	25.0	0.0		
40	QPSK	50	86	22.35	22.40	22.25	24.5	1.0		
40	QPSK	100	0	22.30	22.41	22.28	24.5	1.0		
40	16QAM	1	1	22.24	22.20	22.20				
40	16QAM	1	1	20.58	20.81	20.75				
40	256QAM	1	1	19.52	19.37	19.22				
				Channel	519000	519696	Time-up limit (dBm)	MPE (dB)		
				Channel	2585.01	2595	2604.99			
30	QPSK	1	1	23.37	23.39	23.40	26.0	0.0		
				Channel	519000	519696	Time-up limit (dBm)			
				Channel	2595	2604.99	2614.99			
20	QPSK	1	1	23.41	23.47	23.43	26.0	0.0		
				Channel	519592	519600	520498	Time-up limit (dBm)		
				Channel	5204.91	5205	5214.99			
15	QPSK	1	1	23.58	23.43	23.35	25.0	1.0		
				Channel	519004	519000	522996	Time-up limit (dBm)		
				Channel	5229.92	5230	5249.98			
10	QPSK	1	1	23.35	23.41	23.43	25.0	0.0		

n38_Ant 3										
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Time-up limit (dBm)	MPE (dB)		
Channel										
				519004	519000	519696				
				100.00	20.00	20.00				
40	P12-BPSK	1	1	18.53	18.52	18.53	19.5	0.0		
40	P12-BPSK	1	53	18.47	18.49	18.53				
40	P12-BPSK	1	104	18.47	18.43	18.57				
40	P12-BPSK	50	0	18.47	18.49	18.50				
40	P12-BPSK	50	26	18.53	18.55	18.50	19.5	0.0		
40	P12-BPSK	50	86	18.55	18.49	18.50	19.5	0.0		
40	P12-BPSK	100	0	18.54	18.81	18.45	19.5	0.0		
40	QPSK	1	1	18.57	18.45	18.53				
40	QPSK	1	53	18.47	18.53	18.40				
40	QPSK	1	104	18.46	18.63	18.43				
40	QPSK	50	0	18.40	18.47	18.41	19.5	0.0		
40	QPSK	50	26	18.51	18.80	18.40	19.5	0.0		
40	QPSK	50	86	18.50	18.46	18.41	19.5	0.0		
40	16QAM	1	1	18.40	18.61	18.50	19.5	0.0		
40	16QAM	1	1	18.53	18.56	18.50				
40	256QAM	1	1	18.49	18.62	18.52				
40	256QAM	1	1	18.49	18.62	18.52				
<th>Channel</th> <th>5210.00</th> <th>521000</th> <th>Time-up limit (dBm)</th> <th colspan="2"></th>				Channel	5210.00	521000	Time-up limit (dBm)			
<th>Channel</th> <th>2585.01</th> <th>2595</th> <th>2604.99</th> <th colspan="2"></th>				Channel	2585.01	2595	2604.99			
30	QPSK	1	1	18.47	18.60	18.45	19.5	0.0		
<th>Channel</th> <th>519592</th> <th>519600</th> <th>Time-up limit (dBm)</th> <th colspan="2"></th>				Channel	519592	519600	Time-up limit (dBm)			
<th>Channel</th> <th>5204.91</th> <th>5205</th> <th>5214.99</th> <th colspan="2"></th>				Channel	5204.91	5205	5214.99			
20	QPSK	1	1	18.54	18.51	18.51	19.5	0.0		
<th>Channel</th> <th>519592</th> <th>519600</th> <th>522498</th> <th>Time-up limit (dBm)</th> <th colspan="2"></th>				Channel	519592	519600	522498	Time-up limit (dBm)		
<th>Channel</th> <th>5224.91</th> <th>5225</th> <th>5234.99</th> <th colspan="2"></th>				Channel	5224.91	5225	5234.99			
15	QPSK	1	1	18.50	18.08	18.40	19.5	0.0		
<th>Channel</th> <th>519004</th> <th>519000</th> <th>522996</th> <th>Time-up limit (dBm)</th> <th colspan="2"></th>				Channel	519004	519000	522996	Time-up limit (dBm)		
<th>Channel</th> <th>5229.92</th> <th>5230</th> <th>5249.98</th> <th colspan="2"></th>				Channel	5229.92	5230	5249.98			
10	QPSK	1	1	18.46	18.58	18.50	19.5	0.0		

n38_Ant 5									
BW (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Time-up limit (dBm)	MPE (dB)	
Channel									
				519004	519000	519696			
40	Frequency Mod.	1	1	19.48	19.55	19.53	21.0	0.0	
40	P12-BPSK	1	53	19.49	19.62	19.51			
40	P12-BPSK	1	104	19.37	19.60	19.48			
40	Frequency Mod.	50	0	19.45	19.61	19.60	23.0	0.0	
40	P12-BPSK	50	26	19.43	19.55	19.53	23.0	0.0	
40	Frequency Mod.	50	86	19.48	19.53	19.53	23.0	0.0	
40	P12-BPSK	100	0	19.47	19.61	19.60	21.0	0.0	
40	QPSK	1	1	19.51	19.58	19.51			
40	QPSK	1	53	19.41	19.55	19.47			
40	QPSK	1	104	19.46	19.63	19.57			
40	Frequency Mod.	50	0	19.40	19.50	19.40	23.0	0.0	
40	QPSK	50	26	19.47	19.63	19.54	23.0	0.0	
40	Frequency Mod.	50	86	19.34	19.38	19.36	23.0	0.0	
40	16QAM	1	1	19.33	19.36	19.34	21.0	0.0	
40	16QAM	1	1	17.92	17.94	17.92			
40	256QAM	1	1	16.47	16.48	16.38			
				519600	519600	519600	17.0	3.0	
Channel									
				2585 <th>2585<th>2585<td colspan="3"></td></th></th>	2585 <th>2585<td colspan="3"></td></th>	2585 <td colspan="3"></td>			
30	Frequency Mod.	1	1	19.39	19.50	19.51	21.0	0.0	
				519600	519600	519600	17.0	3.0	
Channel									
				5205 <th>5205<th>5205<td colspan="3"></td></th></th>	5205 <th>5205<td colspan="3"></td></th>	5205 <td colspan="3"></td>			
20	Frequency Mod.	1	1	19.50	19.40	19.47	23.0	0.0	
Channel									
				5205 <th>5205<th>5205<td colspan="3"></td></th></th>	5205 <th>5205<td colspan="3"></td></th>	5205 <td colspan="3"></td>			
15	Frequency Mod.	1	1	19.42	19.40	19.38	23.0	0.0	
Channel									
				5205 <th>5205<th>5205<td colspan="3"></td></th></th>	5205 <th>5205<td colspan="3"></td></th>	5205 <td colspan="3"></td>			
10	Frequency Mod.	1	1	19.47	19.57	19.53	23.0	0.0	

Part27O_n78_Ant 10								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Middle Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	0	1	14.54				
100	PI-C BPSK	1	137	14.48			15.7	0.0
100	PI-C BPSK	1	271	14.52				
100	PI-C BPSK	135	0	14.57			15.7	0.0
100	PI-C BPSK	135	49	14.48			15.7	0.0
100	PI-C BPSK	135	138	14.48			15.7	0.0
100	PI-C BPSK	270	0	14.54			15.7	0.0
100	QPSK	1	1	14.51				
100	QPSK	1	137	14.55			15.7	0.0
100	QPSK	1	271	14.56				
100	QPSK	135	0	14.53			15.7	0.0
100	QPSK	135	49	14.54			15.7	0.0
100	QPSK	135	138	14.49			15.7	0.0
100	QPSK	270	0	14.48			15.7	0.0
100	16QAM	1	1	14.54			15.7	0.0
100	16QAM	1	1	14.55			15.7	0.0
100	256QAM	1	1	14.52			15.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.54	14.47	14.48	15.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.54	14.56	14.52	15.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.57	14.46	14.50	15.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.49	14.52	14.48	15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.48	14.47	14.55	15.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.53	14.54	14.49	15.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.53	14.54	14.52	15.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.51	14.53	14.50	15.7	0.0

Part27O_n78(HPUE)_Ant 10								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Middle Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	0	1	14.54				
100	PI-C BPSK	1	137	14.48			15.7	0.0
100	PI-C BPSK	1	271	14.52				
100	PI-C BPSK	135	0	14.57			15.7	0.0
100	PI-C BPSK	135	49	14.48			15.7	0.0
100	PI-C BPSK	135	138	14.48			15.7	0.0
100	PI-C BPSK	270	0	14.54			15.7	0.0
100	QPSK	1	1	14.51				
100	QPSK	1	137	14.55			15.7	0.0
100	QPSK	1	271	14.56				
100	QPSK	135	0	14.53			15.7	0.0
100	QPSK	135	49	14.54			15.7	0.0
100	QPSK	135	138	14.49			15.7	0.0
100	QPSK	270	0	14.48			15.7	0.0
100	16QAM	1	1	14.54			15.7	0.0
100	16QAM	1	1	14.55			15.7	0.0
100	256QAM	1	1	14.52			15.7	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.54	14.47	14.48	15.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.54	14.56	14.52	15.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.57	14.46	14.50	15.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.49	14.52	14.48	15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.48	14.47	14.55	15.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.53	14.54	14.49	15.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.53	14.54	14.52	15.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.51	14.53	14.50	15.7	0.0

n7_Ant 5									
Run ID	Modulation	RF Size	RF Offset	Power Low Ch. [dBm]	Power Mid Ch. [dBm]	Power High Ch. [dBm]	Power Peak [dBm]	Turn-up Time [s]	MFPS [dB]
Channel									
Frequency (MHz)									
40	PSK BPSK	1	1	19.78	18.83	18.70			
40	PSK BPSK	1	1	19.78	18.83	18.70	21.0	0.0	
40	PSK BPSK	1	214	19.78	18.83	18.70	19.72		
40	PSK BPSK	108	0	19.80	18.86	19.71	21.0	0.0	
40	PSK BPSK	108	54	19.80	18.86	19.71	21.0	0.0	
40	PSK BPSK	108	108	19.80	18.87	19.77	21.0	0.0	
40	QPSK	1	1	19.74	18.74	18.61			
40	QPSK	1	1	19.74	18.77	18.61			
40	QPSK	1	214	19.83	18.90	18.73	21.0	0.0	
40	QPSK	108	0	19.70	18.76	19.71	21.0	0.0	
40	QPSK	108	54	19.70	18.76	19.71	21.0	0.0	
40	QPSK	108	108	19.72	18.77	19.62	21.0	0.0	
40	QPSK	212	0	19.82	18.82	18.70	21.0	0.0	
40	QAM64	1	1	19.45	18.60	19.56	21.0	0.0	
40	QAM64	1	1	19.45	18.60	19.56	21.0	0.0	
40	QAM64	1	1	19.70	18.72	18.69	19.75	3.0	3.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.80	19.70	19.60			
30	QPSK	1	1	19.81	19.63	19.59	21.0	0.0	
30	QPSK	1	1	19.81	19.63	19.59	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.13	19.00	19.13	21.0	0.0	
20	QPSK	1	1	19.13	19.00	19.13	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.10	19.01	19.10	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.80	19.84	19.87	21.0	0.0	
15	QPSK	1	1	19.80	19.84	19.87	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.77	19.67	19.71	23.0	0.0	
15	QPSK	1	1	19.77	19.67	19.71	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.81	19.77	19.72	21.0	0.0	

n12_Ant 1								
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power Top Ch./Freq.	Turn-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	21.41	21.40	21.29		
15	P12 BPSK	1	46	21.34	21.36	21.34	22.3	0.0
16	P12 BPSK	1	77	21.49	21.39	21.31		
15	P12 BPSK	36	5	21.36	21.41	21.39	22.3	0.0
15	P12 BPSK	36	22	21.34	21.38	21.32	22.3	0.0
15	P12 BPSK	36	43	21.44	21.37	21.23	22.3	0.0
15	P12 BPSK	36	5	21.40	21.36	21.37		
15	QPSK	1	1	21.47	21.50	21.37		
15	QPSK	1	46	21.46	21.46	21.47	22.3	0.0
15	QPSK	1	77	21.37	21.37	21.51		
15	QPSK	36	5	21.31	21.35	21.23	22.3	0.0
15	QPSK	36	22	21.45	21.47	21.51	22.3	0.0
15	QPSK	36	43	21.34	21.42	21.28	22.3	0.0
15	QPSK	36	5	21.46	21.46	21.42	22.3	0.0
15	QPSK	36	22	21.36	21.47	21.54	22.3	0.0
15	QPSK	36	43	21.35	20.23	20.11	21.3	1.0
15	HS-DSSS	1	1	20.13	20.23	20.11	21.3	1.0
15	HS-DSSS	1	1	19.79	19.87	19.79	19.3	3.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.40	21.42	21.52	22.3	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.40	21.48	21.22	22.3	0.0

n12_Ant 0								
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power Top Ch./Freq.	Turn-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
15	P12 BPSK	1	1	22.29	22.21	22.18		
15	P12 BPSK	1	46	22.13	22.23	22.14	22.8	0.0
15	P12 BPSK	1	77	22.08	22.10	22.07		
15	P12 BPSK	36	5	21.88	21.78	21.86	22.3	0.0
15	P12 BPSK	36	22	22.20	21.28	22.20	22.8	0.0
15	P12 BPSK	36	43	21.71	21.74	21.85	22.3	0.5
15	P12 BPSK	36	5	21.62	21.77	21.73		
15	QPSK	1	1	22.21	22.20	22.20		
15	QPSK	1	46	22.17	22.04	22.12	22.8	0.0
15	QPSK	1	77	22.05	22.15	21.97		
15	QPSK	36	5	21.21	21.25	21.16	21.8	1.0
15	QPSK	36	22	22.10	22.25	22.19	22.8	0.0
15	QPSK	36	43	21.12	21.20	21.20	21.8	1.0
15	QPSK	36	5	21.86	21.86	21.82	21.8	1.0
15	QPSK	1	1	20.94	20.95	20.96	21.8	1.0
15	HS-DSSS	1	1	19.49	19.54	19.50	20.3	2.0
15	HS-DSSS	1	1	17.99	18.10	18.09	18.3	4.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.10	22.18	22.13	22.8	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.23	22.22	22.14	22.8	0.0

n26_Ant 1								
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power Top Ch./Freq.	Turn-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	21.38	21.41	21.27		
20	P12 BPSK	1	50	21.35	21.44	21.32	22.5	0.0
20	P12 BPSK	1	104	21.28	21.37	21.30		
20	P12 BPSK	36	5	21.27	21.41	21.36	22.5	0.0
20	P12 BPSK	36	26	21.36	21.51	21.25	22.5	0.0
20	P12 BPSK	36	50	21.24	21.45	21.34	22.5	0.0
20	P12 BPSK	100	5	21.35	21.50	21.28		
20	QPSK	1	1	21.30	21.30	21.36		
20	QPSK	1	50	21.26	21.41	21.30	22.5	0.0
20	QPSK	1	104	21.25	21.50	21.24		
20	QPSK	36	5	21.23	21.40	21.20	22.5	0.0
20	QPSK	36	26	21.35	21.45	21.30	22.5	0.0
20	QPSK	36	50	21.27	21.31	21.20	22.5	0.0
20	QPSK	100	5	21.40	21.40	21.40	22.5	0.0
20	HS-DSSS	1	1	21.28	21.49	21.25	22.5	0.0
20	HS-DSSS	1	1	21.32	21.44	21.37	22.5	0.0
20	HS-DSSS	1	1	19.65	19.65	19.66	20.5	2.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.29	21.40	21.38	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.35	21.40	21.25	22.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.34	21.30	21.23	22.5	0.0

n26_Ant 0								
Ref (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Minus Ch./Freq.	Power Top Ch./Freq.	Turn-up time (min)	MPN (dB)
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	21.52	21.57	21.42		
20	P12 BPSK	1	50	21.52	21.50	21.41	23.0	0.0
20	P12 BPSK	1	104	21.36	21.40	21.36		
20	P12 BPSK	36	5	21.48	21.49	21.35	23.0	0.0
20	P12 BPSK	36	26	21.37	21.57	21.38	23.0	0.0
20	P12 BPSK	36	50	21.52	21.49	21.43	23.0	0.0
20	P12 BPSK	100	5	21.36	21.48	21.42		
20	QPSK	1	1	21.40	21.38	21.40		
20	QPSK	1	50	21.38	21.54	21.45	23.0	0.0
20	QPSK	1	104	21.45	21.51	21.41		
20	QPSK	36	5	21.38	21.46	21.38	23.0	0.0
20	QPSK	36	26	21.35	21.51	21.41	23.0	0.0
20	QPSK	36	50	21.36	21.48	21.32	23.0	0.0
20	QPSK	100	5	21.43	21.45	21.44	23.0	0.0
20	HS-DSSS	1	1	20.31	20.36	20.31	22.0	1.0
20	HS-DSSS	1	1	19.63	19.63	19.66	20.0	3.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.43	21.45	21.38	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.34	21.50	21.44	23.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.37	21.57	21.35	23.0	0.0

n66_Ant 5								
RF [MHz]	Modulation	RF Size	RF Offset	Power Low [dBm]	Power High [dBm]	Peak Ch. Offset [MHz]	Time up time [s/iter]	MPR [dB]
Channel								
Frequency [MHz]				17.00	17.00			
40	QPSK	1	0	20.82	20.82	20.82		
40	PSS-MFSS	1	108	20.78	20.84	20.79	22.5	0.0
40	PSS-MFSS	1	214	20.78	20.80	20.78		
40	PSS-MFSS	108	0	20.80	20.80	20.80	22.5	0.0
40	PSS-MFSS	108	108	20.81	20.82	20.77	22.5	0.0
40	PSS-MFSS	108	214	20.82	20.82	20.82		
40	QPSK	1	11	20.82	20.82	20.81	22.5	0.0
40	QPSK	1	207	20.77	20.80	20.74		
40	QPSK	1	213	20.79	20.80	20.79	22.5	0.0
40	QPSK	1	214	20.80	20.81	20.74		
40	QPSK	108	0	20.82	20.84	20.82	22.5	0.0
40	QPSK	108	108	20.74	20.82	20.82	22.5	0.0
40	QPSK	108	214	20.82	20.82	20.82	22.5	0.0
40	QPSK	214	0	20.80	20.80	20.80	22.5	0.0
40	WSSM	1	1	20.82	20.82	20.82	22.5	0.0
40	WSSM	1	207	20.82	20.82	20.82	22.5	0.0
40	WSSM	1	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	1	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	108	0	20.82	20.82	20.82	22.5	0.0
40	WSSM	108	108	20.82	20.82	20.82	22.5	0.0
40	WSSM	108	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	0	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	108	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	214	20.82	20.82	20.82	22.5	0.0
40	WSSM	214	213	20.82</				

n38_Ant 4									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUS-BPSK	1	1	19.39	19.49	19.39			
40	PUS-BPSK	1	53	19.31	19.48	19.40	21.0	0.0	
40	PUS-BPSK	1	104	19.37	19.48	19.30			
40	PUS-BPSK	50	0	19.40	19.39	19.35	21.0	0.0	
40	PUS-BPSK	50	26	19.38	19.38	19.35	21.0	0.0	
40	PUS-BPSK	50	50	19.40	19.38	19.35	21.0	0.0	
40	PUS-BPSK	100	0	19.34	19.50	19.41			
40	QPSK	1	1	19.35	19.51	19.43			
40	QPSK	1	53	19.29	19.39	19.38	21.0	0.0	
40	QPSK	1	104	19.30	19.46	19.30			
40	QPSK	50	0	19.29	19.34	19.28	21.0	0.0	
40	QPSK	50	26	19.45	19.49	19.37	21.0	0.0	
40	QPSK	50	50	19.38	19.38	19.31	21.0	0.0	
40	QPSK	100	0	19.32	19.50	19.33			
40	SSB-QAM	1	1	19.30	19.36	19.40	21.0	0.0	
40	SSB-QAM	1	1	19.30	19.49	19.37	21.0	0.0	
40	SSB-QAM	1	1	19.32	19.37	19.42	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.33	19.41	19.37	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.30	19.47	19.38	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.37	19.38	19.33	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.27	19.41	19.34	21.0	0.0	

n38_Ant 3									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUS-BPSK	1	1	20.73	20.88	20.78			
40	PUS-BPSK	1	53	20.64	20.78	20.82	22.0	0.0	
40	PUS-BPSK	1	104	20.69	20.84	20.88			
40	PUS-BPSK	50	0	20.69	20.77	20.80	22.0	0.0	
40	PUS-BPSK	50	26	20.69	20.80	20.71	22.0	0.0	
40	PUS-BPSK	50	50	20.61	20.83	20.82	22.0	0.0	
40	PUS-BPSK	100	0	20.64	20.88	20.80			
40	QPSK	1	1	20.74	20.88	20.81			
40	QPSK	1	53	20.69	20.74	20.70	22.0	0.0	
40	QPSK	1	104	20.69	20.80	20.80			
40	QPSK	50	0	20.67	20.78	20.82	22.0	0.0	
40	QPSK	50	26	20.71	20.82	20.74	22.0	0.0	
40	QPSK	50	50	20.59	20.72	20.74	22.0	0.0	
40	QPSK	100	0	20.67	20.80	20.77	22.0	0.0	
40	SSB-QAM	1	1	20.64	20.81	20.70	22.0	0.0	
40	SSB-QAM	1	1	20.61	20.87	20.78	22.0	0.0	
40	SSB-QAM	1	1	20.64	20.71	20.68	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.71	20.82	20.76	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.75	20.75	20.75	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.68	20.88	20.82	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.65	20.84	20.81	22.0	0.0	

n38_Ant 5									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUS-BPSK	1	1	20.87	20.88	20.78			
40	PUS-BPSK	1	53	20.44	20.58	20.52	22.0	0.0	
40	PUS-BPSK	1	104	20.45	20.50	20.40			
40	PUS-BPSK	50	0	20.53	20.54	20.45	21.5	0.0	
40	PUS-BPSK	50	26	20.38	20.49	20.40	21.5	0.0	
40	PUS-BPSK	50	50	19.84	19.92	19.75	21.5	0.0	
40	PUS-BPSK	100	0	19.80	19.97	19.80	21.5	0.0	
40	QPSK	1	1	20.90	20.90	20.70			
40	QPSK	1	53	20.38	20.41	20.30	22.0	0.0	
40	QPSK	1	104	20.35	20.46	20.30			
40	QPSK	50	0	19.40	19.50	19.49	21.0	1.0	
40	QPSK	50	26	19.37	19.45	19.38	22.0	0.0	
40	QPSK	50	50	19.34	19.38	19.30	21.0	1.0	
40	SSB-QAM	1	1	19.35	19.36	19.24	21.0	1.0	
40	SSB-QAM	1	1	17.92	17.94	17.85	19.5	2.0	
40	SSB-QAM	1	1	16.47	16.48	16.38	17.5	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.47	20.50	20.44	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.37	20.48	20.40	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.55	20.53	20.45	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.51	20.48	20.53	22.0	0.0	

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac]	Power Main Ch. 2 [Frac]	Power High Ch. 3 [Frac]	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102 BPSK	1	1	19.13	19.25	19.17			
100	P102 BPSK	1	137	19.15	19.16	19.21	20.7	0.0	
100	P102 BPSK	1	271	19.15	19.16	19.14			
100	P102 BPSK	135	0	19.15	19.19	19.15	20.7	0.0	
100	P102 BPSK	135	86	19.16	19.27	19.16	20.7	0.0	
100	P102 BPSK	135	138	19.09	19.17	19.15	20.7	0.0	
100	P102 BPSK	270	0	19.15	19.19	19.20			
100	QPSK	1	1	19.15	19.20	19.14			
100	QPSK	1	137	19.17	19.20	19.15	20.7	0.0	
100	QPSK	1	271	19.14	19.20	19.16			
100	QPSK	135	0	19.07	19.16	19.15	20.7	0.0	
100	QPSK	135	86	19.14	19.24	19.17	20.7	0.0	
100	QPSK	135	138	19.15	19.14	19.11	20.7	0.0	
100	QPSK	270	0	19.09	19.23	19.16	20.7	0.0	
100	16QAM	1	1	19.14	19.17	19.16	20.7	0.0	
100	256QAM	1	1	19.06	19.16	19.20	20.7	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	19.14	19.20	19.22	20.7	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.15	19.16	19.20	20.7	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.09	19.15	19.15	20.7	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.12	19.27	19.13	20.7	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.10	19.20	19.15	20.7	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.12	19.16	19.13	20.7	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.10	19.20	19.14	20.7	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.04	19.24	19.16	20.7	0.0	

n41(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac]	Power Main Ch. 2 [Frac]	Power High Ch. 3 [Frac]	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102 BPSK	1	1	19.13	19.25	19.17			
100	P102 BPSK	1	137	19.15	19.16	19.21	20.7	0.0	
100	P102 BPSK	1	271	19.15	19.16	19.14			
100	P102 BPSK	135	0	19.15	19.23	19.15	20.7	0.0	
100	P102 BPSK	135	86	19.16	19.27	19.16	20.7	0.0	
100	P102 BPSK	135	138	19.09	19.17	19.15	20.7	0.0	
100	P102 BPSK	270	0	19.09	19.19	19.20			
100	QPSK	1	1	19.15	19.20	19.14			
100	QPSK	1	137	19.17	19.20	19.15	20.7	0.0	
100	QPSK	1	271	19.14	19.20	19.16			
100	QPSK	135	0	19.07	19.16	19.15	20.7	0.0	
100	QPSK	135	86	19.14	19.24	19.17	20.7	0.0	
100	QPSK	135	138	19.15	19.14	19.11	20.7	0.0	
100	QPSK	270	0	19.09	19.23	19.16	20.7	0.0	
100	16QAM	1	1	19.14	19.17	19.16	20.7	0.0	
100	256QAM	1	1	19.06	19.20	19.17	20.7	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.14	19.20	19.22	20.7	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	19.15	19.16	19.20	20.7	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	19.09	19.15	19.15	20.7	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	19.12	19.27	19.13	20.7	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	19.10	19.20	19.15	20.7	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	19.12	19.16	19.13	20.7	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.10	19.20	19.14	20.7	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.04	19.24	19.16	20.7	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac]	Power Main Ch. 2 [Frac]	Power High Ch. 3 [Frac]	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	P102 BPSK	1	1	20.58	20.73	20.60			
100	P102 BPSK	1	137	20.62	20.76	20.66	21.7	0.0	
100	P102 BPSK	1	271	20.64	20.76	20.61			
100	P102 BPSK	135	0	20.60	20.77	20.60	21.7	0.0	
100	P102 BPSK	135	86	20.64	20.79	20.66	21.7	0.0	
100	P102 BPSK	135	138	20.67	20.69	20.71	21.7	0.0	
100	P102 BPSK	270	0	20.58	20.76	20.61			
100	QPSK	1	1	20.60	20.63	20.70			
100	QPSK	1	137	20.53	20.62	20.69	21.7	0.0	
100	QPSK	1	271	20.66	20.76	20.70			
100	QPSK	135	0	20.61	20.73	20.66	21.7	0.0	
100	QPSK	135	86	20.61	20.61	20.70	21.7	0.0	
100	QPSK	135	138	20.53	20.66	20.71	21.7	0.0	
100	QPSK	270	0	20.60	20.70	20.71	21.7	0.0	
100	16QAM	1	1	20.61	20.76	20.71	21.7	0.0	
100	64QAM	1	1	20.53	20.74	20.66	21.7	0.0	
100	256QAM	1	1	20.58	20.76	20.69	21.7	0.0	
Channel									
Frequency [MHz]									
90	QPSK	1	1	20.58	20.73	20.70	21.7	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.61	20.76	20.67	21.7	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.67	20.77	20.69	21.7	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	20.67	20.74	20.70	21.7	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.58	20.71	20.67	21.7	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.58	20.63	20.70	21.7	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.60	20.72	20.67	21.7	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.57	20.71	20.69	21.7	0.0	

n41(HPUE)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Frac]	Power Low Ch. 2 [Frac]	Power Low Ch. 3 [Frac]	Power Low Ch. 4 [Frac]	Power Low Ch. 5 [Frac]	Power Low Ch. 6 [Frac]
Channel									
Frequency [MHz]				254.61	254.60	254.60			
150	PQPSK	1	1	20.86	20.73	20.60			
150	PQPSK	153	1	20.86	20.73	20.60	21.7	0.0	
150	PQPSK	1	271	20.84	20.79	20.61			
150	PQPSK	153	271	20.84	20.79	20.61	21.7	0.0	
150	PQPSK	153	69	20.84	20.73	20.60	21.7	0.0	
150	PQPSK	153	138	20.87	20.58	20.71	21.7	0.0	
150	PQPSK	273	1	20.86	20.73	20.60			
150	QPSK	1	1	20.46	20.43	20.43			
150	QPSK	1	271	20.46	20.43	20.43	21.7	0.0	
150	QPSK	1	271	20.50	20.74	20.72			
150	QPSK	153	1	20.61	20.73	20.68	21.7	0.0	
150	QPSK	153	271	20.61	20.73	20.68	21.7	0.0	
150	QPSK	153	138	20.53	20.86	20.71	21.7	0.0	
150	QPSK	273	1	20.60	20.78	20.71			
150	QPSK	273	271	20.60	20.78	20.71	21.7	0.0	
150	64QAM	1	1	20.53	20.74	20.68	21.7	0.0	
150	256QAM	1	1	20.53	20.74	20.68	21.7	0.0	
Frequency [MHz]				510.00	510.00	510.00			
50	Channel			509.94	510.00	509.98			
50	Frequency [MHz]	1	1	20.86	20.73	20.60	21.7	0.0	
80	Channel			509.92	510.00	509.98			
80	Frequency [MHz]	1	1	20.86	20.79	20.67	21.7	0.0	
70	Channel			509.90	510.00	509.98			
70	QPSK	1	1	20.87	20.77	20.58	21.7	0.0	
60	Channel			509.88	510.00	509.98			
60	Frequency [MHz]	1	1	20.87	20.74	20.70	21.7	0.0	
Frequency [MHz]				2541.02	2540.98	2540.98			
50	Channel			2541.00	2541.00	2541.00			
50	QPSK	1	1	20.58	20.71	20.67	21.7	0.0	
50	Frequency [MHz]	1	1	20.58	20.71	20.67	21.7	0.0	
40	Channel			2540.98	2540.98	2540.98			
40	QPSK	1	1	20.58	20.68	20.54	21.7	0.0	
30	Channel			2540.96	2540.96	2540.96			
30	Frequency [MHz]	1	1	20.51	20.70	20.74	21.7	0.0	
30	QPSK	1	1	20.51	20.70	20.74	21.7	0.0	
Frequency [MHz]				5110.04	5109.98	5109.98			
20	Channel			5110.00	5109.98	5109.98			
20	QPSK	1	1	20.71	20.79	20.69	21.7	0.0	

n41_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	20.10	20.09	19.94	21.2	0.0	
100	PIC BPSK	1	137	20.33	20.10	20.15			
100	PIC BPSK	1	211	20.31	20.14	20.12			
100	PIC BPSK	135	0	20.30	20.10	20.07	21.2	0.0	
100	PIC BPSK	135	66	20.28	19.90	19.74	21.2	0.0	
100	PIC BPSK	135	138	20.29	20.10	20.15	21.2	0.0	
100	PIC BPSK	270	0	20.27	20.22	20.05			
100	QPSK	1	1	20.26	20.20	20.16	21.2	0.0	
100	QPSK	1	137	20.28	20.10	20.15			
100	QPSK	1	211	20.28	20.10	20.09			
100	QPSK	135	0	20.29	20.10	20.07	21.2	0.0	
100	QPSK	135	66	20.31	20.10	20.15	21.2	0.0	
100	QPSK	135	138	20.21	20.10	20.15	21.2	0.0	
100	QPSK	270	0	20.23	20.20	20.11	21.2	0.0	
100	16QAM	1	1	20.26	20.20	20.20	21.2	0.0	
100	16QAM	1	1	20.21	20.20	20.01	21.2	0.0	
100	256QAM	1	1	19.92	19.80	19.76	19.7	1.5	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.23	20.24	20.22	21.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.26	20.20	20.12	21.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.16	20.28	20.02	21.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.17	20.32	20.09	21.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.20	20.00	20.04	20.0		
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.28	20.37	20.03	21.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.23	20.10	20.12	21.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.18	20.24	20.13	21.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.23	20.34	20.03	21.2	0.0	

n41(HPUe)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	20.02	20.10	20.10	21.7	0.0	
100	PIC BPSK	1	137	20.02	20.02	20.10			
100	PIC BPSK	1	211	20.12	20.10	20.10			
100	PIC BPSK	135	0	20.03	20.10	20.01	21.7	0.0	
100	PIC BPSK	135	66	20.01	20.10	20.10	21.7	0.0	
100	PIC BPSK	135	138	20.07	20.10	20.10	21.7	0.0	
100	PIC BPSK	270	0	20.10	20.12	20.10			
100	QPSK	1	1	20.17	20.08	20.05	21.7	0.0	
100	QPSK	1	137	20.21	20.00	20.10			
100	QPSK	1	211	20.10	20.10	20.10			
100	QPSK	135	0	20.02	20.10	20.10	21.7	0.0	
100	QPSK	135	66	20.10	20.01	20.05	21.7	0.0	
100	QPSK	135	138	20.07	20.10	20.00	21.7	0.0	
100	QPSK	270	0	20.09	20.00	20.10			
100	16QAM	1	1	20.04	20.00	20.11	21.7	0.0	
100	16QAM	1	1	20.01	20.00	20.10	21.7	0.0	
100	256QAM	1	1	19.92	19.80	19.76	19.7	2.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.03	20.10	20.10	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.07	20.00	20.00	21.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.07	20.00	20.00	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.10	20.14	20.01	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.00	20.00	20.04	20.0		
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.03	20.07	20.10	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.00	20.00	20.10	21.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.09	20.00	20.11	21.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.04	20.00	20.00	21.7	0.0	

Part27Q_n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F)	Power Mid Ch (F)	Power High Ch (F)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1		19.75				
100	PIC BPSK	1	137		19.75		17.2	0.0	
100	PIC BPSK	1	211		19.80				
100	PIC BPSK	135	0		19.80		17.2	0.0	
100	PIC BPSK	135	66		19.71		17.2	0.0	
100	PIC BPSK	135	138		19.71		17.2	0.0	
100	PIC BPSK	270	0		19.69				
100	QPSK	1	1		19.80		17.2	0.0	
100	QPSK	1	137		19.70				
100	QPSK	1	211		19.69				
100	QPSK	135	0		19.64		17.2	0.0	
100	QPSK	135	66		19.70		17.2	0.0	
100	QPSK	135	138		19.64		17.2	0.0	
100	QPSK	270	0		19.70				
100	16QAM	1	1		19.70		17.2	0.0	
100	256QAM	1	1		19.60		17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.50	19.70	19.60	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.50	19.74	19.60	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.61	19.70	19.66	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.70	19.67	19.73	17.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.77	19.70	19.70	17.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.73	19.70	19.70	17.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.67	19.70	19.70	17.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.60	19.70	19.70	17.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.57	19.67	19.76	17.2	0.0	

