

Full Power Mode

GSM850_Ant 0		Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel		512	661	810	512	661	810
Frequency (MHz)		824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	32.10	31.95	32.20	33.50	23.10	22.95	23.20
GPRS 1 Tx slot	32.05	31.90	32.17	33.50	23.05	22.90	23.17
GPRS 2 Tx slots	30.16	30.10	30.20	31.90	24.16	24.10	24.20
GPRS 3 Tx slots	28.12	28.06	28.19	29.90	23.86	23.80	23.93
GPRS 4 Tx slots	27.15	27.08	27.22	28.00	24.15	24.08	24.22
EDGE 1 Tx slot	28.17	28.10	28.23	28.50	17.17	17.10	17.23
EDGE 2 Tx slots	25.13	25.05	25.20	27.00	19.13	19.05	19.20
EDGE 3 Tx slots	23.11	23.00	23.15	25.00	18.85	18.74	18.89
EDGE 4 Tx slots	22.10	22.00	22.18	23.50	19.10	19.00	19.18

GSM1900_Ant 4		Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel		512	661	810	512	661	810
Frequency (MHz)		1852.2	1860	1869.8	1852.2	1860	1869.8
GSM 1 Tx slot	29.75	29.77	29.72	30.50	20.75	20.77	20.72
GPRS 1 Tx slot	29.69	29.70	29.66	30.50	20.69	20.70	20.66
GPRS 2 Tx slots	27.79	27.80	27.72	28.00	21.79	21.80	21.72
GPRS 3 Tx slots	25.68	25.70	25.60	26.00	21.42	21.44	21.34
GPRS 4 Tx slots	24.70	24.80	24.70	25.00	21.70	21.80	21.70
EDGE 1 Tx slot	25.62	25.75	25.63	26.00	16.62	16.75	16.63
EDGE 2 Tx slots	24.62	24.68	24.54	25.50	18.62	18.68	18.54
EDGE 3 Tx slots	22.68	22.77	22.67	24.00	18.42	18.51	18.41
EDGE 4 Tx slots	20.71	20.80	20.77	22.50	17.71	17.80	17.77

Band		WCDMA 8_Ant 4			WCDMA 8_Ant 3		
TX Channel		9262	9400	9538	9262	9400	9538
Rx Channel		9662	9800	9938	9662	9800	9938
Frequency (MHz)		1625.4	1630	1637.6	1625.4	1630	1637.6
3GPP Rel 99	AMR 12.2Kbps	24.64	24.71	24.76	25.00	24.08	24.21
3GPP Rel 99	RMC 12.2Kbps	24.74	24.80	24.77	25.00	24.20	24.28
3GPP Rel 6	HSDPA Subtest-1	23.70	23.81	23.57	24.00	23.20	23.31
3GPP Rel 6	HSDPA Subtest-2	23.70	23.78	23.59	24.00	23.17	23.29
3GPP Rel 6	HSDPA Subtest-3	23.25	23.31	23.14	23.50	22.72	22.62
3GPP Rel 6	HSDPA Subtest-4	23.19	23.29	23.08	23.50	22.68	22.75
3GPP Rel 6	DC-HSDPA Subtest-1	23.67	23.69	23.45	24.00	23.10	23.20
3GPP Rel 6	DC-HSDPA Subtest-2	23.65	23.69	23.46	24.00	23.07	23.28
3GPP Rel 6	DC-HSDPA Subtest-3	23.10	23.24	23.05	23.50	22.71	22.70
3GPP Rel 6	DC-HSDPA Subtest-4	23.06	23.21	22.93	23.50	22.62	22.60
3GPP Rel 6	HSUPA Subtest-1	21.75	21.85	21.61	22.50	21.15	21.30
3GPP Rel 6	HSUPA Subtest-2	21.74	21.83	21.58	22.00	21.22	21.37
3GPP Rel 6	HSUPA Subtest-3	22.78	22.85	22.40	23.00	22.18	22.31
3GPP Rel 6	HSUPA Subtest-4	21.23	21.34	21.14	21.50	20.70	20.85
3GPP Rel 6	HSUPA Subtest-5	22.80	22.80	22.60	24.00	22.20	22.30
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.70	21.80	21.60	22.50	21.20	21.32

Band		WCDMA 8_Ant 6			WCDMA 8_Ant 1		
TX Channel		4132	4182	4233	4132	4182	4233
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	24.15	24.12	24.03	25.00	24.04	24.16
3GPP Rel 99	RMC 12.2Kbps	24.20	24.22	24.17	25.00	24.15	24.20
3GPP Rel 6	HSDPA Subtest-1	23.30	23.21	23.18	24.00	23.16	23.02
3GPP Rel 6	HSDPA Subtest-2	23.25	23.20	23.17	24.00	23.13	22.98
3GPP Rel 6	HSDPA Subtest-3	22.76	22.76	22.66	23.50	22.69	22.57
3GPP Rel 6	HSDPA Subtest-4	22.77	22.70	22.68	23.50	22.62	22.53
3GPP Rel 6	DC-HSDPA Subtest-1	23.24	23.09	23.12	24.00	23.11	22.94
3GPP Rel 6	DC-HSDPA Subtest-2	23.24	23.07	23.06	24.00	23.09	22.82
3GPP Rel 6	DC-HSDPA Subtest-3	22.64	22.73	22.53	23.50	22.62	22.56
3GPP Rel 6	DC-HSDPA Subtest-4	22.74	22.68	22.54	23.50	22.61	22.46
3GPP Rel 6	HSUPA Subtest-1	21.30	21.23	21.19	22.00	21.05	21.05
3GPP Rel 6	HSUPA Subtest-2	21.26	21.21	21.15	22.00	20.90	20.97
3GPP Rel 6	HSUPA Subtest-3	22.29	22.25	22.16	23.00	21.91	21.95
3GPP Rel 6	HSUPA Subtest-4	20.80	20.74	20.74	21.50	20.63	20.68
3GPP Rel 6	HSUPA Subtest-5	22.30	22.20	22.20	24.00	22.10	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.20	21.30	21.30	22.50	21.10	21.05

GSM1900_Ant 3		Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel		512	661	810	512	661	810
Frequency (MHz)		1852.2	1860	1869.8	1852.2	1860	1869.8
GSM 1 Tx slot	29.15	29.20	29.32	29.90	20.15	20.20	20.32
GPRS 1 Tx slot	29.05	29.18	29.30	29.90	20.05	20.18	20.30
GPRS 2 Tx slots	27.13	27.30	27.33	27.40	21.13	21.30	21.33
GPRS 3 Tx slots	25.15	25.20	25.36	25.90	20.89	20.94	21.10
GPRS 4 Tx slots	24.18	24.21	24.36	24.40	21.18	21.21	21.35
EDGE 1 Tx slot	25.42	25.49	25.42	27.40	16.42	16.49	16.42
EDGE 2 Tx slots	24.09	24.13	24.28	25.90	18.09	18.13	18.28
EDGE 3 Tx slots	22.07	22.16	22.30	23.40	17.81	17.90	18.04
EDGE 4 Tx slots	20.10	20.18	20.22	21.90	17.10	17.18	17.22

Band		WCDMA 8_Ant 4			WCDMA 8_Ant 3		
TX Channel		1312	1413	1513	1312	1413	1513
Rx Channel		1537	1638	1738	1537	1638	1738
Frequency (MHz)		1712.4	1722.6	1732.6	1712.4	1722.6	1732.6
3GPP Rel 99	AMR 12.2Kbps	24.25	24.37	24.31	25.00	23.92	23.97
3GPP Rel 99	RMC 12.2Kbps	24.34	24.42	24.38	25.00	24.06	24.10
3GPP Rel 6	HSDPA Subtest-1	23.42	23.43	23.39	24.00	23.12	23.19
3GPP Rel 6	HSDPA Subtest-2	23.40	23.44	23.38	24.00	23.04	23.18
3GPP Rel 6	HSDPA Subtest-3	22.96	23.01	22.94	23.50	22.67	22.65
3GPP Rel 6	HSDPA Subtest-4	22.90	22.95	22.90	23.50	22.55	22.70
3GPP Rel 6	DC-HSDPA Subtest-1	23.37	23.34	23.29	24.00	23.01	23.06
3GPP Rel 6	DC-HSDPA Subtest-2	23.27	23.33	23.24	24.00	22.94	23.08
3GPP Rel 6	DC-HSDPA Subtest-3	22.88	22.86	22.87	23.50	22.55	22.64
3GPP Rel 6	DC-HSDPA Subtest-4	22.77	22.86	22.89	23.50	22.47	22.67
3GPP Rel 6	HSUPA Subtest-1	21.45	21.43	21.43	22.50	21.09	21.14
3GPP Rel 6	HSUPA Subtest-2	21.51	21.51	21.40	22.00	21.11	21.19
3GPP Rel 6	HSUPA Subtest-3	22.47	22.48	22.42	23.00	22.14	22.19
3GPP Rel 6	HSUPA Subtest-4	20.97	21.00	20.96	21.50	20.70	20.69
3GPP Rel 6	HSUPA Subtest-5	22.40	22.50	22.40	24.00	22.10	22.20
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.40	21.46	21.50	22.50	21.00	21.03

Band 2_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Tune-up freq. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.65	23.65	23.65			
20	QPSK	1	49	23.68	23.67	23.65	24.3	0	
20	QPSK	1	99	23.62	23.73	23.80			
20	QPSK	50	0	23.34	23.40	23.23	23.8	0.5	
20	QPSK	50	50	23.34	23.34	23.20			
20	QPSK	100	0	23.34	23.41	23.31			
20	16QAM	1	0	23.65	23.65	23.65			
20	16QAM	1	49	23.65	23.62	23.48	23.8	0.5	
20	16QAM	1	99	23.65	23.51	23.66			
20	16QAM	50	0	22.34	22.42	22.30	23.3	1	
20	16QAM	50	24	22.31	22.50	22.23			
20	16QAM	50	50	22.31	22.38	22.22			
20	16QAM	100	0	22.31	22.38	22.22			
20	64QAM	1	0	22.42	22.50	22.41	23.3	1	
20	64QAM	1	49	22.47	22.57	22.36			
20	64QAM	1	99	22.45	22.34	22.39			
20	64QAM	50	0	21.35	21.42	21.37	22.3	2	
20	64QAM	50	24	21.37	21.44	21.28			
20	64QAM	50	50	21.33	21.39	21.20			
20	64QAM	100	0	21.35	21.41	21.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.66	23.68	23.61	24.3	0	
15	QPSK	1	37	23.78	23.64	23.70			
15	QPSK	1	74	23.74	23.60	23.77			
15	QPSK	36	0	23.35	23.38	23.28	23.8	0.5	
15	QPSK	36	20	23.22	23.25	23.10			
15	QPSK	36	39	23.20	23.23	23.09			
15	QPSK	75	0	23.31	23.30	23.28	23.8	0.5	
15	16QAM	1	0	23.46	23.51	23.42			
15	16QAM	1	37	23.47	23.50	23.39	23.8	0.5	
15	16QAM	1	74	23.54	23.48	23.55			
15	16QAM	36	0	22.16	22.20	22.12	23.3	1	
15	16QAM	36	20	22.18	22.20	22.01			
15	16QAM	36	39	22.23	22.21	22.06			
15	16QAM	75	0	22.18	22.25	22.11	23.3	1	
15	EQAM	1	0	22.41	22.46	22.27	23.3	1	
15	EQAM	1	37	22.33	22.45	22.27			
15	EQAM	1	74	22.42	22.30	22.31			
15	EQAM	36	0	21.21	21.31	21.26	22.3	2	
15	EQAM	36	20	21.28	21.20	21.22			
15	EQAM	36	39	21.31	21.34	21.14			
15	EQAM	75	0	21.30	21.40	21.30	22.3	2	
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.81	23.84	23.76	24.3	0	
10	QPSK	1	25	23.87	23.85	23.80			
10	QPSK	1	49	23.71	23.65	23.76			
10	QPSK	25	0	23.20	23.28	23.28	23.8	0.5	
10	QPSK	25	12	23.20	23.36	23.18			
10	QPSK	25	25	23.21	23.27	23.07			
10	QPSK	50	0	23.33	23.33	23.18	23.8	0.5	
10	16QAM	1	0	23.47	23.61	23.36			
10	16QAM	1	25	23.47	23.51	23.38	23.8	0.5	
10	16QAM	1	49	23.45	23.40	23.51			
10	16QAM	25	0	22.29	22.27	22.13	23.3	1	
10	16QAM	25	12	22.23	22.39	22.10			
10	16QAM	25	25	22.20	22.20	22.17			
10	16QAM	50	0	22.16	22.20	22.18	23.3	1	
10	64QAM	1	0	22.35	22.38	22.29			
10	64QAM	1	25	22.37	22.47	22.28	23.3	1	
10	64QAM	1	49	22.35	22.32	22.24			
10	64QAM	25	0	21.23	21.32	21.24	22.3	2	
10	64QAM	25	12	21.26	21.30	21.07			
10	64QAM	50	0	21.23	21.27	21.11	22.3	2	
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.83	23.98	23.76	24.3	0	
5	QPSK	1	12	23.81	23.91	23.76			
5	QPSK	1	24	23.68	23.61	23.76			
5	QPSK	12	0	23.34	23.36	23.19	23.8	0.5	
5	QPSK	12	7	23.26	23.33	23.19			
5	QPSK	12	7	23.27	23.32	23.17			
5	QPSK	25	0	23.30	23.31	23.22	23.8	0.5	
5	16QAM	1	0	23.42	23.52	23.45			
5	16QAM	1	12	23.46	23.49	23.46	23.8	0.5	
5	16QAM	1	24	23.50	23.43	23.50			
5	16QAM	12	0	22.30	22.38	22.28	23.3	1	
5	16QAM	12	7	22.19	22.38	22.19			
5	16QAM	12	7	22.19	22.38	22.19			
5	16QAM	25	0	22.27	22.28	22.17	23.3	1	
5	64QAM	1	0	22.31	22.38	22.29			
5	64QAM	1	12	22.32	22.42	22.22	23.3	1	
5	64QAM	1	24	22.38	22.34	22.32			
5	64QAM	12	0	21.24	21.30	21.23	22.3	2	
5	64QAM	12	7	21.31	21.42	21.17			
5	64QAM	12	7	21.26	21.38	21.19			
5	64QAM	25	0	21.22	21.35	21.24	22.3	2	
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.63	23.34	23.77	24.3	0	
3	QPSK	1	8	23.74	23.91	23.71			
3	QPSK	1	14	23.81	23.68	23.79			
3	QPSK	8	0	23.22	23.38	23.18	23.8	0.5	
3	QPSK	8	4	23.22	23.32	23.11			
3	QPSK	8	7	23.24	23.20	23.15			
3	QPSK	15	0	23.26	23.40	23.22	23.8	0.5	
3	16QAM	1	0	23.45	23.63	23.45			
3	16QAM	1	8	23.48	23.51	23.33	23.8	0.5	
3	16QAM	1	14	23.46	23.48	23.50			
3	16QAM	8	0	22.24	22.33	22.31	23.3	1	
3	16QAM	8	4	22.27	22.27	22.16			
3	16QAM	8	7	22.21	22.28	22.05			
3	16QAM	15	0	22.26	22.36	22.18	23.3	1	
3	64QAM	1	0	22.28	22.36	22.18			
3	64QAM	1	8	22.42	22.30	22.34	23.3	1	
3	64QAM	1	14	22.33	22.34	22.25			
3	64QAM	8	0	21.20	21.38	21.29	22.3	2	
3	64QAM	8	4	21.24	21.37	21.15			
3	64QAM	8	7	21.19	21.33	21.09			
3	64QAM	15	0	21.31	21.27	21.14	22.3	2	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.68	23.84	23.53	24.3	0	
1.4	QPSK	1	3	23.65	23.83	23.52			
1.4	QPSK	1	5	23.63	23.84	23.53			
1.4	QPSK	3	0	23.68	23.81	23.56	23.8	0.5	
1.4	QPSK	3	1	23.66	23.78	23.52			
1.4	QPSK	3	3	23.65	23.82	23.54			
1.4	QPSK	6	0	23.16	23.30	23.24	23.8	0.5	
1.4	16QAM	1	3	23.34	23.40	23.35			
1.4	16QAM	1	5	23.33	23.54	23.33	23.8	0.5	
1.4	16QAM	3	0	23.25	23.29	23.26			
1.4	16QAM	3	1	23.22	23.30	23.22			
1.4	16QAM	3	3	23.30	23.28	23.26	23.3	1	
1.4	16QAM	6	0	22.21	22.27	22.11	23.3	1	
1.4	64QAM	1	3	22.29	22.29	22.14			
1.4	64QAM	1	5	22.28	22.23	22.15	23.3	1	
1.4	64QAM	3	0	22.26	22.25	22.15			
1.4	64QAM	3	1	22.26	22.24	22.08			
1.4	64QAM	3	3	22.21	22.28	22.12	22.3	2	
1.4	64QAM	6	0	21.17	21.25	21.03			

Band 2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Tune-up freq. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18600	19100			
20	QPSK	1	0	23.33	23.45	23.35			
20	QPSK	1	49	23.34	23.40	23.34	23.7	0	
20	QPSK	1	99	23.26	23.28	23.27			
20	QPSK	50	0	22.84	22.95	22.90			
20	QPSK	50	24	22.81	22.84	22.85	23.2	0.5	
20	QPSK	50	48	22.83	22.87	22.82			
20	QPSK	100	0	22.84	22.92	22.84			
20	16QAM	1	0	23.00	23.17	23.07			
20	16QAM	1	49	23.07	23.20	23.11	23.2	0.5	
20	16QAM	1	99	23.06	23.01	23.00			
20	16QAM	50	0	21.83	21.92	21.89			
20	16QAM	50	24	21.80	21.83	21.85	22.7	1	
20	16QAM	50	48	21.81	21.85	21.82			
20	16QAM	100	0	21.81	21.89	21.82			
20	64QAM	1	0	21.90	22.02	21.96			
20	64QAM	1	49	22.02	22.15	22.08	22.7		
20	64QAM	1	99	21.98	22.00	21.97			
20	64QAM	50	0	20.62	20.80	20.91			
20	64QAM	50	24	20.61	20.64	20.88	21.7	2	
20	64QAM	50	48	20.63	20.67	20.87			
20	64QAM	100	0	20.61	20.68	20.83			
Channel									
Frequency (MHz)				18675	18600	19125			
15	QPSK	1	0	23.24	23.38	23.21			
15	QPSK	1	49	23.23	23.37	23.20	23.7	0	
15	QPSK	1	94	23.15	23.18	23.16			
15	QPSK	36	0	22.77	22.91	22.85			
15	QPSK	36	36	22.77	22.79	22.87	23.2	0.5	
15	QPSK	36	39	22.81	22.76	22.76			
15	QPSK	75	0	22.71	22.78	22.83			
15	16QAM	1	0	22.97	23.12	22.95			
15	16QAM	1	49	22.90	23.03	22.91	23.2	0.5	
15	16QAM	1	94	23.01	22.96	22.97			
15	16QAM	36	0	21.73	21.81	21.73			
15	16QAM	36	36	21.73	21.76	21.81	22.7	1	
15	16QAM	36	39	21.70	21.81	21.76			
15	16QAM	75	0	21.69	21.79	21.74			
15	64QAM	1	0	21.78	21.95	21.84			
15	64QAM	1	49	21.86	22.00	21.90	22.7	1	
15	64QAM	1	94	21.84	21.95	21.91			
15	64QAM	36	0	20.70	20.77	20.85			
15	64QAM	36	36	20.70	20.73	20.87	21.7	2	
15	64QAM	36	39	20.72	20.80	20.87			
15	64QAM	75	0	20.70	20.77	20.87			
Channel									
Frequency (MHz)				18650	18500	19150			
10	QPSK	1	0	23.33	23.31	23.23			
10	QPSK	1	25	23.32	23.35	23.28	23.7	0	
10	QPSK	1	49	23.25	23.25	23.21			
10	QPSK	25	0	22.78	22.80	22.80			
10	QPSK	25	12	22.76	22.79	22.71	23.2	0.5	
10	QPSK	25	25	22.72	22.74	22.79			
10	QPSK	50	0	22.78	22.77	22.79			
10	16QAM	1	0	23.09	23.04	23.03			
10	16QAM	1	25	23.00	23.13	23.07	23.2	0.5	
10	16QAM	1	49	23.03	23.00	22.97			
10	16QAM	25	0	21.68	21.85	21.83			
10	16QAM	25	12	21.65	21.69	21.78	22.7	1	
10	16QAM	25	25	21.75	21.78	21.70			
10	16QAM	50	0	21.69	21.74	21.71			
10	64QAM	1	0	21.67	22.01	21.84			
10	64QAM	1	25	21.67	22.06	21.86	22.7		
10	64QAM	1	49	21.85	21.86	21.87			
10	64QAM	25	12	20.77	20.80	20.79	21.7	2	
10	64QAM	25	25	20.77	20.80	20.85			
10	64QAM	25	25	20.73	20.81	20.68			
10	64QAM	50	0	20.73	20.74	20.68			
Channel									
Frequency (MHz)				18625	18500	19175			
5	QPSK	1	0	23.28	23.31	23.24			
5	QPSK	1	12	23.31	23.26	23.19	23.7	0	
5	QPSK	1	24	23.25	23.21	23.12			
5	QPSK	12	0	22.75	22.87	22.81			
5	QPSK	12	7	22.73	22.87	22.73	23.2	0.5	
5	QPSK	12	13	22.78	22.82	22.75			
5	QPSK	25	0	22.98	22.94	22.94			
5	16QAM	1	0	22.92	23.08	22.96			
5	16QAM	1	12	23.00	23.08	23.04	23.2	0.5	
5	16QAM	1	24	23.04	22.98	22.87			
5	16QAM	12	0	21.70	21.89	21.77			
5	16QAM	12	7	21.76	21.87	21.72	22.7	1	
5	16QAM	12	13	21.69	21.77	21.78			
5	16QAM	25	0	21.68	21.85	21.73			
5	64QAM	1	0	21.68	22.01	21.86			
5	64QAM	1	12	21.67	22.06	21.84	22.7	1	
5	64QAM	1	24	21.83	21.94	21.80			
5	64QAM	12	0	20.78	20.84	20.78			
5	64QAM	12	7	20.70	20.80	20.75	21.7		
5	64QAM	12	13	20.66	20.78	20.71			
5	64QAM	25	0	20.73	20.73	20.70			
Channel									
Frequency (MHz)				18515 <th>18500</th> <th>1909.5<th></th><th></th><th></th></th>	18500	1909.5 <th></th> <th></th> <th></th>			
3	QPSK	1	0	23.23	23.43	23.32			
3	QPSK	1	6	23.26	23.29	23.27	23.7	0	
3	QPSK	1	12	23.18	23.20	23.21			
3	QPSK	8	0	22.75	22.88	22.80			
3	QPSK	8	4	22.68	22.86	22.72	23.2	0.5	
3	QPSK	8	7	22.76	22.78	22.78			
3	QPSK	16	0	22.85	23.05	22.91			
3	16QAM	1	0	22.99	23.16	23.01			
3	16QAM	1	6	22.97	23.13	23.00	23.2	0.5	
3	16QAM	1	12	23.08	22.99	22.96			
3	16QAM	8	0	21.74	21.96	21.76			
3	16QAM	8	4	21.66	21.89	21.75	22.7	1	
3	16QAM	8	7	21.69	21.77	21.81			
3	16QAM	16	0	21.66	21.74	21.68			
3	64QAM	1	0	21.77	21.87	21.68			
3	64QAM	1	6	21.85	22.12	21.96	22.7	1	
3	64QAM	1	12	21.78	21.89	21.82			
3	64QAM	8	0	20.78	20.84	20.75			
3	64QAM	8	4	20.72	20.89	20.81	21.7	2	
3	64QAM	8	7	20.74	20.89	20.74			
3	64QAM	16	0	20.73	20.73	20.70			
Channel									
Frequency (MHz)				18607	18500	19193			
1.4	QPSK	1	0	23.18	23.34	23.21			
1.4	QPSK	1	1	23.12	23.34	23.19			
1.4	QPSK	1	3	23.15	23.33	23.19	23.7	0	
1.4	QPSK	3	0	23.19	23.32	23.24			
1.4	QPSK	3	1	23.14	23.30	23.22			
1.4	QPSK	3	2	23.12	23.33	23.24			
1.4	QPSK	6	0	22.62	22.83	22.73	23.2	0.5	
1.4	16QAM	1	0	22.86	23.08	22.90			
1.4	16QAM	1	1	22.81	23.07	22.90			
1.4	16QAM	1	3	22.87	23.03	22.93	23.2	0.5	
1.4	16QAM	3	0	22.65	22.82	22.73			
1.4	16QAM	3	1	22.64	22.80	22.71			
1.4	16QAM	3	2	22.61	22.78	22.71			
1.4	16QAM	6	0	21.69	21.89	21.79	22.7	1	
1.4	64QAM	1	0	21.78	21.99	21.89			
1.4	64QAM	1	1	21.77	21.97	21.89			
1.4	64QAM	1	3	21.77	22.01	21.86	22.7	1	
1.4	64QAM	3	0	21.75	21.93	21.82			
1.4	64QAM	3	1	21.74	21.91	21.81			
1.4	64QAM	3	2	21.71	21.90	21.82			
1.4	64QAM	6	0	20.66	20.82	20.72	21.7		