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)	
Channel									
100	Frequency (MHz)			8333.02	8333.02	8333.02			
100	PI2 BPSK	1	1	15.95	15.95	15.95	18.7	0.0	
100	PI2 BPSK	1	137	15.93	15.93	15.93	18.7	0.0	
100	PI2 BPSK	1	271	15.98	15.98	15.98	18.7	0.0	
100	PI2 BPSK	135	0	15.97	15.97	15.97	18.7	0.0	
100	PI2 BPSK	135	88	15.98	15.98	15.98	18.7	0.0	
100	PI2 BPSK	135	138	15.97	15.97	15.97	18.7	0.0	
100	PI2 BPSK	270	0	15.98	15.98	15.98	18.7	0.0	
100	QPSK	1	1	17.02	17.02	17.02	18.7	0.0	
100	QPSK	1	137	16.92	16.92	16.92	18.7	0.0	
100	QPSK	1	271	16.97	16.97	16.97	18.7	0.0	
100	QPSK	135	0	16.97	16.97	16.97	18.7	0.0	
100	QPSK	135	88	16.93	16.93	16.93	18.7	0.0	
100	QPSK	135	138	16.98	16.98	16.98	18.7	0.0	
100	QPSK	270	0	16.97	16.97	16.97	18.7	0.0	
100	16QAM	1	1	17.06	17.06	17.06	18.7	0.0	
100	16QAM	1	137	16.98	16.98	16.98	18.7	0.0	
100	256QAM	1	1	17.00	17.00	17.00	18.7	0.0	
Channel									
80	Frequency (MHz)			8335.00	8335.00	8335.00			
80	QPSK	1	1	14.57	14.57	14.57	18.7	0.0	
80	QPSK	1	137	14.55	14.55	14.55	18.7	0.0	
80	QPSK	1	271	14.60	14.60	14.60	18.7	0.0	
80	QPSK	135	0	14.59	14.59	14.59	18.7	0.0	
80	QPSK	135	88	14.58	14.58	14.58	18.7	0.0	
80	QPSK	135	138	14.57	14.57	14.57	18.7	0.0	
80	QPSK	270	0	14.58	14.58	14.58	18.7	0.0	
80	QPSK	1	1	16.04	16.04	16.04	18.7	0.0	
80	QPSK	1	137	15.94	15.94	15.94	18.7	0.0	
80	QPSK	1	271	16.00	16.00	16.00	18.7	0.0	
80	QPSK	135	0	16.00	16.00	16.00	18.7	0.0	
80	QPSK	135	88	15.95	15.95	15.95	18.7	0.0	
80	QPSK	135	138	16.00	16.00	16.00	18.7	0.0	
80	QPSK	270	0	16.00	16.00	16.00	18.7	0.0	
80	16QAM	1	1	17.04	17.04	17.04	18.7	0.0	
80	16QAM	1	137	16.94	16.94	16.94	18.7	0.0	
80	256QAM	1	1	17.00	17.00	17.00	18.7	0.0	
Channel									
70	Frequency (MHz)			8335.00	8335.00	8335.00			
70	QPSK	1	1	15.96	15.96	15.96	18.7	0.0	
70	QPSK	1	137	15.97	15.97	15.97	18.7	0.0	
70	QPSK	1	271	16.00	16.00	16.00	18.7	0.0	
70	QPSK	135	0	16.00	16.00	16.00	18.7	0.0	
70	QPSK	135	88	15.97	15.97	15.97	18.7	0.0	
70	QPSK	135	138	16.00	16.00	16.00	18.7	0.0	
70	QPSK	270	0	16.00	16.00	16.00	18.7	0.0	
70	QPSK	1	1	17.04	17.04	17.04	18.7	0.0	
70	QPSK	1	137	16.94	16.94	16.94	18.7	0.0	
70	QPSK	1	271	17.00	17.00	17.00	18.7	0.0	
70	QPSK	135	0	17.00	17.00	17.00	18.7	0.0	
70	QPSK	135	88	16.95	16.95	16.95	18.7	0.0	
70	QPSK	135	138	17.00	17.00	17.00	18.7	0.0	
70	QPSK	270	0	17.00	17.00	17.00	18.7	0.0	
70	16QAM	1	1	17.04	17.04	17.04	18.7	0.0	
70	16QAM	1	137	16.94	16.94	16.94	18.7	0.0	
70	256QAM	1	1	17.00	17.00	17.00	18.7	0.0	

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)	
Channel									
100	Frequency (MHz)			8335.00	8335.00	8335.00			
100	PI2 BPSK	1	1	17.02	17.02	17.02	18.7	0.0	
100	PI2 BPSK	1	137	17.01	17.01	17.01	18.7	0.0	
100	PI2 BPSK	1	271	17.08	17.08	17.08	18.7	0.0	
100	PI2 BPSK	135	0	17.02	17.02	17.02	18.7	0.0	
100	PI2 BPSK	135	88	17.01	17.01	17.01	18.7	0.0	
100	PI2 BPSK	135	138	17.04	17.04	17.04	18.7	0.0	
100	PI2 BPSK	270	0	17.05	17.05	17.05	18.7	0.0	
100	QPSK	1	1	17.15	17.15	17.15	18.7	0.0	
100	QPSK	1	137	17.05	17.05	17.05	18.7	0.0	
100	QPSK	1	271	17.10	17.10	17.10	18.7	0.0	
100	QPSK	135	0	17.07	17.07	17.07	18.7	0.0	
100	QPSK	135	88	17.03	17.03	17.03	18.7	0.0	
100	QPSK	135	138	17.08	17.08	17.08	18.7	0.0	
100	QPSK	270	0	17.04	17.04	17.04	18.7	0.0	
100	16QAM	1	1	17.16	17.16	17.16	18.7	0.0	
100	16QAM	1	137	17.06	17.06	17.06	18.7	0.0	
100	256QAM	1	1	17.12	17.12	17.12	18.7	0.0	
Channel									
80	Frequency (MHz)			8335.00	8335.00	8335.00			
80	QPSK	1	1	17.04	17.04	17.04	18.7	0.0	
80	QPSK	1	137	17.03	17.03	17.03	18.7	0.0	
80	QPSK	1	271	17.08	17.08	17.08	18.7	0.0	
80	QPSK	135	0	17.04	17.04	17.04	18.7	0.0	
80	QPSK	135	88	17.03	17.03	17.03	18.7	0.0	
80	QPSK	135	138	17.06	17.06	17.06	18.7	0.0	
80	QPSK	270	0	17.04	17.04	17.04	18.7	0.0	
80	QPSK	1	1	17.16	17.16	17.16	18.7	0.0	
80	QPSK	1	137	17.06	17.06	17.06	18.7	0.0	
80	QPSK	1	271	17.10	17.10	17.10	18.7	0.0	
80	QPSK	135	0	17.07	17.07	17.07	18.7	0.0	
80	QPSK	135	88	17.03	17.03	17.03	18.7	0.0	
80	QPSK	135	138	17.08	17.08	17.08	18.7	0.0	
80	QPSK	270	0	17.04	17.04	17.04	18.7	0.0	
80	16QAM	1	1	17.16	17.16	17.16	18.7	0.0	
80	16QAM	1	137	17.06	17.06	17.06	18.7	0.0	
80	256QAM	1	1	17.12	17.12	17.12	18.7	0.0	
Channel									
70	Frequency (MHz)			8335.00	8335.00	8335.00			
70	QPSK	1	1	17.04	17.04	17.04	18.7	0.0	
70	QPSK	1	137	17.03	17.03	17.03	18.7	0.0	
70	QPSK	1	271	17.08	17.08	17.08	18.7	0.0	
70	QPSK	135	0	17.04	17.04	17.04	18.7	0.0	
70	QPSK	135	88	17.03	17.03	17.03	18.7	0.0	
70	QPSK	135	138	17.06	17.06	17.06	18.7	0.0	
70	QPSK	270	0	17.04	17.04	17.04	18.7	0.0	
70	QPSK	1	1	17.16	17.16	17.16	18.7	0.0	
70	QPSK	1	137	17.06	17.06	17.06	18.7	0.0	
70	QPSK	1	271	17.10	17.10	17.10	18.7	0.0	
70	QPSK	135	0	17.07	17.07	17.07	18.7	0.0	
70	QPSK	135	88	17.03	17.03	17.03	18.7	0.0	
70	QPSK	135	138	17.08	17.08	17.08	18.7	0.0	
70	QPSK	270	0	17.04	17.04	17.04	18.7	0.0	
70	16QAM	1	1	17.16	17.16	17.16	18.7	0.0	
70	16QAM	1	137	17.06	17.06	17.06	18.7	0.0	
70	256QAM	1	1	17.12	17.12	17.12	18.7	0.0	

Part27Q_n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			
100	PI2 BPSK	1	1	15.93	15.93	15.93	18.7	0.0	
100	PI2 BPSK	1	137	15.92	15.92	15.92	18.7	0.0	
100	PI2 BPSK	1	271	15.98	15.98	15.98	18.7	0.0	
100	PI2 BPSK	135	0	15.97	15.97	15.97	18.7	0.0	
100	PI2 BPSK	135	88	15.98	15.98	15.98	18.7	0.0	
100	PI2 BPSK	135	138	15.97	15.97	15.97	18.7	0.0	
100	PI2 BPSK	270	0	15.98	15.98	15.98	18.7	0.0	
100	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	
100	QPSK	1	137	16.92	16.92	16.92	18.7	0.0	
100	QPSK	1	271	16.97	16.97	16.97	18.7	0.0	
100	QPSK	135	0	16.97	16.97	16.97	18.7	0.0	
100	QPSK	135	88	16.93	16.93	16.93	18.7	0.0	
100	QPSK	135	138	16.98	16.98	16.98	18.7	0.0	
100	QPSK	270	0	16.97	16.97	16.97	18.7	0.0	
100	16QAM	1	1	17.04	17.04	17.04	18.7	0.0	
100	16QAM	1	137	16.98	16.98	16.98	18.7	0.0	
100	256QAM	1	1	17.00	17.00	17.00	18.7	0.0	
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	PI2 BPSK	1	1	15.93	15.93	15.93	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	PI2 BPSK	1	1	15.93	15.93	15.93	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16.96	18.7	0.0	MFR
Channel									
Frequency (MHz)				8333.02	8333.02	8333.02			MFR
50	QPSK	1	1	16.96	16.96	16			

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Bit (MHz)	Modulation	Channel	RB Offset	Power Low (Ch. Freq)	Power High (Ch. Freq)	Power High (Ch. Freq)	Notes and Comments (MHz)
100	QPSK	Channel		93.0000	93.0000	93.0000	
100	QPSK	Frequency		93.0000	93.0000	93.0000	
100	QPSK	Channel	1	137	13.20	13.20	17.2 0.0
100	QPSK	Frequency	1	271	16.33	16.33	
100	QPSK	Channel	1	137	13.20	13.20	17.2 0.0
100	QPSK	Frequency	1	271	16.33	16.33	
100	QPSK	Channel	69	69	16.36	16.36	17.2 0.0
100	QPSK	Frequency	69	135	16.24	16.24	
100	QPSK	Channel	1	1	16.36	16.36	17.2 0.0
100	QPSK	Frequency	1	135	16.24	16.24	
100	QPSK	Channel	1	1	16.36	16.36	17.2 0.0
100	QPSK	Frequency	1	135	16.24	16.24	
100	QPSK	Channel	1	271	16.36	16.36	17.2 0.0
100	QPSK	Frequency	1	271	16.33	16.33	
100	QPSK	Channel	135	69	16.27	16.27	17.2 0.0
100	QPSK	Frequency	135	69	16.27	16.27	
100	QPSK	Channel	135	135	16.25	16.25	17.2 0.0
100	QPSK	Frequency	135	135	16.25	16.25	
100	QPSK	Channel	271	69	16.36	16.36	17.2 0.0
100	QPSK	Frequency	271	69	16.27	16.27	
100	QPSK	Channel	271	1	16.32	16.32	17.2 0.0
100	QPSK	Frequency	271	1	16.32	16.32	
100	QPSK	Channel		93.0000	93.0000	93.0000	Intercepted by MPX
100	QPSK	Frequency		93.0000	93.0000	93.0000	
100	QPSK	Channel		16.26	16.26	16.26	Intercepted by MPX
100	QPSK	Frequency		16.26	16.26	16.26	
100	QPSK	Channel		93.0068	93.0068	93.0068	Intercepted by MPX
100	QPSK	Frequency		93.0068	93.0068	93.0068	
100	QPSK	Channel		16.31	16.24	16.25	17.2 0.0
100	QPSK	Frequency		16.31	16.24	16.25	
100	QPSK	Channel		93.0334	93.0332	93.0332	Intercepted by MPX
100	QPSK	Frequency		93.0334	93.0332	93.0332	
100	QPSK	Channel		16.25	16.36	16.28	17.2 0.0
100	QPSK	Frequency		16.25	16.36	16.28	
100	QPSK	Channel		93.0000	93.0000	93.0000	Intercepted by MPX
100	QPSK	Frequency		93.0000	93.0000	93.0000	
100	QPSK	Channel		16.31	17.35	17.37	17.2 0.0
100	QPSK	Frequency		16.31	17.35	17.37	
100	QPSK	Channel		34.7150	34.6988	34.6988	Intercepted by MPX
100	QPSK	Frequency		34.7150	34.6988	34.6988	
100	QPSK	Channel		16.26	16.34	16.28	17.2 0.0
100	QPSK	Frequency		16.26	16.34	16.28	
100	QPSK	Channel		34.7151	34.6998	34.6998	Intercepted by MPX
100	QPSK	Frequency		34.7151	34.6998	34.6998	
100	QPSK	Channel		16.33	16.36	16.36	17.2 0.0
100	QPSK	Frequency		16.33	16.36	16.36	
100	QPSK	Channel		34.7151	34.6998	34.6998	Intercepted by MPX
100	QPSK	Frequency		34.7151	34.6998	34.6998	
100	QPSK	Channel		16.33	16.36	16.36	17.

[illegible]

Part27Q_n78_Ant 7							
Bit (MHz)	Modulation	RB Size	RB Offset	Power Low (Ch. Freq.)	Power High (Ch. Freq.)	Power High (adj. freq.)	MPR (dB)
Channel				635352			
Frequency (MHz)				3670.50			
100	QPSK	1	137	13.40	13.40		0.0
100	QPSK	1	137	13.80	13.80	17.2	0.0
100	QPSK	1	271	13.40	13.40		0.0
100	QPSK	1	271	13.80	13.80	17.2	0.0
100	QPSK	150	0	15.54	15.54	17.2	0.0
100	QPSK	150	150	15.50	15.50		0.0
100	QPSK	150	150	15.90	15.90	17.2	0.0
100	QPSK	1	1	16.44	16.44		0.0
100	QPSK	1	1	16.80	16.80	17.2	0.0
100	QPSK	1	271	13.40	13.40		0.0
100	QPSK	150	0	15.43	15.43	17.2	0.0
100	QPSK	150	150	15.43	15.43	17.2	0.0
100	QPSK	150	150	15.80	15.80	17.2	0.0
100	QPSK	150	150	16.40	16.40	17.2	0.0
100	QPSK	270	0	15.91	15.91	17.2	0.0
100	QPSK	270	270	16.27	16.27	17.2	0.0
100	QPSK	270	270	16.63	16.63	17.2	0.0
Channel				635360	635362	635668	Power low (adj. freq.)
Frequency (MHz)				3670.50			MPR
100	QPSK	1	1	15.41	15.41	15.49	17.2
Channel				635668	635362	634000	Power low
Frequency (MHz)				3670.50			MPR
100	QPSK	1	1	15.83	15.80	15.80	17.2
Channel				634354	635362	634340	Power low
Frequency (MHz)				3670.50			MPR
100	QPSK	1	1	15.80	15.80	15.80	17.2
70	QPSK	1	1	15.49	15.80	15.80	17.2
Channel				635668	635362	635668	Power low (adj. freq.)
Frequency (MHz)				3670.50			MPR
100	QPSK	1	1	15.92	15.92	15.90	17.2
Channel				634000	635362	634000	Power low
Frequency (MHz)				3670.50			MPR
100	QPSK	1	1	16.10	16.10	16.08	17.2
Channel				3670.50	3670.50	3670.50	Power low (adj. freq.)
100	QPSK	1	1	15.50	15.50	15.54	17.2
100	QPSK	1	1	15.90	15.90	15.94	17.2
Channel				3670.50	3670.50	3670.50	Power low (adj. freq.)
100	QPSK	1	1	16.10	16.10	16.08	17.2
100	QPSK	1	1	16.50	16.50	16.54	17.2
Channel				635668	635362	635668	Power low (adj. freq.)
Frequency (MHz)				3670.50			MPR
100	QPSK	1	1	15.90	15.90	15.94	17.2
20	QPSK	1	1	15.49	15.80	15.80	17.2

Part270_r78(HPUe)_Ant 7						
Ref [MHz]	Modulation	Ref ID	Ref Offset	Power Low Ch Offset	Power High Ch Offset	Power High Ch Offset
		Channel		030332		
100	Frequency (MHz)			34.915		
100	QPSK	151	137	15.40		
100	QPSK	151	137	15.40		17.2
100	QPSK	151	211	15.43		
100	QPSK	151	211	15.43		17.2
100	QPSK	151	60	15.54		
100	QPSK	151	60	15.54		17.2
100	QPSK	151	138	15.56		
100	QPSK	151	138	15.56		17.2
100	QPSK	151	211	15.64		
100	QPSK	151	211	15.64		17.2
100	QPSK	151	60	15.72		
100	QPSK	151	60	15.72		17.2
100	QPSK	151	138	15.85		
100	QPSK	151	138	15.85		17.2
100	QPSK	201	6	15.91		
100	QPSK	201	6	15.91		17.2
100	QPSK	201	138	16.07		
100	QPSK	201	138	16.07		17.2
100	QPSK	201	6	16.23		
100	QPSK	201	6	16.23		17.2
		Channel		030300	030332	030698
100	Frequency (MHz)			34.915	34.915	34.915
100	QPSK	151	137	15.40	15.40	15.40
100	QPSK	151	137	15.40	15.40	15.40
		Channel		030666	030332	030400
100	Frequency (MHz)			34.915	34.915	34.915
100	QPSK	151	137	15.83	15.59	15.83
100	QPSK	151	137	15.83	15.59	15.83
		Channel		030334	030332	030430
100	Frequency (MHz)			34.915	34.915	34.915
100	QPSK	151	137	15.49	15.80	15.58
100	QPSK	151	137	15.49	15.80	15.58
		Channel		030300	030332	030430
100	Frequency (MHz)			34.915	34.915	34.915
100	QPSK	151	137	15.52	15.52	15.58
100	QPSK	151	137	15.52	15.52	15.58
		Channel		34.9152	34.918	35.01
100	Frequency (MHz)			34.9152	34.918	35.01
100	QPSK	151	137	15.50	15.50	15.54
100	QPSK	151	137	15.50	15.50	15.54
		Channel		34.9161	34.918	35.018
100	Frequency (MHz)			34.9161	34.918	35.018
100	QPSK	151	137	15.53	15.53	15.54
100	QPSK	151	137	15.53	15.53	15.54
		Channel		030300	030332	030430
100	Frequency (MHz)			34.915	34.915	34.915
100	QPSK	151	137	15.61	15.63	15.63
100	QPSK	151	137	15.61	15.63	15.63
		Channel		030666	030332	030400
100	Frequency (MHz)			34.9162	34.918	35.018
100	QPSK	151	137	15.59	15.59	15.59
100	QPSK	151	137	15.59	15.59	15.59

Part27Q_n78_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Monitor Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		15.45				
100	PI2 BPSK	1	137		15.58		17.2	0.0	
100	PI2 BPSK	1	211		15.52				
100	PI2 BPSK	135	0		15.80		17.2	0.0	
100	PI2 BPSK	135	86		15.57		17.2	0.0	
100	PI2 BPSK	135	138		15.82		17.2	0.0	
100	PI2 BPSK	270	0		15.82				
100	QPSK	1	1		15.53				
100	QPSK	1	137		15.53		17.2	0.0	
100	QPSK	1	211		15.53				
100	QPSK	135	0		15.50		17.2	0.0	
100	QPSK	135	86		15.58		17.2	0.0	
100	QPSK	135	138		15.48		17.2	0.0	
100	QPSK	270	0		15.57				
100	16QAM	1	1		15.46		17.2	0.0	
100	16QAM	1	1		15.55		17.2	0.0	
100	256QAM	1	1		15.50		17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.45				MPR
80	QPSK	1	137		15.58		17.2	0.0	MPR
80	QPSK	1	211		15.52				MPR
80	QPSK	135	0		15.80		17.2	0.0	MPR
80	QPSK	135	86		15.57		17.2	0.0	MPR
80	QPSK	135	138		15.82		17.2	0.0	MPR
80	QPSK	270	0		15.82				MPR
80	QPSK	1	1		15.53				MPR
80	QPSK	1	137		15.53		17.2	0.0	MPR
80	QPSK	1	211		15.53				MPR
80	QPSK	135	0		15.50		17.2	0.0	MPR
80	QPSK	135	86		15.58		17.2	0.0	MPR
80	QPSK	135	138		15.48		17.2	0.0	MPR
80	QPSK	270	0		15.57				MPR
80	16QAM	1	1		15.46		17.2	0.0	MPR
80	16QAM	1	1		15.55		17.2	0.0	MPR
80	256QAM	1	1		15.50		17.2	0.0	MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1		15.45				MPR
30	QPSK	1	137		15.58		17.2	0.0	MPR
30	QPSK	1	211		15.52				MPR
30	QPSK	135	0		15.80		17.2	0.0	MPR
30	QPSK	135	86		15.57		17.2	0.0	MPR
30	QPSK	135	138		15.82		17.2	0.0	MPR
30	QPSK	270	0		15.82				MPR
30	QPSK	1	1		15.53				MPR
30	QPSK	1	137		15.53		17.2	0.0	MPR
30	QPSK	1	211		15.53				MPR
30	QPSK	135	0		15.50		17.2	0.0	MPR
30	QPSK	135	86		15.58		17.2	0.0	MPR
30	QPSK	135	138		15.48		17.2	0.0	MPR
30	QPSK	270	0		15.57				MPR
30	16QAM	1	1		15.46		17.2	0.0	MPR
30	16QAM	1	1		15.55		17.2	0.0	MPR
30	256QAM	1	1		15.50		17.2	0.0	MPR

Part27Q_n78(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Monitor Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		15.45				
100	PI2 BPSK	1	137		15.58		17.2		0.0
100	PI2 BPSK	1	211		15.52				
100	PI2 BPSK	135	0		15.80		17.2		0.0
100	PI2 BPSK	135	86		15.57		17.2		0.0
100	PI2 BPSK	135	138		15.82		17.2		0.0
100	PI2 BPSK	270	0		15.82				
100	QPSK	1	1		15.53				
100	QPSK	1	137		15.53		17.2		0.0
100	QPSK	1	211		15.53				
100	QPSK	135	0		15.50		17.2		0.0
100	QPSK	135	86		15.58		17.2		0.0
100	QPSK	135	138		15.48		17.2		0.0
100	QPSK	270	0		15.57				
100	16QAM	1	1		15.46		17.2		0.0
100	256QAM	1	1		15.50		17.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.45				MPR
80	QPSK	1	137		15.58		17.2		0.0
80	QPSK	1	211		15.52				
80	QPSK	135	0		15.80		17.2		0.0
80	QPSK	135	86		15.57		17.2		0.0
80	QPSK	135	138		15.82		17.2		0.0
80	QPSK	270	0		15.82				
80	QPSK	1	1		15.53				
80	QPSK	1	137		15.53		17.2		0.0
80	QPSK	1	211		15.53				
80	QPSK	135	0		15.50		17.2		0.0
80	QPSK	135	86		15.58		17.2		0.0
80	QPSK	135	138		15.48		17.2		0.0
80	QPSK	270	0		15.57				
80	16QAM	1	1		15.46		17.2		0.0
80	16QAM	1	1		15.55		17.2		0.0
80	256QAM	1	1		15.50		17.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		15.45				MPR
30	QPSK	1	137		15.58		17.2		0.0
30	QPSK	1	211		15.52				
30	QPSK	135	0		15.80		17.2		0.0
30	QPSK	135	86		15.57		17.2		0.0
30	QPSK	135	138		15.82		17.2		0.0
30	QPSK	270	0		15.82				
30	QPSK	1	1		15.53				
30	QPSK	1	137		15.53		17.2		0.0
30	QPSK	1	211		15.53				
30	QPSK	135	0		15.50		17.2		0.0
30	QPSK	135	86		15.58		17.2		0.0
30	QPSK	135	138		15.48		17.2		0.0
30	QPSK	270	0		15.57				
30	16QAM	1	1		15.46		17.2		0.0
30	16QAM	1	1		15.55		17.2		0.0
30	256QAM	1	1		15.50		17.2		0.0

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Monitor Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	16.99					
100	PI2 BPSK	1	137	16.97			18.7		0.0
100	PI2 BPSK	1	211	17.06					
100	PI2 BPSK	135	0	17.04			18.7		0.0
100	PI2 BPSK	135	86	17.03			18.7		0.0
100	PI2 BPSK	135	138	16.93			18.7		0.0
100	PI2 BPSK	270	0	16.92					
100	QPSK	1	1	17.07					
100	QPSK	1	137	17.05			18.7		0.0
100	QPSK	1	211	17.04					
100	QPSK	135	0	16.99			18.7		0.0
100	QPSK	135	86	17.03			18.7		0.0
100	QPSK	135	138	17.02			18.7		0.0
100	QPSK	270	0	16.99					
100	16QAM	1	1	17.03			18.7		0.0
100	256QAM	1	1	17.05			18.7		0.0
100	256QAM	1	1	16.95					
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.99	16.99	16.99			0.0
80	QPSK	1	137	16.97	16.97	16.97	18.7		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.04	17.04	17.04			0.0
80	QPSK	1	137	17.02	17.02	17.02	18.7		0.0
80	QPSK	1	211	17.06	17.06	17.06			0.0
80	QPSK	135	0	17.04	17.04	17.04	18.7		0.0
80	QPSK	135	86	17.03	17.03	17.03	18.7		0.0
80	QPSK	135	138	16.93	16.93	16.93	18.7		0.0
80	QPSK	270	0	16.92	16.92	16.92			
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.99	16.99	16.99			0.0
80	QPSK	1	137	16.97	16.97	16.97	18.7		0.0
80	QPSK	1	211	17.06	17.06	17.06			0.0
80	QPSK	135	0	17.04	17.04	17.04	18.7		0.0
80	QPSK	135	86	17.03	17.03	17.03	18.7		0.0
80	QPSK	135	138	16.93	16.93	16.93	18.7		0.0
80	QPSK	270	0	16.92	16.92	16.92			
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.99	16.99	16.99			0.0
40	QPSK	1	137	16.97	16.97	16.97	18.7		0.0
40	QPSK	1	211	17.06	17.06	17.06			0.0
40	QPSK	135	0	17.04	17.04	17.04	18.7		0.0
40	QPSK	135	86	17.03	17.03	17.03	18.7		0.0
40	QPSK	135	138	16.93	16.93	16.93	18.7		0.0
40	QPSK	270	0	16.92	16.92	16.92			
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.99	16.99	16.99			0.0
20	QPSK	1	137	16.97	16.97	16.97	18.7		0.0
20	QPSK	1	211	17.06	17.06	17.06			0.0
20	QPSK	135	0	17.04	17.04	17.04	18.7		0.0
20	QPSK	135	86	17.03	17.03	17.03	18.7		0.0
20	QPSK	135	138	16.93	16.93	16.93	18.7		0.0
20	QPSK	270	0	16.92	16.92	16.92			

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
100	Frequency (MHz)								
100	PL2 BPSK	1	1	17.01					
100	PL2 BPSK	1	137	17.03			18.7	0.0	
100	PL2 BPSK	1	271	17.05					
100	PL2 BPSK	135	0	17.10			18.7	0.0	
100	PL2 BPSK	135	66	17.06			18.7	0.0	
100	PL2 BPSK	135	138	17.07			18.7	0.0	
100	QPSK	1	1	17.14					
100	QPSK	1	137	17.15			18.7	0.0	
100	QPSK	1	271	17.16					
100	QPSK	135	0	16.99			18.7	0.0	
100	QPSK	135	66	17.13			18.7	0.0	
100	QPSK	135	138	17.05			18.7	0.0	
100	QPSK	270	0	17.07					
100	16QAM	1	1	17.02			18.7	0.0	
100	16QAM	1	1	17.12			18.7	0.0	
100	256QAM	1	1	17.08			18.7	0.0	
Channel									
80	Frequency (MHz)			845050	851302	857554			
80	QPSK	1	1	17.12	17.04	17.14	18.7	0.0	
Channel									
80	Frequency (MHz)			845334	850666	856000			
80	QPSK	1	1	17.09	17.12	17.06	18.7	0.0	
Channel									
80	Frequency (MHz)			846000	850000	851000			
80	QPSK	1	1	17.12	17.06	17.08	18.7	0.0	
Channel									
80	Frequency (MHz)			846886	850000	851330			
80	QPSK	1	1	17.09	17.01	17.11	18.7	0.0	
Channel									
80	Frequency (MHz)			847247	849900	850000			
80	QPSK	1	1	17.04	17.02	17.04	18.7	0.0	
Channel									
80	Frequency (MHz)			847554	849900	850000			
80	QPSK	1	1	17.06	17.00	17.02	18.7	0.0	

Part27Q_n78(HPUe)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1	17.01					
100	PL2 BPSK	1	137	17.03			18.7		
100	PL2 BPSK	1	271	17.05					
100	PL2 BPSK	135	0	17.10			18.7		
100	PL2 BPSK	135	66	17.06			18.7	0.0	
100	PL2 BPSK	135	138	17.07			18.7	0.0	
100	PL2 BPSK	270	0	17.08					
100	QPSK	1	1	17.14					
100	QPSK	1	137	17.15			18.7		
100	QPSK	1	271	17.16					
100	QPSK	135	0	16.99			18.7		
100	QPSK	135	66	17.13			18.7	0.0	
100	QPSK	135	138	17.05			18.7	0.0	
100	QPSK	270	0	17.07					
100	16QAM	1	1	17.02			18.7		
100	16QAM	1	1	17.12			18.7		
100	256QAM	1	1	17.08			18.7		
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.02	17.04	17.14	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.09	17.12	17.06	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.12	17.06	17.08	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.04	17.02	17.04	18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.06	17.00	17.02	18.7	0.0	

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
100	PL2 BPSK	1	1	14.99					
100	PL2 BPSK	1	137	15.03			15.7		
100	PL2 BPSK	1	271	15.04					
100	PL2 BPSK	135	0	14.90			15.7		
100	PL2 BPSK	135	66	14.99			15.7		
100	PL2 BPSK	135	138	14.93			15.7	0.0	
100	QPSK	1	1	15.05			15.7		
100	QPSK	1	137	15.04			15.7		
100	QPSK	1	271	15.01					
100	QPSK	135	0	14.98			15.7		
100	QPSK	135	66	15.00			15.7		
100	QPSK	135	138	14.90			15.7	0.0	
100	QPSK	270	0	15.03					
100	16QAM	1	1	15.02			15.7		
100	256QAM	1	1	15.05			15.7		
100	256QAM	1	1	15.04			15.7		
Channel									
80	Frequency (MHz)			833000	833332	833666			
80	QPSK	1	1	15.04	14.92	15.00	15.7		
Channel									
80	Frequency (MHz)			833334	833666	834000			
80	QPSK	1	1	15.04	14.98	14.94	15.7		
Channel									
80	Frequency (MHz)			833334	833332	834332			
80	QPSK	1	1	15.02	14.92	15.02	15.7		
Channel									
80	Frequency (MHz)			833000	833332	834666			
80	QPSK	1	1	14.93	15.03	14.97	15.7		
Channel									
80	Frequency (MHz)			833334	833332	835000			
80	QPSK	1	1	14.98	14.92	14.92	15.7		
Channel									
80	Frequency (MHz)			833000	833332	835332			
80	QPSK	1	1	14.90	14.97	14.99	15.7		
Channel									
80	Frequency (MHz)			833334	833332	835666			
80	QPSK	1	1	14.94	14.90	14.94	15.7		
Channel									
80	Frequency (MHz)			833000	833332	836000			
80	QPSK	1	1	15.02	14.92	14.98	15.7		

Part27Q_n78(HPUe)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				14938.08					
100	PL2 BPSK	1	1	14.99					
100	PL2 BPSK	1	137	15.03			15.7	0.0	
100	PL2 BPSK	1	271	15.04					
100	PL2 BPSK	135	0	14.90			15.7	0.0	
100	PL2 BPSK	135	66	14.99			15.7	0.0	
100	PL2 BPSK	135	138	14.93			15.7	0.0	
100	QPSK	1	1	15.05					
100	QPSK	1	137	15.04			15.7	0.0	
100	QPSK	1	271	15.01					
100	QPSK	135	0	14.98			15.7	0.0	
100	QPSK	135	66	15.00			15.7	0.0	
100	QPSK	135	138	14.90			15.7	0.0	
100	QPSK	270	0	15.03					
100	16QAM	1	1	15.02			15.7	0.0	
100	16QAM	1	1	15.05			15.7	0.0	
100	256QAM	1	1	15.04			15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	833666			
80	QPSK	1	1	15.04	14.92	15.00	15.7	0.0	
Channel									
Frequency (MHz)				833334	833666	834000			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	834332			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	834666			
80	QPSK	1	1	14.93	15.03	14.97	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	835000			
80	QPSK	1	1	14.96	14.92	14.99	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	835332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	835666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	836000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	836332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	836666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	837000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	837332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	837666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	838000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	838332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	838666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	839000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	839332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	839666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	840000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	840332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	840666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	841000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	841332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	841666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	842000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	842332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	842666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	843000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	843332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	843666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	844000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	844332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	844666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	845000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	845332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	845666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	846000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	846332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	846666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	847000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	847332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	847666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	848000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	848332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	848666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	849000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	849332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	849666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	850000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	850332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	850666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	851000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	851332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	851666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	852000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	852332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	852666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	853000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	853332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	853666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	854000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	854332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	854666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	855000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	855332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	855666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	856000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	856332			
80	QPSK	1	1	15.04	14.98	14.94	15.7	0.0	
Channel									
Frequency (MHz)				833334	833332	856666			
80	QPSK	1	1	15.02	14.92	15.02	15.7	0.0	
Channel									
Frequency (MHz)				833000	833332	857000			
80	QPSK	1	1	14.96	14.92	14.94	15.7	0.0	
Channel</									

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIC2 BPSK	1	1		15.35				
100	PIC2 BPSK	1	137		15.34		15.7	0.0	
100	PIC2 BPSK	1	271		15.33				
100	PIC2 BPSK	135	0		15.29		15.7	0.0	
100	PIC2 BPSK	135	66		15.34		15.7	0.0	
100	PIC2 BPSK	135	138		15.33		15.7	0.0	
100	PIC2 BPSK	270	0		15.22				
100	QPSK	1	1		15.37				
100	QPSK	1	137		15.34		15.7	0.0	
100	QPSK	1	271		15.32				
100	QPSK	135	0		15.28		15.7	0.0	
100	QPSK	135	66		15.33		15.7	0.0	
100	QPSK	135	138		15.30		15.7	0.0	
100	QPSK	270	0		15.37				
100	16QAM	1	1		15.36		15.7	0.0	
100	16QAM	1	1		15.35		15.7	0.0	
100	256QAM	1	1		15.35		15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.29		15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.26		15.7	0.0	
80	QPSK	135	0		15.31		15.7	0.0	
80	QPSK	135	66		15.30		15.7	0.0	
80	QPSK	135	138		15.27		15.7	0.0	
80	QPSK	270	0		15.37				
80	16QAM	1	1		15.36		15.7	0.0	
80	16QAM	1	1		15.35		15.7	0.0	
80	256QAM	1	1		15.35		15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1		15.26		15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1		15.25		15.7	0.0	
70	QPSK	135	0		15.30		15.7	0.0	
70	QPSK	135	66		15.29		15.7	0.0	
70	QPSK	135	138		15.26		15.7	0.0	
70	QPSK	270	0		15.37				
70	16QAM	1	1		15.36		15.7	0.0	
70	16QAM	1	1		15.35		15.7	0.0	
70	256QAM	1	1		15.35		15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1		15.24		15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1		15.23		15.7	0.0	
60	QPSK	135	0		15.28		15.7	0.0	
60	QPSK	135	66		15.27		15.7	0.0	
60	QPSK	135	138		15.24		15.7	0.0	
60	QPSK	270	0		15.37				
60	16QAM	1	1		15.26		15.7	0.0	
60	16QAM	1	1		15.25		15.7	0.0	
60	256QAM	1	1		15.25		15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		15.22		15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		15.21		15.7	0.0	
50	QPSK	135	0		15.26		15.7	0.0	
50	QPSK	135	66		15.25		15.7	0.0	
50	QPSK	135	138		15.22		15.7	0.0	
50	QPSK	270	0		15.37				
50	16QAM	1	1		15.24		15.7	0.0	
50	16QAM	1	1		15.23		15.7	0.0	
50	256QAM	1	1		15.23		15.7	0.0	

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIC2 BPSK	1	1		15.35				
100	PIC2 BPSK	1	137		15.34		15.7	0.0	
100	PIC2 BPSK	1	271		15.33				
100	PIC2 BPSK	135	0		15.29		15.7	0.0	
100	PIC2 BPSK	135	66		15.34		15.7	0.0	
100	PIC2 BPSK	135	138		15.33		15.7	0.0	
100	PIC2 BPSK	270	0		15.22				
100	QPSK	1	1		15.37				
100	QPSK	1	137		15.34		15.7	0.0	
100	QPSK	1	271		15.32				
100	QPSK	135	0		15.28		15.7	0.0	
100	QPSK	135	66		15.33		15.7	0.0	
100	QPSK	135	138		15.30		15.7	0.0	
100	QPSK	270	0		15.37				
100	16QAM	1	1		15.36		15.7	0.0	
100	16QAM	1	1		15.35		15.7	0.0	
100	256QAM	1	1		15.35		15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.29		15.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		15.26		15.7	0.0	
80	QPSK	135	0		15.31		15.7	0.0	
80	QPSK	135	66		15.30		15.7	0.0	
80	QPSK	135	138		15.27		15.7	0.0	
80	QPSK	270	0		15.37				
80	16QAM	1	1		15.36		15.7	0.0	
80	16QAM	1	1		15.35		15.7	0.0	
80	256QAM	1	1		15.35		15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1		15.26		15.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1		15.25		15.7	0.0	
70	QPSK	135	0		15.30		15.7	0.0	
70	QPSK	135	66		15.29		15.7	0.0	
70	QPSK	135	138		15.26		15.7	0.0	
70	QPSK	270	0		15.37				
70	16QAM	1	1		15.36		15.7	0.0	
70	16QAM	1	1		15.35		15.7	0.0	
70	256QAM	1	1		15.35		15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1		15.24		15.7	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1		15.23		15.7	0.0	
60	QPSK	135	0		15.28		15.7	0.0	
60	QPSK	135	66		15.27		15.7	0.0	
60	QPSK	135	138		15.24		15.7	0.0	
60	QPSK	270	0		15.37				
60	16QAM	1	1		15.26		15.7	0.0	
60	16QAM	1	1		15.25		15.7	0.0	
60	256QAM	1	1		15.25		15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		15.22		15.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1		15.21		15.7	0.0	
50	QPSK	135	0		15.26		15.7	0.0	
50	QPSK	135	66		15.25		15.7	0.0	
50	QPSK	135	138		15.22		15.7	0.0	
50	QPSK	270	0		15.37				
50	16QAM	1	1		15.24		15.7	0.0	
50	16QAM	1	1		15.23		15.7	0.0	
50	256QAM	1	1		15.23		15.7	0.0	

Part27Q_n78_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power Mid Ch (dBm)	Power High Ch (dBm)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PIC2 BPSK	1	1		15.49				
100	PIC2 BPSK	1	137		15.27		16.2	0.0	
100	PIC2 BPSK	1	271		15.41				
100	PIC2 BPSK	135	0		15.28		16.2	0.0	
100	PIC2 BPSK	135	66		15.33		16.2	0.0	
100	PIC2 BPSK	135	138		15.40		16.2	0.0	
100	PIC2 BPSK	270	0		15.30				
100	QPSK	1	1		15.49				
100	QPSK	1	137		15.27		16.2	0.0	
100	QPSK	1	271		15.41				
100	QPSK	135	0		15.28		16.2	0.0	
100	QPSK	135	66		15.33		16.2	0.0	
100	QPSK	135	138		15.29		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	
100	QPSK	270	0		15.30		16.2	0.0	

Part270_n78_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. dBm/000	Power Mid Ch./Freq. dBm/000	Power High Ch./Freq. dBm/000	Time-up limit (dBm)
Channel							
100	Fluc BPSK	1	1	14.98			
100	Fluc BPSK	1	137	15.03			16.2 0.0
100	Fluc BPSK	1	271	14.98			
100	Fluc BPSK	135	0	14.97			16.2 0.0
100	Fluc BPSK	135	86	14.98			16.2 0.0
100	Fluc BPSK	135	158	15.04			16.2 0.0
100	Fluc BPSK	270	0	14.97			16.2 0.0
100	QPSK	1	1	15.11			
100	QPSK	1	137	15.08			16.2 0.0
100	QPSK	1	271	15.02			
100	QPSK	135	0	15.05			16.2 0.0
100	QPSK	135	86	15.08			16.2 0.0
100	QPSK	135	158	15.04			16.2 0.0
100	QPSK	270	0	15.03			16.2 0.0
100	16QAM	1	1	15.02			16.2 0.0
100	16QAM	1	1	14.98			16.2 0.0
100	256QAM	1	1	15.02			16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	14.97	15.03	15.10	16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.02	15.03	15.10	16.2 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	14.98	15.08	15.07	16.2 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	14.97	14.98	15.09	16.2 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.09	15.08	15.10	16.2 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.09	15.04	14.98	16.2 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.06	14.98	15.07	16.2 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.10	15.10	15.03	16.2 0.0

Part270_n78(HPUE)_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. dBm/000	Power Mid Ch./Freq. dBm/000	Power High Ch./Freq. dBm/000	Time-up limit (dBm)
Channel							
100	Fluc BPSK	1	1	14.99			
100	Fluc BPSK	1	137	15.03			16.2 0.0
100	Fluc BPSK	1	271	14.99			
100	Fluc BPSK	135	0	14.97			16.2 0.0
100	Fluc BPSK	135	86	14.98			16.2 0.0
100	Fluc BPSK	135	158	15.04			16.2 0.0
100	Fluc BPSK	270	0	14.97			16.2 0.0
100	QPSK	1	1	15.11			
100	QPSK	1	137	15.08			16.2 0.0
100	QPSK	1	271	15.02			
100	QPSK	135	0	15.05			16.2 0.0
100	QPSK	135	86	15.08			16.2 0.0
100	QPSK	135	158	15.04			16.2 0.0
100	QPSK	270	0	15.03			16.2 0.0
100	16QAM	1	1	15.02			16.2 0.0
100	16QAM	1	1	14.99			16.2 0.0
100	256QAM	1	1	15.02			16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	14.97	15.03	15.10	16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.02	15.03	15.10	16.2 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	14.98	15.08	15.07	16.2 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	14.97	14.98	15.09	16.2 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.09	15.08	15.10	16.2 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.09	15.04	14.98	16.2 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.06	14.98	15.07	16.2 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.10	15.10	15.03	16.2 0.0

Reduced Power Mode for EC110

n2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 372600	Power Mode Ch. 1/Freq. 376000	Power High Ch. 1/Freq. 380000	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	22.29	22.32	22.19			
20	PSSBPSK	1	53	22.29	22.37	22.19	23.8		0.0
20	PSSBPSK	1	104	22.19	22.29	22.21			
20	PSSBPSK	50	9	21.75	21.81	21.75	25.3		0.5
20	PSSBPSK	50	28	22.24	22.29	22.25	25.5		0.0
20	PSSBPSK	50	56	21.63	21.75	21.65	25.3		0.5
20	PSSBPSK	100	0	21.75	21.75	21.75			
20	QPSK	1	1	22.27	22.32	22.27			
20	QPSK	1	53	22.27	22.32	22.31	23.8		0.0
20	QPSK	1	104	22.25	22.26	22.13			
20	QPSK	50	9	21.75	21.77	21.75	25.8		1.0
20	QPSK	50	28	22.19	22.27	22.21	25.8		0.0
20	QPSK	50	56	21.75	21.77	21.75	25.8		1.0
20	QPSK	100	0	21.75	21.75	21.75			
20	16QAM	1	1	20.95	21.70	21.01	22.5		1.0
20	16QAM	1	1	19.64	19.72	19.63	21.3		2.5
20	256QAM	1	1	18.19	18.26	18.11	19.3		4.5
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.32	22.29	22.35	23.5		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.31	22.29	22.27	23.8		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.20	22.37	22.30	23.8		0.0

n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 372600	Power Mode Ch. 1/Freq. 376000	Power High Ch. 1/Freq. 380000	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	18.15	18.27	18.03			
20	PSSBPSK	1	53	18.15	18.21	18.09	19.3	0.0	
20	PSSBPSK	1	104	18.10	18.20	18.10			
20	PSSBPSK	50	9	18.04	18.23	18.05	19.3	0.0	
20	PSSBPSK	50	28	18.11	18.25	18.02	19.3	0.0	
20	PSSBPSK	50	56	18.04	18.27	17.99	19.3	0.0	
20	PSSBPSK	100	0	18.06	18.21	18.10	19.3	0.0	
20	QPSK	1	1	18.09	18.20	18.09			
20	QPSK	1	53	18.09	18.32	18.15	19.3	0.0	
20	QPSK	1	104	18.12	18.18	18.10			
20	QPSK	50	9	18.02	18.27	17.97	19.3	0.0	
20	QPSK	50	28	18.14	18.31	18.09	19.3	0.0	
20	QPSK	50	56	18.10	18.24	18.02	19.3	0.0	
20	QPSK	100	0	18.05	18.27	18.05	19.3	0.0	
20	16QAM	1	1	18.07	18.23	18.08	19.3	0.0	
20	16QAM	1	1	18.17	18.30	18.11	19.3	0.0	
20	256QAM	1	1	18.04	18.30	18.01	19.3	0.0	
Frequency (MHz)									
15	QPSK	1	1	18.07	18.31	18.05	19.3	0.0	
10	QPSK	1	1	18.09	18.30	18.10	19.3	0.0	
5	QPSK	1	1	18.06	18.19	18.00	19.3	0.0	
Channel									
15	QPSK	1	1	18.07	18.31	18.05	19.3	0.0	
10	QPSK	1	1	18.09	18.30	18.10	19.3	0.0	
5	QPSK	1	1	18.06	18.19	18.00	19.3	0.0	

n2_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 372600	Power Mode Ch. 1/Freq. 376000	Power High Ch. 1/Freq. 380000	Time-up time (dBm)	MFR	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	19.01	19.06	18.99			
20	PSSBPSK	1	53	19.01	19.07	18.98	20.3	0.0	
20	PSSBPSK	1	104	19.04	19.14	18.98			
20	PSSBPSK	50	9	18.99	19.05	18.90	20.3	0.0	
20	PSSBPSK	50	28	19.00	19.05	18.92	20.3	0.0	
20	PSSBPSK	50	56	18.96	19.11	18.91	20.3	0.0	
20	PSSBPSK	100	0	18.92	19.10	18.97	20.3	0.0	
20	QPSK	1	1	19.05	19.05	19.05			
20	QPSK	1	53	19.04	19.05	19.05	20.3	0.0	
20	QPSK	1	104	19.04	19.05	18.92			
20	QPSK	50	9	18.96	19.00	18.93	20.3	0.0	
20	QPSK	50	28	19.00	19.00	18.99	20.3	0.0	
20	QPSK	50	56	18.96	19.07	18.97	20.3	0.0	
20	QPSK	100	0	18.97	19.05	18.90	20.3	0.0	
20	16QAM	1	1	18.90	19.05	18.90	20.3	0.0	
20	16QAM	1	1	17.74	17.62	17.75	19.3	1.0	
20	256QAM	1	1	16.33	16.47	16.34	17.2	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.01	19.06	18.97	20.3	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.04	19.01	18.99	20.3	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.00	19.07	18.97	20.3	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq. 376000	Power Mode Ch. 1/Freq. 379500	Power High Ch. 1/Freq. 383000	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	21.83	21.78	21.78			
20	PSSBPSK	1	53	21.79	21.80	21.78	23.0	0.0	
20	PSSBPSK	1	104	21.74	21.85	21.86			
20	PSSBPSK	50	9	21.75	21.75	21.81	23.0	0.0	
20	PSSBPSK	50	28	21.79	21.79	21.78	23.0	0.0	
20	PSSBPSK	50	56	21.72	21.75	21.75	23.0	0.0	
20	PSSBPSK	100	0	21.66	21.69	21.77	23.0	0.0	
20	QPSK	1	1	21.67	21.67	21.67			
20	QPSK	1	53	21.76	21.75	21.82	23.0	0.0	
20	QPSK	1	104	21.80	21.85	21.78			
20	QPSK	50	9	21.70	21.84	21.80	23.0	0.0	
20	QPSK	50	28	21.75	21.87	21.87	23.0	0.0	
20	QPSK	50	56	21.65	21.80	21.80	23.0	0.0	
20	QPSK	100	0	21.66	21.65	21.80	23.0	0.0	
20	16QAM	1	1	20.70	21.60	21.85	23.0	0.0	
20	16QAM	1	1	21.23	21.30	21.28	22.5	0.5	
20	256QAM	1	1	19.82	19.80	19.78	20.5	2.0	
Channel				19.82	19.80	19.78			
15	QPSK	1	1	21.74	21.85	21.75	23.0	0.0	
Channel				19.82	19.80	19.78			
10	QPSK	1	1	21.68	21.78	21.77	23.0	0.0	
Channel				19.82	19.80	19.78			
5	QPSK	1	1	21.65	21.87	21.84	23.0	0.0	
Channel				19.82	19.80	19.78			

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	21.94	22.08	21.91			
20	PSSBPSK	1	53	21.87	22.01	21.92	23.5		0.0
20	PSSBPSK	1	104	21.98	22.08	21.98			
20	PSSBPSK	50	5	21.95	22.07	21.91	23.5		0.0
20	PSSBPSK	50	28	21.95	22.08	21.97	23.5		0.0
20	PSSBPSK	50	56	21.95	22.08	21.95	23.5		0.0
20	PSSBPSK	500	0	21.88	22.04	21.95	23.5		0.0
20	QPSK	1	1	21.95	22.08	21.95			
20	QPSK	1	53	21.93	22.08	21.95	23.5		0.0
20	QPSK	1	104	21.98	21.98	21.94			
20	QPSK	50	5	21.93	22.07	21.95	23.5		0.0
20	QPSK	50	28	21.93	22.08	21.95	23.5		0.0
20	QPSK	50	56	21.91	22.08	21.94	23.5		0.0
20	QPSK	500	0	21.93	22.01	21.95	23.5		0.0
20	16QAM	1	1	22.00	21.99	21.97	23.5		0.0
20	16QAM	1	1	20.25	20.32	20.32	22.0		1.5
20	256QAM	1	1	18.83	18.92	18.91	20.0		3.5
Channel									
33.15	Frequency (MHz)	833.5		833.5	841.5		Time-up time (min)		MPR (dB)
15	QPSK	1	1	21.98	21.97	21.95	23.5		0.0
Channel									
30	Frequency (MHz)	830		830.5	841		Time-up time (min)		MPR (dB)
10	QPSK	1	1	22.00	21.99	21.97	23.5		0.0
Channel									
30	Frequency (MHz)	830.5		831.5	841.5		Time-up time (min)		MPR (dB)
5	QPSK	1	1	23.91	23.91	23.90	23.5		0.0

n7_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	23.24	23.30	23.32			
40	PSSBPSK	1	108	23.28	23.40	23.38	20.0		0.0
40	PSSBPSK	1	214	23.27	23.31	23.31			
40	PSSBPSK	108	5	23.30	23.35	23.32	24.5		0.5
40	PSSBPSK	108	54	23.30	23.34	23.32	20.0		0.0
40	PSSBPSK	108	108	23.32	23.35	23.33	24.5		0.5
40	PSSBPSK	216	0	23.31	23.35	23.31			
40	QPSK	1	1	23.27	23.35	23.31			
40	QPSK	1	108	23.27	23.33	23.35	20.0		0.0
40	QPSK	1	214	23.29	23.35	23.32			
40	QPSK	108	5	23.33	23.38	23.34	20.0		1.0
40	QPSK	108	54	23.31	23.40	23.35	20.0		1.0
40	QPSK	108	108	23.31	23.35	23.34	24.0		1.0
40	QPSK	216	0	23.37	23.35	23.35			
40	16QAM	1	1	23.13	23.15	23.00	24.0		1.0
40	16QAM	1	1	20.65	20.68	20.65	22.5		2.5
40	256QAM	1	1	19.12	19.15	19.11	20.5		4.5
Channel									
30	Frequency (MHz)	2615		2615	2635		Time-up time (min)	MPR (dB)	
30	QPSK	1	1	23.35	23.31	23.30	20.0		0.0
Channel									
25	Frequency (MHz)	2412.5		2412.5	2431	2422.5	Time-up time (min)	MPR (dB)	
25	QPSK	1	1	23.26	23.30	23.28	20.0		0.0
Channel									
20	Frequency (MHz)	50100		50100	51000		Time-up time (min)	MPR (dB)	
20	QPSK	1	1	23.27	23.37	23.32	20.0		0.0
Channel									
15	Frequency (MHz)	50100		50100	51000		Time-up time (min)	MPR (dB)	
15	QPSK	1	1	23.24	23.32	23.28	20.0		0.0
Channel									
10	Frequency (MHz)	50100		50100	51000		Time-up time (min)	MPR (dB)	
10	QPSK	1	1	23.38	23.45	23.39	20.0		0.0
Channel									
5	Frequency (MHz)	2402.5		2402.5	2407.5		Time-up time (min)	MPR (dB)	
5	QPSK	1	1	23.31	23.42	23.33	20.0		0.0

n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	17.16	17.24	17.16			
40	PSSBPSK	1	108	17.24	17.29	17.13	18.5		0.0
40	PSSBPSK	1	214	17.26	17.26	17.01			
40	PSSBPSK	108	5	17.22	17.25	17.08	18.5		0.0
40	PSSBPSK	108	54	17.12	17.19	17.08	18.5		0.0
40	PSSBPSK	108	108	17.12	17.25	17.07	18.5		0.0
40	PSSBPSK	216	0	17.14	17.21	17.06	18.5		0.0
40	QPSK	1	1	17.22	17.21	17.16			
40	QPSK	1	108	17.13	17.27	17.07	18.5		0.0
40	QPSK	1	214	17.17	17.22	17.10			
40	QPSK	108	5	17.08	17.17	17.07	18.5		0.0
40	QPSK	108	54	17.11	17.25	17.11	18.5		0.0
40	QPSK	108	108	17.11	17.17	17.06	18.5		0.0
40	QPSK	216	0	17.14	17.23	17.11	18.5		0.0
40	16QAM	1	1	17.22	17.21	17.13	18.5		0.0
40	16QAM	1	1	17.18	17.20	17.02	18.5		0.0
40	256QAM	1	1	17.12	17.20	17.12	18.5		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.14	17.24	17.16	18.5		0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.23	17.21	17.16	18.5		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.24	17.20	17.16	18.5		0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.25	17.23	17.14	18.5		0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.17	17.30	17.08	18.5		0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.20	17.22	17.07	18.5		0.0

n7_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (MHz)	Power Max Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Time-up time (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	19.31	19.40	19.15			
40	PSSBPSK	1	108	19.34	19.38	19.09	20.5		0.0
40	PSSBPSK	1	214	19.35	19.38	19.18			
40	PSSBPSK	108	5	19.25	19.29	19.15	20.5		0.0
40	PSSBPSK	108	54	19.23	19.35	19.14	20.5		0.0
40	PSSBPSK	108	108	19.24	19.30	19.21	20.5		0.0
40	PSSBPSK	216	0	19.32	19.38	19.22	20.5		0.0
40	QPSK	1	1	19.34	19.38	19.24			
40	QPSK	1	108	19.35	19.35	19.17	20.5		0.0
40	QPSK	1	214	19.25	19.27	19.19			
40	QPSK	108	5	19.24	19.28	19.13	20.5		0.0
40	QPSK	108	54	19.21	19.35	19.14	20.5		0.0
40	QPSK	108	108	19.26	19.22	19.06	20.5		0.0
40	QPSK	216	0	19.25	19.34	19.15	20.5		0.0
40	16QAM	1	1	19.25	19.38	19.22	20.5		0.0
40	16QAM	1	108	19.35	19.35	19.17	20.5		0.0
40	16QAM	1	214	19.25	19.27	19.19			
40	16QAM	108	5	19.24	19.28	19.13	20.5		0.0
40	16QAM	108	54	19.21	19.35	19.14	20.5		0.0
40	16QAM	108	108	19.26	19.22	19.06	20.5		0.0
40	16QAM	216	0	19.25	19.34	19.15	20.5		0.0
30	PSSBPSK	1	1	19.31	19.40	19.15			
30	PSSBPSK	1	108	19.34	19.38	19.09	20.5		0.0
30	PSSBPSK	1	214	19.35	19.38	19.18			
30	PSSBPSK	108	5	19.25	19.29	19.15	20.5		0.0
30	PSSBPSK	108	54	19.23	19.35	19.14	20.5		0.0
30	PSSBPSK	108	108	19.24	19.30	19.21	20.5		0.0
30	PSSBPSK	216	0	19.32	19.38	19.22	20.5		0.0
30	QPSK	1	1	19.34	19.38	19.24			
30	QPSK	1	108	19.35	19.35	19.17	20.5		0.0
30	QPSK	1	214	19.25	19.27	19.19			
30	QPSK	108	5	19.24	19.28	19.13	20.5		0.0
30	QPSK	108	54	19.21	19.35	19.14	20.5		0.0
30	QPSK	108	108	19.26	19.22	19.06	20.5		0.0
30	QPSK	216	0	19.25	19.34	19.15	20.5		0.0
30	16QAM	1	1	19.25	19.38	19.22	20.5		0.0
30	16QAM	1	108	19.35	19.35	19.17	20.5		0.0
30	16QAM	1	214	19.25	19.27	19.19			
30	16QAM	108	5	19.24	19.28	19.13	20.5		0.0
30	16QAM	108	54	19.21	19.35	19.14	20.5		0.0
30	16QAM	108	108	19.26	19.22	19.06	20.5		0.0
30	16QAM	216	0	19.25	19.34	19.15	20.5		0.0
15	PSSBPSK	1	1	19.27	19.29	19.19	20.5		0.0
15	PSSBPSK	1	108	19.30	19.32	19.19	20.5		0.0
15	PSSBPSK	1	214	19.31	19.32	19.21			
15	PSSBPSK	108	5	19.23	19.23	19.13	20.5		0.0
15	PSSBPSK	108	54	19.23	19.23	19.13	20.5		0.0
15	PSSBPSK	108	108	19.23	19.23	19.13	20.5		0.0
15	PSSBPSK	216	0	19.23	19.23	19.13	20.5		0.0
15	QPSK	1	1	19.27	19.29	19.19	20.5		0.0
15	QPSK	1	108	19.30	19.32	19.19	20.5		0.0
15	QPSK	1	214	19.31	19.32	19.21			
15	QPSK	108	5	19.23	19.23	19.13	20.5		0.0
15	QPSK	108	54	19.23	19.23	19.13	20.5		0.0
15	QPSK	108	108	19.23	19.23	19.13	20.5		0.0
15	QPSK	216	0	19.23	19.23	19.13	20.5		0.0
15	16QAM	1	1	19.27	19.29	19.19	20.5		0.0
15	16QAM	1	108	19.30	19.32	19.19	20.5		0.0
15	16QAM	1	214	19.31	19.32	19.21			
15	16QAM	108	5	19.23	19.23	19.13	20.5		0.0
15	16QAM	108	54	19.23	19.23	19.13	20.5		0.0
15	16QAM	108	108	19.23	19.23	19.13	20.5		0.0
15	16QAM	216	0	19.23	19.23	19.13	20.5		0.0

n12_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low CA: F.Freq. 141500	Power Middle CA: F.Freq. 141500	Power High CA: F.Freq. 141500	Time-up time (dBm)
Channel							
Frequency (MHz)							
15	PUSC BPSK	1	1	22.82	22.83	22.83	23.8
15	PUSC BPSK	1	40	22.87	22.82	22.81	23.8
15	PUSC BPSK	1	77	22.72	22.86	22.76	23.8
15	PUSC BPSK	36	6	22.43	22.43	22.43	23.3
15	PUSC BPSK	36	22	22.50	22.50	22.50	23.8
15	PUSC BPSK	36	43	22.35	22.40	22.27	23.3
15	PUSC BPSK	76	0	22.42	22.48	22.39	23.3
15	QPSK	1	1	22.86	22.86	22.86	23.8
15	QPSK	1	40	22.80	22.94	22.85	23.8
15	QPSK	1	77	22.80	22.88	22.76	23.8
15	QPSK	36	6	21.02	21.03	21.00	22.8
15	QPSK	36	22	22.09	22.07	22.10	22.8
15	QPSK	36	43	21.79	21.81	21.82	22.8
15	QPSK	76	0	21.59	21.60	21.58	22.8
15	16QAM	1	1	21.59	21.60	21.60	22.8
15	16QAM	1	1	20.13	20.23	20.11	21.3
15	256QAM	1	1	18.79	18.81	18.79	19.3
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.86	22.86	22.86	23.8
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.85	22.81	22.81	23.8

n12_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low CA: F.Freq. 141500	Power Middle CA: F.Freq. 141500	Power High CA: F.Freq. 141500	Time-up time (dBm)
Channel							
Frequency (MHz)							
15	PUSC BPSK	1	1	22.80	22.73	22.78	22.8
15	PUSC BPSK	1	40	22.13	22.23	22.14	22.8
15	PUSC BPSK	1	77	22.08	22.10	22.07	22.8
15	PUSC BPSK	36	6	21.68	21.70	21.65	22.3
15	PUSC BPSK	36	22	22.20	22.20	22.20	22.8
15	PUSC BPSK	36	43	21.71	21.74	21.65	22.3
15	PUSC BPSK	76	0	21.82	21.77	21.73	22.3
15	QPSK	1	1	22.86	22.86	22.86	22.8
15	QPSK	1	40	22.17	22.25	22.12	22.8
15	QPSK	1	77	22.05	22.12	21.97	22.8
15	QPSK	36	6	21.21	21.20	21.16	21.8
15	QPSK	36	22	22.10	22.09	22.10	22.8
15	QPSK	36	43	21.42	21.40	21.38	21.8
15	QPSK	76	0	21.16	21.05	21.03	21.8
15	16QAM	1	1	20.84	20.86	20.86	21.8
15	16QAM	1	1	19.48	19.54	19.50	20.3
15	256QAM	1	1	17.99	18.10	18.00	18.3
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.16	22.18	22.13	22.8
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.23	22.40	22.14	22.8

n26_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low CA: F.Freq. 166500	Power Middle CA: F.Freq. 166500	Power High CA: F.Freq. 166500	Time-up time (dBm)
Channel							
Frequency (MHz)							
20	PUSC BPSK	1	1	21.73	21.73	21.81	23.0
20	PUSC BPSK	1	59	21.84	21.83	21.78	23.0
20	PUSC BPSK	1	104	21.79	21.86	21.73	23.0
20	PUSC BPSK	56	6	21.70	21.67	21.63	23.0
20	PUSC BPSK	56	28	21.73	21.69	21.70	23.0
20	PUSC BPSK	56	58	21.76	21.67	21.77	23.0
20	PUSC BPSK	100	0	21.83	21.87	21.72	23.0
20	QPSK	1	1	21.79	21.79	21.86	23.0
20	QPSK	1	59	21.74	21.63	21.82	23.0
20	QPSK	1	104	21.72	21.67	21.75	23.0
20	QPSK	56	6	21.70	21.70	21.70	23.0
20	QPSK	56	28	21.63	21.60	21.60	23.0
20	QPSK	56	58	21.71	21.64	21.70	23.0
20	QPSK	100	0	21.75	21.66	21.78	23.0
20	16QAM	1	1	21.81	21.80	21.75	23.0
20	16QAM	1	1	21.26	21.29	21.23	22.0
20	256QAM	1	1	19.68	19.69	19.69	20.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.71	21.85	21.81	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.66	21.67	21.70	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.81	21.84	21.82	23.0

n26_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low CA: F.Freq. 166500	Power Middle CA: F.Freq. 166500	Power High CA: F.Freq. 166500	Time-up time (dBm)
Channel							
Frequency (MHz)							
20	PUSC BPSK	1	1	21.80	22.03	21.98	23.0
20	PUSC BPSK	1	60	21.81	22.00	22.03	23.0
20	PUSC BPSK	1	104	21.77	22.06	22.08	23.0
20	PUSC BPSK	56	6	21.86	21.90	21.88	23.0
20	PUSC BPSK	56	28	21.82	22.03	22.08	23.0
20	PUSC BPSK	56	58	21.85	21.98	22.00	23.0
20	PUSC BPSK	100	0	21.81	22.19	21.99	23.0
20	QPSK	1	1	21.77	22.11	22.11	23.0
20	QPSK	1	60	21.85	22.04	22.02	23.0
20	QPSK	1	104	21.77	22.00	22.08	23.0
20	QPSK	56	6	21.70	22.02	21.89	23.0
20	QPSK	56	28	21.68	22.07	22.00	23.0
20	QPSK	56	58	21.67	21.96	21.80	23.0
20	QPSK	100	0	21.91	22.16	22.05	23.0
20	16QAM	1	1	21.95	22.16	22.21	23.0
20	16QAM	1	1	20.33	20.26	20.31	22.0
20	256QAM	1	1	18.83	18.83	18.88	20.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.78	22.10	22.05	23.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.76	21.69	21.68	23.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.80	22.05	22.04	23.0

n66_Ant 4											
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. [345000]	Power Media Ch. F.Freq. [345000]	Power High Ch. F.Freq. [345000]	Time-up time (dBm)	MPN (dB)			
Channel											
Frequency (MHz)											
40	P102 BPSK	1	1	23.33	23.43	23.45	25.0	0.0			
40	P102 BPSK	1	108	23.38	23.41	23.38	25.0	0.0			
40	P102 BPSK	1	214	23.34	23.37	23.34					
40	P102 BPSK	108	9	22.88	22.90	22.84	24.5	0.5			
40	P102 BPSK	108	54	23.37	23.44	23.35	25.0	0.0			
40	P102 BPSK	108	108	22.78	22.88	22.88	24.5	0.5			
40	P102 BPSK	216	0	22.91	22.92	22.89					
40	QPSK	1	1	23.46	23.46	23.46	25.0	0.0			
40	QPSK	1	108	23.28	23.37	23.36	25.0	0.0			
40	QPSK	1	214	23.33	23.45	23.39					
40	QPSK	108	9	22.31	22.38	22.37	24.0	1.0			
40	QPSK	108	54	23.41	23.45	23.42	25.0	0.0			
40	QPSK	108	108	22.36	22.39	22.37	24.0	1.0			
40	QPSK	216	0	22.35	22.37	22.34					
40	16QAM	1	1	22.25	22.27	22.13	24.0	1.0			
40	16QAM	1	1	20.78	20.84	20.78	22.5	2.5			
40	256QAM	1	1	19.30	19.42	19.34	20.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.43	22.48	22.37	25.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.36	23.36	23.28	25.0	0.5			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.45	23.44	23.38	25.0	0.5			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.32	23.37	23.32	25.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.38	23.44	23.40	25.0	0.0			

n66_Ant 3											
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. [345000]	Power Media Ch. F.Freq. [345000]	Power High Ch. F.Freq. [345000]	Time-up time (dBm)	MPN (dB)			
Channel											
Frequency (MHz)											
40	P102 BPSK	1	1	17.17	17.23	17.15					
40	P102 BPSK	1	108	17.28	17.37	17.21	18.5	0.0			
40	P102 BPSK	1	214	17.23	17.25	17.18					
40	P102 BPSK	108	9	17.28	17.28	17.28	18.5	0.0			
40	P102 BPSK	108	54	17.31	17.33	17.28	18.5	0.0			
40	P102 BPSK	108	108	17.24	17.28	17.18	18.5	0.0			
40	P102 BPSK	216	0	17.28	17.30	17.25					
40	QPSK	1	1	17.24	17.24	17.24	18.5	0.0			
40	QPSK	1	108	17.22	17.25	17.18	18.5	0.0			
40	QPSK	1	214	17.27	17.31	17.21					
40	QPSK	108	9	17.17	17.20	17.12	18.5	0.0			
40	QPSK	108	54	17.26	17.28	17.22	18.5	0.0			
40	QPSK	108	108	17.26	17.26	17.24	18.5	0.0			
40	QPSK	216	0	17.25	17.25	17.15					
40	16QAM	1	1	17.32	17.33	17.15	18.5	0.0			
40	16QAM	1	1	17.25	17.28	17.17	18.5	0.0			
40	256QAM	1	1	17.24	17.28	17.17	18.5	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	17.28	17.28	17.21	18.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	17.20	17.43	17.16					
Channel											
Frequency (MHz)											
15	QPSK	1	1	17.25	17.28	17.19	18.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	17.23	17.38	17.27	18.5	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	17.19	17.38	17.21	18.5	0.0			

n66_Ant 5									
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F.Freq. [345000]	Power Media Ch. F.Freq. [345000]	Power High Ch. F.Freq. [345000]	Time-up time (dBm)	MPN (dB)	
Channel									
Frequency (MHz)									
40	P102 BPSK	1	1	21.62	21.77	21.66			
40	P102 BPSK	1	108	21.61	21.69	21.54	23.5	0.0	
40	P102 BPSK	1	214	21.62	21.74	21.68			
40	P102 BPSK	108	9	21.00	21.14	21.03	23.0	0.5	
40	P102 BPSK	108	54	21.55	21.68	21.60	23.5	0.0	
40	P102 BPSK	108	108	21.09	21.12	21.02	23.0	0.5	
40	P102 BPSK	216	0	21.07	21.14	21.11			
40	QPSK	1	1	21.68	21.68	21.68	23.5	0.0	
40	QPSK	1	108	21.58	21.68	21.53	23.5	0.0	
40	QPSK	1	214	21.59	21.72	21.70			
40	QPSK	108	9	20.93	20.93	20.82	22.5	1.0	
40	QPSK	108	54	21.62	21.69	21.54	23.5	0.0	
40	QPSK	108	108	20.97	20.97	20.90	22.5	1.0	
40	QPSK	216	0	20.95	20.95	20.86			
40	16QAM	1	1	20.92	20.92	20.82	22.5	1.0	
40	16QAM	1	1	19.07	19.20	19.12	21.0	2.5	
40	256QAM	1	1	17.75	17.79	17.78	18.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.74	21.81	21.69	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.70	21.81	21.74	23.5	0.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.74	21.85	21.77	23.5	0.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.66	21.80	21.70	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.75	21.79	21.67	23.5	0.0	