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.53	22.56	22.55			
20	QPSK	1	49	22.65	22.62	22.57	22.9	0	
20	QPSK	1	99	22.55	22.58	22.50			
20	QPSK	50	24	22.12	22.15	22.07			
20	QPSK	50	50	22.02	22.06	22.00	22.4	0.5	
20	QPSK	100	0	22.06	22.11	22.03			
20	16QAM	1	0	22.53	22.54	22.56			
20	16QAM	1	49	22.37	22.34	22.33	22.4	0.5	
20	16QAM	1	99	22.16	22.22	22.19			
20	16QAM	50	0	21.09	21.07	21.07			
20	16QAM	50	24	21.10	21.09	21.06			
20	16QAM	50	50	21.03	21.06	21.00	21.9	1	
20	16QAM	100	0	21.05	21.05	21.01			
20	64QAM	1	0	21.26	21.22	21.27			
20	64QAM	1	49	21.26	21.33	21.20	21.9	1	
20	64QAM	1	99	21.08	21.10	21.04			
20	64QAM	50	0	20.12	20.08	20.09			
20	64QAM	50	24	20.11	20.09	20.08	20.9	2	
20	64QAM	50	50	20.03	20.05	20.01			
20	64QAM	100	0	20.08	20.08	20.05			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.53	22.56	22.55			
15	QPSK	1	37	22.53	22.59	22.45	22.9	0	
15	QPSK	1	74	22.42	22.57	22.36			
15	QPSK	36	0	22.12	22.12	22.04			
15	QPSK	36	20	22.01	21.95	21.96	22.4	0.5	
15	QPSK	36	39	22.01	22.08	21.92			
15	QPSK	75	0	21.83	21.98	21.84			
15	16QAM	1	0	22.24	22.25	22.32			
15	16QAM	1	37	22.22	22.37	22.22	22.4	0.5	
15	16QAM	1	74	22.11	22.23	22.14			
15	16QAM	36	0	21.04	21.05	21.06			
15	16QAM	36	20	21.02	20.95	20.97	21.9	1	
15	16QAM	36	39	21.02	21.04	20.93			
15	16QAM	75	0	20.96	20.96	20.98			
15	16QAM	75	0	21.19	21.18	21.25			
15	64QAM	1	37	21.12	21.29	21.17	21.9	1	
15	64QAM	1	74	20.99	20.97	20.97			
15	64QAM	36	0	20.91	20.93	20.96			
15	64QAM	36	20	20.90	20.98	20.94	20.9	2	
15	64QAM	36	39	20.94	20.97	20.97			
15	64QAM	75	0	20.03	20.07	20.09			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.54	22.52	22.48			
10	QPSK	1	25	22.53	22.58	22.54	22.9	0	
10	QPSK	25	0	22.51	22.54	22.43			
10	QPSK	25	0	22.07	22.17	21.97			
10	QPSK	25	12	22.11	22.01	21.96	22.4	0.5	
10	QPSK	25	25	21.90	21.97	21.98			
10	QPSK	50	0	21.95	21.97	21.95			
10	16QAM	1	0	22.22	22.20	22.37			
10	16QAM	1	25	22.23	22.34	22.19	22.4	0.5	
10	16QAM	1	49	22.01	22.17	22.15			
10	16QAM	25	0	20.98	20.96	21.06			
10	16QAM	25	12	21.02	20.95	21.01	21.9	1	
10	16QAM	25	25	21.02	20.97	20.96			
10	16QAM	50	0	20.95	20.98	20.98			
10	64QAM	1	0	21.18	21.09	21.16			
10	64QAM	1	25	21.23	21.20	21.18	21.9	1	
10	64QAM	1	49	21.09	20.94	20.94			
10	64QAM	25	0	20.02	20.00	19.99			
10	64QAM	25	12	19.99	19.97	19.97	20.9	2	
10	64QAM	25	25	19.98	19.94	19.97			
10	64QAM	50	0	20.04	20.00	19.99			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.65	22.62	22.48			
5	QPSK	1	12	22.58	22.61	22.45	22.9	0	
5	QPSK	1	24	22.51	22.45	22.43			
5	QPSK	12	0	22.08	22.14	22.03			
5	QPSK	12	7	22.08	22.05	22.05	22.4	0.5	
5	QPSK	12	14	22.01	21.96	21.96			
5	QPSK	25	0	21.96	22.00	21.89			
5	16QAM	1	0	22.20	22.28	22.30			
5	16QAM	1	12	22.17	22.25	22.11	22.4	0.5	
5	16QAM	1	24	22.05	22.16	22.11			
5	16QAM	12	0	21.07	21.02	21.05			
5	16QAM	12	7	21.09	20.95	20.97	21.9	1	
5	16QAM	12	14	21.03	21.00	21.00			
5	16QAM	25	0	20.92	20.94	21.06			
5	64QAM	1	0	21.17	21.15	21.24			
5	64QAM	1	12	21.11	21.31	21.15	21.9	1	
5	64QAM	1	24	21.04	21.09	20.93			
5	64QAM	12	0	20.06	19.98	19.97			
5	64QAM	12	7	20.10	19.95	19.97	20.9	2	
5	64QAM	12	14	20.05	19.95	19.98			
5	64QAM	25	0	19.99	19.98	20.04			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.51	22.55	22.47			
3	QPSK	1	8	22.51	22.55	22.44	22.9	0	
3	QPSK	1	14	22.46	22.45	22.39			
3	QPSK	8	0	22.06	22.04	22.09			
3	QPSK	8	4	22.11	22.04	21.99	22.4	0.5	
3	QPSK	8	7	21.93	21.91	21.86			
3	QPSK	15	0	22.05	22.10	21.95			
3	16QAM	1	0	22.23	22.23	22.33			
3	16QAM	1	8	22.27	22.30	22.31	22.4	0.5	
3	16QAM	1	14	22.12	22.21	22.17			
3	16QAM	8	0	20.97	21.04	20.99			
3	16QAM	8	4	20.96	21.06	20.93	21.9	1	
3	16QAM	8	7	20.91	21.05	20.90			
3	16QAM	15	0	20.94	21.03	21.00			
3	64QAM	1	0	21.14	21.09	21.20	21.5	1	
3	64QAM	1	8	21.18	21.19	21.13			
3	64QAM	1	14	21.03	20.97	20.90			
3	64QAM	8	0	20.07	19.95	20.00			
3	64QAM	8	4	20.00	20.07	20.00	20.9	2	
3	64QAM	8	7	19.94	20.07	19.98			
3	64QAM	15	0	20.02	20.05	20.04			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.57	22.54	22.50			
1.4	QPSK	1	3	22.54	22.51	22.44	22.9	0	
1.4	QPSK	1	5	22.52	22.53	22.47			
1.4	QPSK	3	0	22.04	22.00	22.47			
1.4	QPSK	3	3	22.55	22.53	22.47	22.4	0.5	
1.4	QPSK	6	0	22.06	22.01	21.95			
1.4	16QAM	1	0	22.25	22.20	22.30			
1.4	16QAM	1	3	22.26	22.31	22.20	22.4	0.5	
1.4	16QAM	1	5	22.22	22.31	22.24			
1.4	16QAM	3	0	22.04	22.02	21.96			
1.4	16QAM	3	1	22.03	22.05	21.96			
1.4	16QAM	3	3	22.01	22.02	21.94	21.9	1	
1.4	64QAM	1	0	21.11	21.09	21.02	21.9	1	
1.4	64QAM	1	3	21.24	21.29	21.15			
1.4	64QAM	1	5	21.17	21.23	21.16			
1.4	64QAM	3	0	21.18	21.14	21.07			
1.4	64QAM	3	1	21.16	21.12	21.06			
1.4	64QAM	3	3	21.16	21.14	21.04	20.9	2	
1.4	64QAM	5	0	20.03	20.02	19.94			

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				20450	20525	20600			
				820	836	844			
10	QPSK	1	0	23.80	23.85	23.82			
10	QPSK	1	25	23.78	23.73	23.67	24.8	0	
10	QPSK	1	49	23.74	23.75	23.74			
10	QPSK	25	0	22.33	22.35	22.28			
10	QPSK	25	12	22.25	22.26	22.26	23.8	1	
10	QPSK	25	25	22.28	22.27	22.19			
10	QPSK	50	0	22.25	22.30	22.21			
10	16QAM	1	0	22.60	22.60	22.61			
10	16QAM	1	25	22.63	22.56	22.43	23.8	1	
10	16QAM	1	49	22.54	22.54	22.52			
10	16QAM	25	0	21.34	21.22	21.25			
10	16QAM	25	12	21.34	21.24	21.20	22.8	2	
10	16QAM	25	25	21.22	21.13	21.09			
10	16QAM	50	0	21.46	21.25	21.21			
10	64QAM	1	0	21.39	21.44	21.45			
10	64QAM	1	25	21.38	21.38	21.35	22.8	2	
10	64QAM	1	49	21.44	21.42	21.42			
10	64QAM	25	0	20.36	20.23	20.24			
10	64QAM	25	12	20.34	20.26	20.19	21.8	3	
10	64QAM	25	25	20.29	20.27	20.19			
10	64QAM	50	0	20.34	20.23	20.20			
Channel									
Frequency (MHz)									
				20450	20525	20600			
				820	836	843			
5	QPSK	1	0	23.67	23.73	23.63			
5	QPSK	1	12	23.61	23.61	23.68	24.8	0	
5	QPSK	1	24	23.61	23.61	23.60			
5	QPSK	1	36	22.18	22.18	22.18	23.8	1	
5	QPSK	12	7	22.13	22.14	22.11			
5	QPSK	12	13	22.17	22.23	22.13	23.8	1	
5	QPSK	25	0	22.20	22.25	22.20			
5	16QAM	1	0	22.17	22.17	22.17	23.8	1	
5	16QAM	1	12	22.08	22.01	22.20			
5	16QAM	1	24	22.24	22.39	22.38			
5	16QAM	12	6	21.28	21.21	21.11	22.8	2	
5	16QAM	12	7	21.27	21.13	21.19			
5	16QAM	12	13	21.17	21.20	21.09	22.8	2	
5	64QAM	1	0	21.29	21.17	21.17			
5	64QAM	1	12	21.38	21.34	21.35	21.8	3	
5	64QAM	1	12	21.46	21.32	21.25	22.8	2	
5	64QAM	1	24	21.41	21.34	21.31			
5	64QAM	12	0	20.24	20.26	20.17			
5	64QAM	12	20	20.32	20.23	20.18	21.8	3	
5	64QAM	12	20	20.32	20.23	20.18			
5	64QAM	12	13	20.26	20.15	20.07			
5	64QAM	25	0	20.26	20.16	20.11			
Channel									
Frequency (MHz)									
				20505	20535	20565			
				836	856	875			
3	QPSK	1	0	23.75	23.73	23.69			
3	QPSK	1	8	23.72	23.69	23.56	24.8	0	
3	QPSK	1	14	23.71	23.72	23.71			
3	QPSK	8	0	22.23	22.21	22.16			
3	QPSK	8	4	22.26	22.21	22.16	23.8	1	
3	QPSK	8	7	22.25	22.20	22.05			
3	QPSK	12	0	22.20	22.21	22.16			
3	16QAM	1	0	22.59	22.50	22.53			
3	16QAM	1	8	22.61	22.43	22.28	23.8	1	
3	16QAM	1	14	22.50	22.48	22.38			
3	16QAM	8	0	21.29	21.19	21.14			
3	16QAM	8	4	21.29	21.17	21.16	22.8	2	
3	16QAM	8	7	21.15	21.23	21.04			
3	16QAM	15	0	21.20	21.14	21.04	22.8	2	
3	64QAM	1	0	21.36	21.30	21.35			
3	64QAM	1	8	21.48	21.31	21.31	22.8	2	
3	64QAM	14	0	21.29	21.13	21.11			
3	64QAM	8	0	20.34	20.20	20.22			
3	64QAM	8	4	20.29	20.10	20.14	21.8	3	
3	64QAM	8	7	20.34	20.12	20.09			
3	64QAM	15	0	20.32	20.16	20.09			
Channel									
Frequency (MHz)									
				824.7	836.5	848.3			
1.4	QPSK	1	0	23.81	23.75	23.66			
1.4	QPSK	3	0	23.78	23.74	23.75	24.8	0	
1.4	QPSK	1	0	23.75	23.74	23.70			
1.4	QPSK	3	0	23.77	23.72	23.68			
1.4	QPSK	3	0	23.80	23.72	23.70			
1.4	QPSK	3	0	23.79	23.72	23.72			
1.4	QPSK	6	0	22.28	22.21	22.17	23.8	1	
1.4	16QAM	1	0	22.55	22.51	22.39			
1.4	16QAM	1	0	22.50	22.51	22.42			
1.4	16QAM	3	0	22.52	22.51	22.41	23.8	1	
1.4	16QAM	3	0	22.28	22.20	22.13			
1.4	16QAM	3	0	22.27	22.18	22.17			
1.4	16QAM	6	0	21.48	21.28	21.27	22.8	2	
1.4	64QAM	1	0	21.34	21.46	21.35			
1.4	64QAM	1	0	21.40	21.34	21.40	21.8	3	
1.4	64QAM	1	5	21.45	21.42	21.34			
1.4	64QAM	3	0	21.40	21.32	21.28	22.8	2	
1.4	64QAM	3	1	21.38	21.29	21.29			
1.4	64QAM	3	1	21.38	21.33	21.29	21.8	3	
1.4	64QAM	6	0	20.24	20.19	20.18	21.8	3	

Band 7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limt (dBm)	MPR (dB)
Channel				20850	21100	21350	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	21.00	23.00	23.00	23.5	0
20	QPSK	1	49	22.90	23.04	23.04		
20	QPSK	1	99	22.91	23.00	23.05		
20	QPSK	50	0	21.66	21.88	21.90	22.5	1
20	QPSK	50	24	21.78	21.85	21.89		
20	QPSK	50	50	21.71	21.85	21.87		
20	QPSK	100	0	21.80	21.90	21.85	22.5	1
20	16QAM	1	0	21.80	22.00	22.00		
20	16QAM	1	49	21.97	22.10	22.12		
20	16QAM	1	99	22.02	22.12	22.11	21.5	2
20	16QAM	50	0	20.61	20.77	20.83		
20	16QAM	50	24	20.67	20.81	20.91		
20	16QAM	50	50	20.71	20.85	20.86	21.5	2
20	16QAM	100	0	20.65	20.80	20.84		
20	64QAM	1	0	20.90	20.97	20.95		
20	64QAM	1	49	20.86	20.98	21.03		
20	64QAM	1	99	20.93	20.99	21.04		
20	64QAM	50	0	19.61	19.75	19.83	20.5	3
20	64QAM	50	24	19.68	19.84	19.98		
20	64QAM	50	50	19.71	19.83	19.86		
20	64QAM	100	0	19.66	19.82	19.85	Tune-up limt (dBm)	MPR (dB)
Channel				20825	21100	21375		
Frequency (MHz)				20825	21100	21375	Tune-up limt (dBm)	MPR (dB)
15	QPSK	1	0	22.06	23.05	23.00		
15	QPSK	1	37	22.83	22.94	22.93	23.5	0
15	QPSK	1	74	22.76	22.80	22.93		
15	QPSK	36	0	21.73	21.83	21.87		
15	QPSK	36	20	21.65	21.78	21.88	22.5	1
15	QPSK	36	39	21.62	21.82	21.80		
15	QPSK	78	0	21.01	21.80	21.80		
15	16QAM	1	0	21.79	21.88	21.98	22.5	1
15	16QAM	1	37	21.85	22.07	22.04		
15	16QAM	1	74	21.99	21.97	22.01		
15	16QAM	50	0	20.60	20.64	20.76	21.5	2
15	16QAM	36	20	20.66	20.74	20.84		
15	16QAM	36	39	20.63	20.79	20.87		
15	16QAM	78	0	20.61	20.67	20.76	21.5	2
15	64QAM	1	0	20.89	20.82	20.79		
15	64QAM	1	37	20.83	20.87	20.88		
15	64QAM	1	74	20.79	20.86	20.99	20.5	3
15	64QAM	36	0	19.60	19.77	19.72		
15	64QAM	36	20	19.60	19.71	19.77		
15	64QAM	36	39	19.66	19.78	19.84	Tune-up limt (dBm)	MPR (dB)
15	64QAM	78	0	19.63	19.74	19.73		
Channel				20803	21100	21400	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20803	21100	21400		
10	QPSK	1	0	22.08	23.00	22.96	23.5	0
10	QPSK	1	25	22.89	23.03	22.91		
10	QPSK	1	49	22.83	22.97	22.98		
10	QPSK	25	0	21.78	21.88	21.91	22.5	1
10	QPSK	25	12	21.67	21.77	21.75		
10	QPSK	25	25	21.56	21.80	21.72		
10	QPSK	50	0	21.09	21.87	21.78	22.5	1
10	16QAM	1	0	21.89	21.83	22.01		
10	16QAM	1	25	21.94	22.04	22.08		
10	16QAM	1	49	22.01	21.98	22.10	21.5	2
10	16QAM	25	0	20.49	20.64	20.78		
10	16QAM	25	12	20.44	20.76	20.81		
10	16QAM	25	25	20.68	20.83	20.79	21.5	2
10	16QAM	50	0	20.56	20.70	20.83		
10	64QAM	1	0	20.79	20.79	20.84		
10	64QAM	1	25	20.79	20.83	20.89	21.5	2
10	64QAM	1	49	20.82	20.88	20.94		
10	64QAM	25	0	19.55	19.68	19.78		
10	64QAM	25	12	19.63	19.80	19.75	20.5	3
10	64QAM	25	25	19.70	19.70	19.76		
10	64QAM	50	0	19.55	19.70	19.81		
Channel				20775	21100	21425	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	22.82	23.00	23.00	23.5	0
5	QPSK	1	12	22.88	22.97	22.97		
5	QPSK	1	24	22.76	22.86	22.91		
5	QPSK	12	0	21.84	21.93	21.93	22.5	1
5	QPSK	12	7	21.75	21.81	21.84		
5	QPSK	12	13	21.65	21.76	21.81		
5	QPSK	25	0	21.73	21.80	21.76	22.5	1
5	16QAM	1	0	21.78	21.94	22.02		
5	16QAM	1	12	21.91	22.07	22.04		
5	16QAM	1	24	21.87	22.00	22.03	21.5	2
5	16QAM	12	0	20.52	20.67	20.72		
5	16QAM	12	7	20.62	20.69	20.80		
5	16QAM	12	13	20.62	20.84	20.83	21.5	2
5	16QAM	25	0	20.58	20.74	20.82		
5	64QAM	1	0	20.80	20.72	20.88		
5	64QAM	1	12	20.82	20.80	20.92	21.5	2
5	64QAM	1	24	20.92	20.87	20.98		
5	64QAM	12	0	19.59	19.70	19.79		
5	64QAM	12	7	19.58	19.73	19.80	20.5	3
5	64QAM	12	13	19.62	19.74	19.82		
5	64QAM	25	0	19.57	19.71	19.74		