n38_Ant 4									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Med Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Channel				9.800k	9.810k	9.820k	9.830k		
Frequency (MHz)				23.43	23.50	23.59			
40	PUS-BPSK	1	1	23.43	23.50	23.59			
40	PUS-BPSK	1	53	23.35	23.46	23.41	25.0	0.0	
40	PUS-BPSK	1	104	23.38	23.43	23.42			
40	PUS-BPSK	50	0	22.83	22.92	22.83	24.5	0.0	
40	PUS-BPSK	50	26	23.34	23.46	23.38	25.0	0.0	
40	PUS-BPSK	50	56	22.87	22.91	22.88	24.5	0.0	
40	PUS-BPSK	100	0	22.85	22.92	22.88			
40	QPSK	1	1	23.41	23.52	23.53			
40	QPSK	1	53	23.29	23.43	23.28	25.0	0.0	
40	QPSK	1	104	23.40	23.41	23.41			
40	QPSK	50	0	22.41	22.43	22.38	24.0	1.0	
40	QPSK	50	26	23.43	23.42	23.38	25.0	0.0	
40	QPSK	50	56	22.38	22.40	22.29	24.0	1.0	
40	QPSK	100	0	22.38	22.41	22.29			
40	SSB-QAM	1	1	23.24	23.26	23.26	24.0	1.0	
40	SSB-QAM	1	1	20.50	20.51	20.75	22.5	0.5	
40	25QAM	1	1	19.32	19.37	19.22	20.5	4.5	
Channel									
Channel				9.800k	9.810k	9.820k	9.830k		
Frequency (MHz)				23.43	23.50	23.59			
30	QPSK	1	1	23.37	23.37	23.40	23.5	1.0	
Channel									
Channel				9.800k	9.810k	9.820k	9.830k		
Frequency (MHz)				23.41	23.47	23.43			
20	QPSK	1	1	23.41	23.47	23.43	25.0	0.0	
Channel									
Channel				9.800k	9.810k	9.820k	9.830k		
Frequency (MHz)				23.39 <td>23.43</td> <td>23.38</td> <td></td> <th colspan="2"></th>	23.43	23.38			
10	QPSK	1	1	23.39	23.43	23.38	25.0	0.0	
Channel									
Channel				9.800k	9.810k	9.820k	9.830k		
Frequency (MHz)				23.30 <td>23.41</td> <td>23.40</td> <td></td> <th colspan="2"></th>	23.41	23.40			
10	QPSK	1	1	23.30	23.41	23.40	25.0	0.0	

n38_Ant 3									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Med Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PUS-BPSK	1	1	17.68	17.77	17.78			
40	PUS-BPSK	1	53	17.75	17.82	17.82	19.0	0.0	
40	PUS-BPSK	1	104	17.75	17.80	17.74			
40	PUS-BPSK	50	0	17.79	17.78	17.75	19.0	0.0	
40	PUS-BPSK	50	26	17.78	17.81	17.77	19.0	0.0	
40	PUS-BPSK	50	56	17.76	17.81	17.75	19.0	0.0	
40	PUS-BPSK	100	0	17.81	17.86	17.78			
40	QPSK	1	1	17.62	17.65	17.64			
40	QPSK	1	53	17.67	17.67	17.64	19.0	0.0	
40	QPSK	1	104	17.68	17.80	17.75			
40	QPSK	50	0	17.75	17.83	17.80	19.0	0.0	
40	QPSK	50	26	17.76	17.80	17.81	19.0	0.0	
40	QPSK	50	56	17.69	17.79	17.76	19.0	0.0	
40	QPSK	100	0	17.73	17.83	17.75			
40	15QAM	1	1	17.68	17.76	17.75	19.0	0.0	
40	25QAM	1	1	17.71	17.79	17.78	19.0	0.0	
40	25QAM	1	1	16.40	17.85	17.75	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.62	17.80	17.72	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.75	17.81	17.75	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.73	17.85	17.75	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.72	17.77	17.74	19.0	0.0	

n38_Ant 5									
Env [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Med Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
40	PUS-BPSK	1	1	19.48	19.58	19.51			
40	PUS-BPSK	1	53	19.49	19.62	19.51	21.0	0.0	
40	PUS-BPSK	1	104	19.37	19.65	19.48			
40	PUS-BPSK	50	0	19.45	19.61	19.60	21.0	0.0	
40	PUS-BPSK	50	26	19.43	19.55	19.53	21.0	0.0	
40	PUS-BPSK	50	56	19.48	19.53	19.53	21.0	0.0	
40	PUS-BPSK	100	0	19.47	19.61	19.60	21.0	0.0	
40	QPSK	1	1	19.51	19.68	19.51			
40	QPSK	1	53	19.41	19.65	19.47	21.0	0.0	
40	QPSK	1	104	19.48	19.63	19.57			
40	QPSK	50	0	19.40	19.50	19.49	21.0	0.0	
40	QPSK	50	26	19.57	19.63	19.58	21.0	0.0	
40	QPSK	50	56	19.34	19.38	19.36	21.0	0.0	
40	QPSK	100	0	19.35	19.45	19.39			
40	TSSB-QAM	1	1	19.25	19.36	19.24	21.0	0.0	
40	TSSB-QAM	1	1	17.92	17.94	17.85	19.5	1.5	
40	25QAM	1	1	16.47	18.48	18.35	17.5	3.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.33	19.55	19.51	21.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.30	19.58	19.47	21.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.42	19.62	19.69	21.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.47	19.67	19.53	21.0	0.0	

n41_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Antenna Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIC2 BPSK	1	1	19.24	19.42	19.27			
100	PIC2 BPSK	1	137	19.25	19.35	19.25	20.2	0.0	
100	PIC2 BPSK	1	211	19.23	19.30	19.13			
100	PIC2 BPSK	135	0	19.30	19.30	19.22	20.2	0.0	
100	PIC2 BPSK	135	0	19.28	19.40	19.24	20.2	0.0	
100	PIC2 BPSK	135	138	19.18	19.30	19.13	20.2	0.0	
100	QPSK	1	1	19.22	19.35	19.25	20.2	0.0	
100	QPSK	1	137	19.17	19.33	19.13	20.2	0.0	
100	QPSK	1	211	19.26	19.37	19.14			
100	QPSK	135	0	19.22	19.35	19.08	20.2	0.0	
100	QPSK	135	0	19.20	19.38	19.05	20.2	0.0	
100	QPSK	135	138	19.21	19.28	19.05	20.2	0.0	
100	QPSK	270	0	19.24	19.34	19.12	20.2	0.0	
100	16QAM	1	1	19.21	19.35	19.25	20.2	0.0	
100	16QAM	1	1	19.28	19.40	19.15	20.2	0.0	
100	256QAM	1	1	19.32	19.40	19.16	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.22	19.34	19.17	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.30	19.37	19.25	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.31	19.40	19.20	20.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.23	19.30	19.24	20.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.29	19.38	19.19	20.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.18	19.29	19.17	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.28	19.34	19.22	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.17	19.37	19.20	20.2	0.0	

n41(HPUE)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Antenna Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dBm)		
Channel									
Frequency (MHz)									
100	PIC2 BPSK	1	1	19.24	19.42	19.27			
100	PIC2 BPSK	1	137	19.25	19.35	19.25	20.2	0.0	
100	PIC2 BPSK	1	211	19.23	19.30	19.13			
100	PIC2 BPSK	135	0	19.30	19.30	19.22	20.2	0.0	
100	PIC2 BPSK	135	0	19.28	19.40	19.24	20.2	0.0	
100	PIC2 BPSK	135	138	19.18	19.30	19.13	20.2	0.0	
100	PIC2 BPSK	270	0	19.26	19.35	19.16			
100	QPSK	1	1	19.22	19.44	19.28	20.2	0.0	
100	QPSK	1	137	19.17	19.33	19.13	20.2	0.0	
100	QPSK	1	211	19.26	19.37	19.14			
100	QPSK	135	0	19.22	19.35	19.08	20.2	0.0	
100	QPSK	135	0	19.20	19.38	19.05	20.2	0.0	
100	QPSK	135	138	19.21	19.28	19.05	20.2	0.0	
100	QPSK	270	0	19.24	19.34	19.12	20.2	0.0	
100	16QAM	1	1	19.21	19.35	19.25	20.2	0.0	
100	16QAM	1	1	19.28	19.40	19.16	20.2	0.0	
100	256QAM	1	1	19.32	19.40	19.16	20.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.24	19.35	19.17	20.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.30	19.37	19.25	20.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.31	19.40	19.20	20.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.23	19.30	19.24	20.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.29	19.38	19.19	20.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.18	19.29	19.17	20.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.28	19.34	19.22	20.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.17	19.37	19.20	20.2	0.0	

Part27Q_n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Antenna Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIC2 BPSK	1	1		14.78				
100	PIC2 BPSK	1	137		14.70		18.2		0.0
100	PIC2 BPSK	1	211		14.75				
100	PIC2 BPSK	135	0		14.70		18.2		0.0
100	PIC2 BPSK	135	138		14.69		18.2		0.0
100	QPSK	1	1		14.72		18.2		0.0
100	QPSK	1	137		14.70		18.2		0.0
100	QPSK	1	211		14.77		18.2		0.0
100	QPSK	135	0		14.71		18.2		0.0
100	QPSK	135	138		14.69		18.2		0.0
100	QPSK	270	0		14.70		18.2		0.0
100	16QAM	1	1		14.70		18.2		0.0
100	256QAM	1	1		14.78		18.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		14.74		18.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		14.80		18.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		14.72		18.2		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1		14.78		18.2		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1		14.77		18.2		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		14.74		18.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		14.75		18.2		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		14.77		18.2		0.0

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
				855000	855000	855000			
Frequency (MHz)									
100	PIC2 BPSK	1	1	18.62	18.58	18.53		18.2	0.0
100	PIC2 BPSK	1	137	18.59	18.64	18.67		18.2	0.0
100	PIC2 BPSK	1	271	18.62	18.67	18.63		18.2	0.0
100	PIC2 BPSK	135	0	18.60	18.60	18.55		18.2	0.0
100	PIC2 BPSK	135	66	18.54	18.58	18.57		18.2	0.0
100	PIC2 BPSK	135	138	18.58	18.57	18.50		18.2	0.0
100	PIC2 BPSK	270	0	18.57	18.63	18.67		18.2	0.0
100	QPSK	1	1	18.63	18.57	18.50		18.2	0.0
100	QPSK	1	137	18.54	18.58	18.65		18.2	0.0
100	QPSK	1	271	18.61	18.66	18.68		18.2	0.0
100	QPSK	135	0	18.47	18.55	18.62		18.2	0.0
100	QPSK	135	66	18.58	18.58	18.50		18.2	0.0
100	QPSK	135	138	18.50	18.57	18.56		18.2	0.0
100	QPSK	270	0	18.50	18.60	18.61		18.2	0.0
100	16QAM	1	1	18.60	18.60	18.50		18.2	0.0
100	16QAM	1	1	18.58	18.58	18.2		18.2	0.0
100	256QAM	1	1	18.48	18.58	18.50		18.2	0.0
Channel									
				833000	833000	833000			
Frequency (MHz)									
80	QPSK	1	1	18.40	18.58	18.42		18.2	0.0
Channel									
				826868	826868	826868			
Frequency (MHz)									
80	QPSK	1	1	18.51	18.55	18.54		18.2	0.0
Channel									
				822334	822334	822334	Time-up limit (dBm)	MPR	
Frequency (MHz)									
70	QPSK	1	1	18.59	18.61	18.63		18.2	0.0
Channel									
				822000	822000	824868	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.37	18.48	18.61		18.2	0.0
Channel									
				821000	821000	821000	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.30	18.39	18.20		18.2	0.0
Channel									
				815000	815000	816868	Time-up limit (dBm)	MPR	
Frequency (MHz)									
30	QPSK	1	1	18.34	18.40	18.42		18.2	0.0
Channel									
				816868	815000	816868	Time-up limit (dBm)	MPR	
Frequency (MHz)									
20	QPSK	1	1	18.48	18.57	18.64		18.2	0.0

Part27O_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
				855000	855000	855000			
Frequency (MHz)									
100	PIC2 BPSK	1	1	18.58	18.58	18.53		18.2	
100	PIC2 BPSK	1	137	18.64	18.57	18.67		18.2	
100	PIC2 BPSK	1	271	18.62	18.67	18.63		18.2	
100	PIC2 BPSK	135	0	18.58	18.60	18.55		18.2	
100	PIC2 BPSK	135	66	18.61	18.58	18.57		18.2	
100	PIC2 BPSK	135	138	18.55	18.57	18.50		18.2	
100	PIC2 BPSK	270	0	18.63	18.57	18.67		18.2	
100	QPSK	1	1	18.65	18.57	18.50		18.2	
100	QPSK	1	137	18.52	18.58	18.65		18.2	
100	QPSK	1	271	18.61	18.66	18.68		18.2	
100	QPSK	135	0	18.51	18.58	18.62		18.2	
100	QPSK	135	66	18.51	18.58	18.50		18.2	
100	QPSK	135	138	18.48	18.57	18.56		18.2	
100	QPSK	270	0	18.57	18.60	18.61		18.2	
100	16QAM	1	1	18.61	18.60	18.50		18.2	
100	256QAM	1	1	18.53	18.60	18.50		18.2	
Channel									
				833000	833000	833000	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.44	18.63	18.42		18.2	
Channel									
				826868	826868	826868	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.60	18.63	18.60		18.2	
Channel									
				822000	822000	822000	Time-up limit (dBm)	MPR	
Frequency (MHz)									
70	QPSK	1	1	18.53	18.58	18.59		18.2	
Channel									
				822000	822000	823000	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.61	18.60	18.59		18.2	
Channel									
				822000	822000	822000	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.51	18.61	18.63		18.2	
Channel									
				821000	821000	821000	Time-up limit (dBm)	MPR	
Frequency (MHz)									
80	QPSK	1	1	18.31	18.40	18.20		18.2	
Channel									
				816868	816868	816868	Time-up limit (dBm)	MPR	
Frequency (MHz)									
30	QPSK	1	1	18.53	18.67	18.59		18.2	
Channel									
				817334	816868	816868	Time-up limit (dBm)	MPR	
Frequency (MHz)									
20	QPSK	1	1	18.52	18.58	18.66		18.2	

Part27Q_n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
				855000	855000	855000			
Frequency (MHz)									
100	PIC2 BPSK	1	1	18.57				18.2	
100	PIC2 BPSK	1	137	18.61				18.2	
100	PIC2 BPSK	1	271	18.61				18.2	
100	PIC2 BPSK	135	0	18.60				18.2	
100	PIC2 BPSK	135	66	18.61				18.2	
100	PIC2 BPSK	135	138	18.60				18.2	
100	PIC2 BPSK	270	0	18.62				18.2	
100	QPSK	1	1	18.66				18.2	
100	QPSK	1	137	18.59				18.2	
100	QPSK	1	271	18.62				18.2	
100	QPSK	135	0	18.51				18.2	
100	QPSK	135	66	18.58				18.2	
100	QPSK	135	138	18.48				18.2	
100	QPSK	270	0	18.60				18.2	
100	16QAM	1	1	18.61				18.2	
100	16QAM	1	1	18.50				18.2	
100	256QAM	1	1	18.42				18.2	
Channel									
				833000	833000	8330			

Part27Q_n77_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
				833332	833332	833332			
100	PI2 BPSK	1	1	15.84	15.84	15.84			
100	PI2 BPSK	1	137	15.77	15.77	15.77	16.7	0.0	
100	PI2 BPSK	1	271	15.79	15.79	15.79	16.7	0.0	
100	PI2 BPSK	135	0	15.79	15.79	15.79	16.7	0.0	
100	PI2 BPSK	135	86	15.79	15.79	15.79	16.7	0.0	
100	PI2 BPSK	135	138	15.75	15.75	15.75	16.7	0.0	
100	PI2 BPSK	270	0	15.79	15.79	15.79	16.7	0.0	
100	QPSK	1	1	15.87	15.87	15.87			
100	QPSK	1	137	15.79	15.79	15.79	16.7	0.0	
100	QPSK	1	271	15.84	15.84	15.84			
100	QPSK	135	0	15.78	15.78	15.78	16.7	0.0	
100	QPSK	135	86	15.82	15.82	15.82	16.7	0.0	
100	QPSK	135	138	15.87	15.87	15.87	16.7	0.0	
100	QPSK	270	0	15.87	15.87	15.87	16.7	0.0	
100	16QAM	1	1	15.86	15.86	15.86			
100	16QAM	1	1	15.78	15.78	15.78	16.7	0.0	
100	256QAM	1	1	15.84	15.84	15.84	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.75	15.75	15.75	16.7	0.0	
Channel									
				833368	833368	833368			
80	QPSK	1	1	15.84	15.84	15.84	16.7	0.0	
Channel									
				833334	833334	833334			
80	QPSK	1	1	15.79	15.79	15.79	16.7	0.0	
Channel									
				833300	833300	833300			
70	QPSK	1	1	15.79	15.83	15.79	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.84	15.84	15.84	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.77	15.77	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	15.83	15.83	16.7	0.0	
Channel									
				833300	833300	833300			
80	QPSK	1	1	15.83	1				

Part27Q_n78(HPUe)_Ant 5								
Ext (MHz)	Moderation	RIS Size	RIS Offset	Power Level Ch. 1/3/5	Power Modulo Ch. 1/3/5	Power Ch. 1/3/5	Time-up time (min)	MPH (dB)
Frequency (MHz)								
100	PC2 BPSK	1	1	18.47			19.2	0.0
100	QPSK	1	137	18.47			19.2	0.0
100	PC2 BPSK	1	271	18.45			19.2	0.0
100	QPSK	1	405	18.45		18.2	19.2	0.0
100	PC2 BPSK	135	69	18.46			19.2	0.0
100	QPSK	135	138	18.43			19.2	0.0
100	PC2 BPSK	270	137	18.45			19.2	0.0
100	QPSK	1	1	18.53			19.2	0.0
100	PC2 BPSK	1	137	18.52			19.2	0.0
100	QPSK	1	271	18.52			19.2	0.0
100	QPSK	135	0	18.50			19.2	0.0
100	QPSK	135	69	18.50			19.2	0.0
100	QPSK	135	138	18.50			19.2	0.0
100	QPSK	270	0	18.42			19.2	0.0
100	QPSK	270	9	18.50			19.2	0.0
100	64QAM	1	1	18.40			19.2	0.0
100	64QAM	1	1	18.40			19.2	0.0
Channel								
	Frequency (MHz)			63000	63000	63000		MPH
50	QPSK	1	1	18.51	18.47	18.41	19.2	0.0
Channel								
	Frequency (MHz)			63000	63000	63000	Time-up time (min)	MPH
50	QPSK	1	1	18.43	18.40	18.50	19.2	0.0
Channel								
	Frequency (MHz)			63234	63234	63432	Time-up time (min)	MPH
70	QPSK	1	1	18.41	18.39	18.43	19.2	0.0
Channel								
	Frequency (MHz)			63000	63000	63000	Time-up time (min)	MPH
80	QPSK	1	1	18.40	18.50	18.50	19.2	0.0
Channel								
85	QPSK	1	1	18.41	18.51	18.48	19.2	0.0
Channel								
	Frequency (MHz)			347.52	349.98	3500		MPH
50	QPSK	1	1	18.49	18.47	18.44	19.2	0.0
Channel								
	Frequency (MHz)			347.514	347.514	347.514	Time-up time (min)	MPH
40	QPSK	1	1	18.39	18.46	18.44	19.2	0.0
Channel								
	Frequency (MHz)			347.500	347.500	347.500	Time-up time (min)	MPH
30	QPSK	1	1	18.45	18.49	18.47	19.2	0.0
Channel								
	Frequency (MHz)			347.512	347.512	347.512	Time-up time (min)	MPH
20	QPSK	1	1	18.48	18.47	18.48	19.2	0.0

Part27Q_n78_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)	MPR (dB)		
Channel										
100	PI2 BPSK	1	1		18.53					
100	PI2 BPSK	1	137		18.53		18.2	0.0		
100	PI2 BPSK	1	271		18.53					
100	PI2 BPSK	135	0		18.54		18.2	0.0		
100	PI2 BPSK	135	66		18.45		18.2	0.0		
100	PI2 BPSK	135	138		18.58		18.2	0.0		
100	PI2 BPSK	270	0		18.53		18.2	0.0		
100	QPSK	1	1		18.53					
100	QPSK	1	137		18.58		18.2	0.0		
100	QPSK	1	271		18.57					
100	QPSK	135	0		18.37		18.2	0.0		
100	QPSK	135	66		18.53		18.2	0.0		
100	QPSK	135	138		18.45		18.2	0.0		
100	QPSK	270	0		18.45		18.2	0.0		
100	16QAM	1	1		18.47		18.2	0.0		
100	16QAM	1	1		18.47		18.2	0.0		
100	256QAM	1	1		18.47		18.2	0.0		
Channel										
				546660	546660	546660	MPR			
				546660	546660	546660	MPR			
Frequency (MHz)				546660	546660	546660	MPR			
30	QPSK	1	1		18.47		18.2	0.0		
Channel										
				546424	546424	546424	MPR			
				546424	546424	546424	MPR			
Frequency (MHz)				546424	546424	546424	MPR			
80	QPSK	1	1		18.45		18.50	0.0		
Channel										
				546600	546600	546600	MPR			
				546600	546600	546600	MPR			
Frequency (MHz)				546600	546600	546600	MPR			
70	QPSK	1	1		18.55		18.47	18.50	0.0	
Channel										
				546660	546660	546660	MPR			
				546660	546660	546660	MPR			
Frequency (MHz)				546660	546660	546660	MPR			
80	QPSK	1	1		18.49		18.50	18.2	0.0	
Channel										
				547434	547434	547434	MPR			
				547434	547434	547434	MPR			
Frequency (MHz)				547434	547434	547434	MPR			
30	QPSK	1	1		18.58		18.58	18.2	0.0	
Channel										
				54722	54722	54722	MPR			
				54722	54722	54722	MPR			
Frequency (MHz)				54722	54722	54722	MPR			
40	QPSK	1	1		18.48		18.48	18.48	18.2	0.0
Channel										
				546660	546660	546660	MPR			
				546660	546660	546660	MPR			
Frequency (MHz)				546660	546660	546660	MPR			
30	QPSK	1	1		18.51		18.51	18.2	0.0	
Channel										
				547434	547434	547434	MPR			
				547434	547434	547434	MPR			
Frequency (MHz)				547434	547434	547434	MPR			
20	QPSK	1	1		18.49		18.47	18.2	0.0	

Part27Q_n78(HPUE)_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		18.53				
100	PI2 BPSK	1	137		18.53		18.2		0.0
100	PI2 BPSK	1	271		18.57				
100	PI2 BPSK	135	0		18.54		18.2		0.0
100	PI2 BPSK	135	66		18.46		18.2		0.0
100	PI2 BPSK	135	138		18.58		18.2		0.0
100	PI2 BPSK	270	0		18.53				
100	QPSK	1	1		18.53				
100	QPSK	1	137		18.58		18.2		0.0
100	QPSK	1	271		18.57				
100	QPSK	135	0		18.37		18.2		0.0
100	QPSK	135	66		18.53		18.2		0.0
100	QPSK	135	138		18.45		18.2		0.0
100	QPSK	270	0		18.45		18.2		0.0
100	16QAM	1	1		18.47		18.2		0.0
100	256QAM	1	1		18.47		18.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.47		18.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		18.50		18.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		18.50		18.2		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		18.55		18.2		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		18.49		18.2		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.58		18.55		18.2
Channel									
Frequency (MHz)									
40	QPSK	1	1		18.49		18.47		18.2
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.49		18.52		18.2
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.54		18.56		18.2
Channel									
Frequency (MHz)									
20	QPSK	1	1		18.49		18.52		18.2

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		18.59				
100	PI2 BPSK	1	137		18.55		18.7		0.0
100	PI2 BPSK	1	271		18.58				
100	PI2 BPSK	135	0		18.52		18.7		0.0
100	PI2 BPSK	135	66		18.58		18.7		0.0
100	QPSK	1	1		18.55				
100	QPSK	1	137		18.59		18.7		0.0
100	QPSK	1	271		18.52				
100	QPSK	135	0		18.54		18.7		0.0
100	QPSK	135	138		18.51		18.7		0.0
100	QPSK	270	0		18.55		18.7		0.0
100	16QAM	1	1		18.52		18.7		0.0
100	256QAM	1	1		18.59		18.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.54		18.7		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		18.13		18.7		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1		18.01		18.7		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1		18.09		18.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.12		18.7		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1		18.14		18.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.04		18.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1		18.10		18.7		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1		18.58		18.7		0.0

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)	MPR (dB)	
Channel									
100	PI2 BPSK	1	1		18.59				
100	PI2 BPSK	1	137		18.55				

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		16.15				
100	PI2 BPSK	1	137		16.22		16.7	0.0	
100	PI2 BPSK	1	271		16.15				
100	PI2 BPSK	135	0		16.19		16.7	0.0	
100	PI2 BPSK	135	66		16.16		16.7	0.0	
100	PI2 BPSK	135	138		16.18		16.7	0.0	
100	QPSK	1	1		16.20				
100	QPSK	1	137		16.22		16.7	0.0	
100	QPSK	1	271		16.16				
100	QPSK	135	0		16.16		16.7	0.0	
100	QPSK	135	66		16.20		16.7	0.0	
100	QPSK	135	138		16.19		16.7	0.0	
100	QPSK	270	0		16.22				
100	16QAM	1	1		16.16		16.7	0.0	
100	16QAM	1	1		16.20		16.7	0.0	
100	256QAM	1	1		16.20				
Channel									
80	Frequency (MHz)			845650	850000	855350	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		16.20		16.7	0.0	
Channel									
80	Frequency (MHz)			845334	849686	854038	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		16.20		16.7	0.0	
Channel									
80	Frequency (MHz)			845000	849350	853700	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		16.20		16.7	0.0	
Channel									
70	Frequency (MHz)			844666	849016	853366	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		16.20		16.7	0.0	
Channel									
60	Frequency (MHz)			844332	848682	853032	Time-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		16.18		16.7	0.0	
Channel									
50	Frequency (MHz)			843998	848348	852698	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		16.20		16.7	0.0	
Channel									
40	Frequency (MHz)			843664	848014	852364	Time-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		16.18		16.7	0.0	
Channel									
30	Frequency (MHz)			843330	847680	852030	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		16.24		16.27	16.7	0.0

Part27Q_n78(HPUE)_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1		16.15					
100	PI2 BPSK	1	137		16.22		16.7			
100	PI2 BPSK	1	271		16.15					
100	PI2 BPSK	135	0		16.19		16.7			
100	PI2 BPSK	135	66		16.16		16.7	0.0		
100	PI2 BPSK	135	138		16.18		16.7	0.0		
100	QPSK	1	1		16.20					
100	QPSK	1	137		16.22		16.7	0.0		
100	QPSK	1	271		16.16					
100	QPSK	135	0		16.16		16.7	0.0		
100	QPSK	135	66		16.20		16.7	0.0		
100	QPSK	135	138		16.19		16.7	0.0		
100	QPSK	270	0		16.22					
100	16QAM	1	1		16.16		16.7	0.0		
100	16QAM	1	1		16.20		16.7	0.0		
100	256QAM	1	1		16.20					
Channel										
80	Frequency (MHz)			845650	850000	855350	Time-up limit (dBm)	MPR (dB)		
80	QPSK	1	1		16.20		16.7	0.0		
Channel										
80	Frequency (MHz)			845334	849686	854038	Time-up limit (dBm)	MPR (dB)		
80	QPSK	1	1		16.20		16.7	0.0		
Channel										
80	Frequency (MHz)			845000	849350	853700	Time-up limit (dBm)	MPR (dB)		
80	QPSK	1	1		16.20		16.7	0.0		
Channel										
70	Frequency (MHz)			844666	849016	853366	Time-up limit (dBm)	MPR (dB)		
70	QPSK	1	1		16.22		16.7	0.0		
Channel										
60	Frequency (MHz)			844332	848682	853032	Time-up limit (dBm)	MPR (dB)		
60	QPSK	1	1		16.18		16.7	0.0		
Channel										
50	Frequency (MHz)			843998	848348	852698	Time-up limit (dBm)	MPR (dB)		
50	QPSK	1	1		16.20		16.22	16.7	0.0	
Channel										
40	Frequency (MHz)			843664	848014	852364	Time-up limit (dBm)	MPR (dB)		
40	QPSK	1	1		16.18		16.24	16.7	0.0	
Channel										
30	Frequency (MHz)			843330	847680	852030	Time-up limit (dBm)	MPR (dB)		
30	QPSK	1	1		16.24		16.26	16.7	0.0	
Channel										
20	Frequency (MHz)			843154	848006	852858	Time-up limit (dBm)	MPR (dB)		
20	QPSK	1	1		16.24		16.17	16.27	16.7	0.0

Part27Q_n78_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1		14.05				
100	PI2 BPSK	1	137		14.21		15.7		
100	PI2 BPSK	1	271		14.21				
100	PI2 BPSK	135	0		14.20		15.7		
100	PI2 BPSK	135	66		14.07		15.7	0.0	
100	PI2 BPSK	135	138		14.20		15.7	0.0	
100	QPSK	1	1		14.05				
100	QPSK	1	137		14.20		15.7		
100	QPSK	1	271		14.21				
100	QPSK	135	0		14.02		15.7		
100	QPSK	135	66		14.26		15.7		
100	QPSK	135	138		14.09		15.7	0.0	
100	QPSK	270	0		14.25				
100	16QAM	1	1		14.24		15.7		
100	256QAM	1	1		14.08		15.7		
100	Channel				14.07				
80	Frequency (MHz)			833000	837350	841700	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		14.26		14.7	0.0	
Channel									
80	Frequency (MHz)			832666	837016	841366	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		14.07		14.7	0.0	
Channel									
80	Frequency (MHz)			832332	836682	841032	Time-up limit (dBm)	MPR (dB)	
80	QPSK	1	1		14.29		14.68	15.7	0.0
Channel									
70	Frequency (MHz)			831998	836348	840698	Time-up limit (dBm)	MPR (dB)	
70	QPSK	1	1		14.29		14.68	15.7	0.0
Channel									
60	Frequency (MHz)			831664	836014	840364	Time-up limit (dBm)	MPR (dB)	
60	QPSK	1	1		14.29		14.68	15.7	0.0
Channel									
50	Frequency (MHz)			831330	835680	840030	Time-up limit (dBm)	MPR (dB)	
50	QPSK	1	1		14.26		14.74	15.7	0.0
Channel									
40	Frequency (MHz)			830996	835346	839696	Time-up limit (dBm)	MPR (dB)	
40	QPSK	1	1		14.24		14.72	15.7	0.0
Channel									
30	Frequency (MHz)			830662	835012	839362	Time-up limit (dBm)	MPR (dB)	
30	QPSK	1	1		14.09		14.67	15.7	0.0
Channel									
20	Frequency (MHz)			830328	834678	839028	Time-up limit (dBm)	MPR (dB)	
20	QPSK	1	1		14.29		14.68	15.7	0.0

Part27Q_n78(HPUE)_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Pmax	Power Mid Ch / Pmax	Power High Ch / Pmax	Time-up limit (dBm)	MPR (dB)	
Channel									
100	Frequency (MHz)								
100	PI2 BPSK	1	1		14.05				
100	PI2 BPSK	1	137		14.21		15.7	0.0	
100	PI2 BPSK	1	271		14.21				
100	PI2 BPSK	135	0		14.20		15.7	0.0	
100	PI2 BPSK	135	66		14.07		15.7	0.0	
100	PI2 BPSK	135	138		14.20		15.7	0.0	
100	PI2 BPSK	270	0		14.26				
100	QPSK	1	1		14.05				
100	QPSK	1	137		14.20		15.7	0.0	
100	QPSK	1	271		14.21				
100	QPSK	135	0		14.02		15.7	0.0	
100	QPSK	135	66		14.26		15.7	0.0	
100	QPSK	135	138		14.09		15.7	0.0	

Part270_n78_Ant 10								
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	MFR (dB)	
Channel								
Frequency (MHz)								
100	PSS BPSK	1	1	14.54				
100	PSS BPSK	1	137	14.48		15.7	0.0	
100	PSS BPSK	1	271	14.55				
100	PSS BPSK	135	0	14.57		15.7	0.0	
100	PSS BPSK	135	86	14.48		15.7	0.0	
100	PSS BPSK	135	158	14.48		15.7	0.0	
100	PSS BPSK	270	0	14.54				
100	QPSK	1	1	14.53				
100	QPSK	1	137	14.55		15.7	0.0	
100	QPSK	1	271	14.56				
100	QPSK	135	0	14.53		15.7	0.0	
100	QPSK	135	86	14.54		15.7	0.0	
100	QPSK	135	158	14.48		15.7	0.0	
100	QPSK	270	0	14.55				
100	SSBAM	1	1	14.54		15.7	0.0	
100	SSBAM	1	1	14.55		15.7	0.0	
100	SSBAM	1	1	14.52		15.7	0.0	
Channel								
Frequency (MHz)								
90	QPSK	1	1	84555	85000	85532	MFR	
90	QPSK	1	1	84555	85000	85532	MFR	
Channel								
Frequency (MHz)								
80	QPSK	1	1	84554	85000	85566	MFR	
80	QPSK	1	1	84554	85000	85566	MFR	
Channel								
Frequency (MHz)								
70	QPSK	1	1	84537	84488	84488	15.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	84499	84452	84452	15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	84488	84447	84447	15.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	84455	84454	84454	15.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	84453	84454	84454	15.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	84451	84453	84453	15.7	0.0

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BW (KHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	MFR (dB)	
Channel								
Frequency (MHz)								
100	PSS BPSK	1	1	14.54	3750			
100	PSS BPSK	1	1	14.54				
100	PSS BPSK	1	137	14.48		15.7	0.0	
100	PSS BPSK	1	271	14.55				
100	PSS BPSK	135	0	14.57		15.7	0.0	
100	PSS BPSK	135	86	14.48		15.7	0.0	
100	PSS BPSK	135	158	14.48		15.7	0.0	
100	PSS BPSK	270	0	14.54				
100	QPSK	1	1	14.61				
100	QPSK	1	137	14.55		15.7	0.0	
100	QPSK	1	271	14.58				
100	QPSK	135	0	14.53		15.7	0.0	
100	QPSK	135	86	14.54		15.7	0.0	
100	QPSK	135	158	14.48		15.7	0.0	
100	QPSK	270	0	14.55				
100	SSBAM	1	1	14.54		15.7	0.0	
100	SSBAM	1	1	14.55		15.7	0.0	
100	SSBAM	1	1	14.52		15.7	0.0	
Channel								
Frequency (MHz)								
90	QPSK	1	1	84588	85000	85532	MFR	
90	QPSK	1	1	84588	85000	85532	MFR	
Channel								
Frequency (MHz)								
80	QPSK	1	1	84554	85000	85566	MFR	
80	QPSK	1	1	84554	85000	85566	MFR	
Channel								
Frequency (MHz)								
70	QPSK	1	1	84537	84488	84488	15.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	84499	84452	84452	15.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	84488	84447	84447	15.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	84455	84454	84454	15.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	84453	84454	84454	15.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	84451	84453	84453	15.7	0.0

Reduced Power Mode for ECI13

n2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
				375000	376000	380000			
20	PUSC BPSK	1	1	18.75	18.76	18.73	20.3	0.0	
20	PUSC BPSK	1	53	18.80	18.76	18.72			
20	PUSC BPSK	1	104	18.76	18.80	18.76			
20	PUSC BPSK	50	5	18.87	18.76	18.76	20.3	0.0	
20	PUSC BPSK	50	24	18.69	18.82	18.76	20.3	0.0	
20	PUSC BPSK	50	56	18.83	18.80	18.73	20.3	0.0	
20	PUSC BPSK	100	5	18.69	18.81	18.80	20.3	0.0	
20	QPSK	1	1	18.71	18.80	18.80	20.3	0.0	
20	QPSK	1	53	18.71	18.76	18.80			
20	QPSK	1	104	18.73	18.88	18.72			
20	QPSK	50	5	18.88	18.76	18.71	20.3	0.0	
20	QPSK	50	24	18.73	18.80	18.73	20.3	0.0	
20	QPSK	50	56	18.69	18.83	18.76	20.3	0.0	
20	QPSK	100	5	18.87	18.80	18.80	20.3	0.0	
20	HCQAM	1	1	18.76	18.80	18.81	20.3	0.0	
20	HCQAM	1	1	18.75	18.25	18.71	19.3	1.0	
Channel									
				375000	376000	380000	Time-up time (min)	MPL (dB)	
15	QPSK	1	1	18.76	18.76	18.76	20.3	0.0	
Channel									
				375000	376000	380000	Time-up time (min)	MPL (dB)	
10	QPSK	1	1	18.80	18.80	18.80	20.3	0.0	
Channel									
				1832.5	1880	1887.5	Time-up time (min)	MPL (dB)	
5	QPSK	1	1	18.80	18.84	18.74	20.3	0.0	

n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
				375000	380000	380000			
20	PUSC BPSK	1	1	20.88	20.79	20.57	21.8	0.0	
20	PUSC BPSK	1	53	20.71	20.71	20.82			
20	PUSC BPSK	1	104	20.88	20.79	20.83			
20	PUSC BPSK	50	5	20.74	20.76	20.80	21.8	0.0	
20	PUSC BPSK	50	24	20.89	20.72	20.57	21.8	0.0	
20	PUSC BPSK	50	56	20.74	20.72	20.83	21.8	0.0	
20	PUSC BPSK	100	5	20.71	20.76	20.87	21.8	0.0	
20	QPSK	1	1	20.51	20.84	20.51	21.8	0.0	
20	QPSK	1	53	20.88	20.76	20.61			
20	QPSK	1	104	20.76	20.88	20.83			
20	QPSK	50	5	20.77	20.76	20.88	21.8	0.0	
20	QPSK	50	24	20.76	20.80	20.76	21.8	0.0	
20	QPSK	50	56	20.71	20.71	20.50	21.8	0.0	
20	QPSK	100	5	20.73	20.73	20.60	21.8	0.0	
20	HCQAM	1	1	20.76	20.80	20.87	21.8	0.0	
20	HCQAM	1	1	20.88	20.14	20.88	21.3	0.5	
20	HCQAM	1	1	18.85	18.88	18.80	18.3	2.5	
Channel									
				375000	376000	380000	Time-up time (min)	MPL (dB)	
15	QPSK	1	1	20.79	20.77	20.58	21.8	0.0	
Channel									
				375000	376000	380000	Time-up time (min)	MPL (dB)	
10	QPSK	1	1	20.73	20.82	20.71	21.8	0.0	
Channel									
				1832.5	1880	1887.5	Time-up time (min)	MPL (dB)	
5	QPSK	1	1	20.88	20.83	20.80	21.8	0.0	

n2_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
20	PUSC BPSK	1	1	19.57	19.57	19.47	20.8	0.0	
20	PUSC BPSK	1	53	19.48	19.59	19.43			
20	PUSC BPSK	1	104	19.48	19.62	19.51			
20	PUSC BPSK	50	5	19.46	19.58	19.50	20.8	0.0	
20	PUSC BPSK	50	24	19.47	19.83	19.43	20.8	0.0	
20	PUSC BPSK	50	56	19.60	19.81	19.51	20.8	0.0	
20	PUSC BPSK	100	5	19.59	19.53	19.53	20.8	0.0	
20	QPSK	1	1	19.51	19.85	19.51	20.8	0.0	
20	QPSK	1	53	19.46	19.58	19.48	20.8	0.0	
20	QPSK	1	104	19.52	19.57	19.49	20.8	0.0	
20	QPSK	50	5	19.48	19.80	19.45	20.8	0.0	
20	QPSK	50	24	19.57	19.84	19.53	20.8	0.0	
20	QPSK	50	56	19.53	19.81	19.43	20.8	0.0	
20	QPSK	100	5	19.51	19.80	19.49	20.8	0.0	
20	HCQAM	1	1	19.59	19.54	19.43	20.8	0.0	
20	HCQAM	1	1	17.74	17.85	17.75	19.3	1.0	
20	HCQAM	1	1	19.53	18.47	19.24	17.3	3.5	
Channel									
				375000	376000	380000	Time-up time (min)	MPL (dB)	
15	QPSK	1	1	19.48	19.51	19.39	20.8	0.0	
Channel									
				375000	376000	380000	Time-up time (min)	MPL (dB)	
10	QPSK	1	1	19.57	19.80	19.49	20.8	0.0	
Channel									
				1832.5	1880	1887.5	Time-up time (min)	MPL (dB)	
5	QPSK	1	1	19.57	19.83	19.40	20.8	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	MPL (dB)	
Channel									
Frequency (MHz)				1832.5	1873.5	1880.0			
20	PUSC BPSK	1	1	19.82	19.82	19.77	21.0	0.0	
20	PUSC BPSK	1	53	19.76	19.83	19.77			
20	PUSC BPSK	1	104	19.83	19.82	19.78			
20	PUSC BPSK	50	5	19.83	19.82	19.82	21.0	0.0	
20	PUSC BPSK	50	24	19.84	19.82	19.88	21.0	0.0	
20	PUSC BPSK	50	56	19.81	19.82	19.76	21.0	0.0	
20	PUSC BPSK	100	5	19.88	19.85	19.74	21.0	0.0	
20	QPSK	1	1	19.51	19.85	19.51	21.0	0.0	
20	QPSK	1	53	19.80	19.82	19.81	21.0	0.0	
20	QPSK	1	104	19.84	19.84	19.82	21.0	0.0	
20	QPSK	50	5	19.79	19.82	19.80	21.0	0.0	
20	QPSK	50	24	19.80	19.83	19.80	21.0	0.0	
20	QPSK	50	56	19.76	19.82	19.74	21.0	0.0	
20	QPSK	100	5	19.87	19.80	19.76	21.0	0.0	
20	HCQAM	1	1	19.88	19.80	19.88	21.0	0.0	
20	HCQAM	1	1	19.85	19.82	19.83	21.0	0.0	
20	HCQAM	1	1	19.82	19.85	19.78	20.5	0.5	
Channel									
Frequency (MHz)				1832.5	1873.5	1880.0	Time-up time (min)	MPL (dB)	
15	QPSK	1	1	19.76	19.83	19.83	21.0	0.0	
Channel									
Frequency (MHz)				1832.5	1873.5	1880.0	Time-up time (min)	MPL (dB)	
10	QPSK	1	1	19.80	19.80	19.78	21.0	0.0	
Channel									
Frequency (MHz)				1832.5	1873.5	1880.0	Time-up time (min)	MPL (dB)	
5	QPSK	1	1	19.88	19.83	19.76	21.0	0.0	

n5_Ant 0							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midline Ch. [Freq.]	Power High Ch. [Freq.]	MFR (dB)
Channel							
Frequency [MHz]							
20	PUSC BPSK	1	1	19.84	19.98	19.88	
20	PUSC BPSK	1	53	19.89	19.92	19.79	21.5
20	PUSC BPSK	1	104	19.79	19.98	19.80	
20	PUSC BPSK	50	5	19.85	19.95	19.80	21.5
20	PUSC BPSK	50	24	19.87	19.87	19.89	21.5
20	PUSC BPSK	50	58	19.75	19.87	19.78	
20	PUSC BPSK	500	5	19.80	19.84	19.80	21.5
20	QPSK	1	1	19.80	19.88	19.80	
20	QPSK	1	53	19.79	19.80	19.81	21.5
20	QPSK	1	104	19.89	19.89	19.79	
20	QPSK	50	5	19.81	19.90	19.78	21.5
20	QPSK	50	24	19.85	19.92	19.79	21.5
20	QPSK	50	58	19.70	19.84	19.79	
20	QPSK	500	5	19.77	19.84	19.84	21.5
20	ISGAM	1	1	19.89	19.89	19.82	21.5
20	ISGAM	1	1	19.89	19.89	19.81	21.5
20	ISGAM	1	1	19.85	19.92	19.81	21.5
20	ISGAM	1	1	19.85	19.92	19.81	21.5
Channel							
Frequency [MHz]							
18	QPSK	1	1	19.84	19.98	19.79	21.5
Channel							
Frequency [MHz]							
10	QPSK	1	1	19.89	19.89	19.81	21.5
Channel							
Frequency [MHz]							
8	QPSK	1	1	19.81	19.84	19.80	21.5

n7_Ant 4							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midline Ch. [Freq.]	Power High Ch. [Freq.]	MFR (dB)
Channel							
Frequency [MHz]							
40	PUSC BPSK	1	1	18.25	18.44	18.32	
40	PUSC BPSK	1	108	18.25	18.44	18.38	20.0
40	PUSC BPSK	1	214	18.28	18.48	18.28	
40	PUSC BPSK	108	5	18.24	18.45	18.28	20.0
40	PUSC BPSK	108	54	18.28	18.45	18.37	20.0
40	PUSC BPSK	108	108	18.18	18.38	18.33	20.0
40	PUSC BPSK	214	5	18.30	18.47	18.38	
40	QPSK	1	1	18.21	18.50	18.21	
40	QPSK	1	108	18.18	18.44	18.21	20.0
40	QPSK	1	214	18.25	18.45	18.40	20.0
40	QPSK	108	5	18.18	18.38	18.27	20.0
40	QPSK	108	54	18.25	18.45	18.26	20.0
40	QPSK	108	108	18.22	18.37	18.21	20.0
40	QPSK	214	5	18.30	18.46	18.21	20.0
40	ISGAM	1	1	18.38	18.42	18.30	20.0
40	ISGAM	1	1	18.23	18.43	18.40	20.0
40	ISGAM	1	1	18.21	18.47	18.32	20.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	18.23	18.38	18.29	20.0
Channel							
Frequency [MHz]							
25	QPSK	1	1	18.19	18.44	18.37	20.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.29	18.40	18.36	20.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	18.17	18.35	18.28	20.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	18.24	18.35	18.39	20.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	18.22	18.38	18.29	20.0

n7_Ant 3							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midline Ch. [Freq.]	Power High Ch. [Freq.]	MFR (dB)
Channel							
Frequency [MHz]							
40	PUSC BPSK	1	1	20.15	20.19	20.07	
40	PUSC BPSK	1	108	20.25	20.17	20.07	21.5
40	PUSC BPSK	1	214	20.19	20.23	20.12	
40	PUSC BPSK	108	5	20.19	20.24	20.06	21.5
40	PUSC BPSK	108	54	20.22	20.28	20.08	21.5
40	PUSC BPSK	108	108	20.20	20.17	20.13	21.5
40	PUSC BPSK	214	5	20.24	20.22	20.14	
40	QPSK	1	1	20.20	20.20	20.10	
40	QPSK	1	108	20.27	20.17	20.06	21.5
40	QPSK	1	214	20.28	20.28	20.08	21.5
40	QPSK	108	5	20.14	20.20	20.02	21.5
40	QPSK	108	54	20.21	20.31	20.11	21.5
40	QPSK	108	108	20.13	20.20	20.11	21.5
40	QPSK	214	5	20.22	20.22	20.06	21.5
40	ISGAM	1	1	20.22	20.25	20.08	21.5
40	ISGAM	1	1	20.21	20.22	20.13	21.5
40	ISGAM	1	1	19.90	19.82	19.82	20.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	20.27	20.17	20.08	21.5
Channel							
Frequency [MHz]							
25	QPSK	1	1	20.14	20.22	20.11	21.5
Channel							
Frequency [MHz]							
20	QPSK	1	1	20.26	20.19	20.04	21.5
Channel							
Frequency [MHz]							
10	QPSK	1	1	20.10	20.20	20.10	21.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	20.13	20.20	20.08	21.5

n7_Ant 5							
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midline Ch. [Freq.]	Power High Ch. [Freq.]	MFR (dB)
Channel							
Frequency [MHz]							
40	PUSC BPSK	1	1	19.78	19.83	19.78	
40	PUSC BPSK	1	108	19.72	19.87	19.75	21.0
40	PUSC BPSK	1	214	19.72	19.77	19.72	
40	PUSC BPSK	108	5	19.86	19.89	19.71	21.0
40	PUSC BPSK	108	54	19.73	19.88	19.78	21.0
40	PUSC BPSK	108	108	19.85	19.82	19.77	21.0
40	PUSC BPSK	214	5	19.74	19.88	19.69	
40	QPSK	1	1	19.67	19.81	19.61	
40	QPSK	1	108	19.83	19.80	19.76	21.0
40	QPSK	1	214	19.83	19.80	19.73	21.0
40	QPSK	108	5	19.70	19.76	19.71	21.0
40	QPSK	108	54	19.82	19.88	19.75	21.0
40	QPSK	108	108	19.79	19.77	19.82	21.0
40	QPSK	214	5	19.72	19.77	19.72	21.0
40	ISGAM	1	1	19.45	19.86	19.58	21.0
40	ISGAM	1	1	18.13	18.16	18.08	19.5
40	ISGAM	1	1	18.70	18.72	18.69	17.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	19.81	19.83	19.68	21.0
Channel							
Frequency [MHz]							
25	QPSK	1	1	19.82	19.80	19.78	21.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	19.82	19.81	19.78	21.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	19.84	19.83	19.81	21.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.77	19.82	19.71	21.0

n12_Ant 1							
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midline Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (min)
Channel							
Frequency (MHz)							
15	PUS BPSK	1	1	21.41	21.43	21.29	22.3
15	PUS BPSK	1	46	21.34	21.36	21.34	
15	PUS BPSK	1	77	21.40	21.39	21.33	
15	PUS BPSK	36	5	21.35	21.41	21.29	
15	PUS BPSK	36	22	21.34	21.38	21.22	
15	PUS BPSK	36	43	21.44	21.37	21.23	22.3
15	PUS BPSK	36	5	21.40	21.36	21.27	
15	QPSK	1	1	21.21	21.20	21.22	
15	QPSK	1	46	21.42	21.42	21.21	
15	QPSK	1	77	21.37	21.37	21.23	
15	QPSK	36	5	21.21	21.20	21.23	22.3
15	QPSK	36	22	21.35	21.47	21.25	
15	QPSK	36	43	21.34	21.42	21.29	
15	QPSK	36	5	21.42	21.44	21.22	
15	ISGAM	1	1	21.39	21.47	21.28	
15	ISGAM	1	1	20.75	20.23	20.71	21.5
15	256QAM	1	1	19.73	19.87	19.79	19.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.40	21.42	21.22	22.3
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.45	21.73	21.55	22.3

n12_Ant 0								
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midline Ch. [Freq.]	Power High Ch. [Freq.]	Turn-up time (min)	MPL (dB)
Channel				16.75	16.75			
Frequency (MHz)				16.75	16.75	16.5		
15	PUS BPSK	1	1	21.73	21.85	21.58	22.3	0.0
15	PUS BPSK	1	46	21.78	21.83	21.81		
15	PUS BPSK	1	77	21.72	21.79	21.54		
15	PUS BPSK	36	5	21.75	21.79	21.52		
15	PUS BPSK	36	22	21.72	21.78	21.50		
15	PUS BPSK	36	43	21.73	21.81	21.84	22.3	0.0
15	PUS BPSK	36	5	21.77	21.82	21.85		
15	QPSK	1	1	21.73	21.84	21.55		
15	QPSK	1	46	21.76	21.76	21.82		
15	QPSK	1	77	21.68	21.68	21.57		
15	QPSK	36	5	21.21	21.25	21.15	21.8	0.0
15	QPSK	36	22	21.14	21.20	21.05		
15	QPSK	36	43	21.12	21.20	21.20		
15	QPSK	36	5	21.36	21.36	21.21		
15	ISGAM	1	1	20.84	20.99	20.99		
15	ISGAM	1	1	19.49	19.54	19.50	20.3	0.5
15	ISGAM	1	1	17.99	18.12	18.05	18.3	4.9
Channel				16.75	16.75			
Frequency (MHz)				16.75	16.75	16.5		
15	QPSK	1	1	21.85	21.73	21.58	22.3	0.0
Channel				16.75	16.75			
Frequency (MHz)				16.75	16.75	16.5		
5	QPSK	1	1	21.86	21.89	21.59	22.3	0.0

n26_Ant 1								
RF [MHz]	Modulation	RB Size	RB Offset	Power Midline Ch. [Power Midline Ch. Freq.]	Power Midline Ch. [Power Midline Ch. Freq.]	Power Low Ch. [Power Low Ch. Freq.]	Turnup time (min)	
Frequency (MHz)								
20	PUS BPSK	1	1	19.73	19.84	19.84	21.0	
20	PUS BPSK	1	50	19.76	19.84	19.87		
20	PUS BPSK	1	104	19.80	19.85	19.90		
20	PUS BPSK	36	5	19.69	19.81	19.85		
20	PUS BPSK	36	28	19.68	19.89	19.95		
20	PUS BPSK	36	58	19.74	19.81	19.87	21.0	
20	PUS BPSK	100	5	19.79	19.87	19.88		
20	QPSK	1	1	19.51	20.00	19.92		
20	QPSK	1	50	19.76	19.87	19.81		
20	QPSK	1	104	19.78	19.87	19.77		
20	QPSK	36	5	19.60	19.82	19.79	21.0	
20	QPSK	36	28	19.75	19.85	19.85		
20	QPSK	36	58	19.67	19.81	19.76		
20	QPSK	100	5	19.74	19.84	19.76		
20	ISGAM	1	1	19.67	19.87	19.88		
20	ISGAM	1	1	19.68	19.87	19.81	20.5	
20	ISGAM	1	1	19.69	19.85	19.89		
Channel								
15	QPSK	1	1	19.68	19.85	19.86		
Frequency (MHz)								
10	QPSK	1	1	19.72	19.87	19.82		
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.76	19.87	19.83		

n26_Ant 0								
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [dBm]	Power Midline Ch. [dBm]	Power High Ch. [dBm]	Turn-up time (min)	MFR (dB)
Channel								
Frequency (MHz)								
20	PUS BPSK	1	1	19.84	19.95	19.83	21.5	0.0
20	PUS BPSK	1	50	19.87	19.93	19.89		
20	PUS BPSK	1	104	19.90	19.97	19.98		
20	PUS BPSK	36	5	19.85	19.97	19.94		
20	PUS BPSK	36	28	19.87	19.94	19.93		
20	PUS BPSK	36	58	19.86	19.94	19.88	21.5	0.0
20	PUS BPSK	100	5	19.89	19.99	19.91		
20	QPSK	1	1	19.59	20.07	19.97		
20	QPSK	1	50	19.84	19.99	19.94		
20	QPSK	1	104	19.85	19.98	19.95		
20	QPSK	36	5	19.83	19.94	19.93	21.5	0.0
20	QPSK	36	28	19.75	19.95	19.95		
20	QPSK	36	58	19.84	19.90	19.85		
20	QPSK	100	5	19.95	19.97	19.93		
20	ISGAM	1	1	19.93	19.99	19.88		
20	ISGAM	1	1	19.87	19.98	19.88	21.0	0.0
20	ISGAM	1	1	18.93	18.93	18.88	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.83	19.85	19.80	Turn-up time (min)	MFR
15	QPSK	1	1	19.81	19.81	19.75	21.0	0.0
15	QPSK	1	1	19.98	19.98	19.98	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.81	19.81	19.84	21.0	0.0
10	QPSK	1	1	19.90	19.89	19.92	21.5	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.84	19.92	19.87	21.0	0.0

n66_Ant 4								
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	
Channel								
Frequency (MHz)								
40	PCU BPSK	1	1	19.24	19.30	19.37	0.0	
40	PCU BPSK	1	108	19.27	19.34	19.38		
40	PCU BPSK	1	214	19.36	19.33	19.32		
40	PCU BPSK	108	0	19.26	19.36	19.29	0.0	
40	PCU BPSK	108	54	19.38	19.38	19.32		
40	PCU BPSK	108	108	19.30	19.33	19.35		
40	PCU BPSK	214	0	19.25	19.30	19.37	0.0	
40	QPSK	1	1	19.27	19.44	19.25		
40	QPSK	1	108	19.26	19.36	19.28		
40	QPSK	1	214	19.34	19.40	19.30	0.0	
40	QPSK	108	0	19.24	19.38	19.32		
40	QPSK	108	54	19.24	19.43	19.25		
40	QPSK	108	108	19.24	19.29	19.25	0.0	
40	QPSK	214	0	19.21	19.34	19.23		
40	MSKAM	1	1	19.25	19.38	19.38		
40	MSKAM	1	1	19.31	19.38	19.34	0.0	
40	MSKAM	1	1	19.30	19.42	19.34		
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.24	19.40	19.26		0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.29	19.35	19.24	0.0	
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.29	19.40	19.30	0.0	
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.14	19.23	19.23	0.0	
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.27	19.37	19.29	0.0	
Channel								
Frequency (MHz)								

n66_Ant 3								
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	
Channel								
Frequency (MHz)								
40	PCU BPSK	1	1	20.29	20.29	20.20	0.0	
40	PCU BPSK	1	108	20.17	20.11	20.23		
40	PCU BPSK	1	214	20.29	20.30	20.20		
40	PCU BPSK	108	0	20.27	20.20	20.24	0.0	
40	PCU BPSK	108	54	20.15	20.20	20.14		
40	PCU BPSK	108	108	20.29	20.35	20.17		
40	QPSK	214	0	20.24	20.25	20.21	0.0	
40	QPSK	1	1	20.20	20.30	20.20		
40	QPSK	1	108	20.22	20.24	20.21	0.0	
40	QPSK	1	214	20.23	20.23	20.22		
40	QPSK	108	0	20.25	20.22	20.19	0.0	
40	QPSK	108	54	20.27	20.19	20.21		
40	QPSK	108	108	20.12	20.30	20.10		
40	QPSK	214	0	20.22	20.20	20.26	0.0	
40	MSKAM	1	1	20.28	20.34	20.17		
40	MSKAM	1	1	20.27	20.34	20.14	0.0	
40	MSKAM	1	1	19.40	19.78	19.84		
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.18	20.23	20.16	0.0	
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.25	20.24	20.19	0.0	
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.27	20.28	20.21	0.0	
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.10	20.10	20.13	0.0	
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.27	20.23	20.13	0.0	
Channel								
Frequency (MHz)								

n66_Ant 5								
SV [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Time-up time (min)	
Channel								
Frequency (MHz)								
40	PCU BPSK	1	1	20.68	20.77	20.80	0.0	
40	PCU BPSK	1	108	20.78	20.84	20.79		
40	PCU BPSK	1	214	20.79	20.80	20.78		
40	PCU BPSK	108	0	20.69	20.81	20.86	0.0	
40	PCU BPSK	108	54	20.87	20.83	20.77		
40	PCU BPSK	108	108	20.78	20.87	20.87		
40	PCU BPSK	214	0	20.82	20.82	20.80	0.0	
40	QPSK	1	1	20.83	20.80	20.81		
40	QPSK	1	108	20.71	20.71	20.74	0.0	
40	QPSK	1	214	20.89	20.87	20.74		
40	QPSK	108	0	20.74	20.81	20.84	0.0	
40	QPSK	108	54	20.79	20.82	20.77		
40	QPSK	108	108	20.68	20.80	20.88		
40	QPSK	214	0	20.68	20.80	20.88	0.0	
40	MSKAM	1	1	20.82	20.83	20.82		
40	MSKAM	1	1	19.07	19.20	19.13	1.5	
40	MSKAM	1	1	17.75	17.79	17.78		
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.68	20.78	20.77	0.0	
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.69	20.83	20.70	0.0	
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.78	20.78	20.72	0.0	
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.82	20.82	20.77	0.0	
Channel								
Frequency (MHz)								
5	QPSK	1	1	20.82	20.73	20.75	0.0	
Channel								
Frequency (MHz)								

n38_Ant 4									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	dBm	dBm
Channel									
Frequency (MHz)									
Channel									
40	PUS-BPSK	1	1	18.32	18.43	18.27			
40	PUS-BPSK	1	53	18.32	18.49	18.41	20.0	0.0	
40	PUS-BPSK	1	104	18.40	18.48	18.37			
40	PUS-BPSK	50	0	18.40	18.50	18.37	20.0	0.0	
40	PUS-BPSK	50	26	18.32	18.43	18.29	20.0	0.0	
40	PUS-BPSK	50	56	18.43	18.43	18.27	20.0	0.0	
40	PUS-BPSK	100	0	18.32	18.41	18.33			
40	QPSK	1	1	18.31	18.51	18.52			
40	QPSK	1	53	18.37	18.50	18.47	20.0	0.0	
40	QPSK	1	104	18.32	18.50	18.37			
40	QPSK	50	0	18.38	18.39	18.35	20.0	0.0	
40	QPSK	50	26	18.43	18.40	18.41	20.0	0.0	
40	QPSK	50	56	18.40	18.39	18.38	20.0	0.0	
40	QPSK	100	0	18.32	18.43	18.38			
40	SSB-QAM	1	1	18.32	18.37	18.36	20.0	0.0	
40	SSB-QAM	1	1	18.37	18.45	18.41	20.0	0.0	
40	SSB-QAM	1	1	18.32	18.40	18.40	20.0	0.0	
Channel									
Frequency (MHz)									
Channel									
30	QPSK	1	1	18.32	18.42	18.39	20.0	0.0	
Channel									
Frequency (MHz)									
Channel									
20	QPSK	1	1	18.30	18.50	18.37	20.0	0.0	
Channel									
Frequency (MHz)									
Channel									
10	QPSK	1	1	18.44	18.42	18.29	20.0	0.0	
Channel									
Frequency (MHz)									
Channel									
10	QPSK	1	1	18.40	18.41	18.38	20.0	0.0	

n38_Ant 3									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	dBm	dBm
Channel									
Frequency (MHz)									
Channel									
40	PUS-BPSK	1	1	20.73	20.88	20.78			
40	PUS-BPSK	1	53	20.64	20.78	20.82	22.0	0.0	
40	PUS-BPSK	1	104	20.69	20.84	20.88			
40	PUS-BPSK	50	0	20.69	20.77	20.80	22.0	0.0	
40	PUS-BPSK	50	26	20.69	20.80	20.77	22.0	0.0	
40	PUS-BPSK	50	56	20.61	20.83	20.82	22.0	0.0	
40	PUS-BPSK	100	0	20.64	20.88	20.85			
40	QPSK	1	1	20.74	20.85	20.81			
40	QPSK	1	53	20.69	20.74	20.78	22.0	0.0	
40	QPSK	1	104	20.69	20.80	20.80			
40	QPSK	50	0	20.67	20.78	20.82	22.0	0.0	
40	QPSK	50	26	20.73	20.82	20.78	22.0	0.0	
40	QPSK	50	56	20.59	20.72	20.74	22.0	0.0	
40	QPSK	100	0	20.67	20.80	20.77			
40	SSB-QAM	1	1	20.64	20.81	20.78	22.0	0.0	
40	SSB-QAM	1	1	20.61	20.87	20.78	22.0	0.0	
40	SSB-QAM	1	1	18.64	18.71	18.68	20.0	0.0	
Channel									
Frequency (MHz)									
Channel									
30	QPSK	1	1	20.71	20.83	20.78	22.0	0.0	
Channel									
Frequency (MHz)									
Channel									
20	QPSK	1	1	20.75	20.75	20.75	22.0	0.0	
Channel									
Frequency (MHz)									
Channel									
10	QPSK	1	1	20.69	20.88	20.82	22.0	0.0	
Channel									
Frequency (MHz)									
Channel									
10	QPSK	1	1	20.65	20.84	20.81	22.0	0.0	

n38_Ant 5									
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	dBm	dBm
Channel									
Frequency (MHz)									
Channel									
40	PUS-BPSK	1	1	20.87	20.88	20.88			
40	PUS-BPSK	1	53	20.44	20.58	20.52	22.0	0.0	
40	PUS-BPSK	1	104	20.45	20.50	20.49			
40	PUS-BPSK	50	0	20.53	20.64	20.50	21.5	0.5	
40	PUS-BPSK	50	26	20.38	20.49	20.40	21.5	0.5	
40	PUS-BPSK	50	56	19.84	19.92	19.78	21.5	0.5	
40	PUS-BPSK	100	0	19.89	19.97	19.89			
40	QPSK	1	1	20.90	20.93	20.91			
40	QPSK	1	53	20.38	20.47	20.30	22.0	0.0	
40	QPSK	1	104	20.31	20.48	20.33			
40	QPSK	50	0	19.40	19.50	19.49	21.0	1.0	
40	QPSK	50	26	20.37	20.45	20.38	22.0	0.0	
40	QPSK	50	56	19.34	19.38	19.36	21.0	1.0	
40	QPSK	100	0	19.38	19.40	19.39			
40	SSB-QAM	1	1	19.23	19.38	19.24	21.0	1.0	
40	SSB-QAM	1	1	17.92	17.94	17.85	19.5	2.5	
40	SSB-QAM	1	1	16.47	16.48	16.38	17.5	4.5	
Channel									
Frequency (MHz)									
Channel									
30	QPSK	1	1	20.47	20.63	20.54	21.0	0.0	
Channel									
Frequency (MHz)									
Channel									
20	QPSK	1	1	20.57	20.48	20.48	20.0	0.0	
Channel									
Frequency (MHz)									
Channel									
10	QPSK	1	1	20.58	20.53	20.49	22.0	0.0	
Channel									
Frequency (MHz)									
Channel									
10	QPSK	1	1	20.51	20.48	20.53	22.0	0.0	

n41_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Main Ch. 2 [Freq.]	Power High Ch. 3 [Freq.]	Time-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]				2541.01	2602.50	2664.50			
100	P102 BPSK	1	1	18.58	18.57	18.55			
100	P102 BPSK	1	137	18.62	18.73	18.67	20.2	0.0	
100	P102 BPSK	1	271	18.57	18.73	18.65			
100	P102 BPSK	135	0	18.55	18.73	18.59	20.2	0.0	
100	P102 BPSK	135	68	18.62	18.73	18.65			
100	P102 BPSK	135	134	18.63	18.67	18.61	20.2	0.0	
100	QPSK	1	1	18.71	18.77	18.75			
100	QPSK	1	137	18.59	18.73	18.68	20.2	0.0	
100	QPSK	1	271	18.59	18.65	18.65			
100	QPSK	135	0	18.61	18.72	18.61	20.2	0.0	
100	QPSK	135	68	18.62	18.76	18.69			
100	QPSK	135	134	18.52	18.63	18.65	20.2	0.0	
100	QPSK	270	0	18.64	18.73	18.61	20.2	0.0	
100	16QAM	1	1	18.58	18.76	18.65	20.2	0.0	
100	16QAM	1	1	18.59	18.64	18.55	20.2	0.0	
100	256QAM	1	1	18.65	18.67	18.65	20.2	0.0	
Channel									
Frequency [MHz]				500002	518008	526006			
80	QPSK	1	1	18.58	18.73	18.65	20.2	0.0	
Channel									
Frequency [MHz]				507004	518008	526006			
80	QPSK	1	1	18.64	18.63	18.59	20.2	0.0	
Channel									
Frequency [MHz]				500002	518008	526006			
70	QPSK	1	1	18.58	18.62	18.59	20.2	0.0	
Channel									
Frequency [MHz]				505000	518008	526006			
60	QPSK	1	1	18.59	18.65	18.63	20.2	0.0	
Channel									
Frequency [MHz]				502000	518008	526006			
50	QPSK	1	1	18.60	18.68	18.61	20.2	0.0	
Channel									
Frequency [MHz]				507004	518008	526006			
40	QPSK	1	1	18.52	18.62	18.55	20.2	0.0	
Channel									
Frequency [MHz]				502000	518008	526006			
30	QPSK	1	1	18.57	18.63	18.62	20.2	0.0	
Channel									
Frequency [MHz]				501004	518008	526006			
20	QPSK	1	1	18.59	18.73	18.65	20.2	0.0	

n41(HPUE)_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Main Ch. 2 [Freq.]	Power High Ch. 3 [Freq.]	Time-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]				2541.00	2602.50	2664.50			
100	P102 BPSK	1	1	18.58	18.67	18.55			
100	P102 BPSK	1	137	18.62	18.73	18.67	20.2	0.0	
100	P102 BPSK	1	271	18.57	18.73	18.65			
100	P102 BPSK	135	0	18.55	18.73	18.59	20.2	0.0	
100	P102 BPSK	135	68	18.63	18.73	18.65			
100	P102 BPSK	135	134	18.59	18.67	18.61	20.2	0.0	
100	P102 BPSK	270	0	18.57	18.67	18.63			
100	QPSK	1	1	18.73	18.77	18.75			
100	QPSK	1	137	18.59	18.65	18.65	20.2	0.0	
100	QPSK	1	271	18.59	18.65	18.65			
100	QPSK	135	0	18.61	18.72	18.61	20.2	0.0	
100	QPSK	135	68	18.62	18.76	18.69			
100	QPSK	135	134	18.52	18.63	18.65	20.2	0.0	
100	QPSK	270	0	18.64	18.73	18.61	20.2	0.0	
100	16QAM	1	1	18.58	18.76	18.65	20.2	0.0	
100	16QAM	1	1	18.59	18.64	18.55	20.2	0.0	
100	256QAM	1	1	18.65	18.67	18.65	20.2	0.0	
Channel									
Frequency [MHz]				507004.00	518008.00	526006.00			
80	QPSK	1	1	18.59	18.73	18.65	20.2	0.0	
Channel									
Frequency [MHz]				507004.00	518008.00	526006.00			
80	QPSK	1	1	18.64	18.63	18.59	20.2	0.0	
Channel									
Frequency [MHz]				500002.00	518008.00	526006.00			
70	QPSK	1	1	18.58	18.62	18.59	20.2	0.0	
Channel									
Frequency [MHz]				500002.00	518008.00	526006.00			
60	QPSK	1	1	18.59	18.65	18.63	20.2	0.0	
Channel									
Frequency [MHz]				502000.00	518008.00	526006.00			
50	QPSK	1	1	18.60	18.68	18.61	20.2	0.0	
Channel									
Frequency [MHz]				507004.00	518008.00	526006.00			
40	QPSK	1	1	18.52	18.62	18.55	20.2	0.0	
Channel									
Frequency [MHz]				502000.00	518008.00	526006.00			
30	QPSK	1	1	18.57	18.63	18.62	20.2	0.0	
Channel									
Frequency [MHz]				501004.00	518008.00	526006.00			
20	QPSK	1	1	18.59	18.73	18.65	20.2	0.0	

n41_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Main Ch. 2 [Freq.]	Power High Ch. 3 [Freq.]	Time-up time (min)	MFR (dB)	
Channel									
Frequency [MHz]				2541.00	2602.50	2664.50			
100	P102 BPSK	1	1	20.58	20.73	20.65			
100	P102 BPSK	1	137	20.62	20.76	20.68	21.7	0.0	
100	P102 BPSK	1	271	20.64	20.79	20.61			
100	P102 BPSK	135	0	20.65	20.77	20.63	21.7	0.0	
100	P102 BPSK	135	68	20.64	20.75	20.65			
100	P102 BPSK	135	134	20.67	20.69	20.71	21.7	0.0	
100	P102 BPSK	270	0	20.58	20.75	20.61			
100	QPSK	1	1	20.68	20.83	20.75			
100	QPSK	1	137	20.53	20.82	20.69	21.7	0.0	
100	QPSK	1	271	20.66	20.74	20.73			
100	QPSK	135	0	20.61	20.73	20.68	21.7	0.0	
100	QPSK	135	68	20.61	20.81	20.74			
100	QPSK	135	134	20.53	20.68	20.71	21.7	0.0	
100	QPSK	270	0	20.60	20.70	20.71	21.7	0.0	
100	16QAM	1	1	20.61	20.79	20.71	21.7	0.0	
100	16QAM	1	1	20.53	20.74	20.69	21.7	0.0	
100	256QAM	1	1	20.58	20.75	20.69	21.7	0.0	
Channel									
Frequency [MHz]				500002.00	518008.00	526006.00			
80	QPSK	1	1	20.58	20.77	20.75	21.7	0.0	
Channel									
Frequency [MHz]				507004.00	518008.00	526006.00			
80	QPSK	1	1	20.61	20.74	20.67	21.7	0.0	
Channel									
Frequency [MHz]				500002.00	518008.00	526006.00			
70	QPSK	1	1	20.67	20.77	20.69	21.7	0.0	
Channel									
Frequency [MHz]				505000.00	518008.00	526006.00			
60	QPSK	1	1	20.67	20.74	20.70	21.7	0.0	
Channel									
Frequency [MHz]				500002.00	518008.00	526006.00			
50	QPSK	1	1	20.58	20.73	20.65	21.7	0.0	
Channel									
Frequency [MHz]				505000.00	518008.00	526006.00			
40	QPSK	1	1	20.56	20.72	20.64	21.7	0.0	
Channel									
Frequency [MHz]				507004.00	518008.00	526006.00			
30	QPSK	1	1	20.11	20.12	20.14	21.7	0.0	
Channel									
Frequency [MHz]				507004.00	518008.00	526006.00			
20	QPSK	1	1	20.08	20.09	20.10	21.7	0.0	