Band 7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limt (dBm)	MPR (dB)
Channel				20850	21100	21350	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20850	21100	21350		
20	QPSK	1	0	22.28	22.35	22.31	23	0
20	QPSK	1	49	22.21	22.20	22.29		
20	QPSK	1	99	22.15	22.18	22.30	22	1
20	QPSK	50	0	21.10	21.18	21.13		
20	QPSK	50	24	21.00	21.00	21.11	21	2
20	QPSK	50	50	20.97	21.02	21.08		
20	16QAM	1	0	21.08	21.17	21.19	21	2
20	16QAM	1	49	21.28	21.28	21.33		
20	16QAM	1	99	21.24	21.26	21.41	21	2
20	16QAM	50	0	19.95	19.98	20.04		
20	16QAM	50	24	19.88	19.98	20.12	20	3
20	16QAM	50	50	19.98	20.03	20.12		
20	16QAM	100	0	19.96	19.97	20.06	20	3
20	64QAM	1	0	19.99	20.11	20.10		
20	64QAM	1	49	20.15	20.19	20.27	21	2
20	64QAM	1	99	20.13	20.17	20.29		
20	64QAM	50	0	18.95	18.96	19.04	21	2
20	64QAM	50	24	18.90	19.00	19.11		
20	64QAM	50	50	18.97	19.02	19.12	20	3
20	64QAM	100	0	18.96	18.98	19.07		
Channel				20825	21100	21375	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20825	21100	21375		
15	QPSK	1	0	22.21	22.31	22.26	23	0
15	QPSK	1	37	22.08	22.18	22.18		
15	QPSK	1	74	22.04	22.13	22.17	22	1
15	QPSK	36	0	21.02	21.08	21.02		
15	QPSK	36	20	20.95	20.94	21.01	21	2
15	QPSK	36	39	20.92	21.01	21.00		
15	QPSK	78	0	20.90	21.10	21.09	22	1
15	16QAM	1	0	21.05	21.13	21.18		
15	16QAM	1	37	21.20	21.15	21.22	21	2
15	16QAM	1	74	21.14	21.21	21.35		
15	16QAM	50	0	19.83	19.96	19.96	21	2
15	16QAM	36	20	19.95	19.95	20.05		
15	16QAM	36	39	19.89	19.99	20.07	21	2
15	16QAM	78	0	19.88	19.90	19.93		
15	16QAM	50	24	19.90	19.99	20.10	21	2
15	16QAM	1	37	20.13	20.11	20.25		
15	16QAM	1	74	20.07	20.06	20.21	21	2
15	16QAM	36	0	18.81	18.92	18.95		
15	16QAM	36	20	18.85	18.95	19.05	20	3
15	16QAM	36	39	18.92	18.93	18.97		
15	64QAM	78	0	18.86	18.92	18.94	20	3
15	64QAM	78	0	18.80	18.86	18.90		
Channel				20800	21100	21400	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20800	21100	21400		
10	QPSK	1	0	22.23	22.34	22.28	23	0
10	QPSK	1	26	22.17	22.27	22.17		
10	QPSK	1	49	22.12	22.16	22.25	22	1
10	QPSK	12	0	20.99	20.99	20.98		
10	QPSK	12	20	20.92	20.99	21.04	22	1
10	QPSK	25	0	20.85	21.02	21.07		
10	QPSK	50	0	21.02	21.06	21.07	21	2
10	16QAM	1	26	21.20	21.25	21.30		
10	16QAM	1	49	21.20	21.25	21.30	21	2
10	16QAM	12	0	19.94	19.98	19.99		
10	16QAM	25	12	19.83	19.87	20.01	21	2
10	16QAM	25	26	19.81	19.92	20.05		
10	16QAM	50	0	19.83	19.93	19.94	21	2
10	16QAM	1	26	19.92	20.01	20.05		
10	16QAM	1	26	20.12	20.09	20.20	21	2
10	16QAM	1	49	20.14	20.14	20.23		
10	16QAM	25	0	19.84	19.87	19.92	20	3
10	16QAM	25	12	18.88	18.95	19.08		
10	16QAM	25	26	18.86	18.96	19.05	20	3
10	64QAM	50	0	18.96	19.00	19.04		
Channel				20775	21100	21425	Tune-up limt (dBm)	MPR (dB)
Frequency (MHz)				20775	21100	21425		
5	QPSK	1	0	22.52	22.58	22.59	23	0
5	QPSK	1	12	22.10	22.05	22.16		
5	QPSK	1	24	22.14	22.16	22.19	22	1
5	QPSK	12	0	21.08	21.14	21.04		
5	QPSK	12	7	20.92	20.87	20.97	21	2
5	QPSK	25	0	20.86	20.92	21.02		
5	QPSK	25	7	20.94	21.09	21.07	22	1
5	16QAM	1	0	21.03	21.05	21.10		
5	16QAM	1	12	21.19	21.18	21.26	21	2
5	16QAM	12	0	21.17	21.16	21.30		
5	16QAM	12	0	19.89	19.89	19.96	21	2
5	16QAM	12	7	19.85	19.95	20.10		
5	16QAM	12	14	19.84	19.96	20.08	21	2
5	16QAM	25	0	19.90	19.92	20.03		
5	16QAM	1	0	19.92	20.02	19.98	20	3
5	16QAM	1	12	20.01	20.04	20.17		
5	16QAM	1	24	20.12	20.14	20.25	20	3
5	64QAM	12	0	18.80	18.80	18.91		
5	64QAM	12	7	18.84	18.84	19.03	20	3
5	64QAM	12	14	18.80	18.86	18.91		
5	64QAM	25	0	18.93	18.91	18.92	20	3
5	64QAM	25	7	18.93	18.91	18.92		

Band 13_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.86	23.86	23.86	24.8	0
10	QPSK	1	25	23.93	23.93	23.93	24.8	0
10	QPSK	1	49	23.94	23.94	23.94	24.8	0
10	QPSK	25	0	22.37	22.37	22.37	23.8	1
10	QPSK	25	12	22.45	22.45	22.45	23.8	1
10	QPSK	25	25	22.41	22.41	22.41	23.8	1
10	QPSK	50	0	22.42	22.42	22.42	23.8	1
10	16QAM	1	0	22.66	22.66	22.66	22.8	2
10	16QAM	1	25	22.71	22.71	22.71	22.8	2
10	16QAM	1	49	22.71	22.71	22.71	22.8	2
10	16QAM	25	0	21.45	21.45	21.45	21.8	3
10	16QAM	25	12	21.43	21.43	21.43	21.8	3
10	16QAM	25	25	21.39	21.39	21.39	21.8	3
10	16QAM	50	0	21.45	21.45	21.45	21.8	3
10	64QAM	1	0	21.58	21.58	21.58	21.8	3
10	64QAM	1	25	21.54	21.54	21.54	21.8	3
10	64QAM	1	49	21.59	21.59	21.59	21.8	3
10	64QAM	25	0	20.39	20.39	20.39	21.8	3
10	64QAM	25	12	20.40	20.40	20.40	21.8	3
10	64QAM	25	25	20.41	20.41	20.41	21.8	3
10	64QAM	50	0	20.41	20.41	20.41	21.8	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.86	23.86	23.86	24.8	0
5	QPSK	1	12	23.86	23.86	23.86	24.8	0
5	QPSK	1	24	23.86	23.86	23.86	24.8	0
5	QPSK	12	0	22.37	22.37	22.37	23.8	1
5	QPSK	12	7	22.39	22.39	22.39	23.8	1
5	QPSK	12	13	22.34	22.34	22.34	23.8	1
5	QPSK	25	0	22.37	22.37	22.37	23.8	1
5	16QAM	1	0	22.63	22.63	22.63	22.8	2
5	16QAM	1	12	22.61	22.61	22.61	22.8	2
5	16QAM	1	24	22.62	22.62	22.62	22.8	2
5	16QAM	12	0	21.34	21.34	21.34	21.8	3
5	16QAM	12	7	21.39	21.39	21.39	21.8	3
5	16QAM	12	13	21.31	21.31	21.31	21.8	3
5	16QAM	25	0	21.38	21.38	21.38	21.8	3
5	16QAM	25	12	21.47	21.47	21.47	21.8	3
5	16QAM	25	25	21.45	21.45	21.45	21.8	3
5	16QAM	50	0	21.45	21.45	21.45	21.8	3
5	64QAM	1	0	21.47	21.47	21.47	21.8	3
5	64QAM	1	12	21.46	21.46	21.46	21.8	3
5	64QAM	1	24	21.51	21.51	21.51	21.8	3
5	64QAM	12	0	20.30	20.30	20.30	21.8	3
5	64QAM	12	7	20.30	20.30	20.30	21.8	3
5	64QAM	12	13	20.40	20.40	20.40	21.8	3
5	64QAM	25	0	20.33	20.33	20.33	21.8	3

Band 13_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.93	23.93	23.93	24.5	0
10	QPSK	1	25	23.95	23.95	23.95	24.5	0
10	QPSK	1	49	23.96	23.96	23.96	24.5	0
10	QPSK	25	0	22.51	22.51	22.51	23.5	1
10	QPSK	25	12	22.45	22.45	22.45	23.5	1
10	QPSK	25	25	22.44	22.44	22.44	23.5	1
10	QPSK	50	0	22.45	22.45	22.45	23.5	1
10	16QAM	1	0	22.70	22.70	22.70	22.5	2
10	16QAM	1	25	22.69	22.69	22.69	22.5	2
10	16QAM	1	49	22.71	22.71	22.71	22.5	2
10	16QAM	25	0	21.42	21.42	21.42	21.5	3
10	16QAM	25	12	21.45	21.45	21.45	21.5	3
10	16QAM	25	25	21.44	21.44	21.44	21.5	3
10	16QAM	50	0	21.45	21.45	21.45	21.5	3
10	64QAM	1	0	21.59	21.59	21.59	21.5	3
10	64QAM	1	25	21.57	21.57	21.57	21.5	3
10	64QAM	1	49	21.61	21.61	21.61	21.5	3
10	64QAM	25	0	20.43	20.43	20.43	21.5	3
10	64QAM	25	12	20.43	20.43	20.43	21.5	3
10	64QAM	25	25	20.43	20.43	20.43	21.5	3
10	64QAM	50	0	20.45	20.45	20.45	21.5	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.95	23.95	23.95	24.5	0
5	QPSK	1	12	23.94	23.94	23.94	24.5	0
5	QPSK	1	24	23.85	23.85	23.85	24.5	0
5	QPSK	12	0	22.38	22.38	22.38	23.5	1
5	QPSK	12	7	22.36	22.36	22.36	23.5	1
5	QPSK	12	13	22.38	22.38	22.38	23.5	1
5	QPSK	25	0	22.30	22.30	22.30	23.5	1
5	16QAM	1	0	22.61	22.61	22.61	22.5	2
5	16QAM	1	12	22.59	22.59	22.59	22.5	2
5	16QAM	1	24	22.60	22.60	22.60	22.5	2
5	16QAM	12	0	21.37	21.37	21.37	21.5	3
5	16QAM	12	7	21.44	21.44	21.44	21.5	3
5	16QAM	12	13	21.38	21.38	21.38	21.5	3
5	16QAM	25	0	21.36	21.36	21.36	21.5	3
5	16QAM	25	12	21.45	21.45	21.45	21.5	3
5	16QAM	25	25	21.45	21.45	21.45	21.5	3
5	16QAM	50	0	21.45	21.45	21.45	21.5	3
5	64QAM	1	0	21.45	21.45	21.45	21.5	3
5	64QAM	1	12	21.45	21.45	21.45	21.5	3
5	64QAM	1	24	21.48	21.48	21.48	21.5	3
5	64QAM	12	0	20.31	20.31	20.31	21.5	3
5	64QAM	12	7	20.32	20.32	20.32	21.5	3
5	64QAM	12	13	20.31	20.31	20.31	21.5	3
5	64QAM	25	0	20.36	20.36	20.36	21.5	3

Band 17_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	23.84	23.84	23.84	24.8	0
10	QPSK	1	25	23.84	23.84	23.84	24.8	0
10	QPSK	1	49	23.82	23.82	23.82	24.8	0
10	QPSK	25	0	22.18	22.18	22.18	23.8	1
10	QPSK	25	12	22.16	22.16	22.16	23.8	1
10	QPSK	25	25	22.17	22.17	22.17	23.8	1
10	QPSK	50	0	22.18	22.18	22.18	23.8	1
10	16QAM	1	0	22.41	22.41	22.41	22.8	2
10	16QAM	1	25	22.43	22.43	22.43	22.8	2
10	16QAM	1	49	22.40	22.40	22.40	22.8	2
10	16QAM	25	0	21.17	21.17	21.17	21.8	3
10	16QAM	25	12	21.13	21.13	21.13	21.8	3
10	16QAM	25	25	21.15	21.15	21.15	21.8	3
10	16QAM	50	0	21.15	21.15	21.15	21.8	3
10	64QAM	1	0	21.23	21.23	21.23	21.8	3
10	64QAM	1	25	21.33	21.33	21.33	21.8	3
10	64QAM	1	49	21.42	21.42	21.42	21.8	3
10	64QAM	25	0	20.16	20.16	20.16	21.8	3
10	64QAM	25	12	20.10	20.10	20.10	21.8	3
10	64QAM	25	25	20.12	20.12	20.12	21.8	3
10	64QAM	50	0	20.14	20.14	20.14	21.8	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.71	23.71	23.71	24.8	0
5	QPSK	1	12	23.67	23.67	23.67	24.8	0
5	QPSK	1	24	23.67	23.67	23.67	24.8	0
5	QPSK	12	0	22.05	22.05	22.05	23.8	1
5	QPSK	12	7	22.14	22.14	22.14	23.8	1
5	QPSK	12	13	22.04	22.04	22.04	23.8	1
5	QPSK	25	0	22.12	22.12	22.12	23.8	1
5	16QAM	1	0	22.37	22.37	22.37	22.8	2
5	16QAM	1	12	22.39	22.39	22.39	22.8	2
5	16QAM	1	24	22.56	22.56	22.56	22.8	2
5	16QAM	12	0	21.09	21.09	21.09	21.8	3
5	16QAM	12	7	21.02	21.02	21.02	21.8	3
5	16QAM	12	13	21.05	21.05	21.05	21.8	3
5	16QAM	25	0	21.00	21.00	21.00	21.8	3
5	16QAM	25	12	21.17	21.17	21.17	21.8	3
5	16QAM	25	25	21.19	21.19	21.19	21.8	3
5	16QAM	50	0	21.13	21.13	21.13	21.8	3
5	64QAM	1	0	20.15	20.15	20.15	21.8	3
5	64QAM	1	12	20.01	20.01	20.01	21.8	3
5	64QAM	1	24	20.01	20.01	20.01	21.8	3
5	64QAM	12	0	20.09	20.09	20.09	21.8	3
5	64QAM	12	7	20.09	20.09	20.09	21.8	3
5	64QAM	12	13	20.01	20.01	20.01	21.8	3
5	64QAM	25	0	20.09	20.09	20.09	21.8	3

Band 26_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel				26765	26865	26965						
Frequency (MHz)				831.5	831.5	841.5						
15	QPSK	1	0	23.72	23.68	23.83	24.8	0				
15	QPSK	1	37	23.84	23.84	23.79						
15	QPSK	1	74	23.82	23.79	23.71						
15	QPSK	36	0	22.62	22.62	22.62						
15	QPSK	36	20	22.80	22.81	22.78						
15	QPSK	36	39	22.80	22.82	22.72	23.8	1				
15	QPSK	75	0	22.78	22.86	22.77						
15	16QAM	1	0	23.12	23.03	23.08						
15	16QAM	1	37	23.10	23.10	23.04						
15	16QAM	1	74	23.05	23.01	22.96						
15	16QAM	36	20	21.83	21.81	21.77	22.8	2				
15	16QAM	36	39	21.85	21.83	21.77						
15	16QAM	75	0	21.86	21.83	21.78						
15	16QAM	75	20	20.87	20.85	20.79						
15	64QAM	1	37	22.03	21.98	21.90						
15	64QAM	1	74	21.95	21.89	21.85	22.8	2				
15	64QAM	36	0	20.85	20.83	20.79						
15	64QAM	36	20	20.87	20.86	20.78						
15	64QAM	36	39	20.83	20.83	20.75						
15	64QAM	75	0	20.83	20.80	20.75						
Channel				26740	26865	26960	Turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				819	831.5	844						
10	QPSK	1	0	23.74	23.74	23.80	24.8	0				
10	QPSK	1	25	23.74	23.72	23.76						
10	QPSK	1	49	23.80	23.71	23.69						
10	QPSK	25	0	22.71	22.70	22.72						
10	QPSK	25	12	22.73	22.79	22.73						
10	QPSK	25	29	22.69	22.81	22.65	23.8	1				
10	QPSK	36	0	22.66	22.66	22.66						
10	16QAM	1	0	23.03	23.02	22.98						
10	16QAM	1	25	23.07	23.01	22.93						
10	16QAM	1	49	22.93	22.92	22.81						
10	16QAM	36	0	21.74	21.68	21.68	22.8	2				
10	16QAM	36	25	21.76	21.74	21.69						
10	16QAM	25	12	21.76	21.73	21.67						
10	16QAM	75	0	21.73	21.77	21.68						
10	64QAM	1	0	21.84	21.87	21.94						
10	64QAM	1	25	21.88	21.83	21.84	22.8	2				
10	64QAM	1	49	21.92	21.87	21.74						
10	64QAM	36	0	20.78	20.78	20.67						
10	64QAM	36	25	20.78	20.82	20.63						
10	64QAM	25	12	20.78	20.82	20.63						
10	64QAM	25	29	20.77	20.79	20.69	21.8	3				
10	64QAM	75	0	20.80	20.78	20.67						
Channel				26715	26865	27015				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5						
5	QPSK	1	0	23.84	23.79	23.80	24.8	0				
5	QPSK	1	12	23.83	23.73	23.73						
5	QPSK	12	25	23.76	23.76	23.76						
5	QPSK	12	0	22.79	22.79	22.72						
5	QPSK	12	7	22.76	22.68	22.68						
5	QPSK	12	13	22.79	22.72	22.70	23.8	1				
5	QPSK	25	0	22.67	22.81	22.67						
5	16QAM	1	0	23.08	22.84	22.93						
5	16QAM	1	12	22.99	23.00	23.02						
5	16QAM	1	24	22.96	22.97	22.96						
5	16QAM	12	0	21.82	21.77	21.82	22.8	2				
5	16QAM	12	7	21.76	21.81	21.72						
5	16QAM	12	13	21.66	21.79	21.81						
5	16QAM	25	0	21.73	21.68	21.76						
5	64QAM	1	0	21.91	21.80	21.91						
5	64QAM	1	12	22.01	21.95	21.82	22.8	2				
5	64QAM	1	24	21.74	21.83	21.81						
5	64QAM	12	0	20.76	20.76	20.64						
5	64QAM	12	7	20.75	20.80	20.64						
5	64QAM	12	13	20.73	20.74	20.68						
5	64QAM	25	0	20.81	20.85	20.69	21.8	3				
Channel				26705	26865	27025				Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	847.5						
3	QPSK	1	0	23.77	23.74	23.76	24.8	0				
3	QPSK	1	8	23.74	23.75	23.77						
3	QPSK	1	14	23.75	23.69	23.67						
3	QPSK	8	0	22.72	22.81	22.76						
3	QPSK	8	4	22.76	22.73	22.63						
3	QPSK	8	7	22.74	22.79	22.76	23.8	1				
3	QPSK	15	0	22.67	22.76	22.65						
3	16QAM	1	0	22.97	22.89	23.07						
3	16QAM	1	8	22.96	22.94	22.96						
3	16QAM	1	14	22.97	22.91	22.81						
3	16QAM	8	0	21.76	21.75	21.88	22.8	2				
3	16QAM	8	4	21.75	21.79	21.70						
3	16QAM	8	7	21.69	21.73	21.59						
3	16QAM	15	0	21.76	21.73	21.67						
3	64QAM	1	0	21.94	21.79	21.86						
3	64QAM	1	8	21.90	21.83	21.81	22.8	2				
3	64QAM	8	0	21.80	21.82	21.81						
3	64QAM	8	4	20.76	20.73	20.66						
3	64QAM	8	7	20.80	20.72	20.64						
3	64QAM	15	0	20.73	20.67	20.75						
Channel				26697	26865	27033	Turn-up limit (dBm)	MPR (dB)				
Frequency (MHz)				814.7	831.5	848.3						
1.4	QPSK	1	0	23.86	23.82	23.85	24.8	0				
1.4	QPSK	1	3	23.82	23.79	23.85						
1.4	QPSK	1	5	23.86	23.80	23.71						
1.4	QPSK	3	0	23.84	23.77	23.70						
1.4	QPSK	3	1	23.85	23.78	23.67						
1.4	QPSK	3	3	23.84	23.75	23.70	23.8	1				
1.4	QPSK	6	0	22.83	22.77	22.68						
1.4	16QAM	1	0	23.06	23.06	22.94						
1.4	16QAM	1	5	23.09	23.04	22.91						
1.4	16QAM	3	0	22.80	22.79	22.69						
1.4	16QAM	3	1	22.81	22.77	22.72	22.8	1				
1.4	16QAM	3	3	22.84	22.74	22.70						
1.4	16QAM	6	0	21.89	21.86	21.78						
1.4	64QAM	1	0	21.97	21.86	21.89						
1.4	64QAM	3	0	21.96	21.91	21.85						
1.4	64QAM	3	1	21.96	21.86	21.79	22.8	2				
1.4	64QAM	3	1	21.83	21.87	21.79						
1.4	64QAM	3	3	21.92	21.86	21.79						
1.4	64QAM	6	0	20.79	20.74	20.67						
1.4	64QAM	6	0	20.79	20.74	20.67						