Part270_n77_Ant 7								
Env (3rd)	Mutation	R Size	RB Offset	Power Model (Ch./Freq.)	Power Model (Ch./Freq.)	Power Model (Ch./Freq.)	Power-up (dBm)	LAU (dB)
Channel				37.50	3640			
Frequency (MHz)				15.87	15.87	15.25		
100	PCB1	1	1	15.87	15.87	15.25	17.2	0.0
100	PCB2	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB3	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB4	1	271	15.84	15.82	15.25		
100	PCB5	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB6	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB7	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB8	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB9	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB10	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB11	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB12	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB13	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB14	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB15	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB16	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB17	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB18	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB19	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB20	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB21	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB22	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB23	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB24	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB25	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB26	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB27	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB28	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB29	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB30	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB31	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB32	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB33	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB34	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB35	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB36	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB37	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB38	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB39	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB40	158	1	15.87	15.87	15.25	17.2	0.0
100	PCB41	158	1	15.87	15.87	15.25	17.2	0.0

Part270_n77_Ant 5											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mid Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PIC BPSK	1	1					18.7			
100	PIC BPSK	1	137					0.0			
100	PIC BPSK	1	271					0.0			
100	PIC BPSK	135	0					0.0			
100	PIC BPSK	135	86					0.0			
100	PIC BPSK	135	138					0.0			
100	PIC BPSK	270	0					0.0			
100	QPSK	1	1					0.0			
100	QPSK	1	137					0.0			
100	QPSK	1	271					0.0			
100	QPSK	135	0					0.0			
100	QPSK	135	86					0.0			
100	QPSK	135	138					0.0			
100	QPSK	270	0					0.0			
100	16QAM	1	1					0.0			
100	16QAM	1	1					0.0			
100	256QAM	1	1					0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1					0.0			

Part270_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mid Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	0.00	0.00	0.00			18.7
100	PIC BPSK	1	137	0.01	0.00	0.00			0.0
100	PIC BPSK	1	271	0.00	0.00	0.00			0.0
100	PIC BPSK	135	0	0.00	0.00	0.00			0.0
100	PIC BPSK	135	86	0.00	0.00	0.00			0.0
100	PIC BPSK	135	138	0.00	0.00	0.00			0.0
100	PIC BPSK	270	0	0.00	0.00	0.00			0.0
100	QPSK	1	1	0.00	0.00	0.00			0.0
100	QPSK	1	137	0.01	0.00	0.00			0.0
100	QPSK	1	271	0.00	0.00	0.00			0.0
100	QPSK	135	0	0.00	0.00	0.00			0.0
100	QPSK	135	86	0.00	0.00	0.00			0.0
100	QPSK	135	138	0.00	0.00	0.00			0.0
100	QPSK	270	0	0.00	0.00	0.00			0.0
100	16QAM	1	1	0.00	0.00	0.00			0.0
100	16QAM	1	1	0.00	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1	1	0.01	0.00	0.00			0.0
100	256QAM	1</							

Part270_n77_Ant 6											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Mid Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PIC BPSK	1	1					15.7			
100	PIC BPSK	1	137					0.0			
100	PIC BPSK	1	271					0.0			
100	PIC BPSK	135	0					0.0			
100	PIC BPSK	135	86					0.0			
100	PIC BPSK	135	138					0.0			
100	PIC BPSK	270	0					0.0			
100	QPSK	1	1					0.0			
100	QPSK	1	137					0.0			
100	QPSK	1	271					0.0			
100	QPSK	135	0					0.0			
100	QPSK	135	86					0.0			
100	QPSK	135	138					0.0			
100	QPSK	270	0					0.0			
100	16QAM	1	1					0.0			
100	16QAM	1	1					0.0			
100	256QAM	1	1					0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1					0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1					0.0			

Part270_n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Channel (dBm)	Power Mid Channel (dBm)	Power High Channel (dBm)	Turn-up time (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	13.10	13.10	14.77			
100	PIC BPSK	1	1	13.10	13.10	14.77			
100	PIC BPSK	1	137	14.00	13.39	14.80	15.7	0.0	
100	PIC BPSK	1	271	13.39	13.20	14.73			
100	PIC BPSK	135	1	13.39	13.20	14.73	15.7	0.0	
100	PIC BPSK	135	137	15.33	15.33	14.80	15.7		
100	PIC BPSK	135	270	15.33	15.33	14.80	15.7	0.0	
100	PIC BPSK	270	0	15.33	15.39	14.77			
100	PIC BPSK	1	1	15.41	15.42	14.80			
100	QPSK	1	137	15.41	15.42	14.77	15.7	0.0	
100	QPSK	1	271	15.20	15.31	14.88			
100	QPSK	135	1	15.24	15.27	14.71	15.7	0.0	
100	QPSK	135	137	15.24	15.31	14.88	15.7	0.0	
100	QPSK	135	270	15.20	15.31	14.88	15.7	0.0	
100	QPSK	135	135	15.20	15.31	14.88	15.7	0.0	
100	QPSK	270	0	15.24	15.31	14.88			
100	QPSK	1	1	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	137	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	271	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36	15.32	14.76	15.7	0.0	
100	QPSK	1	135	15.36					

Part27Q_n77_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	15.30	15.30	15.42	17.2	0.0	
100	PIC BPSK	1	137	15.29	15.31	15.43	17.2	0.0	
100	PIC BPSK	1	271	15.33	15.34	15.37	17.2	0.0	
100	PIC BPSK	135	0	15.34	15.32	15.42	17.2	0.0	
100	PIC BPSK	135	86	15.38	15.37	15.40	17.2	0.0	
100	PIC BPSK	135	138	15.39	15.38	15.39	17.2	0.0	
100	QPSK	1	1	15.35	15.35	15.37	17.2	0.0	
100	QPSK	1	137	15.30	15.32	15.47	17.2	0.0	
100	QPSK	1	271	15.36	15.35	15.46	17.2	0.0	
100	QPSK	135	0	15.37	15.37	15.44	17.2	0.0	
100	QPSK	135	86	15.38	15.38	15.41	17.2	0.0	
100	QPSK	135	138	15.39	15.39	15.41	17.2	0.0	
100	QPSK	270	0	15.36	15.31	15.37	17.2	0.0	
100	16QAM	1	1	15.37	15.36	15.41	17.2	0.0	
100	16QAM	1	137	15.33	15.31	15.47	17.2	0.0	
100	16QAM	1	271	15.35	15.36	15.46	17.2	0.0	
100	16QAM	135	0	15.38	15.37	15.44	17.2	0.0	
100	16QAM	135	86	15.39	15.38	15.41	17.2	0.0	
100	16QAM	135	138	15.39	15.39	15.41	17.2	0.0	
100	16QAM	270	0	15.37	15.36	15.41	17.2	0.0	
100	256QAM	1	1	15.37	15.36	15.41	17.2	0.0	
100	256QAM	1	137	15.33	15.36	15.46	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.26	15.26	15.26	17.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.31	15.31	15.34	17.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.26	15.26	15.28	17.2	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.31	15.35	15.37	17.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.37	15.37	15.38	17.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.31	15.36	15.38	17.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.29	15.35	15.33	17.2	0.0	

Part27Q_n77_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1	15.31	15.33	15.42	17.2	0.0	
100	PIC BPSK	1	137	15.31	15.33	15.43	17.2	0.0	
100	PIC BPSK	1	271	15.34	15.37	15.44	17.2	0.0	
100	PIC BPSK	135	0	15.32	15.36	15.42	17.2	0.0	
100	PIC BPSK	135	86	15.37	15.35	15.42	17.2	0.0	
100	PIC BPSK	135	138	15.38	15.38	15.44	17.2	0.0	
100	PIC BPSK	270	0	15.36	15.31	15.37	17.2	0.0	
100	QPSK	1	1	15.37	15.37	15.39	17.2	0.0	
100	QPSK	1	137	15.33	15.31	15.47	17.2	0.0	
100	QPSK	1	271	15.35	15.35	15.48	17.2	0.0	
100	QPSK	135	0	15.38	15.37	15.44	17.2	0.0	
100	QPSK	135	86	15.39	15.38	15.41	17.2	0.0	
100	QPSK	135	138	15.39	15.39	15.41	17.2	0.0	
100	QPSK	270	0	15.37	15.36	15.41	17.2	0.0	
100	64QAM	1	1	15.37	15.36	15.38	17.2	0.0	
100	256QAM	1	1	15.37	15.36	15.38	17.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.26	15.26	15.27	17.2	0.0	MPR
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.31	15.31	15.34	17.2	0.0	MPR
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.26	15.26	15.28	17.2	0.0	MPR
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.31	15.35	15.37	17.2	0.0	MPR
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.37	15.37	15.38	17.2	0.0	MPR
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.31	15.36	15.38	17.2	0.0	MPR
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.29	15.35	15.33	17.2	0.0	MPR
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.29	15.35	15.33	17.2	0.0	MPR

Part27Q_n78_Ant 7											
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Min. Ch. / Freq.	Power Max. Ch. / Freq.	Time-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	PIC BPSK	1	1	15.49	15.49	15.50	17.2	0.0			
100	PIC BPSK	1	137	15.49	15.49	15.50	17.2	0.0			
100	PIC BPSK	1	271	15.52	15.52	15.53	17.2	0.0			
100	PIC BPSK	135	0	15.49	15.49	15.50	17.2	0.0			
100	PIC BPSK	135	86	15.54	15.54	15.55	17.2	0.0			
100	PIC BPSK	135	138	15.58	15.58	15.59	17.2	0.0			
100	PIC BPSK	270	0	15.49	15.49	15.50	17.2	0.0			
100	QPSK	1	1	15.51	15.51	15.52	17.2	0.0			
100	QPSK	1	137	15.50	15.50	15.51	17.2	0.0			
100	QPSK	1	271	15.53	15.53	15.54	17.2	0.0			
100	QPSK	135	0	15.54	15.54	15.55	17.2	0.0			
100	QPSK	135	86	15.58	15.58	15.59	17.2	0.0			
100	QPSK	135	138	15.62	15.62	15.63	17.2	0.0			
100	QPSK	270	0	15.51	15.51	15.52	17.2	0.0			
100	16QAM	1	1	15.51	15.51	15.52	17.2	0.0			
100	16QAM	1	137	15.50	15.50	15.51	17.2	0.0			
100	16QAM	1	271	15.53	15.53	15.54	17.2	0.0			
100	16QAM	135	0	15.54	15.54	15.55	17.2	0.0			
100	16QAM	135	86	15.58	15.58	15.59	17.2	0.0			
100	16QAM	135	138	15.62	15.62	15.63	17.2	0.0			
100	16QAM	270	0	15.51	15.51	15.52	17.2	0.0			
100	256QAM	1	1	15.51	15.51	15.52	17.2	0.0			
100	256QAM	1	137								

Part27Q_n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dB)
Channel							
Frequency [MHz]							
100	PI2 BPSK	1	1	15.40			
100	PI2 BPSK	1	137	15.58			17.2 0.0
100	PI2 BPSK	1	271	15.52			
100	PI2 BPSK	135	0	15.60			17.2 0.0
100	PI2 BPSK	135	86	15.57			17.2 0.0
100	PI2 BPSK	135	138	15.62			17.2 0.0
100	PI2 BPSK	270	0	15.62			17.2 0.0
100	QPSK	1	1	15.53			
100	QPSK	1	137	15.53			17.2 0.0
100	QPSK	1	271	15.53			
100	QPSK	135	0	15.50			17.2 0.0
100	QPSK	135	86	15.58			17.2 0.0
100	QPSK	135	138	15.48			17.2 0.0
100	QPSK	270	0	15.57			17.2 0.0
100	16QAM	1	1	15.48			17.2 0.0
100	16QAM	1	1	15.50			17.2 0.0
100	256QAM	1	1	15.50			17.2 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	15.58			17.2 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	15.62			17.2 0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	15.58			17.2 0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	15.49			17.2 0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	15.58			17.2 0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	15.51			17.2 0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	15.59			17.2 0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	15.48			17.2 0.0

Part27Q_n78(HPUE)_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dB)
Channel							
Frequency [MHz]							
100	PI2 BPSK	1	1	15.40			
100	PI2 BPSK	1	137	15.58			17.2 0.0
100	PI2 BPSK	1	271	15.52			
100	PI2 BPSK	135	0	15.60			17.2 0.0
100	PI2 BPSK	135	86	15.57			17.2 0.0
100	PI2 BPSK	135	138	15.62			17.2 0.0
100	PI2 BPSK	270	0	15.62			17.2 0.0
100	QPSK	1	1	15.53			
100	QPSK	1	137	15.53			17.2 0.0
100	QPSK	1	271	15.53			
100	QPSK	135	0	15.50			17.2 0.0
100	QPSK	135	86	15.58			17.2 0.0
100	QPSK	135	138	15.48			17.2 0.0
100	QPSK	270	0	15.57			17.2 0.0
100	16QAM	1	1	15.48			17.2 0.0
100	16QAM	1	1	15.50			17.2 0.0
100	256QAM	1	1	15.50			17.2 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	15.58			17.2 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	15.62			17.2 0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	15.58			17.2 0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	15.49			17.2 0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	15.58			17.2 0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	15.51			17.2 0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	15.59			17.2 0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	15.48			17.2 0.0

Part27Q_n78_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dB)
Channel							
Frequency [MHz]							
100	PI2 BPSK	1	1	16.08			18.7 0.0
100	PI2 BPSK	1	137	16.07			18.7 0.0
100	PI2 BPSK	1	271	16.04			18.7 0.0
100	PI2 BPSK	135	0	17.04			18.7 0.0
100	PI2 BPSK	135	86	17.03			18.7 0.0
100	PI2 BPSK	135	138	16.93			18.7 0.0
100	PI2 BPSK	270	0	16.92			18.7 0.0
100	QPSK	1	1	17.07			18.7 0.0
100	QPSK	1	137	17.05			18.7 0.0
100	QPSK	1	271	17.04			18.7 0.0
100	QPSK	135	0	16.99			18.7 0.0
100	QPSK	135	86	17.03			18.7 0.0
100	QPSK	135	138	16.92			18.7 0.0
100	QPSK	270	0	16.99			18.7 0.0
100	16QAM	1	1	17.03			18.7 0.0
100	16QAM	1	1	17.05			18.7 0.0
100	256QAM	1	1	16.92			18.7 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	16.97			18.7 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	17.04			18.7 0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	17.01			18.7 0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	17.02			18.7 0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	16.99			18.7 0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	16.98			18.7 0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	16.99			18.7 0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	16.98			18.7 0.0

Part27Q_n78(HPUE)_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Minus Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dB)
Channel							
Frequency [MHz]							
100	PI2 BPSK	1	1	16.08			18.7 0.0
100	PI2 BPSK	1	137	16.07			18.7 0.0
100	PI2 BPSK	1	271	16.04			18.7 0.0
100	PI2 BPSK	135	0	17.04			18.7 0.0
100	PI2 BPSK	135	86	17.03			18.7 0.0
100	PI2 BPSK	135	138	16.93			18.7 0.0
100	QPSK	1	1	17.07			18.7 0.0
100	QPSK	1	137	17.05			18.7 0.0
100	QPSK	1	271	17.04			18.7 0.0
100	QPSK	135	0	16.99			18.7 0.0
100	QPSK	135	86	17.03			18.7 0.0
100	QPSK	135	138	16.92			18.7 0.0
100	QPSK	270	0	16.99			18.7 0.0
100	16QAM	1	1	17.03			18.7 0.0
100	16QAM	1	1	17.05			18.7 0.0
100	256QAM	1	1	16.92			18.7 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	16.97	17.04	17.06	18.7 0.0
Channel							
Frequency [MHz]							
80	QPSK	1	1	17.04	16.97	16.95	18.7 0.0
Channel							
Frequency [MHz]							
70	QPSK	1	1	17.01	17.08	17.04	18.7 0.0
Channel							
Frequency [MHz]							
60	QPSK	1	1	17.02	17.02	16.93	18.7 0.0
Channel							
Frequency [MHz]							
50	QPSK	1	1	16.99	16.92	17.00	18.7 0.0
Channel							
Frequency [MHz]							
40	QPSK	1	1	16.98	16.97	17.03	18.7 0.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	16.99	16.99	17.01	18.7 0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	16.99	17.00	17.02	18.7 0.0

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Mid Ch. (Frac)	Power High Ch. (Frac)	Time-up limit (dBm)		
Channel									
Frequency (MHz)									
100	PIC BPSK	1	1		17.07		18.7	0.0	
100	PIC BPSK	1	137		17.03				
100	PIC BPSK	1	271		17.05				
100	PIC BPSK	135	0		17.10		18.7	0.0	
100	PIC BPSK	135	66		17.06		18.7	0.0	
100	PIC BPSK	135	138		17.07		18.7	0.0	
100	PIC BPSK	270	0		17.08				
100	QPSK	1	1		17.14				
100	QPSK	1	137		17.13		18.7	0.0	
100	QPSK	1	271		17.09				
100	QPSK	135	0		16.99		18.7	0.0	
100	QPSK	135	66		17.13		18.7	0.0	
100	QPSK	135	138		17.03		18.7	0.0	
100	QPSK	270	0		17.07				
100	16QAM	1	1		17.02		18.7	0.0	
100	16QAM	1	137		17.12		18.7	0.0	
100	256QAM	1	1		17.08		18.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1		16.9998	0.00000000	18.6998	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		16.9934	0.00000000	18.6934	MPN	
Channel									
80	QPSK	1	1		17.0066	0.00000000	18.7066	MPN	
Channel									
80	QPSK	1	1		17.08	0.00000000	18.68	MPN	
Channel									
80	QPSK	1	1		16.9998	0.00000000	18.6998	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.08	0.00000000	18.68	MPN	
Channel									
80	QPSK	1	1		16.9934	0.00000000	18.6934	MPN	
Channel									
80	QPSK	1	1		17.0066	0.00000000	18.7066	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1		17.0002	0.00000000	18.7002	MPN	
Channel									
80	QPSK	1	1						

[illegible]

Part27Q_n78_Ant 10								
Exp. [MHz]	Mitigation	RB Size	RB Offset	Power Ch. [Power]	Power Ch. [Base]	Power Ch. [Frac]	Time-up time [dBm]	MPK [dB]
Channel								
Frequency [MHz]				15498.18				
100	PCJ BPSK	1	1	15.42	15.42			
100	PCJ BPSK	1	139	15.41	15.41	16.2	0.0	
100	PCJ BPSK	1	271	15.41	15.41			
100	QPSK	135	136	15.40	15.40	16.2	0.0	
100	QPSK	135	60	15.39	15.39	16.2	0.0	
100	QPSK	135	60	15.38	15.38	16.2	0.0	
100	QPSK	135	136	15.40	15.40	16.2	0.0	
100	QPSK	270	270	15.39	15.39	16.2	0.0	
100	QPSK	1	1	15.41	15.41			
100	QPSK	1	137	15.40	15.40	16.2	0.0	
100	QPSK	1	271	15.39	15.39			
100	QPSK	135	0	15.38	15.38	16.2	0.0	
100	QPSK	135	60	15.37	15.37	16.2	0.0	
100	QPSK	135	136	15.39	15.39	16.2	0.0	
100	QPSK	270	0	15.38	15.38	16.2	0.0	
100	QPSK	270	0	15.37	15.37	16.2	0.0	
100	QPSK	270	0	15.36	15.36	16.2	0.0	
100	QPSK	270	0	15.35	15.35	16.2	0.0	
100	QPSK	270	0	15.34	15.34	16.2	0.0	
100	QPSK	270	0	15.33	15.33	16.2	0.0	
100	QPSK	270	0	15.32	15.32	16.2	0.0	
100	QPSK	270	0	15.31	15.31	16.2	0.0	
100	QPSK	270	0	15.30	15.30	16.2	0.0	
100	QPSK	270	0	15.29	15.29	16.2	0.0	
100	QPSK	270	0	15.28	15.28	16.2	0.0	
100	QPSK	270	0	15.27	15.27	16.2	0.0	
100	QPSK	270	0	15.26	15.26	16.2	0.0	
100	QPSK	270	0	15.25	15.25	16.2	0.0	
100	QPSK	270	0	15.24	15.24	16.2	0.0	
100	QPSK	270	0	15.23	15.23	16.2	0.0	
100	QPSK	270	0	15.22	15.22	16.2	0.0	
100	QPSK	270	0	15.21	15.21	16.2	0.0	
100	QPSK	270	0	15.20	15.20	16.2	0.0	
100	QPSK	270	0	15.19	15.19	16.2	0.0	
100	QPSK	270	0	15.18	15.18	16.2	0.0	
100	QPSK	270	0	15.17	15.17	16.2	0.0	
100	QPSK	270	0	15.16	15.16	16.2	0.0	
100	QPSK	270	0	15.15	15.15	16.2	0.0	
100	QPSK	270	0	15.14	15.14	16.2	0.0	
100	QPSK	270	0	15.13	15.13	16.2	0.0	
100	QPSK	270	0	15.12	15.12	16.2	0.0	
100	QPSK	270	0	15.11	15.11	16.2	0.0	
100	QPSK	270	0	15.10	15.10	16.2	0.0	
100	QPSK	270	0	15.09	15.09	16.2	0.0	
100	QPSK	270	0	15.08	15.08	16.2	0.0	
100	QPSK	270	0	15.07	15.07	16.2	0.0	
100	QPSK	270	0	15.06	15.06	16.2	0.0	
100	QPSK	270	0	15.05	15.05	16.2	0.0	
100	QPSK	270	0	15.04	15.04	16.2	0.0	
100	QPSK	270	0	15.03	15.03	16.2	0.0	
100	QPSK	270	0	15.02	15.02	16.2	0.0	
100	QPSK	270	0	15.01	15.01	16.2	0.0	
100	QPSK	270	0	15.00	15.00	16.2	0.0	
100	QPSK	270	0	14.99	14.99	16.2	0.0	
100	QPSK	270	0	14.98	14.98	16.2	0.0	
100	QPSK	270	0	14.97	14.97	16.2	0.0	
100	QPSK	270	0	14.96	14.96	16.2	0.0	
100	QPSK	270	0	14.95	14.95	16.2	0.0	
100	QPSK	270	0	14.94	14.94	16.2	0.0	
100	QPSK	270	0	14.93	14.93	16.2	0.0	
100	QPSK	270	0	14.92	14.92	16.2	0.0	
100	QPSK	270	0	14.91	14.91	16.2	0.0	
100	QPSK	270	0	14.90	14.90	16.2	0.0	
100	QPSK	270	0	14.89	14.89	16.2	0.0	
100	QPSK	270	0	14.88	14.88	16.2	0.0	
100	QPSK	270	0	14.87	14.87	16.2	0.0	
100	QPSK	270	0	14.86	14.86	16.2	0.0	
100	QPSK	270	0	14.85	14.85	16.2	0.0	
100	QPSK	270	0	14.84	14.84	16.2	0.0	
100	QPSK	270	0	14.83	14.83	16.2	0.0	
100	QPSK	270	0	14.82	14.82	16.2	0.0	
100	QPSK	270	0	14.81	14.81	16.2	0.0	
100	QPSK	270	0	14.80	14.80	16.2	0.0	
100	QPSK	270	0	14.79	14.79	16.2	0.0	
100	QPSK	270	0	14.78	14.78	16.2	0.0	
100	QPSK	270	0	14.77	14.77	16.2	0.0	
100	QPSK	270	0	14.76	14.76	16.2	0.0	
100	QPSK	270	0	14.75	14.75	16.2	0.0	
100	QPSK	270	0	14.74	14.74	16.2	0.0	
100	QPSK	270	0	14.73	14.73	16.2	0.0	
100	QPSK	270	0	14.72	14.72	16.2	0.0	
100	QPSK	270	0	14.71	14.71	16.2	0.0	
100	QPSK	270	0	14.70	14.70	16.2	0.0	
100	QPSK	270	0	14.69	14.69	16.2	0.0	
100	QPSK	270	0	14.68	14.68	16.2	0.0	
100	QPSK	270	0	14.67	14.67	16.2	0.0	
100	QPSK	270	0	14.66	14.66	16.2	0.0	
100	QPSK	270	0	14.65	14.65	16.2	0.0	
100	QPSK	270	0	14.64	14.64	16.2	0.0	
100	QPSK	270	0	14.63	14.63	16.2	0.0	
100	QPSK	270	0	14.62	14.62	16.2	0.0	
100	QPSK	270	0	14.61	14.61	16.2	0.0	
100	QPSK	270	0	14.60	14.60	16.2	0.0	
100	QPSK	270	0	14.59	14.59	16.2	0.0	
100	QPSK	270	0	14.58	14.58	16.2	0.0	
100	QPSK	270	0	14.57	14.57	16.2	0.0	
100	QPSK	270	0	14.56	14.56	16.2	0.0	
100	QPSK	270	0	14.55	14.55	16.2	0.0	
100	QPSK	270	0	14.54	14.54	16.2	0.0	
100	QPSK	270	0	14.53	14.53	16.2	0.0	
100	QPSK	270	0	14.52	14.52	16.2	0.0	
100	QPSK	270	0	14.51	14.51	16.2	0.0	
100	QPSK	270	0	14.50	14.50	16.2	0.0	
100	QPSK	270	0	14.49	14.49	16.2	0.0	
100	QPSK	270	0	14.48	14.48	16.2	0.0	
100	QPSK	270	0	14.47	14.47	16.2	0.0	
100	QPSK	270	0	14.46	14.46	16.2	0.0	
100	QPSK	270	0	14.45	14.45	16.2	0.0	
100	QPSK	270	0	14.44	14.44	16.2	0.0	
100	QPSK	270	0	14.43	14.43	16.2	0.0	
100	QPSK	270	0	14.42	14.42	16.2	0.0	
100	QPSK	270	0	14.41	14.41	16.2	0.0	
100	QPSK	270	0	14.40	14.40	16.2	0.0	
100	QPSK	270	0	14.39	14.39	16.2	0.0	
100	QPSK	270	0	14.38	14.38	16.2	0.0	
100	QPSK	270	0	14.37	14.37	16.2	0.0	
100	QPSK	270	0	14.36	14.36	16.2	0.0	
100	QPSK	270	0	14.35	14.35	16.2	0.0	
100	QPSK	270	0	14.34	14.34	16.2	0.0	
100	QPSK	270	0	14.33	14.33	16.2	0.0	
100	QPSK	270	0	14.32	14.32	16.2	0.0	
100	QPSK	270	0	14.31	14.31	16.2	0.0	
100	QPSK	270	0	14.30	14.30	16.2	0.0	
100	QPSK	270	0	14.29	14.29	16.2	0.0	
100	QPSK	270	0	14.28	14.28	16.2	0.0	
100	QPSK	270	0	14.27	14.27	16.2	0.0	
100	QPSK	270	0	14.26	14.26	16.2	0.0	
100	QPSK	270	0	14.25	14.25	16.2	0.0	
100	QPSK	270	0	14.24	14.24	16.2	0.0	
100	QPSK	270	0	14.23	14.23	16.2	0.0	
100	QPSK	270	0	14.22	14.22	16.2	0.0	
100	QPSK	270	0	14.21	14.21	16.2	0.0	
100	QPSK	270	0	14.20	14.20	16.2	0.0	
100	QPSK	270	0	14.19	14.19	16.2	0.0	
100	QPSK	270	0	14.18	14.18	16.2	0.0	
100	QPSK	270	0	14.17	14.17	16.2	0.0	
100	QPSK	270	0	14.16	14.16	16.2	0.0	
100	QPSK	270	0	14.15	14.15	16.2	0.0	
100	QPSK	270	0	14.14	14.14	16.2	0.0	
100	QPSK	270	0	14.13	14.13	16.2	0.0	
100	QPSK	270	0	14.12	14.12	16.2	0.0	
100	QPSK	270	0	14.11	14.11	16.2	0.0	
100	QPSK	270	0	14.10	14.10	16.2	0.0	
100	QPSK	270	0	14.09	14.09	16.2	0.0	
100	QPSK	270	0	14.08	14.08	16.2	0.0	
100	QPSK	270	0	14.07	14.07	16.2	0.0	
100	QPSK	270	0	14.06	14.06	16.2	0.0	
100	QPSK	270	0	14.05	14.05	16.2	0.0	
100	QPSK	270	0	14.04	14.04	16.2	0.0	
100	QPSK	270	0	14.03	14.03	16.2	0.0	
100	QPSK	270	0	14.02	14.02	16.2	0.0	
100	QPSK	270	0	14.01	14.01	16.2	0.0	
100	QPSK	270	0	14.00	14.00	16.2	0.0	
100	QPSK	270	0	13.99	13.99	16.2	0.0	
100	QPSK	270	0	13.98	13.98	16.2	0.0	
100	QPSK	270	0	13.97	13.97	16.2	0.0	
100	QPSK	270	0	13.96	13.96	16.2	0.0	
100	QPSK	270	0	13.95	13.95	16.2	0.0	
100	QPSK	270	0	13.94	13.94	16.2	0.0	
100	QPSK	270	0	13.93	13.93	16.2	0.0	
100	QPSK	270	0	13.92	13.92	16.2	0.0	
100	QPSK	270	0	13.91	13.91	16.2	0.0	
100	QPSK	270	0	13.90	13.90	16.2	0.0	
100	QPSK	270						

Part27Q_n78(HPUe)_Ant 10								
Ext (MHz)	Modulation	RIS Size	RIS Config	Power Level (dBm)	Power Margin (dB)	Power Loss (dB)	Time up time (s/iter)	APD (dB)
Channel								
Frequency (MHz)				154.88				
100	PSK BPSK	1	137	15.42		16.2	0.0	
100	PSK BPSK	1	137	15.42		16.2	0.0	
100	PSK BPSK	1	271	15.41		16.2	0.0	
100	PSK BPSK	1	137	15.42		16.2	0.0	
100	PSK BPSK	1	137	15.42		16.2	0.0	
100	PSK BPSK	1	138	15.42		16.2	0.0	
100	PSK BPSK	1	270	15.42		16.2	0.0	
100	QPSK	1	1	15.42		16.2	0.0	
100	QPSK	1	137	15.42		16.2	0.0	
100	QPSK	1	271	15.41		16.2	0.0	
100	QPSK	1	138	15.39		16.2	0.0	
100	QPSK	1	137	15.42		16.2	0.0	
100	QPSK	1	138	15.39		16.2	0.0	
100	QPSK	1	270	15.42		16.2	0.0	
100	QPSK	1	270	15.42		16.2	0.0	
100	QPSK	1	1	15.39		16.2	0.0	
100	QPSK	1	1	15.39		16.2	0.0	
Channel								
Frequency (MHz)				83300	83302	83366		16.9
90	QPSK	1	1	15.35	15.37	15.36	16.2	0.0
Channel								
Frequency (MHz)				83608	83610	83680		16.9
90	QPSK	1	1	15.35	15.37	15.36	16.2	0.0
Channel								
Frequency (MHz)				83724	83726	83794		16.9
80	QPSK	1	1	15.29	15.32	15.34	16.2	0.0
Channel								
Frequency (MHz)				83734	83736	83802		16.9
80	QPSK	1	1	15.29	15.32	15.34	16.2	0.0
Channel								
Frequency (MHz)				15.40	15.39	15.32	16.2	0.0
70	QPSK	1	1	15.40	15.39	15.32	16.2	0.0
Channel								
Frequency (MHz)				83802	83804	83868		16.9
80	QPSK	1	1	15.38	15.40	15.39	16.2	0.0
Channel								
Frequency (MHz)				83810	83812	83878		16.9
80	QPSK	1	1	15.38	15.40	15.39	16.2	0.0
Channel								
Frequency (MHz)				83812	83814	83878		16.9
50	QPSK	1	1	15.39	15.32	15.41	16.2	0.0
Channel								
Frequency (MHz)				83814	83816	83878		16.9
40	QPSK	1	1	15.31	15.30	15.31	16.2	0.0
Channel								
Frequency (MHz)				83816	83818	83878		16.9
30	QPSK	1	1	15.30	15.32	15.31	16.2	0.0
Channel								
Frequency (MHz)				83818	83820	83878		16.9
20	QPSK	1	1	15.33	15.32	15.29	16.2	0.0

Part27O_n78_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq dBm/000	Power Mid Ch / Freq dBm/000	Power High Ch / Freq dBm/000	Time-up test (dBm)
Channel							
Frequency (MHz)							
100	PI-C BPSK	1	1	14.90			
100	PI-C BPSK	1	137	15.03			16.2 0.0
100	PI-C BPSK	1	271	14.90			
100	PI-C BPSK	135	0	14.97			16.2 0.0
100	PI-C BPSK	135	86	14.96			16.2 0.0
100	PI-C BPSK	135	158	15.04			16.2 0.0
100	PI-C BPSK	270	0	14.97			16.2 0.0
100	QPSK	1	1	15.11			
100	QPSK	1	137	15.08			16.2 0.0
100	QPSK	1	271	15.02			
100	QPSK	135	0	15.00			16.2 0.0
100	QPSK	135	86	15.08			16.2 0.0
100	QPSK	135	158	14.94			16.2 0.0
100	QPSK	270	0	15.03			16.2 0.0
100	SSB-AM	1	1	14.97			16.2 0.0
100	SSB-AM	1	1	14.90			16.2 0.0
100	ZSSB-AM	1	1	15.00			16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	14.97	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	14.96	15.00	15.07	16.2 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	14.97	14.98	15.00	16.2 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.00	15.00	15.00	16.2 0.0

Part27O_n78(HPUE)_Ant 10							
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq dBm/000	Power Mid Ch / Freq dBm/000	Power High Ch / Freq dBm/000	Time-up test (dBm)
Channel							
Frequency (MHz)							
100	PI-C BPSK	1	1	14.90			16.2 0.0
100	PI-C BPSK	1	137	15.03			
100	PI-C BPSK	1	271	14.90			
100	PI-C BPSK	135	0	14.97			16.2 0.0
100	PI-C BPSK	135	86	14.96			16.2 0.0
100	PI-C BPSK	135	158	15.04			16.2 0.0
100	PI-C BPSK	270	0	14.97			16.2 0.0
100	QPSK	1	1	15.11			
100	QPSK	1	137	15.08			16.2 0.0
100	QPSK	1	271	15.02			
100	QPSK	135	0	15.00			16.2 0.0
100	QPSK	135	86	15.08			16.2 0.0
100	QPSK	135	158	14.94			16.2 0.0
100	QPSK	270	0	15.03			16.2 0.0
100	SSB-AM	1	1	14.97			16.2 0.0
100	SSB-AM	1	1	14.90			16.2 0.0
100	ZSSB-AM	1	1	15.00			16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	14.97	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	14.96	15.00	15.07	16.2 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	14.97	14.98	15.00	16.2 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.00	15.00	15.00	16.2 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.00	15.00	15.00	16.2 0.0

Reduced Power Mode for EC115

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mode Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
20	PUS-BPSK	1	1	22.20	22.20	22.20		23.8	0.0
20	PUS-BPSK	1	53	22.23	22.27	22.28			
20	PUS-BPSK	1	104	22.16	22.20	22.21		23.0	0.5
20	PUS-BPSK	50	5	21.78	21.81	21.79			
20	PUS-BPSK	50	28	22.24	22.29	22.20		23.5	0.5
20	PUS-BPSK	100	9	21.62	21.75	21.62			
20	PUS-BPSK	100	9	21.78	21.79	21.78		23.8	0.0
20	QPSK	1	1	22.27	22.28	22.27			
20	QPSK	1	53	22.27	22.32	22.31		22.8	1.0
20	QPSK	50	5	21.10	21.27	21.10			
20	QPSK	50	28	21.10	22.27	22.21		22.8	1.0
20	QPSK	100	9	21.16	21.27	21.22			
20	QPSK	100	9	21.26	21.26	21.23		22.8	1.0
20	16QAM	1	1	18.64	18.72	18.63			
20	256QAM	1	1	18.10	18.25	18.11		18.9	4.5
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.30	22.29	22.20		23.8	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.91	22.28	22.22		22.4	0.0
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.20	22.27	22.26		23.8	0.0

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mode Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
20	PUS-BPSK	1	1	18.67	18.68	18.67		17.8	0.0
20	PUS-BPSK	1	53	18.67	18.78	18.61			
20	PUS-BPSK	1	104	18.64	18.69	18.63		17.9	0.0
20	PUS-BPSK	50	5	18.70	18.79	18.58			
20	PUS-BPSK	50	28	18.68	18.71	18.58		17.9	0.0
20	PUS-BPSK	100	9	18.63	18.74	18.50			
20	PUS-BPSK	100	9	18.78	18.74	18.53		17.8	0.0
20	QPSK	1	1	18.73	18.82	18.67			
20	QPSK	1	53	18.65	18.69	18.57		17.8	0.0
20	QPSK	1	104	18.72	18.68	18.58			
20	QPSK	50	5	18.62	18.75	18.46		17.8	0.0
20	QPSK	50	28	18.71	18.81	18.57			
20	QPSK	100	9	18.66	18.69	18.47		17.8	0.0
20	QPSK	100	9	18.70	18.76	18.53			
20	16QAM	1	1	16.75	16.76	16.55		17.8	0.0
20	256QAM	1	1	16.77	16.76	16.56			
Channel									
Frequency [MHz]									
15	QPSK	1	1	18.73	18.77	18.60		17.8	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	18.74	18.78	18.50		17.8	0.0
Channel									
Frequency [MHz]									
5	QPSK	1	1	18.72	18.80	18.61		17.8	0.0

n2_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mode Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
20	PUS-BPSK	1	1	17.26	17.51	17.49		18.8	0.0
20	PUS-BPSK	1	53	17.40	17.54	17.49			
20	PUS-BPSK	1	104	17.40	17.51	17.40		18.8	0.0
20	PUS-BPSK	50	5	17.47	17.50	17.40			
20	PUS-BPSK	50	28	17.51	17.58	17.40		18.8	0.0
20	PUS-BPSK	100	9	17.28	17.50	17.50			
20	PUS-BPSK	100	9	17.47	17.49	17.38		18.8	0.0
20	QPSK	1	1	17.53	17.60	17.51			
20	QPSK	1	53	17.51	17.48	17.40		18.8	0.0
20	QPSK	1	104	17.53	17.48	17.48			
20	QPSK	50	5	17.24	17.53	17.49		18.8	0.0
20	QPSK	50	28	17.49	17.54	17.49			
20	QPSK	100	9	17.44	17.51	17.43		18.8	0.0
20	QPSK	100	9	17.47	17.48	17.44			
20	16QAM	1	1	17.44	17.48	17.38		18.8	0.0
20	256QAM	1	1	17.40	17.52	17.49			
Channel				16.33	16.47	16.34	17.2	17.5	0.0
Frequency [MHz]									
15	QPSK	1	1	17.46	17.45	17.42		18.8	0.0
Channel				17.46	17.45	17.42		18.8	0.0
Frequency [MHz]									
10	QPSK	1	1	17.47	17.53	17.41		18.8	0.0
Channel				17.47	17.53	17.41		18.8	0.0
Frequency [MHz]									
5	QPSK	1	1	17.28	17.50	17.40		18.8	0.0

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Mode Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Turn-on time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
20	PUS-BPSK	1	1	20.13	20.44	20.44		21.5	0.0
20	PUS-BPSK	1	53	20.39	20.43	20.33			
20	PUS-BPSK	1	104	20.30	20.33	20.34		21.5	0.0
20	PUS-BPSK	50	5	20.38	20.40	20.34			
20	PUS-BPSK	50	28	20.32	20.44	20.34		21.5	0.0
20	PUS-BPSK	100	9	20.41	20.40	20.25			
20	PUS-BPSK	100	9	20.33	20.41	20.38		21.5	0.0
20	QPSK	1	1	20.37	20.34	20.40			
20	QPSK	1	53	20.38	20.39	20.42		21.5	0.0
20	QPSK	1	104	20.32	20.41	20.32			
20	QPSK	50	5	20.37	20.40	20.31		21.5	0.0
20	QPSK	50	28	20.39	20.52	20.40			
20	QPSK	100	9	20.38	20.45	20.33		21.5	0.0
20	QPSK	100	9	20.38	20.51	20.32			
20	16QAM	1	1	20.43	20.48	20.39		21.5	0.0
20	256QAM	1	1	20.46	20.52	20.38			
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.83	19.89	19.79	20.5	1.5	0.0
15	QPSK	1	1	19.83	19.92	19.83	20.5	1.5	0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.5	0.0
10	QPSK	1	1	19.84	19.76	19.76	20.38	1.	

n7_Ant 5								
SV [MHz]	Moderation	RB Size	RB Offset	Power Line Ch. Freq.	Power Main Ch. Freq.	Power Line Ch. Freq.	Turn-up time (μs)	dBm (dB)
	Channel			17.76	17.76	17.76		
	Frequency (MHz)			23.26				
40	QPSK	1	108	17.76	17.82	17.82	10.0	0.0
40	QPSK	1	214	17.80	17.81	17.81	10.0	0.0
40	QPSK	1	320	17.83	17.80	17.73	10.0	0.0
40	QPSK	108	34	17.81	17.82	17.73	10.0	0.0
40	QPSK	108	140	17.82	17.81	17.76	10.0	0.0
40	QPSK	214	0	17.84	17.83	17.73	10.0	0.0
40	QPSK	1	12	17.72	17.72	17.60		
40	QPSK	1	108	17.78	17.78	17.73	10.0	0.0
40	QPSK	1	214	17.72	17.78	17.73		
40	QPSK	108	0	17.74	17.74	17.73	10.0	0.0
40	QPSK	108	56	17.74	17.74	17.73	10.0	0.0
40	QPSK	108	108	17.72	17.78	17.68	10.0	0.0
40	QPSK	214	0	17.72	17.78	17.68	10.0	0.0
40	16QAM	1	1	17.79	17.80	17.87	10.0	0.0
40	16QAM	1	1	17.81	17.82	17.78	10.0	0.0
40	16QAM	1	1	17.83	17.80	17.75	10.0	0.0
40	25QAM	1	1	17.85	17.80	17.75	10.0	0.0
	Frequency (MHz)			50.760	50.760	51.100		MPH
30	QPSK	1	1	17.76	17.84	17.68	10.0	0.0
	Channel			50.760	50.760	51.100		MPH
30	Frequency (MHz)			26.53	26.53	26.53		MPH
25	QPSK	1	1	17.81	17.80	17.74	10.0	0.0
	Channel			50.760	50.760	51.100		MPH
20	Frequency (MHz)			26.53	26.53	26.60		MPH
20	QPSK	1	1	17.74	17.79	17.71	10.0	0.0
	Channel			50.760	50.760	51.100		MPH
10	QPSK	1	1	17.72	17.74	17.74	10.0	0.0
	Frequency (MHz)			23.26	23.26	23.26		MPH
10	QPSK	1	1	17.72	17.74	17.74	10.0	0.0
	Channel			50.760	50.760	51.100		MPH
10	QPSK	1	1	17.83	17.83	17.69	10.0	0.0
	Frequency (MHz)			50.760	50.760	51.100		MPH
5	QPSK	1	1	17.86	17.80	17.69	10.0	0.0

n12_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PUS-BPSK	1	1	22.87	22.53	22.81			
15	PUS-BPSK	1	40	22.87	22.82	22.81	23.8	0.0	
15	PUS-BPSK	1	77	22.72	22.88	22.79			
15	PUS-BPSK	36	8	22.45	22.45	22.42	23.3	0.5	
15	PUS-BPSK	36	22	22.85	22.95	22.82	23.8	0.0	
15	PUS-BPSK	36	43	22.75	22.45	22.77			
15	PUS-BPSK	75	8	22.42	22.46	22.38	23.3	0.5	
15	QPSK	1	1	22.95	22.98	22.95			
15	QPSK	1	40	22.95	22.94	22.85	23.8	0.0	
15	QPSK	1	77	22.85	22.88	22.78			
15	QPSK	36	8	21.92	21.93	21.85	22.8	1.0	
15	QPSK	36	22	22.95	22.97	22.91	23.8	0.0	
15	QPSK	36	43	21.95	21.91	21.82	22.8	1.0	
15	QPSK	75	8	21.85	21.95	21.88	22.8	1.0	
15	16QAM	1	1	21.85	21.89	21.88	22.8	1.0	
15	16QAM	1	1	20.15	20.25	20.11	21.3	2.5	
256QAM	1	1	1	18.75	18.81	18.76	19.3	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.88	22.90	22.88	23.8	0.0	
5	QPSK	1	1	22.85	22.91	22.91	23.8	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq. [dBm]	Power Main Ch./Freq. [dBm]	Power High Ch./Freq. [dBm]	Power-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PUS-BPSK	1	1	22.28	22.31	22.18			
15	PUS-BPSK	1	40	22.13	22.23	22.14	22.8	0.0	
15	PUS-BPSK	1	77	22.08	22.15	22.07			
15	PUS-BPSK	36	8	21.88	21.78	21.85	22.3	0.5	
15	PUS-BPSK	36	22	22.20	22.26	22.20	22.9	0.0	
15	PUS-BPSK	36	43	21.71	21.74	21.65	22.3	0.5	
15	PUS-BPSK	75	8	21.62	21.77	21.73	22.3	0.5	
15	QPSK	1	1	22.15	22.23	22.07			
15	QPSK	1	40	22.17	22.24	22.12	22.8	0.0	
15	QPSK	1	77	22.05	22.12	21.87			
15	QPSK	36	8	21.21	21.25	21.18	21.8	1.0	
15	QPSK	36	22	22.15	22.25	22.10	22.8	0.8	
15	QPSK	36	43	21.10	21.23	21.20	21.8	1.0	
15	QPSK	75	8	21.15	21.28	21.23			
15	16QAM	1	1	20.84	20.99	20.88	21.9	1.0	
15	16QAM	1	1	18.48	18.54	18.50	19.3	2.5	
256QAM	1	1	1	17.89	18.12	18.00	18.3	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.10	22.18	22.13	22.9	0.0	
5	QPSK	1	1	22.23	22.22	22.14	22.8	0.0	

n26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
20	PUS-BPSK	1	1	19.79	19.84	19.84			
20	PUS-BPSK	1	53	19.76	19.94	19.87	21.0	0.0	
20	PUS-BPSK	1	104	19.80	19.89	19.80			
20	PUS-BPSK	36	5	19.88	19.91	19.85	21.0	0.0	
20	PUS-BPSK	36	28	19.88	19.98	19.89	21.0	0.0	
20	PUS-BPSK	36	56	19.74	19.81	19.87			
20	PUS-BPSK	100	5	19.79	19.87	19.88	21.0	0.0	
20	QPSK	1	1	19.91	20.00	19.91			
20	QPSK	1	53	19.76	19.97	19.91	21.0	0.0	
20	QPSK	1	104	19.76	19.87	19.77			
20	QPSK	36	5	19.85	19.82	19.75	21.0	0.0	
20	QPSK	36	28	19.75	19.92	19.85	21.0	0.0	
20	QPSK	36	56	19.87	19.91	19.78			
20	QPSK	100	5	19.75	19.86	19.75	21.0	0.0	
20	16QAM	1	1	19.87	19.87	19.80	20.0	0.0	
20	256QAM	1	1	19.88	19.83	19.89	20.5	0.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.81	19.15	19.15			
15	QPSK	1	1	19.86	19.86	19.80	21.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.72	19.87	19.82	21.0	0.8	
Channel									
Frequency [MHz]									
5	QPSK	1	1	19.78	19.87	19.83	21.0	0.0	

n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Power-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
20	PUS-BPSK	1	1	20.48	20.48	20.50			
20	PUS-BPSK	1	53	20.38	20.45	20.45	22.0	0.0	
20	PUS-BPSK	1	104	20.38	20.37	20.44			
20	PUS-BPSK	36	5	20.38	20.51	20.48	22.0	0.0	
20	PUS-BPSK	36	28	20.31	20.47	20.53	22.0	0.0	
20	PUS-BPSK	36	56	20.35	20.51	20.43			
20	PUS-BPSK	100	5	20.33	20.48	20.53			
20	QPSK	1	1	20.48	20.60	20.55			
20	QPSK	1	53	20.42	20.58	20.58	22.0	0.0	
20	QPSK	1	104	20.34	20.38	20.45			
20	QPSK	36	5	20.35	20.48	20.43	22.0	0.0	
20	QPSK	36	28	20.40	20.50	20.50	22.0	0.0	
20	QPSK	36	56	20.32	20.52	20.48			
20	QPSK	100	5	20.31	20.55	20.48	22.0	0.0	
20	16QAM	1	1	20.36	20.50	20.42	22.0	0.0	
20	16QAM	1	1	20.31	20.36	20.31	22.0	0.0	
20	256QAM	1	1	18.83	18.93	18.88	20.0	2.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.37	20.36	20.32	22.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.33	20.55	20.50	22.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	20.39	20.48	20.47	22.0	0.1	

n66_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MFR (dB)			
Channel											
Frequency (MHz)											
40	PSSBPSK	1	1	23.23	23.43	23.43	20.0	0.0			
40	PSSBPSK	1	108	23.38	23.41	23.38	20.0	0.0			
40	PSSBPSK	1	214	23.24	23.37	23.24	20.0	0.0			
40	PSSBPSK	108	5	22.88	22.90	22.88	24.5	0.0			
40	PSSBPSK	108	54	23.37	23.44	23.37	20.0	0.0			
40	PSSBPSK	108	108	22.78	22.85	22.78	20.0	0.0			
40	PSSBPSK	216	5	22.91	22.92	22.90	24.5	0.0			
40	QPSK	1	1	23.46	23.49	23.47	20.0	0.0			
40	QPSK	1	108	23.28	23.37	23.35	20.0	0.0			
40	QPSK	1	214	23.33	23.43	23.37	20.0	0.0			
40	QPSK	108	5	22.21	22.35	22.27	24.0	1.0			
40	QPSK	108	54	23.41	23.44	23.42	20.0	0.0			
40	QPSK	108	108	22.36	22.38	22.27	24.0	1.0			
40	QPSK	216	5	22.25	22.41	22.37	24.0	1.0			
40	16QAM	1	1	22.25	22.27	22.15	24.0	1.0			
40	16QAM	1	1	20.78	20.84	20.75	20.5	2.5			
40	256QAM	1	1	19.36	19.42	19.34	20.5	4.5			
Channel											
Frequency (MHz)											
30	QPSK	1	1	23.43	23.43	23.37	20.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.38	23.34	23.34	20.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.43	23.44	23.38	20.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.43	23.44	23.38	20.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	23.38	23.44	23.40	20.0	0.0			

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	15.76	15.84	15.72	17.0	0.0	0.0
40	PSSBPSK	1	108	15.82	15.87	15.74	17.0	0.0	0.0
40	PSSBPSK	1	214	15.77	15.77	15.71	17.0	0.0	0.0
40	PSSBPSK	108	5	15.76	15.88	15.68	17.0	0.0	0.0
40	PSSBPSK	108	54	15.69	15.83	15.75	17.0	0.0	0.0
40	PSSBPSK	108	108	15.66	15.79	15.62	17.0	0.0	0.0
40	PSSBPSK	216	5	15.72	15.84	15.78	17.0	0.0	0.0
40	QPSK	1	1	15.84	15.90	15.80	17.0	0.0	0.0
40	QPSK	1	108	15.76	15.79	15.68	17.0	0.0	0.0
40	QPSK	1	214	15.69	15.88	15.75	17.0	0.0	0.0
40	QPSK	108	5	15.76	15.73	15.63	17.0	0.0	0.0
40	QPSK	108	54	15.81	15.85	15.73	17.0	0.0	0.0
40	QPSK	108	108	15.76	15.72	15.66	17.0	0.0	0.0
40	QPSK	216	5	15.75	15.82	15.75	17.0	0.0	0.0
40	16QAM	1	1	15.81	15.84	15.77	17.0	0.0	0.0
40	16QAM	1	1	15.75	15.88	15.72	17.0	0.0	0.0
40	256QAM	1	1	15.76	15.79	15.69	17.0	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.75	15.84	15.71	17.0	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.71	15.82	15.61	17.0	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.76	15.80	15.67	17.0	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.76	15.83	15.68	17.0	0.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.71	15.78	15.79	17.0	0.0	0.0

n66_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	21.82	21.77	21.86	23.5	0.0	
40	PSSBPSK	1	108	21.81	21.88	21.74	23.5	0.0	
40	PSSBPSK	1	214	21.82	21.74	21.88	23.5	0.0	
40	PSSBPSK	108	5	21.80	21.74	21.83	23.0	0.0	
40	PSSBPSK	108	54	21.55	21.68	21.80	23.0	0.0	
40	PSSBPSK	108	108	21.80	21.72	21.82	23.0	0.0	
40	PSSBPSK	216	5	21.07	21.14	21.11	23.0	0.0	
40	QPSK	1	1	21.88	21.88	21.82	23.5	0.0	
40	QPSK	1	108	21.58	21.68	21.53	23.5	0.0	
40	QPSK	1	214	21.59	21.72	21.70	23.5	0.0	
40	QPSK	108	5	20.50	20.63	20.52	22.5	1.0	
40	QPSK	108	54	21.62	21.68	21.64	22.5	1.0	
40	QPSK	108	108	20.57	20.71	20.70	22.5	1.0	
40	QPSK	216	5	20.56	20.72	20.59	22.5	1.0	
40	16QAM	1	1	20.52	20.65	20.52	22.5	1.0	
40	16QAM	1	1	19.07	19.20	19.15	21.0	2.5	
40	256QAM	1	1	17.75	17.78	17.76	18.0	4.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	21.74	21.81	21.69	23.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	21.68	21.82	21.74	23.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	21.74	21.83	21.77	23.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	21.68	21.80	21.70	23.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	21.75	21.78	21.87	23.5	0.0	

n38_Ant 4											
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Media Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)			
Channel											
Frequency (MHz)				51600.0	51600.0	51600.0					
40	PSS-BPSK	1	1	23.43	23.50	23.39	25.0	0.0			
40	PSS-BPSK	1	53	23.35	23.46	23.41					
40	PSS-BPSK	1	104	23.36	23.43	23.40					
40	PSS-BPSK	50	0	22.83	22.92	22.83	24.5	0.0			
40	PSS-BPSK	50	26	23.34	23.46	23.38					
40	PSS-BPSK	50	56	22.87	22.91	22.88					
40	PSS-BPSK	100	0	22.85	22.92	22.88	24.5	0.0			
40	QPSK	1	1	23.44	23.52	23.40					
40	QPSK	1	53	23.29	23.43	23.38					
40	QPSK	1	104	23.40	23.47	23.41	24.0	1.0			
40	QPSK	50	0	22.41	22.43	22.38					
40	QPSK	50	26	23.43	23.42	23.38					
40	QPSK	50	56	22.36	22.46	22.25	24.0	1.0			
40	QPSK	100	0	22.38	22.41	22.28					
40	SSBQAM	1	1	23.24	23.26	23.26		24.0			
40	SSBQAM	1	1	20.50	20.51	20.75					
40	SSBQAM	1	1	19.32	19.37	19.22		20.5			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
30	QPSK	1	1	19.33	19.37	19.46	23.5	1.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
20	QPSK	1	1	17.41	17.47	17.43	20.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
10	QPSK	1	1	15.50	15.43	15.38	19.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
10	QPSK	1	1	13.50	13.41	13.40	18.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					

n38_Ant 3										
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Media Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)				51600.0	51600.0	51600.0				
40	PSS-BPSK	1	1	16.21	16.32	16.24	17.5	0.0		
40	PSS-BPSK	1	53	16.31	16.31	16.23				
40	PSS-BPSK	1	104	16.19	16.38	16.38				
40	PSS-BPSK	50	0	16.27	16.24	16.26	17.5	0.0		
40	PSS-BPSK	50	26	16.29	16.36	16.24				
40	PSS-BPSK	50	56	16.23	16.25	16.21				
40	PSS-BPSK	100	0	16.30	16.38	16.23	17.5	0.0		
40	QPSK	1	1	16.20	16.30	16.24				
40	QPSK	1	53	16.30	16.38	16.26				
40	QPSK	1	104	16.27	16.30	16.26	17.5	0.0		
40	QPSK	50	0	16.26	16.38	16.21				
40	QPSK	50	26	16.31	16.38	16.33				
40	QPSK	50	56	16.19	16.29	16.38	17.5	0.0		
40	QPSK	100	0	16.28	16.34	16.26				
40	SSBQAM	1	1	16.20	16.30	16.24		17.5		
40	SSBQAM	1	1	16.21	16.38	16.24				
40	SSBQAM	1	1	16.18	16.38	16.22		17.5		
Channel				51600.0	51600.0	51600.0				
Frequency (MHz)				51600.0	51600.0	51600.0				
30	QPSK	1	1	16.22	16.34	16.23	17.5	0.0		
Channel				51600.0	51600.0	51600.0				
Frequency (MHz)				51600.0	51600.0	51600.0				
20	QPSK	1	1	14.30	14.36	14.31	17.5	0.0		
Channel				51600.0	51600.0	51600.0				
Frequency (MHz)				51600.0	51600.0	51600.0				
10	QPSK	1	1	12.29	12.38	12.37	17.5	0.0		
Channel				51600.0	51600.0	51600.0				
Frequency (MHz)				51600.0	51600.0	51600.0				
10	QPSK	1	1	10.29	10.33	10.26	17.5	0.0		
Channel				51600.0	51600.0	51600.0				
Frequency (MHz)				51600.0	51600.0	51600.0				

n38_Ant 5											
Env (dBc)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Media Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MFR (dB)			
Channel											
Frequency (MHz)				51600.0	51600.0	51600.0					
40	PSS-BPSK	1	1	17.59	17.66	17.48	19.0	0.0			
40	PSS-BPSK	1	53	17.33	17.63	17.48					
40	PSS-BPSK	1	104	17.55	17.61	17.54					
40	PSS-BPSK	50	0	17.50	17.72	17.50	19.0	0.0			
40	PSS-BPSK	50	26	17.56	17.71	17.59					
40	PSS-BPSK	50	56	17.57	17.70	17.59					
40	PSS-BPSK	100	0	17.57	17.69	17.58	19.0	0.0			
40	QPSK	1	1	17.50	17.74	17.60					
40	QPSK	1	53	17.58	17.60	17.45					
40	QPSK	1	104	17.56	17.64	17.59	19.0	0.0			
40	QPSK	50	0	17.43	17.68	17.59					
40	QPSK	50	26	17.50	17.72	17.52					
40	QPSK	50	56	17.50	17.63	17.42	19.0	0.0			
40	QPSK	100	0	17.51	17.67	17.49					
40	SSBQAM	1	1	17.56	17.62	17.47		19.0			
40	SSBQAM	1	1	17.60	17.61	17.48					
40	SSBQAM	1	1	16.47	16.48	16.38		17.5			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
30	QPSK	1	1	17.60	17.73	17.52	19.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
20	QPSK	1	1	15.56	15.70	15.51	19.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
10	QPSK	1	1	13.54	13.61	13.59	19.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					
10	QPSK	1	1	11.54	11.62	11.47	19.0	0.0			
Channel				51600.0	51600.0	51600.0					
Frequency (MHz)				51600.0	51600.0	51600.0					

n41(HPUe)_Ant 3									
Seq ID#	Mutation	Ref Size	Ref Offset	Cons. (F. Power)	Cons. (M. Power)	Cons. (H. Power)	Cons. (A. Power)	Forward seq. offset	MP% (all)
	Channel			500000	500000	500000	500000		
500	PC2 QIFSK	1	1	15.56	18.75	18.75	18.81		MP%
500	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
500	PC2 QIFSK	1	211	15.57	18.76	18.76	18.78		MP%
500	QIFSK	135	0	15.53	18.72	18.69	18.73	17.7	0.0
500	PC2 QIFSK	135	0	15.53	18.69	18.73	18.67	17.7	0.0
500	PC2 QIFSK	135	135	15.56	18.64	18.78	18.79	17.7	0.0
500	QIFSK	211	0	15.56	18.64	18.78	18.79	17.7	0.0
500	QIFSK			15.56	18.65	18.71	18.73		MP%
500	QIFSK	1	137	15.58	18.62	18.73	18.73		MP%
500	QIFSK	211	137	15.60	18.63	18.73	18.73	17.7	0.0
500	QIFSK	135	0	15.64	18.73	18.63	18.73	17.7	0.0
500	QIFSK	135	135	15.64	18.73	18.63	18.73	17.7	0.0
500	QIFSK	135	136	15.54	18.78	18.65	18.77	17.7	0.0
500	QIFSK	211	0	15.62	18.60	18.68	18.71	17.7	0.0
500	16QAM	1	1	15.68	18.67	18.71	18.71		MP%
500	64QAM	1	1	15.68	18.65	18.71	18.71	17.7	0.0
500	256QAM	1	1	15.56	18.76	18.76	18.76	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	1	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	1	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	1	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17.7	0.0
50	Channel			500000	500000	500000	500000		MP%
50	QIFSK	211	1	15.56	18.75	18.75	18.81	17	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up band (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	17.75	17.72	17.75	18.7	0.0
100	P102-BPSK	1	137	17.77	17.71	17.85	18.7	0.0
100	P102-BPSK	1	271	17.76	17.68	17.73	18.7	0.0
100	P102-BPSK	135	0	17.67	17.68	17.64	18.7	0.0
100	P102-BPSK	135	86	17.70	17.74	17.71	18.7	0.0
100	P102-BPSK	135	138	17.71	17.70	17.74	18.7	0.0
100	P102-BPSK	270	0	17.72	17.72	17.63	18.7	0.0
100	QPSK	1	1	17.75	17.75	17.75	18.7	0.0
100	QPSK	1	137	17.74	17.81	17.77	18.7	0.0
100	QPSK	1	271	17.70	17.70	17.70	18.7	0.0
100	QPSK	135	0	17.71	17.70	17.81	18.7	0.0
100	QPSK	135	86	17.70	17.65	17.70	18.7	0.0
100	QPSK	135	138	17.66	17.65	17.70	18.7	0.0
100	QPSK	270	0	17.71	17.77	17.68	18.7	0.0
100	8QAM	1	1	17.66	17.70	17.70	18.7	0.0
100	8QAM	1	1	17.75	17.70	17.71	18.7	0.0
100	25QAM	1	1	17.75	17.71	17.65	18.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.72	17.77	17.69	18.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.76	17.72	17.70	18.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.68	17.70	17.68	18.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.71	17.69	17.74	18.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.67	17.70	17.70	18.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.72	17.70	17.70	18.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.75	17.75	17.64	18.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.70	17.71	17.70	18.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up band (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	17.75	17.72	17.75	18.7	0.0
100	P102-BPSK	1	137	17.77	17.71	17.85	18.7	0.0
100	P102-BPSK	1	271	17.76	17.68	17.73	18.7	0.0
100	P102-BPSK	135	0	17.67	17.68	17.64	18.7	0.0
100	P102-BPSK	135	86	17.70	17.74	17.71	18.7	0.0
100	P102-BPSK	135	138	17.71	17.70	17.74	18.7	0.0
100	P102-BPSK	270	0	17.72	17.72	17.63	18.7	0.0
100	QPSK	1	1	17.75	17.75	17.75	18.7	0.0
100	QPSK	1	137	17.74	17.81	17.77	18.7	0.0
100	QPSK	1	271	17.70	17.70	17.70	18.7	0.0
100	QPSK	135	0	17.71	17.70	17.81	18.7	0.0
100	QPSK	135	86	17.70	17.65	17.70	18.7	0.0
100	QPSK	135	138	17.66	17.65	17.70	18.7	0.0
100	QPSK	270	0	17.71	17.77	17.68	18.7	0.0
100	8QAM	1	1	17.66	17.70	17.70	18.7	0.0
100	8QAM	1	1	17.75	17.70	17.71	18.7	0.0
100	25QAM	1	1	17.75	17.71	17.65	18.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.72	17.77	17.69	18.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.76	17.72	17.70	18.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.68	17.70	17.68	18.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.71	17.69	17.74	18.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.67	17.70	17.70	18.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.72	17.70	17.70	18.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.75	17.75	17.64	18.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.70	17.71	17.70	18.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up band (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	13.21			14.7	0.0
100	P102-BPSK	1	137	13.20			14.7	0.0
100	P102-BPSK	1	271	13.20			14.7	0.0
100	P102-BPSK	135	0	13.20			14.7	0.0
100	P102-BPSK	135	86	13.20			14.7	0.0
100	P102-BPSK	135	138	13.20			14.7	0.0
100	P102-BPSK	270	0	13.22			14.7	0.0
100	QPSK	1	1	13.20			14.7	0.0
100	QPSK	1	137	13.20			14.7	0.0
100	QPSK	1	271	13.21			14.7	0.0
100	QPSK	135	0	13.27			14.7	0.0
100	QPSK	135	86	13.20			14.7	0.0
100	QPSK	135	138	13.17			14.7	0.0
100	QPSK	270	0	13.20			14.7	0.0
100	8QAM	1	1	13.20			14.7	0.0
100	8QAM	1	1	13.20			14.7	0.0
100	25QAM	1	1	13.27			14.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.27			14.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.24			14.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.20			14.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	13.21			14.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.27			14.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.22			14.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.27			14.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.20			14.7	0.0

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Part270_n77_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up band (dBm)	MPE (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	12.89	18.40	19.00	14.7	0.0
100	P102-BPSK	1	137	12.96	18.16	12.77	14.7	0.0
100	P102-BPSK	1	271	12.97	15.13	12.85	14.7	0.0
100	P102-BPSK	135	0	12.97	15.13	12.85	14.7	0.0
100	P102-BPSK	135	86	13.03	15.11	12.82	14.7	0.0
100	P102-BPSK	135	138	12.98	15.13	12.82	14.7	0.0
100	P102-BPSK	270	0	13.04	15.11	12.87	14.7	0.0
100	QPSK	1	1	12.90	15.08	12.75	14.7	0.0
100	QPSK	1	137	12.93	15.08	12.75	14.7	0.0
100	QPSK	1	271	12.96	15.07	12.75	14.7	0.0
100	QPSK	135	0	12.99	15.07	12.74	14.7	0.0
100	QPSK	135	86	12.91	15.08	12.74	14.7	0.0
100	QPSK	135	138	12.92	15.08	12.81	14.7	0.0
100	QPSK	270	0	12.96	15.12	12.80	14.7	0.0
100	8QAM	1	1	12.90	15.08	12.75	14.7	0.0
100	64QAM	1	1	12.94	15.05	12.86	14.7	0.0
100	25QAM	1	1	12.94	15.08	12.86	14.7	0.0
Channel								
Frequency (MHz)								
50	P102-BPSK	1	1	12.89	15.00	12.97	14.7	0.0
Channel								
Frequency (MHz)								
80	P102-BPSK	1	1	12.89	15.11	12.87	14.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.96	15.08	12.75	14.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.96	15.11	12.87	14.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.98	15.15	12.87	14.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.01	15.10	12.81	14.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.02	15.09	12.80	14.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.95	15.13	12.78	14.7	0.0

Part27Q_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Min Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				833332	840000	846668	3000	3000	
100	P12-BPSK	1	1	14.39	14.39	14.39	16.7	0.0	
100	P12-BPSK	1	137	14.39	14.39	14.39	16.7	0.0	
100	P12-BPSK	1	271	14.39	14.39	14.39	16.7	0.0	
100	P12-BPSK	135	0	14.32	14.32	14.32	16.7	0.0	
100	P12-BPSK	135	88	14.36	14.36	14.36	16.7	0.0	
100	P12-BPSK	135	138	14.39	14.39	14.39	16.7	0.0	
100	QPSK	1	1	15.05	15.05	15.05	16.7	0.0	
100	QPSK	1	137	14.95	14.95	14.95	16.7	0.0	
100	QPSK	1	271	14.36	14.36	14.36	16.7	0.0	
100	QPSK	135	0	14.37	14.37	14.37	16.7	0.0	
100	QPSK	135	88	14.39	14.39	14.39	16.7	0.0	
100	QPSK	135	138	14.37	14.37	14.37	16.7	0.0	
100	QPSK	270	0	14.99	14.99	14.99	16.7	0.0	
100	8QAM	1	1	14.36	14.36	14.36	16.7	0.0	
100	8QAM	1	1	15.09	15.09	15.09	16.7	0.0	
100	25QAM	1	1	14.95	14.95	14.95	16.7	0.0	
Channel				833332	833332	833332	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495	3495.68	3504.32	3000	3000	
80	QPSK	1	1	14.92	14.92	14.92	16.7	0.0	
Channel				833332	833332	833332	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3495.68	3000	3000	
80	QPSK	1	1	14.94	15.00	15.00	16.7	0.0	
Channel				833334	833332	834332	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
70	QPSK	1	1	15.01	14.90	14.80	16.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495	3495.38	3515.62	3000	3000	
60	QPSK	1	1	15.01	15.01	14.95	16.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
50	QPSK	1	1	15.02	15.00	14.80	16.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
40	QPSK	1	1	14.97	14.98	14.96	16.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
30	QPSK	1	1	14.95	14.97	14.96	16.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
20	QPSK	1	1	14.91	14.95	15.05	16.7	0.0	