Band 26_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.90	23.95	23.87	24.8	0	
15	QPSK	1	37	23.89	23.88	23.77			
15	QPSK	1	74	23.89	23.79	23.78			
15	QPSK	36	0	22.89	22.90	22.85			
15	QPSK	36	20	22.88	22.84	22.80			
15	QPSK	36	39	22.81	22.84	22.76	23.6	1	
15	QPSK	75	0	22.80	22.82	22.77			
15	16QAM	1	0	23.15	23.04	23.11			
15	16QAM	1	37	23.13	23.11	23.01			
15	16QAM	1	74	23.08	23.04	23.02			
15	16QAM	36	20	21.86	21.85	21.77	22.6	2	
15	16QAM	36	39	21.82	21.85	21.76			
15	16QAM	75	0	21.88	21.87	21.79			
15	16QAM	1	0	22.05	21.94	22.03			
15	16QAM	1	37	22.06	22.02	21.91			
15	16QAM	1	74	21.98	21.92	21.87	21.6	3	
15	16QAM	36	20	20.88	20.87	20.78			
15	16QAM	36	39	20.85	20.82	20.78			
15	16QAM	75	0	20.87	20.85	20.78			
Channel				26867	26965	27055			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.77	23.80	23.82	24.6	0	
10	QPSK	1	25	23.78	23.76	23.75			
10	QPSK	1	48	23.83	23.71	23.68			
10	QPSK	25	0	22.83	22.87	22.72			
10	QPSK	25	12	22.84	22.70	22.79			
10	QPSK	25	29	22.69	22.75	22.62	23.6	1	
10	QPSK	50	0	22.72	22.84	22.72			
10	16QAM	1	0	23.01	23.03	23.03			
10	16QAM	1	25	23.08	22.98	22.96			
10	16QAM	1	48	23.07	22.95	22.90			
10	16QAM	25	0	21.84	21.79	21.73	22.6	2	
10	16QAM	25	12	21.88	21.77	21.78			
10	16QAM	25	29	21.72	21.76	21.63			
10	16QAM	50	0	21.73	21.71	21.63			
10	16QAM	1	0	21.92	21.91	22.01			
10	16QAM	1	25	22.03	21.92	21.86	21.6	2	
10	16QAM	1	48	21.86	21.89	21.81			
10	16QAM	25	0	20.82	20.81	20.64			
10	16QAM	25	12	20.84	20.74	20.70			
10	16QAM	25	29	20.84	20.73	20.76			
10	16QAM	50	0	20.76	20.76	20.71			
Channel				26815	26865	27015	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.80	23.85	23.74	24.6	0	
5	QPSK	1	12	23.82	23.84	23.63			
5	QPSK	1	24	23.75	23.71	23.68			
5	QPSK	12	0	22.75	22.86	22.72			
5	QPSK	12	7	22.73	22.73	22.67			
5	QPSK	12	13	22.79	22.80	22.65	23.6	1	
5	QPSK	25	0	22.79	22.83	22.65			
5	16QAM	1	0	23.07	22.94	23.02			
5	16QAM	1	12	23.03	23.00	22.97			
5	16QAM	1	24	23.07	22.95	22.90			
5	16QAM	12	0	21.77	21.83	21.68	22.6	2	
5	16QAM	12	7	21.76	21.78	21.71			
5	16QAM	12	13	21.80	21.72	21.68			
5	16QAM	25	0	21.74	21.71	21.68			
5	16QAM	1	0	21.91	21.84	21.99			
5	16QAM	1	12	21.95	21.87	21.90	21.6	3	
5	16QAM	1	24	21.93	21.89	21.81			
5	16QAM	12	0	20.73	20.81	20.77			
5	16QAM	12	7	20.87	20.78	20.81			
5	16QAM	12	13	20.75	20.76	20.71			
5	16QAM	25	0	20.72	20.71	20.63			
Channel				26765	26865	27025	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.81	23.94	23.86	24.6	0	
3	QPSK	1	8	23.87	23.75	23.71			
3	QPSK	1	16	23.82	23.80	23.64			
3	QPSK	8	0	22.74	22.83	22.80			
3	QPSK	8	4	22.85	22.79	22.72			
3	QPSK	8	12	22.68	22.77	22.65	23.6	1	
3	QPSK	15	0	22.70	22.70	22.71			
3	16QAM	1	0	23.09	23.02	22.96			
3	16QAM	1	8	23.07	23.09	22.92			
3	16QAM	1	16	23.01	22.99	22.95			
3	16QAM	8	0	21.73	21.72	21.71	22.6	2	
3	16QAM	8	4	21.67	21.73	21.70			
3	16QAM	8	12	21.76	21.78	21.68			
3	16QAM	15	0	21.81	21.81	21.67			
3	16QAM	1	0	21.96	21.79	21.94			
3	16QAM	1	8	22.01	22.00	21.89	21.6	3	
3	16QAM	1	16	21.96	21.95	21.82			
3	16QAM	8	0	20.78	20.79	20.75			
3	16QAM	8	4	20.77	20.72	20.80			
3	16QAM	8	12	20.77	20.77	20.70			
3	16QAM	15	0	20.72	20.71	20.70			
Channel				26867	26965	27033	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.3	831.5	848.3			
1.4	QPSK	1	0	23.83	23.88	23.75	24.6	0	
1.4	QPSK	1	3	23.84	23.79	23.70			
1.4	QPSK	1	6	23.88	23.84	23.70			
1.4	QPSK	3	0	23.90	23.87	23.72			
1.4	QPSK	3	1	23.87	23.78	23.73			
1.4	QPSK	3	4	23.92	23.89	23.73	23.6	1	
1.4	QPSK	15	0	22.70	22.70	22.71			
1.4	16QAM	1	0	22.97	22.77	22.72			
1.4	16QAM	1	3	23.07	23.07	23.03			
1.4	16QAM	1	6	23.08	23.03	22.95			
1.4	16QAM	3	0	23.11	23.05	22.96	22.6	2	
1.4	16QAM	3	1	22.91	22.76	22.74			
1.4	16QAM	3	4	22.83	22.77	22.72			
1.4	16QAM	15	0	21.87	21.79	21.85			
1.4	16QAM	6	0	21.93	21.85	21.79			
1.4	16QAM	1	0	22.03	21.99	21.90	21.6	3	
1.4	16QAM	1	3	22.02	21.97	21.84			
1.4	16QAM	1	6	22.03	21.95	21.87			
1.4	16QAM	3	0	21.96	21.98	21.85			
1.4	16QAM	3	1	21.98	21.87	21.82			
1.4	16QAM	3	4	21.97	21.87	21.82	21.6	3	
1.4	16QAM	15	0	20.85	20.77	20.82			
1.4	16QAM	6	0	20.77	20.77	20.75			
1.4	16QAM	3	0	20.77	20.77	20.75			
1.4	16QAM	3	1	20.77	20.77	20.75			

Band 66_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											
Frequency (MHz)				13027	13232	13252					
20	QPSK	1	0	22.85	22.88	22.92	23.2	0			
20	QPSK	1	49	22.88	22.87	22.90					
20	QPSK	1	99	22.72	22.72	22.74					
20	QPSK	50	0	21.84	21.86	21.91					
20	QPSK	50	24	21.81	21.80	21.86					
20	QPSK	50	50	21.90	21.92	21.87	22.2	1			
20	16QAM	1	0	22.19	22.18	22.10					
20	16QAM	1	49	22.13	22.15	22.17					
20	16QAM	1	99	22.00	21.99	22.01					
20	16QAM	50	0	20.93	20.88	20.90					
20	16QAM	50	24	20.89	20.90	20.88	21.2	2			
20	16QAM	50	50	20.81	20.81	20.85					
20	16QAM	100	0	20.89	20.84	20.86					
20	64QAM	1	0	21.07	21.08	21.03					
20	64QAM	1	49	21.05	21.04	21.04					
20	64QAM	1	99	20.89	20.89	20.94	21.2	2			
20	64QAM	50	0	19.94	19.90	19.92					
20	64QAM	50	24	19.92	19.88	19.90					
20	64QAM	50	50	19.85	19.81	19.85					
20	64QAM	100	0	19.91	19.85	19.88					
Channel											
Frequency (MHz)				13047	13232	13267	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	22.89	22.87	22.84	23.2	0			
15	QPSK	1	37	22.75	22.79	22.80					
15	QPSK	1	74	22.71	22.67	22.65					
15	QPSK	36	0	21.88	21.81	21.85					
15	QPSK	36	20	21.85	21.82	21.85					
15	QPSK	36	36	21.67	21.69	21.83	22.2	1			
15	QPSK	75	0	21.79	21.87	21.82					
15	16QAM	1	0	22.11	22.07	22.02					
15	16QAM	1	37	22.06	22.08	22.15					
15	16QAM	1	74	21.97	21.90	21.93					
15	16QAM	36	0	20.85	20.73	20.75	21.2	2			
15	16QAM	36	20	20.82	20.75	20.75					
15	16QAM	36	36	20.77	20.69	20.76					
15	16QAM	75	0	20.81	20.80	20.82					
15	64QAM	1	0	20.92	20.93	20.91					
15	64QAM	1	37	21.00	20.95	20.96	21.2	2			
15	64QAM	1	74	20.80	20.82	20.91					
15	64QAM	36	0	19.84	19.85	19.87					
15	64QAM	36	20	19.79	19.76	19.88					
15	64QAM	36	36	19.76	19.75	19.74					
15	64QAM	75	0	19.84	19.76	19.75	20.2	3			
Channel											
Frequency (MHz)				13072	13232	13262	Tune-up limit (dBm)			MPR (dB)	
10	QPSK	1	0	22.83	22.88	22.84	23.2	0			
10	QPSK	1	25	22.78	22.84	22.85					
10	QPSK	1	49	22.67	22.61	22.73					
10	QPSK	25	0	21.88	21.92	21.89					
10	QPSK	25	12	21.81	21.73	21.80					
10	QPSK	25	25	21.77	21.74	21.80	22.2	1			
10	QPSK	50	0	21.75	21.81	21.85					
10	16QAM	1	0	22.04	22.16	21.95					
10	16QAM	1	25	21.98	22.01	22.12					
10	16QAM	1	49	21.89	21.96	21.96					
10	16QAM	25	0	20.92	20.87	20.75	21.2	2			
10	16QAM	25	12	20.88	20.87	20.78					
10	16QAM	25	25	20.69	20.75	20.80					
10	16QAM	50	0	20.81	20.71	20.73					
10	64QAM	1	0	21.03	21.03	20.89					
10	64QAM	1	25	20.90	20.96	20.92	21.2	2			
10	64QAM	1	49	20.88	20.82	20.89					
10	64QAM	25	0	19.93	19.82	19.89					
10	64QAM	25	12	19.81	19.83	19.85					
10	64QAM	25	25	19.83	19.80	19.78					
10	64QAM	50	0	19.76	19.81	19.84	20.2	3			
Channel											
Frequency (MHz)				13125	13232	13247	Tune-up limit (dBm)			MPR (dB)	
5	QPSK	1	0	22.88	22.86	22.89	23.2	0			
5	QPSK	1	12	22.73	22.85	22.84					
5	QPSK	1	24	22.61	22.81	22.82					
5	QPSK	12	0	21.85	21.87	21.84					
5	QPSK	12	7	21.81	21.85	21.86					
5	QPSK	12	13	21.71	21.71	21.72	22.2	1			
5	QPSK	25	0	21.75	21.85	21.77					
5	16QAM	1	0	22.08	22.16	21.96					
5	16QAM	1	12	22.09	22.06	22.10					
5	16QAM	1	24	21.87	21.90	21.95					
5	16QAM	12	0	20.85	20.77	20.77	21.2	2			
5	16QAM	12	7	20.85	20.75	20.75					
5	16QAM	12	13	20.72	20.68	20.77					
5	16QAM	25	0	20.76	20.78	20.73					
5	64QAM	1	0	20.98	20.93	20.89					
5	64QAM	1	12	20.91	21.00	20.99	21.2	2			
5	64QAM	1	24	20.82	20.84	20.88					
5	64QAM	12	0	19.85	19.75	19.82					
5	64QAM	12	7	19.88	19.84	19.85					
5	64QAM	12	13	19.82	19.80	19.75					
5	64QAM	25	0	19.90	19.73	19.75	20.2	3			
Channel											
Frequency (MHz)				13151	13232	13253	Tune-up limit (dBm)			MPR (dB)	
3	QPSK	1	0	22.84	22.93	22.90	23.2	0			
3	QPSK	1	8	22.72	22.74	22.79					
3	QPSK	1	14	22.57	22.62	22.70					
3	QPSK	8	0	21.87	21.82	21.89					
3	QPSK	8	4	21.85	21.84	21.78					
3	QPSK	8	7	21.71	21.76	21.80	22.2	1			
3	QPSK	16	0	21.77	21.82	21.75					
3	16QAM	1	0	22.05	22.05	22.06					
3	16QAM	1	8	22.11	22.09	22.05					
3	16QAM	1	14	21.97	21.86	21.88					
3	16QAM	8	0	20.92	20.74	20.85	21.2	2			
3	16QAM	8	4	20.76	20.69	20.77					
3	16QAM	8	7	20.71	20.70	20.72					
3	16QAM	16	0	20.85	20.71	20.85					
3	64QAM	1	0	21.04	20.95	21.02					
3	64QAM	1	8	21.01	20.96	20.99	21.2	2			
3	64QAM	1	14	20.82	20.76	20.82					
3	64QAM	8	0	19.84	19.86	19.78					
3	64QAM	8	4	19.87	19.87	19.85					
3	64QAM	8	7	19.78	19.66	19.83					
3	64QAM	16	0	19.77	19.70	19.67	20.2	3			
Channel											
Frequency (MHz)				13199	13232	13252	Tune-up limit (dBm)			MPR (dB)	
1.4	QPSK	1	0	22.91	22.84	22.78	23.2	0			
1.4	QPSK	1	3	22.85	22.82	22.76					
1.4	QPSK	1	5	22.91	22.80	22.80					
1.4	QPSK	3	0	22.88	22.79	22.85					
1.4	QPSK	3	1	22.80	22.79	22.81					
1.4	QPSK	3	3	22.89	22.79	22.81	22.2	1			
1.4	QPSK	6	0	21.89	21.79	21.78					
1.4	16QAM	1	0	22.13	22.09	22.03					
1.4	16QAM	1	3	22.12	22.08	22.03					
1.4	16QAM	1	5	22.09	22.09	22.02					
1.4	16QAM	3	0	21.86	21.79	21.79	21.2	2			
1.4	16QAM	3	1	21.88	21.80	21.80					
1.4	16QAM	3	3	21.85	21.77	21.79					
1.4	16QAM	6	0	20.93	20.84	20.86					
1.4	64QAM	1	0	21.04	21.00	20.98					
1.4	64QAM	1	3	20.99	20.98	20.93	21.2	2			
1.4	64QAM	1	5	21.02	20.99	20.98					
1.4	64QAM	3	0	21.01	20.91	20.90					
1.4	64QAM	3	1	20.97	20.88	20.90					
1.4	64QAM	3	3	20.94	20.90	20.90					

Band 38_Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.72	23.77	23.70	24.3	0		
20	QPSK	1	49	23.66	23.75	23.69				
20	QPSK	1	99	23.62	23.72	23.65				
20	QPSK	50	0	22.72	22.75	22.73	23.3	1		
20	QPSK	50	24	22.70	22.68	22.71				
20	QPSK	50	50	22.72	22.70	22.72				
20	QPSK	100	0	22.71	22.74	22.69	23.3	1		
20	16QAM	1	0	22.70	22.64	22.67				
20	16QAM	1	49	22.84	22.83	22.81				
20	16QAM	1	99	22.77	22.79	22.77	22.3	2		
20	16QAM	50	0	21.77	21.73	21.74				
20	16QAM	50	24	21.78	21.77	21.79				
20	16QAM	50	50	21.78	21.78	21.78	21.3	3		
20	16QAM	100	0	21.77	21.75	21.77				
20	64QAM	1	0	21.48	21.43	21.44				
20	64QAM	1	49	21.56	21.52	21.56	22.3	2		
20	64QAM	1	99	21.55	21.52	21.56				
20	64QAM	50	0	20.74	20.69	20.74				
20	64QAM	50	24	20.78	20.77	20.77	21.3	3		
20	64QAM	50	50	20.79	20.76	20.77				
20	64QAM	100	0	20.77	20.73	20.76				
Channel				37825	38000	38175	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.64	23.66	23.62	24.3	0		
15	QPSK	1	37	23.62	23.66	23.63				
15	QPSK	1	74	23.61	23.65	23.59				
15	QPSK	36	0	22.65	22.67	22.67	23.3	1		
15	QPSK	36	20	22.56	22.60	22.60				
15	QPSK	36	39	22.60	22.67	22.66				
15	QPSK	75	0	22.69	22.67	22.69	23.3	1		
15	16QAM	1	0	22.60	22.58	22.59				
15	16QAM	1	37	22.72	22.68	22.78				
15	16QAM	1	74	22.64	22.76	22.75	22.3	2		
15	16QAM	36	0	21.74	21.60	21.71				
15	16QAM	36	20	21.70	21.64	21.74				
15	16QAM	36	39	21.64	21.73	21.68	22.3	2		
15	16QAM	75	0	21.75	21.60	21.73				
15	64QAM	1	0	21.33	21.35	21.39				
15	64QAM	1	37	21.50	21.42	21.43	22.3	2		
15	64QAM	1	74	21.50	21.45	21.44				
15	64QAM	36	0	20.71	20.55	20.63				
15	64QAM	36	20	20.64	20.72	20.65	21.3	3		
15	64QAM	36	39	20.73	20.61	20.73				
15	64QAM	75	0	20.72	20.59	20.66				
Channel				37800	38000	38200	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.62	23.73	23.56	24.3	0		
10	QPSK	1	25	23.55	23.64	23.59				
10	QPSK	1	49	23.52	23.68	23.50				
10	QPSK	25	0	22.70	22.72	22.71	23.3	1		
10	QPSK	25	12	22.55	22.67	22.70				
10	QPSK	25	25	22.61	22.56	22.68				
10	QPSK	50	0	22.57	22.70	22.67	23.3	1		
10	16QAM	1	0	22.55	22.57	22.57				
10	16QAM	1	25	22.78	22.72	22.68				
10	16QAM	1	49	22.69	22.70	22.73	22.3	2		
10	16QAM	25	0	21.66	21.61	21.66				
10	16QAM	25	12	21.79	21.67	21.75				
10	16QAM	25	25	21.68	21.67	21.65	22.3	2		
10	16QAM	50	0	21.75	21.73	21.72				
10	64QAM	1	0	21.35	21.31	21.32				
10	64QAM	1	25	21.44	21.48	21.44	22.3	2		
10	64QAM	1	49	21.52	21.39	21.53				
10	64QAM	25	0	20.60	20.57	20.61				
10	64QAM	25	12	20.75	20.73	20.75	21.3	3		
10	64QAM	25	25	20.68	20.75	20.68				
10	64QAM	50	0	20.75	20.67	20.61				
Channel				37775	38000	38225	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.60	23.69	23.55	24.3	0		
5	QPSK	1	12	23.51	23.61	23.57				
5	QPSK	1	24	23.57	23.71	23.61				
5	QPSK	12	0	22.67	22.69	22.59	23.3	1		
5	QPSK	12	7	22.57	22.58	22.62				
5	QPSK	12	13	22.59	22.59	22.62				
5	QPSK	25	0	22.58	22.71	22.68	23.3	1		
5	16QAM	1	0	22.59	22.56	22.55				
5	16QAM	1	12	22.76	22.72	22.67				
5	16QAM	1	24	22.76	22.67	22.65	22.3	2		
5	16QAM	12	0	21.76	21.70	21.70				
5	16QAM	12	7	21.76	21.68	21.76				
5	16QAM	12	13	21.76	21.61	21.77	21.3	3		
5	16QAM	25	0	21.75	21.60	21.68				
5	64QAM	1	0	21.42	21.36	21.41				
5	64QAM	1	12	21.47	21.44	21.41	22.3	2		
5	64QAM	1	24	21.53	21.50	21.43				
5	64QAM	12	0	20.67	20.65	20.67				
5	64QAM	12	7	20.72	20.70	20.74	21.3	3		
5	64QAM	12	13	20.74	20.61	20.72				
5	64QAM	25	0	20.71	20.69	20.71				

Band 38_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel				37850	38000	38150				
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.36	23.40	23.36	23.6	0		
20	QPSK	1	49	23.35	23.38	23.32				
20	QPSK	1	99	23.36	23.32	23.30				
20	QPSK	50	0	22.31	22.39	22.35	22.6	1		
20	QPSK	50	24	22.37	22.33	22.31				
20	QPSK	50	50	22.37	22.35	22.31				
20	QPSK	100	0	22.35	22.38	22.33	22.6	1		
20	16QAM	1	0	22.35	22.31	22.25				
20	16QAM	1	49	22.48	22.42	22.40				
20	16QAM	1	99	22.41	22.37	22.34	21.6	2		
20	16QAM	50	0	21.42	21.36	21.36				
20	16QAM	50	24	21.45	21.41	21.42				
20	16QAM	50	50	21.44	21.40	21.38	20.6	3		
20	16QAM	100	0	21.42	21.39	21.36				
20	64QAM	1	0	21.14	21.10	21.07				
20	64QAM	1	49	21.25	21.18	21.15	21.6	2		
20	64QAM	1	99	21.20	21.15	21.12				
20	64QAM	50	0	20.42	20.34	20.32				
20	64QAM	50	24	20.43	20.39	20.37	20.6	3		
20	64QAM	50	50	20.44	20.37	20.35				
20	64QAM	100	0	20.42	20.36	20.35				
Channel				37825	38000	38175	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				23775	24000	24225				
15	QPSK	1	0	23.38	23.41	23.38	23.6	0		
15	QPSK	1	37	23.28	23.31	23.22				
15	QPSK	1	74	23.30	23.22	23.20				
15	QPSK	36	0	22.25	22.33	22.25	22.6	1		
15	QPSK	36	20	22.26	22.20	22.28				
15	QPSK	36	39	22.23	22.27	22.29				
15	QPSK	15	0	22.31	22.30	22.24	21.6	2		
15	16QAM	1	0	22.31	22.22	22.26				
15	16QAM	1	37	22.45	22.27	22.25				
15	16QAM	1	74	22.26	22.31	22.21	20.6	3		
15	16QAM	36	0	21.35	21.22	21.24				
15	16QAM	36	20	21.46	21.40	21.37				
15	16QAM	36	39	21.32	21.37	21.36	21.6	2		
15	16QAM	75	0	21.41	21.26	21.34				
15	64QAM	1	0	21.10	20.98	20.95				
15	64QAM	1	37	21.23	21.05	21.04	21.6	2		
15	64QAM	1	74	21.11	21.01	21.04				
15	64QAM	36	0	20.36	20.20	20.20				
15	64QAM	36	20	20.37	20.28	20.35	20.6	3		
15	64QAM	36	39	20.34	20.24	20.33				
15	64QAM	75	0	20.38	20.25	20.28				
Channel				37800	38000	38200	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.23	23.29	23.33	23.6	0		
10	QPSK	1	25	23.32	23.21	23.19				
10	QPSK	1	49	23.24	23.25	23.18				
10	QPSK	25	0	22.23	22.26	22.20	22.6	1		
10	QPSK	25	12	22.23	22.26	22.29				
10	QPSK	25	25	22.30	22.23	22.20				
10	QPSK	50	0	22.28	22.24	22.21	22.6	1		
10	16QAM	1	0	22.34	22.22	22.33				
10	16QAM	1	25	22.40	22.21	22.39				
10	16QAM	25	0	21.34	21.27	21.34	21.6	2		
10	16QAM	25	12	21.33	21.26	21.34				
10	16QAM	25	25	21.38	21.31	21.29				
10	16QAM	50	0	21.29	21.31	21.27	21.6	2		
10	64QAM	1	0	21.12	21.03	21.00				
10	64QAM	1	25	21.18	21.11	21.02				
10	64QAM	1	49	21.16	21.07	21.11	20.6	3		
10	64QAM	25	0	20.35	20.20	20.22				
10	64QAM	25	12	20.36	20.26	20.25				
10	64QAM	25	25	20.31	20.23	20.30	22.6	1		
10	64QAM	50	0	20.29	20.23	20.23				
Channel				37775	38000	38225			Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.34	23.39	23.35	23.6	0		
5	QPSK	1	12	23.27	23.31	23.24				
5	QPSK	1	25	23.30	23.25	23.23				
5	QPSK	12	0	22.28	22.27	22.23	22.6	1		
5	QPSK	12	7	22.31	22.27	22.28				
5	QPSK	12	13	22.35	22.27	22.18				
5	QPSK	25	0	22.22	22.34	22.30	22.6	1		
5	16QAM	1	0	22.28	22.22	22.15				
5	16QAM	1	22	22.41	22.24	22.25				
5	16QAM	1	24	22.28	22.31	22.27	21.6	2		
5	16QAM	12	0	21.32	21.27	21.26				
5	16QAM	12	7	21.39	21.38	21.28				
5	16QAM	12	13	21.34	21.39	21.24	21.6	2		
5	64QAM	1	0	21.31	21.24	21.25				
5	64QAM	1	0	21.10	21.09	21.09				
5	64QAM	1	12	21.10	21.07	21.14	20.6	3		
5	64QAM	1	24	21.11	21.14	21.02				
5	64QAM	12	0	20.31	20.28	20.28				
5	64QAM	12	7	20.29	20.25	20.31	20.6	3		
5	64QAM	12	13	20.28	20.31	20.31				
5	64QAM	25	0	20.27	20.31	20.33				