Part27O_n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Min Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				840000	840000	846668	3000	3000	
100	P12-BPSK	1	1	14.94	15.08	15.04	16.7	0.0	
100	P12-BPSK	1	137	14.93	15.09	15.07	16.7	0.0	
100	P12-BPSK	1	271	14.95	15.06	15.06	16.7	0.0	
100	P12-BPSK	135	0	15.04	15.10	15.10	16.7	0.0	
100	P12-BPSK	135	88	14.99	15.07	15.10	16.7	0.0	
100	P12-BPSK	135	138	15.01	15.08	15.08	16.7	0.0	
100	P12-BPSK	270	0	15.01	15.06	15.07	16.7	0.0	
100	QPSK	1	1	15.17	15.19	15.19	16.7	0.0	
100	QPSK	1	137	14.94	15.12	15.17	16.7	0.0	
100	QPSK	1	271	14.95	15.14	15.06	16.7	0.0	
100	QPSK	135	0	14.95	15.05	14.95	16.7	0.0	
100	QPSK	135	88	15.02	15.17	15.10	16.7	0.0	
100	QPSK	135	138	14.99	15.05	15.09	16.7	0.0	
100	QPSK	270	0	14.99	15.11	15.08	16.7	0.0	
100	8QAM	1	1	15.09	15.14	15.12	16.7	0.0	
100	8QAM	1	1	15.04	15.18	15.14	16.7	0.0	
100	25QAM	1	1	15.03	15.06	15.04	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3840	3934.98	3000	3000	
80	QPSK	1	1	14.24	13.87	13.60	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
80	QPSK	1	1	15.06	15.10	15.10	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
70	QPSK	1	1	14.95	15.05	15.10	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
60	QPSK	1	1	15.03	15.05	15.17	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
50	QPSK	1	1	14.95	15.18	15.12	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
40	QPSK	1	1	15.01	15.10	15.10	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
30	QPSK	1	1	15.01	15.05	15.12	16.7	0.0	
Channel				840000	840000	846668	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3745.02	3745.02	3745.02	3000	3000	
20	QPSK	1	1	15.03	15.09	15.08	16.7	0.0	

Part27Q_n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Min Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				833332	840000	846668	3000	3000	
100	P12-BPSK	1	1	13.95	13.95	13.95	14.7	0.0	
100	P12-BPSK	1	137	13.98	13.98	13.98	14.7	0.0	
100	P12-BPSK	1	271	13.93	13.93	13.93	14.7	0.0	
100	P12-BPSK	135	0	14.05	14.05	14.05	14.7	0.0	
100	P12-BPSK	135	88	14.01	14.01	14.01	14.7	0.0	
100	P12-BPSK	135	138	14.01	14.01	14.01	14.7	0.0	
100	P12-BPSK	270	0	13.99	13.99	13.99	14.7	0.0	
100	QPSK	1	1	14.05	14.05	14.05	14.7	0.0	
100	QPSK	1	137	13.97	13.97	13.97	14.7	0.0	
100	QPSK	1	271	14.05	14.05	14.05	14.7	0.0	
100	QPSK	135	0	13.94	13.94	13.94	14.7	0.0	
100	QPSK	135	88	14.03	14.03	14.03	14.7	0.0	
100	QPSK	270	0	13.95	13.95	13.95	14.7	0.0	
100	8QAM	1	1	13.95	13.95	13.95	14.7	0.0	
100	8QAM	1	1	13.98	13.98	13.98	14.7	0.0	
100	25QAM	1	1	13.98	13.98	13.98	14.7	0.0	
Channel				833330	833332	833330	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495	3495.68	3504.32	3000	3000	
80	QPSK	1	1	14.03	13.96	13.92	14.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
80	QPSK	1	1	14.01	14.01	13.96	14.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
70	QPSK	1	1	13.99	13.92	13.88	14.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
60	QPSK	1	1	13.99	13.93	13.88	14.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
50	QPSK	1	1	14.00	14.04	13.98	14.7	0.0	
Channel				3495.68	3495.68	3504.32	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
40	QPSK	1	1	14.02	13.93	13.88	14.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
30	QPSK	1	1	14.00	13.97	13.94	14.7	0.0	
Channel				833330	833332	834888	Time-up limit (dBm)	MFR (dB)	
Frequency (MHz)				3495.68	3495.68	3504.32	3000	3000	
20	QPSK	1	1	14.01	14.01	13.99	14.7	0.0	

Part27Q_n77_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	14.28			15.2	0.0	
100	P102 BPSK	1	137	14.25					
100	P102 BPSK	1	271	14.28					
100	P102 BPSK	135	0	14.37			15.2	0.0	
100	P102 BPSK	135	86	14.34					
100	P102 BPSK	135	158	14.30			15.2	0.0	
100	QPSK	1	1	14.30					
100	QPSK	1	137	14.28			15.2	0.0	
100	QPSK	1	271	14.26					
100	QPSK	135	0	14.37			15.2	0.0	
100	QPSK	135	86	14.34					
100	QPSK	135	158	14.30			15.2	0.0	
100	QPSK	270	0	14.28					
100	8QAM	1	1	14.31			15.2	0.0	
100	8QAM	1	137	14.28					
100	25QAM	1	1	14.30			15.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	83.500	83.510	83.560			MFR
Channel									
Frequency (MHz)									
80	QPSK	1	1	83.500	83.510	83.560			MFR
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.27	14.34	14.38	15.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.30	14.28	14.38	15.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.27	14.30	14.27	15.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.31	14.31	14.31	15.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.30	14.30	14.30	15.2	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.28	14.34	14.34	15.2	0.0	

Part27Q_n77_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch (F)	Power Min Ch (F)	Power Low Ch (F)	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	14.02	13.97	13.44			
100	P102 BPSK	1	137	13.93	14.08	13.45	15.2	0.0	
100	P102 BPSK	1	271	14.02	13.97	13.37			
100	P102 BPSK	135	0	13.99	13.99	13.41		15.2	0.0
100	P102 BPSK	135	86	13.92	14.02	13.39			
100	P102 BPSK	135	158	13.97	14.00	13.41		15.2	0.0
100	P102 BPSK	270	0	14.01	14.03	13.34			
100	QPSK	1	1	13.93	14.03	13.41			
100	QPSK	1	137	14.00	14.00	13.40		15.2	0.0
100	QPSK	1	271	13.99	14.06	13.41			
100	QPSK	135	0	13.99	13.94	13.35		15.2	0.0
100	QPSK	135	86	14.00	14.07	13.40			
100	QPSK	135	158	13.96	14.01	13.38		15.2	0.0
100	QPSK	270	0	13.99	14.00	13.38			
100	8QAM	1	1	13.94	14.00	13.35		15.2	0.0
100	25QAM	1	1	13.91	14.07	13.44		15.2	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	84.510	84.520	84.570			
Channel				84.510	84.500	84.450	Time-up limit		MFR
Frequency (MHz)									
80	QPSK	1	1	13.96	14.09	13.45	15.2	0.0	
Channel				84.500	84.490	84.440	Time-up limit		MFR
Frequency (MHz)									
70	QPSK	1	1	13.89	14.08	13.39	15.2	0.0	
Channel				84.490	84.480	84.430	Time-up limit		MFR
Frequency (MHz)									
80	QPSK	1	1	13.93	14.08	13.39	15.2	0.0	
Channel				84.480	84.470	84.420	Time-up limit		MFR
Frequency (MHz)									
50	QPSK	1	1	13.94	14.08	13.39	15.2	0.0	
Channel				84.470	84.460	84.410	Time-up limit		MFR
Frequency (MHz)									
40	QPSK	1	1	13.94	14.08	13.39	15.2	0.0	
Channel				84.460	84.450	84.400	Time-up limit		MFR
Frequency (MHz)									
30	QPSK	1	1	13.94	14.08	13.39	15.2	0.0	
Channel				84.450	84.440	84.390	Time-up limit		MFR
Frequency (MHz)									
20	QPSK	1	1	13.88	13.99	13.34	15.2	0.0	

Part27Q_n78_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	13.99					
100	P102 BPSK	1	137	13.97				14.7	0.0
100	P102 BPSK	1	271	13.93					
100	P102 BPSK	135	0	13.98				14.7	0.0
100	P102 BPSK	135	86	13.92					
100	P102 BPSK	135	158	13.92				14.7	0.0
100	P102 BPSK	270	0	13.92					
100	QPSK	1	1	13.94					
100	QPSK	1	137	13.92				14.7	0.0
100	QPSK	1	271	13.90					
100	QPSK	135	0	13.92				14.7	0.0
100	QPSK	135	86	13.91					
100	QPSK	135	158	13.96				14.7	0.0
100	QPSK	270	0	13.92					
100	8QAM	1	1	13.92				14.7	0.0
100	8QAM	1	1	13.98					
100	25QAM	1	1	13.91				14.7	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	83.500	83.510	83.560			
Channel				83.500	83.560	83.510			
Frequency (MHz)									
80	QPSK	1	1	13.90	13.92	13.35		14.7	0.0
Channel				13.900	13.920	13.350			
Frequency (MHz)									
80	QPSK	1	1	83.510	83.500	83.560			
Channel				83.510	83.500	83.560			
Frequency (MHz)									
70	QPSK	1	1	13.89	13.95	13.39		14.7	0.0
Channel				13.890	13.950	13.390			
Frequency (MHz)									
80	QPSK	1	1	13.90	13.91	13.90		14.7	0.0
Channel				13.900	13.910	13.900			
Frequency (MHz)									
50	QPSK	1	1	13.97	13.97	13.90		14.7	0.0
Channel				13.970	13.970	13.900			
Frequency (MHz)									
40	QPSK	1	1	13.93	14.00	13.39		14.7	0.0
Channel				13.930	14.000	13.390			
Frequency (MHz)									
30	QPSK	1	1	13.92	13.93	13.90		14.7	0.0
Channel				13.920	13.930	13.900			
Frequency (MHz)									
20	QPSK	1	1	13.90	13.92	13.90		14.7	0.0
Channel				13.900	13.920	13.900			

Part27Q_n78(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)		
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	13.99					
100	P102 BPSK	1	137	13.97			14.7		0.0
100	P102 BPSK	1	273	13.12					
100	P102 BPSK	1	291	13.06			14.7	0.0	
100	P102 BPSK	133	138	13.06			14.7	0.0	
100	P102 BPSK	253	135	13.02			14.7	0.0	
100	QPSK	1	1	13.14					
100	QPSK	1	137	13.02			14.7		0.0
100	QPSK	1	273	13.02			14.7		0.0
100	QPSK	133	138	13.02			14.7	0.0	
100	QPSK	253	135	12.96			14.7	0.0	
100	QPSK	133	138	12.96			14.7	0.0	
100	QPSK	253	135	12.93			14.7	0.0	
100	16QAM	1	1	13.09			14.7	0.0	
100	256QAM	1	1	13.09			14.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	82.5000	82.5033	82.5066	Time-up limit (dBm)	MFR	
50	QPSK	1	137	82.544	82.5477	82.5510	14.7		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	82.5000	82.5033	82.5066	Time-up limit (dBm)	MFR	
80	QPSK	1	137	82.544	82.5477	82.5510	14.7		0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	82.5000	82.5033	82.5066	Time-up limit (dBm)	MFR	
70	QPSK	1	137	82.544	82.5477	82.5510	14.7		0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	82.5000	82.5033	82.5066	Time-up limit (dBm)	MFR	
60	QPSK	1	137	82.544	82.5477	82.5510	14.7		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.07	13.07	13.07	Time-up limit (dBm)	MFR	
50	QPSK	1	137	13.07	13.07	13.07	14.7		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.59	12.59	12.59	Time-up limit (dBm)	MFR	
40	QPSK	1	137	12.59	12.59	12.59	14.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.07	13.07	13.07	Time-up limit (dBm)	MFR	
30	QPSK	1	137	13.07	13.07	13.07	14.7		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.06	13.06	13.06	Time-up limit (dBm)	MFR	
20	QPSK	1	137	13.06	13.06	13.06	14.7		0.0

Part27Q_n78_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	13.09					
100	P102 BPSK	1	137	13.08			14.7		0.0
100	P102 BPSK	1	271	13.05					
100	P102 BPSK	135	0	13.04			14.7		0.0
100	P102 BPSK	135	86	13.05			14.7		0.0
100	P102 BPSK	135	138	13.11			14.7		0.0
100	P102 BPSK	270	0	13.12					
100	QPSK	1	1	13.13					
100	QPSK	1	137	13.12			14.7		0.0
100	QPSK	1	271	13.06					
100	QPSK	135	0	13.05			14.7		0.0
100	QPSK	135	86	13.12			14.7		0.0
100	QPSK	135	138	12.98			14.7		0.0
100	QPSK	270	0	13.09					
100	8QAM	1	1	13.05			14.7		0.0
100	8QAM	1	1	13.01			14.7		0.0
100	25QAM	1	1						
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.05	13.11	13.08	14.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.98	13.09	13.12	14.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.04	13.11	13.05	14.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.10	13.09	13.10	14.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.07	13.08	13.09	14.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.98	13.07	13.11	14.7	0.0	

Part27Q_n78(HPUE)_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / F.Freq	Power Middle Ch / F.Freq	Power High Ch / F.Freq	Time-up limit (dBm)	MFR Max(dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	13.09					
100	P102 BPSK	1	137	13.08			14.7		0.0
100	P102 BPSK	1	271	13.05					
100	P102 BPSK	135	0	13.04			14.7		0.0
100	P102 BPSK	135	86	13.05			14.7		0.0
100	P102 BPSK	135	138	13.11			14.7		0.0
100	P102 BPSK	270	0	13.12					
100	QPSK	1	1	13.13					
100	QPSK	1	137	13.12			14.7		0.0
100	QPSK	1	271	13.06					
100	QPSK	135	0	13.05			14.7		0.0
100	QPSK	135	86	13.12			14.7		0.0
100	QPSK	135	138	12.98			14.7		0.0
100	QPSK	270	0	13.09					
100	8QAM	1	1	13.05			14.7		0.0
100	8QAM	1	1	13.01			14.7		0.0
100	25QAM	1	1						
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	13.05	13.11	13.08	14.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.98	13.09	13.12	14.7	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.04	13.11	13.05	14.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.10	13.09	13.10	14.7	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.07	13.08	13.09	14.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.98	13.07	13.11	14.7	0.0	
Channel									
Frequency (MHz)									

Part27Q_n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	13.04					
100	P102 BPSK	1	137	13.03			16.7		0.0
100	P102 BPSK	1	271	13.04					
100	P102 BPSK	135	0	13.04			16.7		0.0
100	P102 BPSK	135	86	13.07			16.7		0.0
100	P102 BPSK	135	138	13.07			16.7		0.0
100	P102 BPSK	270	0	13.08					
100	QPSK	1	1	13.11					
100	QPSK	1	137	13.06			16.7		0.0
100	QPSK	1	271	13.07					
100	QPSK	135	0	13.07			16.7		0.0
100	QPSK	135	86	13.08			16.7		0.0
100	QPSK	135	138	13.06			16.7		0.0
100	QPSK	270	0	13.07					
100	8QAM	1	1	13.04			16.7		0.0
100	8QAM	1	1	13.08			16.7		0.0
100	25QAM	1	1						
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	84968	85000	85032	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.09	14.06	14.06	16.7		0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.09	14.98	15.04	16.7		0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.09	14.98	15.04	16.7		0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.09	15.94	16.04	16.7		0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.09	15.94	16.04	16.7		0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.09	15.94	16.04	16.7		0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	15.18				
100	P102-BPSK	1	137	15.17			16.7	0.0
100	P102-BPSK	1	271	15.15				
100	P102-BPSK	135	0	15.15			16.7	0.0
100	P102-BPSK	135	86	15.11			16.7	0.0
100	P102-BPSK	135	138	15.18			16.7	0.0
100	P102-BPSK	270	0	15.19				
100	QPSK	1	1	15.21				
100	QPSK	1	137	15.12			16.7	0.0
100	QPSK	1	271	15.16				
100	QPSK	135	0	15.12			16.7	0.0
100	QPSK	135	86	15.20			16.7	0.0
100	QPSK	135	138	15.06			16.7	0.0
100	QPSK	270	0	15.12				
100	8QAM	1	1	15.06			16.7	0.0
100	8QAM	1	1	15.07			16.7	0.0
100	25QAM	1	1	15.20			16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	84968	85000	85032		
80	QPSK	1	1	8745.02	8750	8754.98		
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.05	15.06	15.10	16.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.05	15.06	15.05	16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.90	15.04	15.08	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.05	15.07	15.02	16.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.90	15.03	15.02	16.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.90	15.05	15.05	16.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.07	15.05	14.97	16.7	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	15.18				
100	P102-BPSK	1	137	15.17			16.7	0.0
100	P102-BPSK	1	271	15.15				
100	P102-BPSK	135	0	15.15			16.7	0.0
100	P102-BPSK	135	86	15.11			16.7	0.0
100	P102-BPSK	135	138	15.18			16.7	0.0
100	P102-BPSK	270	0	15.19				
100	QPSK	1	1	15.21				
100	QPSK	1	137	15.12			16.7	0.0
100	QPSK	1	271	15.16				
100	QPSK	135	0	15.12			16.7	0.0
100	QPSK	135	86	15.20			16.7	0.0
100	QPSK	135	138	15.06			16.7	0.0
100	QPSK	270	0	15.12				
100	8QAM	1	1	15.06			16.7	0.0
100	8QAM	1	1	15.07			16.7	0.0
100	25QAM	1	1	15.20			16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	84968	85000	85032		
80	QPSK	1	1	8745.02	8750	8754.98		
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.05	15.06	15.10	16.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.05	15.06	15.05	16.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.90	15.04	15.08	16.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.05	15.07	15.02	16.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.90	15.03	15.02	16.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.90	15.05	15.05	16.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.07	15.05	14.97	16.7	0.0

Part270_n78_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	13.97				
100	P102-BPSK	1	137	14.00			14.7	0.0
100	P102-BPSK	1	271	13.95				
100	P102-BPSK	135	0	13.95			14.7	0.0
100	P102-BPSK	135	86	13.95			14.7	0.0
100	P102-BPSK	135	138	13.97			14.7	0.0
100	P102-BPSK	270	0	13.94				
100	QPSK	1	1	13.91				
100	QPSK	1	137	13.95			14.7	0.0
100	QPSK	1	271	13.95				
100	QPSK	135	0	13.88			14.7	0.0
100	QPSK	135	86	13.93			14.7	0.0
100	QPSK	135	138	13.94			14.7	0.0
100	QPSK	270	0	13.88				
100	8QAM	1	1	13.85			14.7	0.0
100	8QAM	1	1	13.85			14.7	0.0
100	25QAM	1	1	13.90			14.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	83300	83332	83360		
80	QPSK	1	1	3495	3499.98	3504.99		
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.90	13.95	13.92	14.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.00	13.95	13.95	14.7	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	13.95	13.94	13.95	14.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	13.93	13.92	13.90	14.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	13.98	13.95	14.00	14.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	13.93	13.93	13.93	14.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.00	13.97	13.90	14.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.93	13.88	13.95	14.7	0.0

Part27Q_n78(HPUE)_Ant 6

Part27Q_n78(HPUe)_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P102-BPSK	1	1	13.97				
100	P102-BPSK	1	137	14.00			14.7	0.0
100	P102-BPSK	1	271	13.95				
100	P102-BPSK	135	0	13.95			14.7	0.0
100	P102-BPSK	135	86	13.95			14.7	0.0
100	P102-BPSK	135	138	13.97			14.7	0.0
100	P102-BPSK	270	0	13.94				
100	QPSK	1	1	13.91				
100	QPSK	1	137	13.95			14.7	0.0
100	QPSK	1	271	13.95				
100	QPSK	135	0	13.88			14.7	0.0
100	QPSK	135	86	13.93			14.7	0.0
100	QPSK	135	138	13.94			14.7	0.0
100	QPSK	270	0	13.88				
100	8QAM	1	1	13.85			14.7	0.0
100	8QAM	1	1	13.85			14.7	0.0
100	25QAM	1	1	13.90			14.7	0.0
Channel				833000	833000	833000	14.7	0.0
Frequency (MHz)				84100	84940	84940		
50	QPSK	1	1	13.90	13.90	13.92	14.7	0.0
Channel				85608	85608	85609		
Frequency (MHz)				86400	86400	86400		
80	QPSK	1	1	14.00	13.98	13.98	14.7	0.0
Channel				882324	882324	882323		
70	QPSK	1	1	13.95	13.94	13.95	14.7	0.0
Channel				89808	89808	89808		
Frequency (MHz)				91300	91300	91300		
60	QPSK	1	1	13.80	13.82	13.80	14.7	0.0
Channel				92952	92952	92952		
50	QPSK	1	1	13.95	13.95	13.92	14.7	0.0
Channel				94552	94552	94552		
40	QPSK	1	1	13.86	13.86	13.87	14.7	0.0
Channel				96152	96152	96152		
30	QPSK	1	1	14.00	14.00	13.98	14.7	0.0
Channel				97752	97752	97752		
20	QPSK	1	1	13.90	13.95	13.90	14.7	0.0

Part27Q_n78_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	14.30				14.7	0.0
100	P102 BPSK	1	137	14.32					
100	P102 BPSK	1	271	14.34					
100	P102 BPSK	135	0	14.30				14.7	0.0
100	P102 BPSK	135	86	14.28				14.7	0.0
100	P102 BPSK	135	158	14.30				14.7	0.0
100	P102 BPSK	270	0	14.32					
100	QPSK	1	1	14.30				14.7	0.0
100	QPSK	1	137	14.32					
100	QPSK	1	271	14.34					
100	QPSK	135	0	14.30				14.7	0.0
100	QPSK	135	86	14.28				14.7	0.0
100	QPSK	135	158	14.34				14.7	0.0
100	QPSK	270	0	14.32					
100	8QAM	1	1	14.30				14.7	0.0
100	8QAM	1	137	14.32				14.7	0.0
100	256QAM	1	1	14.32				14.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.28	14.28	14.28		14.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.28	14.30	14.31		14.7	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.30	14.30	14.30		14.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.32	14.33	14.30		14.7	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.31	14.30	14.27		14.7	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.30	14.30	14.30		14.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.31	14.32	14.30		14.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.33	14.36	14.28		14.7	0.0

Part27Q_n78(HPUE)_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	14.30			14.7	0.0	
100	P102 BPSK	1	137	14.32					
100	P102 BPSK	1	271	14.34					
100	P102 BPSK	135	0	14.30			14.7	0.0	
100	P102 BPSK	135	86	14.28			14.7	0.0	
100	P102 BPSK	135	158	14.30			14.7	0.0	
100	P102 BPSK	270	0	14.32					
100	QPSK	1	1	14.30			14.7	0.0	
100	QPSK	1	137	14.32			14.7	0.0	
100	QPSK	1	271	14.33					
100	QPSK	135	0	14.28			14.7	0.0	
100	QPSK	135	86	14.24			14.7	0.0	
100	QPSK	135	158	14.24			14.7	0.0	
100	QPSK	270	0	14.28					
100	8QAM	1	1	14.30			14.7	0.0	
100	8QAM	1	137	14.32			14.7	0.0	
100	256QAM	1	1	14.32			14.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.28	14.28	14.28		14.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.28	14.30	14.31		14.7	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	14.30	14.30	14.30		14.7	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	14.32	14.33	14.30		14.7	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	14.31	14.30	14.27		14.7	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	14.30	14.30	14.30		14.7	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	14.31	14.32	14.30		14.7	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	14.33	14.36	14.28		14.7	0.0

Part27Q_n78_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	P102 BPSK	1	1	13.30				14.2	0.0
100	P102 BPSK	1	137	13.24					
100	P102 BPSK	1	271	13.26					
100	P102 BPSK	135	0	13.30				14.2	0.0
100	P102 BPSK	135	86	13.26				14.2	0.0
100	P102 BPSK	135	158	13.31				14.2	0.0
100	P102 BPSK	270	0	13.22					
100	QPSK	1	1	13.30				14.2	0.0
100	QPSK	1	137	13.32				14.2	0.0
100	QPSK	1	271	13.22					
100	QPSK	135	0	13.22				14.2	0.0
100	QPSK	135	86	13.22				14.2	0.0
100	QPSK	135	158	13.23				14.2	0.0
100	QPSK	270	0	13.26					
100	8QAM	1	1	13.30				14.2	0.0
100	8QAM	1	137	13.32				14.2	0.0
100	256QAM	1	1	13.18				14.2	0.0
100	256QAM	1	137	13.28				14.2	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	E14000	E14003	E14006		14.2	0.0
Channel									
Frequency (MHz)									
90	QPSK	1	1	E14008	E14012	E14009		14.2	0.0
Channel									
Frequency (MHz)									
80	QPSK	1	1	E14012	E14015	E14016		14.2	0.0
Channel									
Frequency (MHz)									
70	QPSK	1	1	E14016	E14019	E14020		14.2	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	E14020	E14023	E14024		14.2	0.0
Channel									
Frequency (MHz)									
60	QPSK	1	1	E14024	E14027	E14028		14.2	0.0
Channel									
Frequency (MHz)									
50	QPSK	1	1	E14028	E14031	E14032		14.2	0.0
Channel									
Frequency (MHz)									
40	QPSK	1	1	E14032	E14035	E14036		14.2	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	E14036	E14039	E14040		14.2	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	E14040	E14043	E14044		14.2	0.0

Part27Q_n78(HPUE)_Ant 10											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Max Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)			
Channel											
Frequency (MHz)											
100	P102 BPSK	1	1	13.30				14.2	0.0		
100	P102 BPSK	1	137	13.24							
100	P102 BPSK	1	271	13.26							
100	P102 BPSK	135	0	13.30				14.2	0.0		
100	P102 BPSK	135	86	13.26				14.2	0.0		
100	P102 BPSK	135	158	13.31				14.2	0.0</		

Part27O_n78_Ant 10									
DIV (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Modulo Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1		13.08				
100	PI/2 BPSK	1	137		13.09		14.2	0.0	
100	PI/2 BPSK	1	271		13.03				
100	PI/2 BPSK	135	0		13.11		14.2	0.0	
100	PI/2 BPSK	135	48		13.06		14.2	0.0	
100	PI/2 BPSK	135	138		13.11		14.2	0.0	
100	PI/2 BPSK	270	0		13.12				
100	QPSK	1	1		13.15				
100	QPSK	1	137		13.14		14.2	0.0	
100	QPSK	1	271		13.13				
100	QPSK	135	0		13.08		14.2	0.0	
100	QPSK	135	48		13.08		14.2	0.0	
100	QPSK	135	138		13.08		14.2	0.0	
100	QPSK	270	0		13.07				
100	SSB-QAM	1	1		13.01		14.2	0.0	
100	SSB-QAM	1	1		13.02		14.2	0.0	
100	SSB-QAM	1	1		13.12		14.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	845334	845000	845666	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	845334	845000	845666	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	

Part27O_n78(HPUE)_Ant 10									
DIV (kHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Modulo Ch / Freq	Power High Ch / Freq	Time-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
100	PI/2 BPSK	1	1		13.08				
100	PI/2 BPSK	1	137		13.09		14.2	0.0	
100	PI/2 BPSK	1	271		13.03				
100	PI/2 BPSK	135	0		13.11		14.2	0.0	
100	PI/2 BPSK	135	48		13.06		14.2	0.0	
100	PI/2 BPSK	135	138		13.11		14.2	0.0	
100	PI/2 BPSK	270	0		13.12				
100	QPSK	1	1		13.15				
100	QPSK	1	137		13.14		14.2	0.0	
100	QPSK	1	271		13.13				
100	QPSK	135	0		13.08		14.2	0.0	
100	QPSK	135	48		13.08		14.2	0.0	
100	QPSK	135	138		13.08		14.2	0.0	
100	QPSK	270	0		13.07				
100	SSB-QAM	1	1		13.01		14.2	0.0	
100	SSB-QAM	1	1		13.02		14.2	0.0	
100	SSB-QAM	1	1		13.12		14.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	845334	845000	845666	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	845334	845000	845666	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
60	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
40	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	845000	845000	845000	Time-up limit (dBm)	MFR	

2.4GHz WLAN			Full Power		Head Standalone		Head Simultaneous		Body/Extremity Standalone		Body/Extremity Simultaneous/Hotspot		Duty Cycle %	
Mode	Channel	Frequency (MHz)	Ant 8		Ant 8		Ant 8		Ant 8		Ant 8			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	13.50	14.50	13.50	14.50	12.50	13.50	13.50	14.50	13.50	14.50	99.64
		6	2437	13.70	15.00	13.70	15.00	12.08	13.80	13.70	15.00	13.70	15.00	
		11	2462	11.70	12.50	11.70	12.50	11.70	12.50	11.70	12.50	11.70	12.50	
	802.11g 6Mbps	1	2412	13.10	14.00	14.00	13.80	13.80	14.00	14.00	13.80	13.80	95.80	
		2	2417	17.70	19.00	19.00	18.00	18.00	17.50	17.50	16.00	16.00		
		6	2437	17.30	19.00	19.00	18.00	18.00	17.50	17.50	16.00	16.00		
	802.11n-HT20 MCS0	11	2462	17.50	18.50	18.50	18.00	18.00	17.50	17.50	16.00	16.00	96.27	
		1	2412	13.90	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
		2	2417	17.80	19.00	19.00	18.00	18.00	17.50	17.50	16.00	16.00		
	802.11n-HT40 MCS0	6	2437	17.50	19.00	19.00	18.00	18.00	17.50	17.50	16.00	16.00	88.41	
		11	2462	16.30	17.50	17.50	16.00	16.00	15.50	15.50	14.00	14.00		
		3	2422	13.10	14.50	14.50	13.50	13.50	14.50	14.50	14.50	14.50		
	802.11ac-VHT20 MCS0	4	2427	14.00	15.50	15.50	13.50	13.50	17.50	17.50	16.00	16.00	96.27	
		5	2432	14.50	16.50	16.50	15.00	15.00	17.50	17.50	16.00	16.00		
		6	2437	16.80	18.50	18.50	16.00	16.00	17.50	17.50	16.00	16.00		
	802.11ac-VHT40 MCS0	9	2452	14.20	15.50	15.50	13.50	13.50	15.50	15.50	15.50	15.50	88.41	
		1	2412	15.00	16.00	16.00	13.50	13.50	15.00	15.00	15.00	15.00		
		2	2417	16.00	17.00	17.00	15.00	15.00	17.00	17.00	16.00	16.00		
	802.11ac-VHT80 MCS0	6	2437	18.00	19.00	19.00	16.00	16.00	17.50	17.50	16.00	16.00	96.27	
		11	2462	18.00	19.00	19.00	13.50	13.50	17.50	17.50	16.00	16.00		
		3	2422	Not Required	14.50	14.50	13.50	13.50	14.50	14.50	14.50	14.50		
	802.11ac-VHT160 MCS0	4	2427	Not Required	15.50	15.50	13.50	13.50	17.50	17.50	16.00	16.00	88.41	
		5	2432	Not Required	16.50	16.00	13.50	13.50	17.50	17.50	16.00	16.00		
		6	2437	Not Required	18.50	18.00	13.50	13.50	17.50	17.50	16.00	16.00		
	802.11ac-VHT32 MCS0	8	2447	Not Required	16.50	16.00	13.50	13.50	17.50	17.50	16.00	16.00	88.41	
		9	2452	Not Required	15.50	15.50	13.50	13.50	15.50	15.50	15.50	15.50		
		10	2457	Not Required	14.50	14.50	13.50	13.50	14.50	14.50	14.50	14.50		

5.2GHz WLAN		Full Power		Head Standalone		Head Simultaneous 5G+BT		Head Simultaneous WWAN+5G		Head Simultaneous WWAN+5G+BT		Body/Extremity Standalone		Body/Extremity Simultaneous 5G+BT		Body/Extremity/Hotspot & Simultaneous WWAN+5G+WWAN+5G+BT		Duty Cycle %
		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
5.2GHz WLAN	802.11a 6Mbps	36	5180	15.02	17.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	96.50
		40	5200	18.53	20.50	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
		44	5220	18.57	20.50	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
		48	5240	14.01	16.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
		36	5180	15.04	17.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
		40	5200	18.02	20.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
	802.11n-HT20 MCS0	44	5220	18.07	20.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	96.27
		48	5240	15.05	17.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
		36	5180	12.85	14.50	12.85	15.50	13.50	12.50	11.00	11.00	12.85	14.50	13.50	13.50	13.50	12.50	
		48	5220	17.64	19.50	13.59	15.50	13.50	12.50	11.00	13.02	15.00	13.50	13.50	13.50	13.50	12.50	
		36	5180	17.00	17.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
		40	5200	18.00	20.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	
802.11ac-VHT20 MCS0	44	5220	Not Required	20.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50	96.27	
	48	5240	Not Required	17.00	15.50	13.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50		
802.11ac-VHT40 MCS0	38	5190	Not Required	14.50	14.50	13.50	13.50	12.50	11.00	11.00	14.50	15.00	13.50	13.50	13.50	12.50	89.71	
	46	5230	Not Required	19.50	19.50	15.50	13.50	12.50	11.00	11.00	15.00	15.00	13.50	13.50	13.50	12.50		
802.11ac-VHT80 MCS0	42	5210	11.77	13.50	13.50	11.77	13.50	10.72	12.50	9.12	11.00	13.50	11.77	13.50	10.72	12.50	88.89	

5.3GHz WLAN			Full Power		Head Standalone		Head Simultaneous 5G+BT		Head Simultaneous WWAN+5G		Head Simultaneous WWAN+5G+BT		Body/Extremity Standalone		Body/Extremity Simultaneous 5G+BT		Body/Extremity Simultaneous WWAN+5G+WWAN+5G+BT		Duty Cycle %
		Ant 8	Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		Ant 8		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5280	18.56	20.50	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50	96.50		
		56	5280	18.59	20.50	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
		60	5300	18.65	20.50	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
		64	5320	15.05	17.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
		52	5280	18.10	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
		56	5280	18.06	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
	802.11n-HT20 MCS0	60	5300	18.15	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50	96.27		
		64	5320	15.60	17.50	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
		54	5270	17.81	19.50	13.52	15.50	11.62	13.50	12.50	11.50	13.03	15.00	11.62	13.50	13.50		12.50	
		62	5310	12.83	14.50	12.83	14.50	13.50	12.50	11.50	11.50	12.83	14.50	11.50	13.50	13.50		12.50	
		52	5280	20.00	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50			
		802.11ac-VHT40 MCS0	56	5280	20.00	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50	96.27	
60	5300	20.00	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50					
64	5320	20.00	20.00	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50					
802.11ac-VHT40 MCS0	54	5270	19.50	19.50	15.50	13.50	12.50	11.50	11.50	15.00	15.00	13.50	13.50	13.50	12.50				
802.11ac-VHT40 MCS0	62	5310	14.50	14.50	14.50	14.50	13.50	12.50	11.50	11.50	14.50	14.50	13.50	12.50	12.50	12.50	89.71		
802.11ac-VHT80 MCS0	58	5290	10.73	12.50	12.50	12.50	10.67	12.50	9.28	11.50	12.50	12.50	10.67	12.50	12.50	12.50			

<Bluetooth>			Ant 8					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	13.50	16.00	12.90	14.00	12.90	14.00
	CH 36	2441	13.70	16.00	13.10	14.00	13.00	14.00
	CH 78	2480	15.20	16.00	12.70	14.00	12.70	14.00

BT BLE			Ant 8			
Mode	Channel	Frequency (MHz)	Average power (dBm)			
			1Mbps	129Kbps	500Kbps	Tune-up Limit
LE	CH 00	2402	5.57	5.80	5.70	7.00
	CH 19	2440	5.60	5.70	5.60	7.00
	CH 39	2480	5.30	5.40	5.30	7.00

			Ant 8	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			2Mbps	Tune-up Limit
LE	CH 1	2404	5.80	7.00
	CH 19	2440	5.70	7.00
	CH 38	2476	5.60	7.00

Head Simultaneous			Coex/Noncoex BT/BLE					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	2Mbps	Tune-up Limit	3Mbps	Tune-up Limit
BR / EDR	CH 00	2402	11.90	12.80	8.90	10.80	8.90	10.80
	CH 36	2441	12.10	12.80	9.10	10.80	9.10	10.80
	CH 78	2480	10.30	11.00	7.30	9.00	7.30	9.00