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	Turn-up limit (dBm)	MPR (dB)			
Channel				39750	40185	40620	41055	41490					
Frequency (MHz)				2506	2549.5	2593	2636.5	2680					
20	QPSK	1	0	24.50	24.32	24.26	24.25	24.29	24.8	0			
20	QPSK	1	49	24.45	24.30	24.24	24.20	24.22					
20	QPSK	1	99	24.47	24.24	24.09	24.15	24.16					
20	QPSK	50	0	22.10	22.09	22.06	22.05	22.05					
20	QPSK	50	24	22.09	22.05	22.03	22.00	21.96	23.8	1			
20	QPSK	50	50	22.05	22.08	22.02	22.01	21.99					
20	QPSK	100	0	22.08	22.05	22.00	21.98	21.99					
20	16QAM	1	0	22.92	22.83	22.76	22.85	22.80					
20	16QAM	1	49	23.00	22.90	22.81	22.88	22.85	23.8	1			
20	16QAM	1	99	23.04	22.80	22.74	22.76	22.88					
20	16QAM	50	0	22.05	21.85	21.83	21.83	21.84					
20	16QAM	50	24	22.12	21.85	21.92	21.94	21.90					
20	16QAM	50	50	22.11	21.89	21.90	21.91	21.89	22.8	2			
20	16QAM	100	0	22.09	21.86	21.89	21.89	21.84					
20	16QAM	1	0	21.73	21.52	21.55	21.53	21.63					
20	16QAM	1	49	21.85	21.65	21.63	21.74	21.71					
20	16QAM	1	99	21.83	21.59	21.56	21.57	21.63	22.8	2			
20	16QAM	50	0	21.04	20.83	20.84	20.82	20.86					
20	16QAM	50	24	21.11	20.84	20.81	20.84	20.83					
20	16QAM	50	50	21.12	20.86	20.86	20.86	20.86					
20	16QAM	100	0	21.09	20.85	20.92	20.89	20.96	Time-up limit (dBm) MPR (dB)				
Channel				39725	40173	40620	41068	41515					
Frequency (MHz)				2503.5	2546.3	2593	2637.8	2682.5					
15	QPSK	1	0	24.40	24.22	24.15	24.12	24.18	24.8	0			
15	QPSK	1	37	24.41	24.17	24.19	24.12	24.11					
15	QPSK	1	74	24.46	24.21	23.97	24.06	24.10					
15	QPSK	36	0	22.06	21.94	21.95	22.02	21.95					
15	QPSK	36	20	22.07	21.91	22.02	21.99	21.83	23.8	1			
15	QPSK	36	39	22.01	21.98	21.99	22.01	22.02					
15	QPSK	75	0	21.98	21.95	21.94	21.85	21.88					
15	16QAM	1	0	22.79	22.80	22.70	22.74	22.74					
15	16QAM	1	37	22.91	22.76	22.71	22.88	22.82	23.8	1			
15	16QAM	1	74	22.93	22.65	22.64	22.74	22.82					
15	16QAM	36	0	21.91	21.71	21.77	21.76	21.78					
15	16QAM	36	20	22.01	21.79	21.89	21.80	21.85					
15	16QAM	36	39	21.97	21.87	21.78	21.88	21.83	22.8	2			
15	16QAM	75	0	22.06	21.77	21.74	21.88	21.82					
15	16QAM	1	0	21.69	21.47	21.44	21.50	21.57					
15	16QAM	1	37	21.78	21.50	21.54	21.70	21.67					
15	16QAM	1	74	21.72	21.47	21.57	21.45	21.50	21.8	3			
15	16QAM	36	0	20.99	20.78	20.84	20.71	20.85					
15	16QAM	36	20	21.00	20.80	20.86	20.82	20.68					
15	16QAM	36	39	21.06	20.76	20.80	20.84	20.77					
15	16QAM	75	0	20.94	20.74	20.87	20.78	20.95	Time-up limit (dBm) MPR (dB)				
Channel				39700	40160	40620	41080	41540					
Frequency (MHz)				2501	2547	2593	2639	2685					
10	QPSK	1	0	24.48	24.25	24.18	24.14	24.18	24.8	0			
10	QPSK	1	25	24.36	24.23	24.13	24.18	24.18					
10	QPSK	1	49	24.32	24.20	23.96	24.07	24.03					
10	QPSK	25	0	22.06	22.06	22.03	21.93	21.96					
10	QPSK	25	12	21.94	21.90	21.86	21.84	21.87	23.8	1			
10	QPSK	25	25	21.98	22.07	22.02	21.98	21.97					
10	QPSK	50	0	21.96	21.95	21.96	21.86	21.96					
10	16QAM	1	0	22.80	22.79	22.63	22.81	22.69					
10	16QAM	1	25	22.94	22.84	22.78	22.88	22.76	23.8	1			
10	16QAM	1	49	23.03	22.76	22.62	22.85	22.75					
10	16QAM	25	0	22.03	21.73	21.72	21.75	21.73					
10	16QAM	25	12	22.01	21.81	21.86	21.80	21.75					
10	16QAM	25	25	21.96	21.84	21.85	21.90	21.83	22.8	2			
10	16QAM	50	0	22.06	21.77	21.82	21.75	21.75					
10	16QAM	1	0	21.64	21.48	21.53	21.49	21.60					
10	16QAM	1	25	21.75	21.60	21.53	21.73	21.62					
10	16QAM	1	49	21.74	21.55	21.44	21.47	21.54	22.8	2			
10	16QAM	25	0	20.90	20.71	20.86	20.75	20.80					
10	16QAM	25	12	21.02	20.82	20.77	20.79	20.71					
10	16QAM	25	25	20.99	20.79	20.78	20.72	20.76					
10	16QAM	50	0	20.97	20.79	20.80	20.78	20.91	Time-up limit (dBm) MPR (dB)				
Channel				39675	40146	40620	41053	41505					
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5					
5	QPSK	1	0	24.41	24.19	24.13	24.20	24.18	24.8	0			
5	QPSK	1	12	24.31	24.24	24.13	24.19	24.12					
5	QPSK	1	24	24.40	24.12	24.08	24.09	24.06					
5	QPSK	12	0	22.01	21.88	22.00	22.03	21.99					
5	QPSK	12	7	21.96	21.96	21.83	21.92	21.92	23.8	1			
5	QPSK	12	13	21.94	22.05	21.93	21.96	21.96					
5	QPSK	25	0	22.05	21.96	21.92	21.97	21.91					
5	16QAM	1	0	22.79	22.71	22.69	22.70	22.76					
5	16QAM	1	12	22.94	22.76	22.68	22.76	22.74	23.8	1			
5	16QAM	1	24	22.90	22.77	22.72	22.67	22.77					
5	16QAM	12	0	21.95	21.73	21.76	21.78	21.74					
5	16QAM	12	7	22.10	21.83	21.78	21.84	21.82					
5	16QAM	12	13	21.99	21.81	21.82	21.78	21.85	22.8	2			
5	16QAM	25	0	22.03	21.81	21.85	21.78	21.70					
5	16QAM	1	0	21.67	21.38	21.45	21.41	21.48					
5	16QAM	1	12	21.78	21.62	21.61	21.67	21.59					
5	16QAM	1	24	21.78	21.51	21.53	21.46	21.58	22.8	2			
5	16QAM	12	0	20.95	20.76	20.87	20.76	20.80					
5	16QAM	12	7	20.97	20.69	20.70	20.73	20.75					
5	16QAM	12	13	21.00	20.83	20.73	20.72	20.82					
5	16QAM	25	0	21.07	20.73	20.91	20.79	20.83	Time-up limit (dBm) MPR (dB)				

Band 41_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	Turn-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.75	23.07	23.74	23.70	23.65	23.8	0		
20	QPSK	1	49	23.69	23.59	23.70	23.55	23.60				
20	QPSK	1	99	23.70	23.60	23.72	23.69	23.62				
20	QPSK	50	0	21.43	21.40	21.42	21.39	21.30				
20	QPSK	50	24	21.27	21.35	21.40	21.34	21.25				
20	QPSK	50	50	21.19	21.26	21.31	21.24	21.12	22.8	1		
20	QPSK	100	0	21.38	21.22	21.36	21.34	21.28				
20	16QAM	1	0	22.02	22.13	22.28	22.18	22.04				
20	16QAM	1	49	22.28	22.28	22.32	22.37	22.15				
20	16QAM	1	99	22.31	22.25	22.32	22.30	22.09				
20	16QAM	50	0	21.36	21.51	21.37	21.28	21.05	21.8	2		
20	16QAM	50	24	21.30	21.39	21.35	21.25	21.15				
20	16QAM	50	50	21.34	21.38	21.39	21.24	21.16				
20	16QAM	100	0	21.26	21.37	21.39	21.34	21.15				
20	16QAM	1	0	20.81	21.00	21.11	21.08	20.83				
20	16QAM	1	49	21.03	21.15	21.18	21.11	20.93	20.8	3		
20	16QAM	1	99	21.12	20.98	21.14	21.07	20.86				
20	16QAM	50	0	20.17	20.27	20.38	20.25	20.15				
20	16QAM	50	24	20.28	20.31	20.37	20.24	20.15				
20	16QAM	50	50	20.33	20.27	20.39	20.31	20.15				
20	16QAM	100	0	20.27	20.25	20.36	20.23	20.15				
Channel				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25075	25413	2593	2637.4	26825				
15	QPSK	1	0	23.75	23.53	23.73	23.68	23.66	22.8	1		
15	QPSK	1	37	23.68	23.49	23.64	23.43	23.51				
15	QPSK	1	74	23.57	23.50	23.63	23.59	23.54				
15	QPSK	36	0	21.31	21.36	21.30	21.33	21.24				
15	QPSK	36	20	21.19	21.33	21.30	21.19	21.15				
15	QPSK	36	39	21.29	21.23	21.39	21.28	21.19	21.8	2		
15	QPSK	1	0	21.23	21.30	21.18	21.27	21.17				
15	16QAM	1	0	21.99	22.10	22.26	22.16	22.00				
15	16QAM	1	37	22.23	22.18	22.30	22.31	22.13				
15	16QAM	1	74	22.20	22.11	22.20	22.29	22.08				
15	16QAM	36	0	21.11	21.29	21.25	21.16	21.04	20.8	3		
15	16QAM	36	20	21.19	21.28	21.25	21.15	21.05				
15	16QAM	36	39	21.23	21.31	21.37	21.29	21.11				
15	16QAM	75	0	21.19	21.28	21.34	21.25	21.10				
15	16QAM	1	0	20.74	20.93	21.07	20.99	20.76				
15	16QAM	1	37	20.97	21.07	21.06	20.98	20.79	21.8	2		
15	16QAM	1	74	21.02	20.96	21.05	20.95	20.78				
15	16QAM	36	0	20.99	21.06	21.04	20.95	20.73				
15	16QAM	36	20	20.24	20.30	20.27	20.09	20.04				
15	16QAM	36	39	20.21	20.17	20.34	20.26	20.14				
15	16QAM	75	0	20.24	20.21	20.33	20.10	20.09				
Channel				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				25051	25447	2593	2639	2685				
10	QPSK	1	0	23.59	23.62	23.67	23.55	23.56	23.8	0		
10	QPSK	1	25	23.55	23.50	23.62	23.52	23.45				
10	QPSK	1	49	23.57	23.50	23.58	23.54	23.57				
10	QPSK	25	0	21.25	21.33	21.32	21.26	21.27				
10	QPSK	25	12	21.26	21.24	21.28	21.24	21.10				
10	QPSK	25	25	21.26	21.26	21.28	21.21	21.07	22.8	1		
10	QPSK	50	0	21.25	21.15	21.34	21.27	21.13				
10	16QAM	1	0	21.91	22.01	22.15	22.07	21.97				
10	16QAM	1	25	22.26	22.23	22.32	22.29	22.08				
10	16QAM	1	49	22.26	22.22	22.29	22.15	21.94				
10	16QAM	25	0	21.01	21.19	21.28	21.20	21.14	21.8	2		
10	16QAM	25	12	21.14	21.32	21.36	21.26	21.14				
10	16QAM	25	25	21.25	21.28	21.29	21.21	21.05				
10	16QAM	50	0	21.25	21.30	21.28	21.23	21.01				
10	16QAM	1	0	20.74	20.94	20.98	20.91	20.78				
10	16QAM	1	25	20.98	21.14	21.05	21.03	20.84	21.8	2		
10	16QAM	1	49	21.11	20.86	21.03	21.02	20.76				
10	16QAM	25	0	20.14	20.16	20.27	20.16	20.14				
10	16QAM	25	12	20.15	20.15	20.26	20.15	20.09				
10	16QAM	25	25	20.19	20.14	20.30	20.20	20.01				
10	16QAM	50	0	20.19	20.15	20.32	20.20	20.00				
Channel				39875	40148	40620	41093	41555	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.70	23.60	23.67	23.65	23.51	23.8	0		
5	QPSK	1	12	23.64	23.52	23.68	23.43	23.52				
5	QPSK	1	24	23.61	23.50	23.65	23.40	23.48				
5	QPSK	12	0	21.25	21.30	21.28	21.24	21.29				
5	QPSK	12	7	21.14	21.34	21.25	21.21	21.15				
5	QPSK	12	13	21.26	21.31	21.28	21.27	21.12	22.8	1		
5	QPSK	25	0	21.20	21.09	21.25	21.28	21.19				
5	16QAM	1	0	21.89	22.04	22.17	22.02	21.84				
5	16QAM	1	12	22.13	22.15	22.28	22.24	22.02				
5	16QAM	1	24	22.16	22.19	22.22	22.25	21.95				
5	16QAM	12	0	21.01	21.30	21.31	21.26	21.09	21.8	2		
5	16QAM	12	7	21.21	21.36	21.34	21.31	21.04				
5	16QAM	12	13	21.24	21.30	21.32	21.10	21.08				
5	16QAM	25	0	21.25	21.31	21.33	21.21	21.03				
5	16QAM	1	0	20.75	20.91	21.09	21.03	20.72				
5	16QAM	1	12	21.02	21.04	21.09	21.00	20.83	21.8	2		
5	16QAM	1	24	20.99	20.88	21.11	21.03	20.80				
5	16QAM	12	0	20.15	20.26	20.31	20.11	20.14				
5	16QAM	12	7	20.23	20.26	20.31	20.15	20.14				
5	16QAM	12	13	20.19	20.23	20.24	20.19	20.05				
5	16QAM	25	0	20.19	20.18	20.23	20.17	20.11	20.8	3		

Reduced Power Mode for ECI3

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit		Frame Average Power (dBm)			Tune-up Limit		
TX Channel		512	661	810		512	661	810		512	661	810
Frequency (MHz)		824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8
GSM 1 Tx slot		32.10	31.95	32.20	33.50	23.10	22.95	23.20	24.50	23.10	22.95	23.20
GPRS 1 Tx slot		32.05	31.90	32.17	33.50	23.05	22.90	23.17	24.50	23.05	22.90	23.17
GPRS 2 Tx slots		30.16	30.10	30.20	31.00	24.16	24.10	24.20	25.00	24.16	24.10	24.20
GPRS 3 Tx slots		28.12	28.06	28.19	29.00	23.86	23.80	23.93	24.74	23.86	23.80	23.93
GPRS 4 Tx slots		27.15	27.08	27.22	28.00	24.15	24.08	24.22	29.00	24.15	24.08	24.22
EDGE 1 Tx slot		26.17	26.10	26.23	26.50	17.17	17.10	17.23	19.50	26.17	26.10	26.23
EDGE 2 Tx slots		25.13	25.05	25.20	27.00	19.13	19.05	19.20	21.00	25.13	25.05	25.20
EDGE 3 Tx slots		23.11	23.00	23.15	25.00	18.85	18.74	18.89	20.74	23.11	23.00	23.15
EDGE 4 Tx slots		22.10	22.00	22.18	23.50	19.10	19.00	19.18	20.50	22.10	22.00	22.18

GSM1900_Ant 4		Burst Average Power (dBm)			Frame-Average Power (dBm)			Tune-up	
Tx Channel		512	661	810	512	661	810	Limit	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8		
GSM 1 Tx slot		28.75	29.77	29.72	30.50	20.75	20.77	20.72	21.50
GPRS 1 Tx slot		28.69	29.70	29.66	30.50	20.69	20.70	20.66	21.50
GPRS 2 Tx slots		27.79	27.80	27.72	28.00	21.79	21.80	21.72	22.00
GPRS 3 Tx slots		25.68	25.70	25.60	26.50	21.42	21.44	21.34	22.34
GPRS 4 Tx slots		24.70	24.80	24.70	25.00	21.70	21.80	21.70	22.00
EDGE 1 Tx slot		25.62	25.75	25.63	26.50	16.62	16.75	16.63	19.00
EDGE 2 Tx slots		24.62	24.68	24.54	26.50	18.62	18.68	18.54	20.50
EDGE 3 Tx slots		22.68	22.77	22.67	24.00	18.42	18.51	18.41	19.74
EDGE 4 Tx slots		20.71	20.80	20.77	22.50	17.71	17.80	17.77	19.50

Band		WCDMA 1_Ant 4				WCDMA 8_Ant 3			
TX Channel		9262	9400	9538	Tune-up Limit	9262	9400	9538	Tune-up Limit
Rx Channel		9662	9800	9938	(dBm)	9662	9800	9938	(dBm)
Frequency (MHz)		1862.4	1880	1907.6		1862.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	23.20	23.24	23.28	23.50	22.24	22.31	22.26	22.40
3GPP Rel 99	RMG 12.2Kbps	23.25	23.32	23.30	23.50	22.26	22.32	22.28	22.40
3GPP Rel 6	HSDDA Subtest-1	23.24	23.23	23.18	23.50	22.22	22.22	22.11	22.40
3GPP Rel 6	HSDDA Subtest-2	23.17	23.28	23.29	23.50	22.20	22.20	22.22	22.40
3GPP Rel 6	HSDDA Subtest-3	23.25	23.31	23.14	23.50	22.20	22.22	22.22	22.40
3GPP Rel 6	HSDDA Subtest-4	23.19	23.29	23.08	23.50	22.23	22.20	22.24	22.40
3GPP Rel 8	DC-HSDPA Subtest-1	23.19	23.19	23.27	23.50	22.15	22.16	22.23	22.40
3GPP Rel 8	DC-HSDPA Subtest-2	23.14	23.30	23.25	23.50	22.13	22.27	22.15	22.40
3GPP Rel 8	DC-HSDPA Subtest-3	23.10	23.24	23.05	23.50	22.22	22.30	22.14	22.40
3GPP Rel 8	DC-HSDPA Subtest-4	23.06	23.21	22.93	23.50	22.12	22.17	22.17	22.40
3GPP Rel 6	HSUPA Subtest-1	21.75	21.85	21.61	22.00	21.15	21.30	21.24	21.90
3GPP Rel 6	HSUPA Subtest-2	21.74	21.83	21.58	22.00	21.22	21.37	21.21	21.60
3GPP Rel 6	HSUPA Subtest-3	22.78	22.85	22.40	23.00	22.09	22.28	22.15	22.40
3GPP Rel 6	HSUPA Subtest-4	21.23	21.34	21.14	21.50	20.70	20.85	20.74	20.90
3GPP Rel 6	HSUPA Subtest-5	22.80	22.80	22.80	23.50	22.20	22.30	22.20	22.40
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.70	21.80	21.80	22.00	21.20	21.22	21.30	22.40

Band		WCDMA 1_Ant 0				WCDMA 8_Ant 1			
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)		526.4	536.4	546.5		526.4	536.4	546.5	
3GPP Rel 99	AMR 12.2Kbps	24.15	24.12	24.03	25.00	24.04	24.16	24.04	25.00
3GPP Rel 99	RMG 12.2Kbps	24.20	24.22	24.17	25.00	24.15	24.20	24.18	25.00
3GPP Rel 6	HSDDPA Subtest-1	23.30	23.21	23.18	24.00	23.16	23.02	23.01	24.00
3GPP Rel 6	HSDDPA Subtest-2	23.25	23.20	23.17	24.00	23.13	22.98	22.96	24.00
3GPP Rel 6	HSDDPA Subtest-3	22.76	22.76	22.66	23.50	22.69	22.57	22.60	23.50
3GPP Rel 6	HSDDPA Subtest-4	22.77	22.70	22.68	23.50	22.62	22.53	22.52	23.50
3GPP Rel 8	DC-HSDSPA Subtest-1	23.24	23.09	23.12	24.00	23.11	22.94	22.89	24.00
3GPP Rel 8	DC-HSDSPA Subtest-2	23.24	23.07	23.06	24.00	23.09	22.92	22.88	24.00
3GPP Rel 8	DC-HSDSPA Subtest-3	22.64	22.73	22.53	23.50	22.62	22.56	22.58	23.50
3GPP Rel 8	DC-HSDSPA Subtest-4	22.74	22.68	22.54	23.50	22.61	22.48	22.48	23.50
3GPP Rel 6	HSUPA Subtest-1	21.30	21.23	21.19	22.00	21.05	21.05	20.98	22.50
3GPP Rel 6	HSUPA Subtest-2	21.26	21.21	21.15	22.00	20.90	20.97	20.95	21.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.25	22.16	23.00	21.91	21.95	21.97	22.00
3GPP Rel 6	HSUPA Subtest-4	20.80	20.74	20.74	21.00	20.63	20.48	20.57	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.20	22.20	24.00	22.10	22.00	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.20	21.30	21.30	22.50	21.10	21.05	21.02	22.50

GSM1800_Ant 3		Burst Average Power (dBm)			Frame-Average Power (dBm)		Tune-up		
TX Channel		512	661	810	512	661	810	Limit	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	(dBm)	
GSM 1 Tx slot		29.15	29.20	29.30	29.90	20.15	20.20	20.30	20.90
GPRS 1 Tx slot		29.05	29.15	29.30	29.90	20.05	20.15	20.30	20.90
GPRS 2 Tx slots		27.13	27.30	27.33	27.40	21.13	21.30	21.33	21.40
GPRS 3 Tx slots		25.15	25.20	25.36	25.90	20.89	20.94	21.10	21.64
GPRS 4 Tx slots		24.18	24.21	24.35	24.40	21.18	21.21	21.35	21.40
EDGE 1 Tx slot		25.42	25.49	25.42	27.40	16.42	16.49	16.42	18.40
EDGE 2 Tx slots		24.09	24.13	24.28	25.90	18.09	18.13	18.29	19.90
EDGE 3 Tx slots		22.07	22.16	22.30	23.40	17.81	17.90	18.04	19.14
EDGE 4 Tx slots		20.10	20.18	20.22	21.90	17.10	17.18	17.22	18.90

Band		WCDMA 1_Ant 4				WCDMA 8_Ant 3			
TX Channel		1312	1413	1513	Turn-up Limit	1312	1413	1513	Turn-up Limit
Rx Channel		1537	1638	1738	(dBm)	1537	1638	1738	(dBm)
Frequency (MHz)		1712.4	1732.6	1752.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	22.78	22.95	22.90	23.50	22.57	22.61	22.47	23.00
3GPP Rel 99	RMG 12.2Kbps	22.82	22.98	22.95	23.50	22.61	22.68	22.60	23.00
3GPP Rel 6	HSDPA Subtest-1	22.86	22.86	22.93	23.50	22.47	22.57	22.50	23.00
3GPP Rel 6	HSDPA Subtest-2	22.89	22.89	22.87	23.50	22.58	22.68	22.59	23.00
3GPP Rel 6	HSDPA Subtest-3	22.86	22.88	22.81	23.50	22.60	22.67	22.65	23.00
3GPP Rel 6	HSDPA Subtest-4	22.90	22.95	22.90	23.50	22.54	22.57	22.51	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.77	22.92	22.94	23.50	22.59	22.54	22.53	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.86	22.90	22.86	23.50	22.49	22.59	22.46	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.88	22.86	22.87	23.50	22.55	22.64	22.60	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.77	22.88	22.89	23.50	22.47	22.67	22.60	23.00
3GPP Rel 6	HSUPA Subtest-1	21.45	21.43	21.43	22.60	21.09	21.14	21.12	22.60
3GPP Rel 6	HSUPA Subtest-2	21.51	21.51	21.40	22.60	21.11	21.16	21.13	21.60
3GPP Rel 6	HSUPA Subtest-3	22.47	22.48	22.42	23.00	22.14	22.19	22.11	22.60
3GPP Rel 6	HSUPA Subtest-4	20.97	21.00	20.96	21.80	20.70	20.69	20.63	21.00
3GPP Rel 6	HSUPA Subtest-5	22.40	22.50	22.40	23.00	22.10	22.20	22.10	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.40	21.46	21.50	22.60	21.00	21.03	21.06	22.60

Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Max Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.02	22.97	22.90			
20	QPSK	1	49	22.80	22.91	22.77	23.3	0	
20	QPSK	1	99	22.78	22.85	22.89			
20	QPSK	1	149	22.76	22.83	22.87			
20	QPSK	50	24	22.82	22.84	22.81	23.3	0	
20	QPSK	50	50	22.86	22.84	22.82			
20	QPSK	100	0	22.82	22.86	22.75			
20	16QAM	1	0	22.77	22.95	22.76			
20	16QAM	1	49	22.81	22.93	22.89	23.3	0	
20	16QAM	1	99	22.91	22.86	22.84			
20	16QAM	50	0	22.35	22.40	22.33			
20	16QAM	50	24	22.31	22.40	22.23	23.3	0	
20	16QAM	50	50	22.31	22.34	22.18			
20	16QAM	100	0	22.42	22.30	22.22			
20	64QAM	1	0	22.42	22.30	22.41			
20	64QAM	1	49	22.47	22.36		23.3	0	
20	64QAM	1	99	22.45	22.34	22.39			
20	64QAM	50	0	21.35	21.43	21.37			
20	64QAM	50	24	21.37	21.44	21.28	22.3	1	
20	64QAM	50	50	21.33	21.39	21.20			
20	64QAM	100	0	21.35	21.41	21.26			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.78	22.87	22.86			
15	QPSK	1	37	22.66	22.80	22.63	23.3	0	
15	QPSK	1	74	22.76	22.78	22.83			
15	QPSK	36	0	22.78	22.76	22.70			
15	QPSK	36	20	22.75	22.69	22.78	23.3	0	
15	QPSK	36	39	22.76	22.69	22.80			
15	QPSK	75	0	22.81	22.87	22.87			
15	16QAM	1	0	22.67	22.81	22.66			
15	16QAM	1	37	22.70	22.86	22.76	23.3	0	
15	16QAM	1	74	22.80	22.81	22.87			
15	16QAM	36	0	22.29	22.38	22.32			
15	16QAM	36	20	22.18	22.29	22.11	23.3	0	
15	16QAM	36	39	22.23	22.21	22.26			
15	16QAM	75	0	22.18	22.35	22.11			
15	64QAM	1	0	22.41	22.48	22.29			
15	64QAM	1	37	22.33	22.45	22.27	23.3	0	
15	64QAM	1	74	22.42	22.30	22.41			
15	64QAM	36	0	21.21	21.31	21.26			
15	64QAM	36	20	21.26	21.30	21.22	22.3	1	
15	64QAM	36	39	21.31	21.34	21.14			
15	64QAM	75	0	21.30	21.35	21.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.87	22.82	22.86			
10	QPSK	1	25	22.75	22.86	22.86	23.3	0	
10	QPSK	1	49	22.74	22.83	22.83			
10	QPSK	25	0	22.81	22.86	22.85			
10	QPSK	25	12	22.80	22.72	22.74	23.3	0	
10	QPSK	75	0	22.72	22.78	22.78			
10	QPSK	50	0	22.73	22.82	22.72			
10	16QAM	1	0	22.64	22.90	22.70			
10	16QAM	1	25	22.69	22.92	22.76	23.3	0	
10	16QAM	1	49	22.89	22.72	22.76			
10	16QAM	25	0	22.29	22.37	22.27			
10	16QAM	25	12	22.23	22.39	22.13	23.3	0	
10	16QAM	75	0	22.30	22.35	22.17			
10	16QAM	50	0	22.16	22.28	22.18			
10	64QAM	1	0	22.35	22.38	22.29	23.3	0	
10	64QAM	1	25	22.37	22.47	22.26			
10	64QAM	1	49	22.38	22.35	22.37			
10	64QAM	25	0	21.23	21.32	21.24			
10	64QAM	25	12	21.36	21.30	21.27	22.3	1	
10	64QAM	75	0	21.29	21.35	21.07			
10	64QAM	50	0	21.23	21.27	21.21			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.82	22.91	22.75			
5	QPSK	1	14	22.65	22.87	22.72	23.3	0	
5	QPSK	1	24	22.66	22.77	22.82			
5	QPSK	12	0	22.77	22.75	22.77			
5	QPSK	12	7	22.76	22.73	22.76	23.3	0	
5	QPSK	12	13	22.75	22.83	22.83			
5	QPSK	25	0	22.72	22.76	22.65			
5	16QAM	1	0	22.62	22.83	22.75	23.3	0	
5	16QAM	1	14	22.75	22.78	22.86			
5	16QAM	1	24	22.78	22.82	22.78			
5	16QAM	12	0	22.30	22.39	22.28	23.3	0	
5	16QAM	12	7	22.19	22.36	22.19			
5	16QAM	12	13	22.27	22.35	22.16			
5	16QAM	25	0	22.27	22.26	22.17			
5	64QAM	1	0	22.31	22.38	22.29	23.3	0	
5	64QAM	1	14	22.32	22.34	22.32			
5	64QAM	1	24	22.38	22.38	22.32			
5	64QAM	12	0	21.24	21.30	21.23			
5	64QAM	12	7	21.19	21.26	21.19	22.3	1	
5	64QAM	12	13	21.26	21.29	21.19			
5	64QAM	25	0	21.22	21.31	21.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.80	22.84	22.83			
3	QPSK	1	8	22.67	22.90	22.71	23.3	0	
3	QPSK	1	14	22.64	22.80	22.83			
3	QPSK	8	0	22.62	22.73	22.71			
3	QPSK	8	4	22.74	22.79	22.86			
3	QPSK	8	7	22.71	22.78	22.75	23.3	0	
3	QPSK	15	0	22.78	22.79	22.74			
3	16QAM	1	0	22.65	22.89	22.75			
3	16QAM	1	8	22.67	22.87	22.77	23.3	0	
3	16QAM	1	14	22.85	22.84	22.79			
3	16QAM	8	0	22.24	22.33	22.31			
3	16QAM	8	4	22.27	22.27	22.12	23.3	0	
3	16QAM	8	7	22.21	22.28	22.25			
3	16QAM	15	0	22.26	22.26	22.15			
3	64QAM	1	0	22.26	22.36	22.16			
3	64QAM	1	8	22.42	22.12	21.94	23.3	0	
3	64QAM	1	14	22.33	22.24	22.25			
3	64QAM	8	0	21.20	21.38	21.29			
3	64QAM	8	4	21.34	21.33	21.13	22.3	1	
3	64QAM	8	7	21.19	21.33	21.05			
3	64QAM	15	0	21.31	21.27	21.14			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.91	22.96	22.78			
1.4	QPSK	1	3	22.79	22.87	22.74	23.3	0	
1.4	QPSK	1	5	22.74	22.83	22.87			
1.4	QPSK	3	0	22.78	22.85	22.84			
1.4	QPSK	3	1	22.71	22.84	22.72			
1.4	QPSK	3	3	22.77	22.71	22.79	23.3	0	
1.4	QPSK	6	0	22.72	22.84	22.79			
1.4	16QAM	1	0	22.67	22.73	22.70			
1.4	16QAM	1	3	22.77	22.82	22.75			
1.4	16QAM	1	5	22.79	22.79	22.73	23.3	0	
1.4	16QAM	3	0	22.65	22.81	22.76			
1.4	16QAM	3	1	22.66	22.80	22.72			
1.4	16QAM	3	3	22.90	22.71	22.72			
1.4	16QAM	6	0	22.21	22.27	22.11	23.3	0	
1.4	16QAM	6	1	22.28	22.25	22.19			
1.4	64QAM	1	0	22.29	22.29	22.14			
1.4	64QAM	1	5	22.28	22.23	22.17	23.3	0	
1.4	64QAM	3	0	22.19	22.25	22.15			
1.4	64QAM	3	1	22.26	22.23	22.09			
1.4	64QAM	3	3	22.21	22.28	22.12	22.3	1	
1.4	64QAM	6	0	21.17	21.25	21.03			

Band 2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18600	18600	19000			
20	QPSK	1	0	22.39	22.46	22.31			
20	QPSK	1	49	22.31	22.39	22.31	22.7	0	
20	QPSK	1	99	22.30	22.43	22.36			
20	QPSK	50	0	22.36	22.45	22.41			
20	QPSK	50	50	22.27	22.42	22.37	22.7	0	
20	QPSK	100	0	22.39	22.42	22.37			
20	16QAM	1	0	22.37	22.43	22.42			
20	16QAM	1	49	22.30	22.42	22.36	22.7	0	
20	16QAM	1	99	22.37	22.38	22.36			
20	16QAM	50	0	21.83	21.92	21.88			
20	16QAM	50	50	21.81	21.94	21.86	22.7	0	
20	16QAM	100	0	21.81	21.87	21.81			
20	16QAM	100	0	21.81	21.89	21.82			
20	64QAM	1	0	21.82	21.90	21.84			
20	64QAM	1	49	22.09	22.13	21.98	22.7	0	
20	64QAM	1	99	21.94	21.96	21.90			
20	64QAM	50	0	20.62	20.60	20.61			
20	64QAM	50	50	20.61	20.74	20.66	21.7	0	
20	64QAM	100	0	20.60	20.60	20.61			
20	64QAM	100	0	20.61	20.68	20.63			
Channel									
Frequency (MHz)				18600	18600	19000	Turn-up limt (dBm)	MPR (dB)	
15	QPSK	1	0	22.33	22.41	22.35			
15	QPSK	1	37	22.24	22.29	22.23	22.7	0	
15	QPSK	1	74	22.20	22.29	22.31			
15	QPSK	1	111	22.30	22.42	22.38			
15	QPSK	36	20	22.27	22.36	22.34	22.7	0	
15	QPSK	36	56	22.17	22.35	22.26			
15	QPSK	72	0	22.31	22.34	22.34			
15	16QAM	1	0	22.22	22.42	22.32			
15	16QAM	1	37	22.33	22.30	22.35	22.7	0	
15	16QAM	1	74	22.29	22.31	22.31			
15	16QAM	36	20	21.73	21.81	21.81			
15	16QAM	36	56	21.75	21.90	21.73	22.7	0	
15	16QAM	36	92	21.70	21.81	21.76			
15	16QAM	72	0	21.78	21.79	21.74			
15	64QAM	1	0	21.79	21.95	21.94			
15	64QAM	1	37	21.86	22.05	21.87	22.7	0	
15	64QAM	1	74	21.85	21.96	21.92			
15	64QAM	36	20	20.70	20.77	20.82			
15	64QAM	36	56	20.70	20.78	20.82	21.7	1	
15	64QAM	36	92	20.72	20.80	20.77			
15	64QAM	72	0	20.75	20.87	20.80			
Channel									
Frequency (MHz)				18600	18600	19100	Turn-up limt (dBm)	MPR (dB)	
10	QPSK	1	0	22.37	22.33	22.32			
10	QPSK	1	49	22.29	22.35	22.35	22.7	0	
10	QPSK	1	99	22.31	22.30	22.37			
10	QPSK	50	0	22.27	22.36	22.32			
10	QPSK	50	50	22.22	22.27	22.24	22.7	0	
10	QPSK	100	0	22.35	22.29	22.30			
10	16QAM	1	0	22.30	22.31	22.28			
10	16QAM	1	49	22.40	22.30	22.37	22.7	0	
10	16QAM	1	99	22.28	22.25	22.23			
10	16QAM	25	0	21.68	21.85	21.83			
10	16QAM	25	50	21.78	21.80	21.74	22.7	0	
10	16QAM	25	100	21.75	21.78	21.70			
10	16QAM	50	0	21.69	21.74	21.71			
10	16QAM	50	0	21.67	22.01	21.84			
10	64QAM	1	0	21.87	22.06	21.87	22.7	0	
10	64QAM	1	49	21.85	21.86	21.87			
10	64QAM	25	0	20.77	20.80	20.78			
10	64QAM	25	50	20.75	20.83	20.79	21.7	1	
10	64QAM	25	100	20.73	20.81	20.68			
10	64QAM	50	0	20.73	20.74	20.68			
Channel									
Frequency (MHz)				18600	18600	19000	Turn-up limt (dBm)	MPR (dB)	
5	QPSK	1	0	22.33	22.45	22.36			
5	QPSK	1	12	22.27	22.25	22.27	22.7	0	
5	QPSK	1	24	22.23	22.39	22.26			
5	QPSK	1	36	22.23	22.39	22.26			
5	QPSK	12	7	22.38	22.31	22.30	22.7	0	
5	QPSK	12	13	22.25	22.34	22.28			
5	QPSK	12	19	22.28	22.36	22.30			
5	16QAM	1	0	22.22	22.32	22.30			
5	16QAM	1	12	22.26	22.36	22.33	22.7	0	
5	16QAM	1	24	22.23	22.30	22.28			
5	16QAM	12	7	21.78	21.87	21.82			
5	16QAM	12	13	21.69	21.77	21.73	22.7	0	
5	16QAM	12	19	21.68	21.86	21.78			
5	64QAM	1	0	21.80	22.01	21.80			
5	64QAM	1	12	21.87	22.06	21.94	22.7	0	
5	64QAM	12	7	20.79	20.86	20.78			
5	64QAM	12	13	20.75	20.84	20.75	21.7	1	
5	64QAM	12	19	20.73	20.73	20.65			
Channel									
Frequency (MHz)				18600	18600	19100	Turn-up limt (dBm)	MPR (dB)	
3	QPSK	1	0	22.37	22.43	22.36			
3	QPSK	1	12	22.27	22.27	22.27	22.7	0	
3	QPSK	1	24	22.19	22.32	22.27			
3	QPSK	8	0	22.31	22.37	22.38			
3	QPSK	8	4	22.27	22.27	22.27	22.7	0	
3	QPSK	7	7	22.12	22.33	22.30			
3	QPSK	16	0	22.24	22.29	22.28			
3	16QAM	1	0	22.34	22.31	22.36			
3	16QAM	1	12	22.28	22.35	22.35	22.7	0	
3	16QAM	1	14	22.28	22.27	22.15			
3	16QAM	8	0	21.74	21.86	21.78			
3	16QAM	8	4	21.80	21.86	21.80	22.7	0	
3	16QAM	8	7	21.69	21.77	21.81			
3	16QAM	16	0	21.66	21.74	21.68			
3	64QAM	1	0	21.77	21.87	21.86			
3	64QAM	1	12	21.88	22.12	21.86	22.7	0	
3	64QAM	1	14	21.79	21.88	21.82			
3	64QAM	8	0	20.75	20.84	20.75			
3	64QAM	8	4	20.80	20.86	20.80	21.7	1	
3	64QAM	8	7	20.74	20.89	20.74			
3	64QAM	16	0	20.73	20.80	20.71			
Channel									
Frequency (MHz)				18600	18600	19100	Turn-up limt (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.27	22.38	22.42			
1.4	QPSK	1	3	22.17	22.31	22.31			
1.4	QPSK	1	5	22.17	22.35	22.34	22.7	0	
1.4	QPSK	1	23	22.23	22.37	22.34			
1.4	QPSK	3	1	22.25	22.33	22.16			
1.4	QPSK	3	3	22.25	22.39	22.23			
1.4	QPSK	3	5	22.21	22.41	22.33	22.7	0	
1.4	16QAM	1	0	22.28	22.33	22.30			
1.4	16QAM	1	3	22.15	22.38	22.28			
1.4	16QAM	1	5	22.25	22.34	22.33	22.7	0	
1.4	16QAM	3	1	22.23	22.36	22.32			
1.4	16QAM	3	3	22.27	22.44	22.27			
1.4	16QAM	3	5	22.18	22.39	22.34	22.7	0	
1.4	16QAM	1	0	21.78	21.99	21.85			
1.4	64QAM	1	3	21.77	21.97	21.83			
1.4	64QAM	1	5	21.79	22.01	21.86	22.7	0	
1.4	64QAM	3	1	21.79	21.93	21.85			
1.4	64QAM	3	3	21.74	21.91	21.81			
1.4	64QAM	3	5	21.71	21.90	21.82	21.7	1	

Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.08	22.08	22.02			
20	QPSK	1	49	22.65	22.62	22.57	22.9	0	
20	QPSK	1	99	22.55	22.58	22.50			
20	QPSK	10	0	22.15	22.15	22.15			
20	QPSK	50	24	22.12	22.05	22.07			
20	QPSK	50	50	22.02	22.06	22.00	22.4	0.5	
20	QPSK	100	0	22.06	22.11	22.03			
20	16QAM	1	0	22.33	22.34	22.36			
20	16QAM	1	49	22.37	22.34	22.33	22.4	0.5	
20	16QAM	1	99	22.16	22.22	22.19			
20	16QAM	10	0	21.06	21.07	21.07			
20	16QAM	50	24	21.10	21.08	21.06	21.9	1	
20	16QAM	50	50	21.03	21.06	21.00			
20	16QAM	100	0	21.05	21.06	21.01			
20	16QAM	1	0	21.26	21.22	21.27			
20	64QAM	1	49	21.26	21.33	21.20	21.9	1	
20	64QAM	1	99	21.08	21.10	21.04			
20	64QAM	50	5	20.12	20.08	20.06			
20	64QAM	50	24	20.11	20.09	20.08	20.9	2	
20	64QAM	50	50	20.03	20.09	20.01			
20	64QAM	100	0	20.08	20.08	20.06			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.53	22.66	22.55			
15	QPSK	1	37	22.63	22.58	22.45	22.9	0	
15	QPSK	1	74	22.42	22.57	22.36			
15	QPSK	36	0	22.12	22.07	22.04			
15	QPSK	36	25	22.01	21.96	21.96	22.4	0.5	
15	QPSK	36	39	22.01	22.05	21.92			
15	QPSK	15	0	21.93	21.98	21.99			
15	16QAM	1	0	22.24	22.25	22.32			
15	16QAM	1	37	22.22	22.37	22.22	22.4	0.5	
15	16QAM	1	74	22.11	22.02	22.14			
15	16QAM	36	0	21.04	21.05	20.92			
15	16QAM	36	25	21.02	20.96	20.97	21.9	1	
15	16QAM	36	39	21.02	21.04	20.93			
15	16QAM	15	0	20.96	20.96	20.98			
15	64QAM	1	0	21.19	21.14	21.25			
15	64QAM	1	37	21.12	21.29	21.17	21.9	1	
15	64QAM	1	74	20.99	20.97	20.97			
15	64QAM	36	0	20.01	19.93	19.96			
15	64QAM	36	25	20.00	19.96	19.94	20.9	2	
15	64QAM	36	39	19.99	19.97	19.97			
15	64QAM	15	0	20.03	20.00	19.96			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.54	22.68	22.49			
10	QPSK	1	25	22.53	22.59	22.54	22.9	0	
10	QPSK	1	49	22.43	22.45	22.45			
10	QPSK	25	0	22.07	22.17	21.97			
10	QPSK	25	12	22.11	22.01	21.96	22.4	0.5	
10	QPSK	25	36	22.10	21.97	21.98			
10	QPSK	50	0	21.95	22.07	21.95			
10	16QAM	1	0	22.22	22.20	22.37			
10	16QAM	1	25	22.12	22.05	22.18	22.4	0.5	
10	16QAM	1	49	22.01	22.17	22.15			
10	16QAM	25	0	20.98	20.96	21.06			
10	16QAM	25	12	21.02	20.95	21.01	21.9	1	
10	16QAM	25	36	21.02	20.97	20.94			
10	16QAM	50	0	20.95	20.98	20.98			
10	64QAM	1	0	21.18	21.09	21.16			
10	64QAM	1	25	21.23	21.20	21.18	21.9	1	
10	64QAM	1	49	21.04	21.08	21.04			
10	64QAM	25	0	20.02	20.00	19.99			
10	64QAM	25	12	19.99	19.97	19.97	20.9	2	
10	64QAM	25	36	19.98	19.97	19.97			
10	64QAM	50	0	20.04	20.05	19.90			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.65	22.62	22.48			
5	QPSK	1	25	22.56	22.55	22.45	22.9	0	
5	QPSK	1	24	22.51	22.45	22.43			
5	QPSK	12	0	22.08	22.14	22.03			
5	QPSK	12	7	22.05	22.05	21.97	22.4	0.5	
5	QPSK	12	13	21.96	21.98	21.87			
5	QPSK	25	0	21.96	22.06	21.89			
5	16QAM	1	0	22.20	22.25	22.31	22.4	0.5	
5	16QAM	1	12	22.11	22.18	22.18			
5	16QAM	1	24	22.14	22.07	22.11			
5	16QAM	12	0	21.07	21.02	21.05	21.9	1	
5	16QAM	12	7	21.09	20.95	20.97			
5	16QAM	12	13	21.00	20.97	20.96			
5	16QAM	25	0	20.92	20.94	21.01			
5	64QAM	1	0	21.17	21.15	21.24	21.9	1	
5	64QAM	1	12	21.14	21.21	21.15			
5	64QAM	1	24	21.04	21.06	20.93			
5	64QAM	12	0	20.06	19.94	19.97	20.9	2	
5	64QAM	12	7	19.97	19.95	19.97			
5	64QAM	12	13	19.92	19.93	19.96			
5	64QAM	25	0	19.99	19.98	20.04			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.51	22.54	22.47			
3	QPSK	1	8	22.61	22.50	22.44	22.9	0	
3	QPSK	1	14	22.46	22.45	22.39			
3	QPSK	8	0	22.06	22.04	22.09			
3	QPSK	8	4	22.11	22.04	21.99	22.4	0.5	
3	QPSK	8	7	21.93	21.91	21.86			
3	QPSK	15	0	22.05	22.10	21.95			
3	16QAM	1	0	22.23	22.23	22.33			
3	16QAM	1	8	22.27	22.38	22.31	22.4	0.5	
3	16QAM	1	14	22.12	22.21	22.17			
3	16QAM	8	0	20.97	21.04	20.99	21.9	1	
3	16QAM	8	4	20.98	21.05	20.93			
3	16QAM	8	7	20.91	21.05	20.90			
3	16QAM	15	0	20.94	21.03	21.00			
3	64QAM	1	0	21.14	21.09	21.20	21.9	1	
3	64QAM	1	8	21.18	21.18	21.13			
3	64QAM	1	14	21.03	20.97	20.90			
3	64QAM	8	0	20.07	19.95	20.00	20.9	2	
3	64QAM	8	4	20.00	20.07	20.00			
3	64QAM	8	7	19.94	20.07	19.88			
3	64QAM	15	0	20.02	20.05	20.04			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.57	22.54	22.50			
1.4	QPSK	1	3	22.54	22.51	22.44	22.9	0	
1.4	QPSK	1	5	22.52	22.53	22.47			
1.4	QPSK	3	0	22.56	22.53	22.47			
1.4	QPSK	3	1	22.54	22.52	22.47			
1.4	QPSK	3	3	22.55	22.53	22.47	22.4	0.5	
1.4	QPSK	6	0	22.06	22.01	21.96			
1.4	16QAM	1	0	22.25	22.30	22.25			
1.4	16QAM	1	3	22.26	22.31	22.20	22.4	0.5	
1.4	16QAM	1	5	22.22	22.31	22.24			
1.4	16QAM	3	0	21.06	21.03	21.06			
1.4	16QAM	3	3	22.01	22.02	21.94	21.9	1	
1.4	64QAM	1	0	21.24	21.25	21.15			
1.4	64QAM	1	3	21.17	21.22	21.14	21.9	1	
1.4	64QAM	1	5	21.17	21.23	21.18			
1.4	64QAM	3	0	21.16	21.14	21.07			
1.4	64QAM	3	1	21.16	21.15	21.06			
1.4	64QAM	3	3	21.16	21.14	21.04	20.9	2	
1.4	64QAM	6	0	20.03	20.02	19.94			

Band 5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20450	20525	20590			
10	QPSK	1	0	23.82	23.85	23.82			
10	QPSK	1	25	23.76	23.73	23.67	24.8	0	
10	QPSK	1	49	23.74	23.75	23.74			
10	QPSK	25	0	22.33	22.35	22.30			
10	QPSK	25	12	22.26	22.26	22.20	23.8	1	
10	QPSK	25	25	22.28	22.27	22.19			
10	QPSK	50	0	22.25	22.30	22.21			
10	16QAM	1	0	22.60	22.60	22.61			
10	16QAM	1	25	22.63	22.56	22.43	23.8	1	
10	16QAM	1	49	22.54	22.54	22.52			
10	16QAM	25	0	21.34	21.22	21.21			
10	16QAM	25	12	21.34	21.24	21.20	22.8	2	
10	16QAM	25	25	21.29	21.19	21.17			
10	16QAM	50	0	21.35	21.25	21.21			
10	64QAM	1	0	21.49	21.44	21.45			
10	64QAM	1	25	21.52	21.41	21.32	22.8	2	
10	64QAM	1	49	21.44	21.42	21.42			
10	64QAM	25	0	20.35	20.23	20.24			
10	64QAM	25	12	20.34	20.25	20.19	21.8	3	
10	64QAM	25	25	20.29	20.20	20.19			
10	64QAM	50	0	20.34	20.23	20.20			
Channel				20425	20505	205625	Turn-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				20.42	20.50	20.56			
5	QPSK	1	0	23.87	23.73	23.72			
5	QPSK	1	12	23.61	23.61	23.66	24.8	0	
5	QPSK	1	24	23.61	23.63	23.60			
5	QPSK	12	0	22.18	22.21	22.20			
5	QPSK	12	7	22.13	22.14	22.11	23.8	1	
5	QPSK	12	13	22.17	22.23	22.13			
5	QPSK	25	0	22.20	22.25	22.20			
5	16QAM	1	0	22.87	22.87	22.83	23.8	1	
5	16QAM	1	12	22.60	22.51	22.29			
5	16QAM	1	24	22.44	22.39	22.38			
5	16QAM	12	0	21.28	21.21	21.11	22.8	2	
5	16QAM	12	7	21.27	21.13	21.03			
5	16QAM	12	13	21.17	21.20	21.09			
5	16QAM	25	0	21.29	21.17	21.17			
5	64QAM	1	0	21.39	21.31	21.35			
5	64QAM	1	12	21.45	21.32	21.25	22.8	2	
5	64QAM	1	24	21.41	21.34	21.31			
5	64QAM	12	0	20.34	20.22	20.17			
5	64QAM	12	7	20.32	20.23	20.04	21.8	3	
5	64QAM	12	13	20.28	20.15	20.07			
5	64QAM	25	0	20.26	20.10	20.11			
Channel				20450	20525	20590	Turn-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				20.45	20.525	20.595			
3	QPSK	1	0	23.75	23.73	23.69			
3	QPSK	1	8	23.72	23.69	23.56	24.8	0	
3	QPSK	1	16	23.71	23.71	23.67			
3	QPSK	8	0	22.23	22.21	22.16			
3	QPSK	8	4	22.16	22.17	22.16	23.8	1	
3	QPSK	8	7	22.25	22.20	22.05			
3	QPSK	16	0	22.20	22.20	22.17			
3	16QAM	1	0	22.59	22.50	22.53			
3	16QAM	1	8	22.61	22.43	22.28	23.8	1	
3	16QAM	1	16	22.50	22.48	22.41			
3	16QAM	8	0	21.29	21.19	21.14			
3	16QAM	8	4	21.29	21.17	21.16	22.8	2	
3	16QAM	8	7	21.15	21.23	21.04			
3	16QAM	16	0	21.20	21.11	21.08			
3	64QAM	1	0	21.35	21.30	21.35			
3	64QAM	1	8	21.48	21.31	21.31	22.8	2	
3	64QAM	1	16	21.29	21.35	21.34			
3	64QAM	8	0	20.34	20.30	20.22			
3	64QAM	8	4	20.29	20.10	20.14	21.8	3	
3	64QAM	8	7	20.47	20.21	20.07			
3	64QAM	16	0	20.32	20.15	20.09			
Channel				20402	20525	20563	Turn-up Int. (dBm)	MPR (dB)	
Frequency (MHz)				20.47	20.55	20.63			
1.4	QPSK	1	0	23.81	23.75	23.66			
1.4	QPSK	1	7	23.76	23.73	23.67	24.8	0	
1.4	QPSK	1	14	23.75	23.74	23.70			
1.4	QPSK	3	0	23.77	23.72	23.68			
1.4	QPSK	3	1	23.80	23.72	23.70			
1.4	QPSK	3	14	23.73	23.72	23.72			
1.4	QPSK	6	0	22.28	22.21	22.17	23.8	1	
1.4	16QAM	1	0	22.55	22.51	22.39			
1.4	16QAM	1	3	22.50	22.51	22.41			
1.4	16QAM	1	6	22.50	22.51	22.42	23.8	1	
1.4	16QAM	3	1	22.27	22.20	22.13			
1.4	16QAM	3	14	22.28	22.22	22.19			
1.4	16QAM	6	0	22.27	22.17	22.17			
1.4	64QAM	1	0	21.34	21.28	21.27	22.8	2	
1.4	64QAM	1	3	21.38	21.46	21.35			
1.4	64QAM	1	6	21.40	21.40	21.34			
1.4	64QAM	3	1	21.45	21.43	21.43	22.8	2	
1.4	64QAM	3	14	21.40	21.32	21.28			
1.4	64QAM	3	1	21.38	21.29	21.29			
1.4	64QAM	6	0	20.24	20.19	20.18	21.8	3	

Band 7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.03	21.05	21.02	21.5	0		
20	QPSK	1	49	20.96	20.96	20.93				
20	QPSK	1	99	20.97	20.99	20.91				
20	QPSK	50	0	21.00	21.00	21.01	21.5	0		
20	QPSK	50	24	20.98	20.93	20.95				
20	QPSK	50	50	20.95	21.00	21.00				
20	QPSK	100	0	20.99	21.00	20.97	21.5	0		
20	16QAM	1	0	21.02	21.00	20.98				
20	16QAM	1	49	20.94	20.94	20.90				
20	16QAM	1	99	20.90	20.96	20.94	21.5	0		
20	16QAM	50	0	20.61	20.77	20.83				
20	16QAM	50	24	20.67	20.81	20.91				
20	16QAM	50	50	20.71	20.85	20.88	21.5	0		
20	16QAM	100	0	20.65	20.80	20.84				
20	16QAM	100	0	20.90	20.87	20.93				
20	64QAM	1	49	20.86	20.98	21.03	21.5	0		
20	64QAM	1	99	20.93	20.99	21.04				
20	64QAM	50	0	19.61	19.79	19.83				
20	64QAM	50	24	19.68	19.84	19.88	20.5	1		
20	64QAM	50	50	19.71	19.83	19.86				
20	64QAM	100	0	19.66	19.82	19.85				
Channel										
Frequency (MHz)										
20	QPSK	1	0	20.99	21.01	20.87	21.5	0		
15	QPSK	1	37	20.92	20.85	20.89				
15	QPSK	1	74	20.85	20.90	20.77				
15	QPSK	36	0	20.85	20.88	20.96	21.5	0		
15	QPSK	36	20	20.93	20.81	20.83				
15	QPSK	36	39	20.90	20.94	20.91				
15	QPSK	15	0	20.85	20.85	20.84	21.5	0		
15	16QAM	1	0	20.93	20.87	20.84				
15	16QAM	1	37	20.81	20.81	20.87				
15	16QAM	1	74	20.80	20.81	20.84	21.5	0		
15	16QAM	36	0	20.60	20.64	20.78				
15	16QAM	36	20	20.66	20.75	20.84				
15	16QAM	36	39	20.63	20.70	20.87	21.5	0		
15	16QAM	15	0	20.61	20.67	20.76				
15	64QAM	1	0	20.89	20.82	20.79				
15	64QAM	1	37	20.83	20.87	20.88	21.5	0		
15	64QAM	1	74	20.79	20.80	20.89				
15	64QAM	36	0	19.60	19.77	19.72				
15	64QAM	36	20	19.60	19.71	19.77	20.5	1		
15	64QAM	36	39	19.66	19.76	19.84				
15	64QAM	15	0	19.63	19.74	19.73				
Channel										
Frequency (MHz)										
10	QPSK	1	0	20.95	20.91	20.96	21.5	0		
10	QPSK	1	25	20.87	20.90	20.79				
10	QPSK	1	49	20.88	20.84	20.84				
10	QPSK	25	0	20.94	20.96	20.97	21.5	0		
10	QPSK	25	12	20.88	20.88	20.93				
10	QPSK	25	24	20.86	20.94	20.89				
10	QPSK	50	0	20.92	20.97	20.96	21.5	0		
10	16QAM	1	0	20.95	20.88	20.86				
10	16QAM	1	25	20.89	20.88	20.88				
10	16QAM	1	49	20.78	20.91	20.79	21.5	0		
10	16QAM	25	0	20.49	20.64	20.78				
10	16QAM	25	12	20.64	20.75	20.81				
10	16QAM	25	24	20.68	20.83	20.79	21.5	0		
10	16QAM	50	0	20.96	20.70	20.83				
10	64QAM	1	0	20.79	20.79	20.84				
10	64QAM	1	25	20.79	20.83	20.89	21.5	0		
10	64QAM	1	49	20.92	20.88	20.94				
10	64QAM	25	0	19.55	19.68	19.78				
10	64QAM	25	12	19.63	19.80	19.75	20.5	1		
10	64QAM	25	24	19.70	19.70	19.76				
10	64QAM	50	0	19.55	19.73	19.81				
Channel										
Frequency (MHz)										
5	QPSK	1	0	20.89	20.89	21.01	21.5	0		
5	QPSK	1	12	20.87	20.82	20.88				
5	QPSK	1	24	20.95	20.85	20.89				
5	QPSK	12	0	20.95	20.91	20.87	21.5	0		
5	QPSK	12	7	20.86	20.90	20.90				
5	QPSK	12	13	20.88	20.91	20.97				
5	QPSK	25	0	20.85	20.87	20.88	21.5	0		
5	16QAM	1	0	20.99	20.93	20.86				
5	16QAM	1	12	20.90	20.87	20.94				
5	16QAM	1	24	20.85	20.81	20.81	21.5	0		
5	16QAM	12	0	20.92	20.87	20.72				
5	16QAM	12	7	20.62	20.68	20.80				
5	16QAM	12	13	20.62	20.64	20.83	21.5	0		
5	16QAM	25	0	20.58	20.74	20.82				
5	64QAM	1	0	20.80	20.72	20.88				
5	64QAM	1	12	20.72	20.90	20.92	21.5	0		
5	64QAM	1	24	20.92	20.87	20.98				
5	64QAM	12	0	19.59	19.70	19.79				
5	64QAM	12	7	19.58	19.73	19.80	20.5	1		
5	64QAM	12	13	19.62	19.74	19.82				
5	64QAM	25	0	19.57	19.71	19.74				

Band 7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	22.28	22.33	22.31	23	0		
20	QPSK	1	49	22.27	22.28	22.29				
20	QPSK	1	99	22.15	22.18	22.30				
20	QPSK	50	0	21.10	21.18	21.13	22	1		
20	QPSK	50	24	21.07	21.02	21.08				
20	QPSK	100	0	20.97	21.01	21.08				
20	16QAM	1	0	21.08	21.17	21.19	22	1		
20	16QAM	1	49	21.25	21.28	21.33				
20	16QAM	1	99	21.24	21.26	21.41				
20	16QAM	50	0	19.95	19.96	20.04	21	2		
20	16QAM	50	24	19.98	19.98	20.12				
20	16QAM	50	50	19.98	20.03	20.12				
20	16QAM	100	0	19.96	19.97	20.06	21	2		
20	64QAM	1	0	19.99	20.11	20.10				
20	64QAM	1	49	20.15	20.19	20.27				
20	64QAM	1	99	20.13	20.17	20.29	20	3		
20	64QAM	50	0	19.95	19.95	19.94				
20	64QAM	50	24	19.99	19.90	19.11				
20	64QAM	50	50	19.97	19.02	19.12	20	3		
20	64QAM	100	0	19.95	19.08	19.07				
20	64QAM	100	0	20.02	21.00	21.04				
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.21	22.31	22.26	23	0		
15	QPSK	1	37	22.08	22.18	22.18				
15	QPSK	1	74	22.04	22.13	22.17				
15	QPSK	36	0	21.02	21.08	21.02	22	1		
15	QPSK	36	20	20.95	20.94	21.01				
15	QPSK	36	39	20.92	21.01	21.00				
15	QPSK	15	0	20.90	21.10	21.09	22	1		
15	16QAM	1	0	21.05	21.13	21.18				
15	16QAM	1	37	21.20	21.15	21.22				
15	16QAM	1	74	21.14	21.21	21.35	21	2		
15	16QAM	36	0	19.86	19.86	19.96				
15	16QAM	36	20	19.95	19.95	20.05				
15	16QAM	36	39	19.89	19.95	20.07	21	2		
15	16QAM	15	0	19.86	19.92	19.96				
15	64QAM	1	0	19.90	19.99	20.08				
15	64QAM	1	37	20.13	20.11	20.26	21	2		
15	64QAM	1	74	20.07	20.06	20.23				
15	64QAM	36	0	18.81	18.92	18.95				
15	64QAM	36	20	18.86	18.92	18.98	20	3		
15	64QAM	36	39	18.92	18.93	18.97				
15	64QAM	15	0	18.87	18.92	18.94				
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.23	22.24	22.28	23	0		
10	QPSK	1	25	22.17	22.17	22.17				
10	QPSK	1	49	22.12	22.08	22.15				
10	QPSK	12	0	20.97	20.98	21.04	22	1		
10	QPSK	25	12	20.90	20.89	20.98				
10	QPSK	25	25	20.96	21.01	21.07				
10	QPSK	12	0	20.85	21.02	21.06	22	1		
10	16QAM	1	0	21.02	21.02	21.07				
10	16QAM	1	25	21.20	21.25	21.30				
10	16QAM	1	49	21.20	21.25	21.30	22	1		
10	16QAM	12	0	19.84	19.84	19.87				
10	16QAM	25	12	19.83	19.87	19.91				
10	16QAM	25	25	19.91	19.92	20.10	21	2		
10	16QAM	12	0	19.83	19.86	19.94				
10	64QAM	1	0	19.92	20.01	20.04				
10	64QAM	1	25	20.12	20.09	20.20	21	2		
10	64QAM	1	49	20.08	20.14	20.23				
10	64QAM	25	0	19.84	18.87	19.02				
10	64QAM	25	12	18.88	18.95	18.98	20	3		
10	64QAM	25	25	18.86	18.96	19.05				
10	64QAM	12	0	18.84	18.96	19.02				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.02	22.05	22.07	23	0		
5	QPSK	1	12	22.10	22.05	22.16				
5	QPSK	1	24	22.14	22.14	22.23				
5	QPSK	12	0	21.06	21.14	21.04	22	1		
5	QPSK	12	7	20.92	20.87	20.97				
5	QPSK	12	14	20.85	20.87	20.91				
5	16QAM	1	0	20.94	21.00	21.07	22	1		
5	16QAM	1	0	21.03	21.06	21.15				
5	16QAM	1	12	21.19	21.18	21.26				
5	16QAM	12	0	21.17	21.14	21.24	22	1		
5	16QAM	12	7	19.89	19.89	19.96				
5	16QAM	12	7	19.85	19.90	20.10				
5	16QAM	25	0	19.94	19.96	20.01	21	2		
5	64QAM	1	0	19.90	19.92	20.03				
5	64QAM	1	12	20.01	20.04	20.17				
5	64QAM	1	24	20.12	20.14	20.26	20	3		
5	64QAM	12	0	18.80	18.85	18.91				
5	64QAM	12	7	18.84	18.94	19.03				
5	64QAM	12	7	18.88	18.91	18.93				
5	64QAM	12	7	18.93	18.91	18.92				

Band 13_Ant 0

Band 13_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up lim. (dBm)	MPR (dB)
Channel				23230				
Frequency (MHz)				782				
10	QPSK	1	0	23.98			24.5	0
10	QPSK	1	25	23.93				
10	QPSK	1	49	23.94				
10	QPSK	25	0	22.50				
10	QPSK	25	12	22.45			23.5	1
10	QPSK	25	25	22.41				
10	QPSK	50	0	22.42				
10	16QAM	1	0	22.56				
10	16QAM	1	25	22.71			23.5	1
10	16QAM	1	49	22.71				
10	16QAM	25	0	21.40				
10	16QAM	25	12	21.40				
10	16QAM	25	25	21.39			22.5	2
10	16QAM	50	0	21.40				
10	64QAM	1	0	21.50				
10	64QAM	1	25	21.54				
10	64QAM	1	49	21.59			22.5	2
10	64QAM	25	0	20.39				
10	64QAM	25	12	20.40				
10	64QAM	25	25	20.41				
10	64QAM	50	0	20.41			21.5	3
Channel				23205 <th></th> <th></th>				
Frequency (MHz)				782 <th></th> <th></th>				
5	QPSK	1	0	23.85	23.89	23.95	24.5	0
5	QPSK	1	12	23.86	23.83	23.85		
5	QPSK	1	24	23.80	23.88	23.80		
5	QPSK	12	0	22.37	22.44	22.38		
5	QPSK	12	7	22.39	22.32	22.37	23.5	1
5	QPSK	12	13	22.34	22.35	22.37		
5	QPSK	25	0	22.37	22.40	22.38		
5	16QAM	1	0	22.63	22.61	22.60		
5	16QAM	1	12	22.61	22.63	22.62	23.5	1
5	16QAM	1	24	22.62	22.60	22.58		
5	16QAM	12	0	21.34	21.29	21.25		
5	16QAM	12	7	21.39	21.34	21.30		
5	16QAM	12	13	21.31	21.29	21.33	22.5	2
5	16QAM	25	0	21.38	21.35	21.27		
5	64QAM	1	0	21.47	21.51	21.42		
5	64QAM	1	12	21.46	21.52	21.53		
5	64QAM	1	24	21.51	21.47	21.49	21.5	3
5	64QAM	12	0	20.30	20.33	20.27		
5	64QAM	12	7	20.30	20.27	20.29		
5	64QAM	12	13	20.40	20.30	20.32		
5	64QAM	25	0	20.33	20.40	20.38		

Band 13_Ant 1

Band 13_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up lim (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0	24.00			24.5	0
10	QPSK	1	25	23.95				
10	QPSK	1	49	23.96				
10	QPSK	25	0	22.51			23.5	1
10	QPSK	25	12	22.45				
10	QPSK	25	25	22.44				
10	QPSK	50	0	22.45			23.5	1
10	16QAM	1	0	22.70				
10	16QAM	1	25	22.69				
10	16QAM	1	49	22.71			23.5	1
10	16QAM	25	0	21.42				
10	16QAM	25	12	21.45				
10	16QAM	25	25	21.44			22.5	2
10	16QAM	50	0	21.45				
10	64QAM	1	0	21.59				
10	64QAM	1	25	21.57			22.5	2
10	64QAM	1	49	21.61				
10	64QAM	25	0	20.43				
10	64QAM	25	12	20.43			21.5	3
10	64QAM	25	25	20.43				
10	64QAM	50	0	20.45				
Channel								
23205								
Frequency (MHz)								
5	QPSK	1	0	23.95	23.88	23.92	24.5	0
5	QPSK	1	12	23.94	23.93	23.85		
5	QPSK	1	24	23.85	23.81	23.94		
5	QPSK	12	0	22.39	22.44	22.39	23.5	1
5	QPSK	12	7	22.36	22.42	22.42		
5	QPSK	12	13	22.38	22.40	22.43		
5	QPSK	25	0	22.37	22.38	22.41	23.5	1
5	16QAM	1	0	22.61	22.63	22.58		
5	16QAM	1	12	22.59	22.60	22.60		
5	16QAM	1	24	22.60	22.69	22.65	23.5	1
5	16QAM	12	0	21.37	21.29	21.38		
5	16QAM	12	7	21.44	21.33	21.42		
5	16QAM	12	13	21.38	21.29	21.31	22.5	2
5	16QAM	25	0	21.38	21.32	21.34		
5	64QAM	1	0	21.49	21.51	21.48		
5	64QAM	1	12	21.45	21.56	21.42	22.5	2
5	64QAM	1	24	21.48	21.60	21.56		
5	64QAM	12	0	20.31	20.41	20.39		
5	64QAM	12	7	20.32	20.36	20.38	21.5	3
5	64QAM	12	13	20.31	20.31	20.30		
5	64QAM	25	0	20.36	20.33	20.38		

Band 17_Ant 0

Band 17_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up lim. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				23760	23760	23760		
10	QPSK	1	0	23.64	23.64	23.64	24.5	0
10	QPSK	1	25	23.64	23.64	23.68		
10	QPSK	1	49	23.62	23.79	23.61		
10	QPSK	25	0	22.18	22.25	22.22		
10	QPSK	25	12	22.16	22.15	22.17	23.5	1
10	QPSK	25	25	22.17	22.19	22.21		
10	QPSK	50	0	22.18	22.23	22.18		
10	16QAM	1	0	22.41	22.50	22.49		
10	16QAM	1	25	22.43	22.44	22.46	23.5	1
10	16QAM	1	49	22.60	22.68	22.55		
10	16QAM	25	0	21.17	21.17	21.16		
10	16QAM	25	12	21.13	21.13	21.16		
10	16QAM	25	25	21.15	21.18	21.19	22.5	2
10	16QAM	50	0	21.15	21.18	21.16		
10	64QAM	1	0	21.23	21.24	21.26		
10	64QAM	1	25	21.33	21.33	21.36		
10	64QAM	1	49	21.42	21.43	21.47	22.5	2
10	64QAM	25	0	20.16	20.15	20.14		
10	64QAM	25	12	20.10	20.11	20.14		
10	64QAM	25	25	20.12	20.15	20.17		
10	64QAM	50	0	20.14	20.18	20.17	21.5	3
Channel								
Frequency (MHz)				23765	23765	23765	Tune-up lim. (dBm)	MPR (dB)
5	QPSK	1	0	23.71	23.72	23.78	24.5	0
5	QPSK	1	12	23.57	23.54	23.63		
5	QPSK	1	24	23.67	23.68	23.73		
5	QPSK	12	0	22.05	22.13	22.10		
5	QPSK	12	7	22.14	22.07	22.03	23.5	1
5	QPSK	12	13	22.04	22.08	22.20		
5	QPSK	25	0	22.12	22.18	22.03		
5	16QAM	1	0	22.37	22.47	22.45		
5	16QAM	1	12	22.39	22.41	22.44	23.5	1
5	16QAM	1	24	22.36	22.45	22.45		
5	16QAM	12	0	21.09	21.09	21.12		
5	16QAM	12	7	21.02	21.04	21.01		
5	16QAM	12	13	21.05	21.14	21.08	22.5	2
5	16QAM	25	0	21.00	21.09	21.05		
5	64QAM	1	0	21.17	21.26	21.26		
5	64QAM	1	12	21.19	21.26	21.25		
5	64QAM	1	24	21.23	21.33	21.42	22.5	2
5	64QAM	12	0	20.15	20.00	20.12		
5	64QAM	12	7	20.01	19.98	20.08		
5	64QAM	12	13	20.01	20.11	20.04		
5	64QAM	25	0	20.09	20.08	20.13	21.5	3

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.67	23.68	23.63			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.62	23.78	23.71			
15	QPSK	36	0	22.52	22.52	22.52			
15	QPSK	36	20	22.80	22.78	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	75	0	22.62	22.62	22.62			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.63	21.61	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	75	0	21.86	21.86	21.76			
15	64QAM	1	0	21.99	21.98	22.00			
15	64QAM	1	37	22.03	21.98	21.90	22.8	2	
15	64QAM	1	74	21.95	21.89	21.85			
15	64QAM	36	0	20.85	20.83	20.79			
15	64QAM	36	20	20.87	20.85	20.78	21.8	3	
15	64QAM	75	0	20.73	20.80	20.76			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.76	24.8	0	
10	QPSK	1	48	23.80	23.79	23.85			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.78	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.80			
10	QPSK	50	0	22.66	22.71	22.84			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	25	0	22.62	22.69	22.82			
10	16QAM	25	12	21.74	21.80	21.66			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.66	21.73	21.57			
10	16QAM	50	0	21.73	21.77	21.76			
10	64QAM	1	0	21.84	21.87	21.84			
10	64QAM	1	25	21.98	21.83	21.84	22.8	2	
10	64QAM	1	48	21.82	21.87	21.78			
10	64QAM	25	0	20.70	20.73	20.87			
10	64QAM	25	12	20.76	20.82	20.83	21.8	3	
10	64QAM	25	25	20.77	20.73	20.69			
10	64QAM	50	0	20.81	20.80	20.86			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.84	23.79	23.85			
5	QPSK	1	12	23.83	23.73	23.72	24.8	0	
5	QPSK	1	24	23.76	23.66	23.68			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	7	22.76	22.68	22.68	23.8	1	
5	QPSK	12	7	22.79	22.72	22.72			
5	QPSK	25	0	22.67	22.81	22.73			
5	16QAM	1	0	23.08	22.94	22.93			
5	16QAM	1	12	22.85	22.97	23.02	23.8	1	
5	16QAM	1	24	22.96	22.93	22.91			
5	16QAM	12	0	21.82	21.77	21.82			
5	16QAM	12	7	21.76	21.81	21.72	22.8	2	
5	16QAM	12	7	21.66	21.79	21.61			
5	16QAM	25	0	21.73	21.69	21.76			
5	64QAM	1	0	21.91	21.90	21.91	22.8	2	
5	64QAM	1	12	22.01	21.95	21.82			
5	64QAM	1	24	21.87	21.74	21.78			
5	64QAM	12	0	20.76	20.76	20.84			
5	64QAM	12	7	20.75	20.80	20.64	21.8	3	
5	64QAM	12	7	20.73	20.74	20.68			
5	64QAM	25	0	20.81	20.85	20.89			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.77	23.74	23.76			
3	QPSK	1	8	23.74	23.73	23.77	24.8	0	
3	QPSK	1	14	23.75	23.69	23.57			
3	QPSK	8	0	22.72	22.81	22.76			
3	QPSK	8	4	22.76	22.79	22.83	23.8	1	
3	QPSK	8	7	22.74	22.79	22.78			
3	QPSK	15	0	22.67	22.76	22.65			
3	16QAM	1	0	22.97	22.85	22.97	23.8	1	
3	16QAM	1	8	23.06	23.04	22.96			
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.75	21.89			
3	16QAM	8	4	21.75	21.79	21.70	22.8	2	
3	16QAM	8	7	21.69	21.75	21.68			
3	16QAM	15	0	21.76	21.73	21.87			
3	64QAM	1	0	21.94	21.79	21.86	22.8	2	
3	64QAM	1	8	21.80	21.83	21.81			
3	64QAM	1	14	21.80	21.82	21.81			
3	64QAM	8	0	20.76	20.73	20.86			
3	64QAM	8	4	20.83	20.79	20.79	21.8	3	
3	64QAM	8	7	20.84	20.72	20.64			
3	64QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.68	23.63	23.65			
1.4	QPSK	1	3	23.82	23.79	23.85	24.8	0	
1.4	QPSK	1	5	23.86	23.80	23.71			
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	3	23.84	23.78	23.70	23.8	1	
1.4	QPSK	6	0	22.83	22.77	22.68			
1.4	16QAM	1	0	23.06	23.04	22.96			
1.4	16QAM	1	3	23.06	23.08	22.94			
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1	
1.4	16QAM	3	0	22.80	22.75	22.69			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	3	22.84	22.74	22.70			
1.4	16QAM	6	0	21.89	21.85	21.78	22.8	2	
1.4	64QAM	1	0	21.97	21.96	21.89			
1.4	64QAM	1	3	21.96	21.91	21.87			
1.4	64QAM	1	5	22.01	21.96	21.81	22.8	2	
1.4	64QAM	3	0	21.96	21.86	21.87			
1.4	64QAM	3	1	21.93	21.87	21.78			
1.4	64QAM	3	3	21.92	21.85	21.79			
1.4	64QAM	6	0	20.79	20.74	20.67	21.8	3	

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med Ch./Freq.	Power High Ch./Freq.	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	83.5	831.5	841.5			
15	QPSK	1	37	23.50	23.95	23.87	24.8	0	
15	QPSK	1	74	23.89	23.79	23.78			
15	QPSK	36	0	22.62	22.60	22.65			
15	QPSK	36	20	22.85	22.84	22.80	23.8	1	
15	QPSK	36	39	22.80	22.82	22.77			
15	16QAM	1	0	23.15	23.04	23.11			
15	16QAM	1	37	23.13	23.11	23.01	23.8	1	
15	16QAM	1	74	23.08	23.03	23.02			
15	16QAM	36	0	21.86	21.85	21.77			
15	16QAM	36	20	21.91	21.84	21.81	22.8	2	
15	16QAM	36	39	21.82	21.85	21.76			
15	16QAM	75	0	21.86	21.86	21.79			
15	64QAM	1	0	22.05	21.94	22.03			
15	64QAM	1	37	22.06	22.02	21.91	22.8	2	
15	64QAM	1	74	21.98	21.92	21.87			
15	64QAM	36	0	20.88	20.87	20.78			
15	64QAM	36	20	20.92	20.87	20.82	21.8	3	
15	64QAM	36	39	20.85	20.86	20.78			
15	64QAM	75	0	20.87	20.85	20.78			
Channel									
Frequency (MHz)									
10	QPSK	1	0	81.5	831.5	844			
10	QPSK	1	25	23.77	23.86	23.82	24.8	0	
10	QPSK	1	48	23.78	23.76	23.75			
10	QPSK	25	0	22.83	22.87	22.72			
10	QPSK	25	12	22.84	22.70	22.79	23.8	1	
10	QPSK	25	25	22.69	22.78	22.62			
10	QPSK	50	0	22.72	22.84	22.72			
10	16QAM	1	0	23.01	23.03	23.03			
10	16QAM	1	25	23.08	22.98	22.96	23.8	1	
10	16QAM	1	48	22.97	22.99	22.97			
10	16QAM	25	0	21.84	21.78	21.73			
10	16QAM	25	12	21.88	21.77	21.78	22.8	2	
10	16QAM	25	25	21.72	21.79	21.63			
10	16QAM	50	0	21.73	21.74	21.73			
10	64QAM	1	0	21.92	21.91	22.01			
10	64QAM	1	25	22.03	21.92	21.96	22.8	2	
10	64QAM	1	48	21.86	21.88	21.87			
10	64QAM	25	0	20.82	20.81	20.54			
10	64QAM	25	12	20.84	20.74	20.70	21.8	3	
10	64QAM	25	25	20.84	20.73	20.78			
10	64QAM	50	0	20.76	20.75	20.71			
Channel									
Frequency (MHz)									
5	QPSK	1	0	81.5	2685.5	2701.5			
5	QPSK	1	0	23.60	23.85	23.74			
5	QPSK	1	12	23.62	23.84	23.65	24.8	0	
5	QPSK	1	24	23.75	23.76	23.67			
5	QPSK	12	0	22.75	22.86	22.72			
5	QPSK	12	7	22.73	22.73	22.67	23.8	1	
5	QPSK	12	14	22.80	22.72	22.66			
5	QPSK	25	0	22.79	22.83	22.65			
5	16QAM	1	0	23.07	22.94	23.02			
5	16QAM	1	12	23.03	22.97	22.93	23.8	1	
5	16QAM	1	24	22.97	22.92	22.97			
5	16QAM	12	0	21.77	21.83	21.68			
5	16QAM	12	7	21.76	21.78	21.71	22.8	2	
5	16QAM	12	14	21.80	21.72	21.68			
5	16QAM	25	0	21.74	21.73	21.68			
5	64QAM	1	0	21.91	21.84	21.99			
5	64QAM	1	12	21.95	21.87	21.90	22.8	2	
5	64QAM	1	24	21.93	21.88	21.91			
5	64QAM	12	0	20.73	20.81	20.77			
5	64QAM	12	7	20.76	20.78	20.81	21.8	3	
5	64QAM	12	14	20.78	20.74	20.75			
5	64QAM	25	0	20.72	20.74	20.61			
Channel									
Frequency (MHz)									
3	QPSK	1	0	81.5	831.5	847.5			
3	QPSK	1	0	23.61	23.94	23.86			
3	QPSK	1	14	23.77	23.75	23.71	24.8	0	
3	QPSK	1	14	23.82	23.64	23.64			
3	QPSK	8	4	22.74	22.83	22.80			
3	QPSK	8	4	22.85	22.79	22.72	23.8	1	
3	QPSK	8	4	22.68	22.77	22.65			
3	QPSK	15	0	22.70	22.70	22.71			
3	16QAM	1	0	23.09	23.02	22.96			
3	16QAM	8	4	23.07	23.01	22.95	23.8	1	
3	16QAM	1	14	23.01	22.90	22.93			
3	16QAM	8	4	21.73	21.72	21.71			
3	16QAM	8	4	21.87	21.73	21.70	22.8	2	
3	16QAM	8	4	21.75	21.71	21.69			
3	16QAM	15	0	21.81	21.81	21.67			
3	64QAM	1	0	21.96	21.79	21.94			
3	64QAM	1	8	22.01	22.00	21.89	22.8	2	
3	64QAM	1	8	21.96	21.96	21.93			
3	64QAM	8	4	20.78	20.79	20.75			
3	64QAM	8	4	20.84	20.72	20.80	21.8	3	
3	64QAM	15	0	20.76	20.77	20.70			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	81.3	831.5	848.3			
1.4	QPSK	1	0	23.63	23.93	23.75			
1.4	QPSK	1	5	23.86	23.84	23.70	24.8	0	
1.4	QPSK	3	0	23.90	23.77	23.72			
1.4	QPSK	3	1	23.90	23.78	23.73			
1.4	QPSK	3	1	23.92	23.83	23.73	23.8	1	
1.4	QPSK	6	0	22.87	22.77	22.72	23.8	1	
1.4	16QAM	1	0	23.07	23.07	23.03			
1.4	16QAM	1	3	23.08	23.03	22.95			
1.4	16QAM	1	11	23.11	23.03	22.96	23.8	1	
1.4	16QAM	3	0	22.91	22.76	22.74			
1.4	16QAM	3	1	22.83	22.77	22.72			
1.4	16QAM	3	1	22.87	22.72	22.70	22.8	2	
1.4	64QAM	1	0	21.93	21.85	21.79			
1.4	64QAM	1	0	22.03	21.99	21.90			
1.4	64QAM	1	3	22.00	21.97	21.84	21.8	3	
1.4	64QAM	1	11	22.03	21.91	21.90			
1.4	64QAM	3	0	21.96	21.86	21.85	22.8	2	
1.4	64QAM	3	1	21.98	21.87	21.82			
1.4	64QAM	3	1	21.97	21.87	21.82			
1.4	64QAM	6	0	20.86	20.75	20.72	21.8	3	

Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132672			
Frequency (MHz)				1729	1745	1770			
20	QPSK	1	0	22.55	22.97	22.50	23.2	0	
20	QPSK	1	49	22.86	22.87	22.90			
20	QPSK	1	99	22.72	22.72	22.74			
20	QPSK	50	0	21.64	21.96	21.61			
20	QPSK	50	24	21.92	21.88	21.90	22.2	1	
20	QPSK	50	50	21.81	21.80	21.85			
20	QPSK	100	0	21.80	21.82	21.87			
20	16QAM	1	0	22.19	22.18	22.10			
20	16QAM	1	49	22.13	22.15	22.17	22.2	1	
20	16QAM	1	99	22.00	21.99	22.01			
20	16QAM	50	0	20.93	20.88	20.90			
20	16QAM	50	24	20.89	20.89	20.90			
20	16QAM	50	50	20.81	20.81	20.85	21.2	2	
20	16QAM	100	0	20.80	20.84	20.86			
20	64QAM	1	0	21.07	21.08	21.03			
20	64QAM	1	49	21.05	21.04	21.04			
20	64QAM	1	99	20.89	20.89	20.94	20.2	3	
20	64QAM	50	0	19.84	19.80	19.82			
20	64QAM	50	24	19.92	19.89	19.90			
20	64QAM	50	50	19.85	19.81	19.85			
20	64QAM	100	0	19.81	19.85	19.88			
Channel				132647	132922	133247	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.89	22.87	22.84	23.2	0	
15	QPSK	1	37	22.75	22.79	22.89			
15	QPSK	1	74	22.71	22.87	22.85			
15	QPSK	38	0	21.88	21.91	21.80			
15	QPSK	38	20	21.85	21.82	21.85	22.2	1	
15	QPSK	38	38	21.67	21.69	21.83			
15	QPSK	75	0	21.79	21.87	21.82			
15	16QAM	1	0	22.11	22.07	22.02			
15	16QAM	1	37	22.06	22.08	22.15	22.2	1	
15	16QAM	1	74	21.87	21.90	21.93			
15	16QAM	38	0	20.85	20.73	20.78			
15	16QAM	38	20	20.82	20.75	20.75			
15	16QAM	38	38	20.77	20.69	20.76	21.2	2	
15	16QAM	75	0	20.81	20.80	20.85			
15	64QAM	1	0	20.92	20.93	20.91			
15	64QAM	1	37	21.00	20.95	20.96			
15	64QAM	1	74	20.80	20.82	20.91	20.2	3	
15	64QAM	38	0	19.84	19.79	19.74			
15	64QAM	38	20	19.79	19.76	19.75			
15	64QAM	38	38	19.76	19.75	19.74			
15	64QAM	75	0	19.84	19.76	19.75			
Channel				132022	132322	132622	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.83	22.88	22.84	23.2	0	
10	QPSK	1	25	22.76	22.84	22.86			
10	QPSK	1	49	22.67	22.81	22.73			
10	QPSK	25	0	21.88	21.92	21.89			
10	QPSK	25	12	21.81	21.73	21.80	22.2	1	
10	QPSK	25	25	21.77	21.74	21.80			
10	QPSK	50	0	21.75	21.81	21.88			
10	16QAM	1	0	22.04	22.16	21.96			
10	16QAM	1	25	21.98	22.01	22.07	22.2	1	
10	16QAM	1	49	21.89	21.96	21.96			
10	16QAM	25	0	20.82	20.87	20.75			
10	16QAM	25	12	20.88	20.87	20.78			
10	16QAM	25	25	20.69	20.75	20.85	21.2	2	
10	16QAM	50	0	20.81	20.71	20.73			
10	64QAM	1	0	21.03	21.03	20.89			
10	64QAM	1	25	20.90	20.96	20.92			
10	64QAM	1	49	20.88	20.82	20.89	20.2	3	
10	64QAM	25	0	19.93	19.82	19.89			
10	64QAM	25	12	19.81	19.83	19.85			
10	64QAM	25	25	19.83	19.80	19.75			
10	64QAM	50	0	19.75	19.81	19.84			
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.88	22.86	22.89	23.2	0	
5	QPSK	1	12	22.73	22.85	22.84			
5	QPSK	1	24	22.61	22.61	22.62			
5	QPSK	12	0	21.85	21.87	21.84			
5	QPSK	12	7	21.81	21.86	21.80	22.2	1	
5	QPSK	12	13	21.71	21.71	21.72			
5	QPSK	25	0	21.75	21.85	21.77			
5	16QAM	1	0	22.08	22.16	21.96			
5	16QAM	1	12	22.05	22.06	22.11	22.2	1	
5	16QAM	1	24	21.87	21.90	21.95			
5	16QAM	12	0	20.85	20.77	20.77			
5	16QAM	12	7	20.85	20.75	20.78			
5	16QAM	12	13	20.72	20.68	20.77	21.2	2	
5	16QAM	25	0	20.76	20.76	20.73			
5	64QAM	1	0	20.98	20.93	20.89			
5	64QAM	1	12	20.91	21.00	20.95			
5	64QAM	1	24	20.82	20.84	20.86	20.2	3	
5	64QAM	12	0	19.85	19.75	19.82			
5	64QAM	12	7	19.83	19.84	19.80			
5	64QAM	12	13	19.82	19.80	19.75			
5	64QAM	25	0	19.90	19.73	19.75			
Channel				131987	132322	132657	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.84	22.93	22.89	23.2	0	
3	QPSK	1	8	22.72	22.74	22.79			
3	QPSK	1	14	22.57	22.62	22.70			
3	QPSK	8	0	21.87	21.82	21.89			
3	QPSK	8	4	21.86	21.84	21.84	22.2	1	
3	QPSK	8	7	21.71	21.76	21.80			
3	QPSK	15	0	21.77	21.82	21.75			
3	16QAM	1	0	22.05	22.05	22.06			
3	16QAM	1	8	22.11	22.09	22.05	22.2	1	
3	16QAM	1	14	21.97	21.86	21.86			
3	16QAM	8	0	20.92	20.74	20.85			
3	16QAM	8	4	20.76	20.89	20.77			
3	16QAM	8	7	20.71	20.70	20.72	21.2	2	
3	16QAM	15	0	20.85	20.71	20.85			
3	64QAM	1	0	21.04	20.95	21.02			
3	64QAM	1	8	21.01	20.96	20.99			
3	64QAM	1	14	20.82	20.76	20.82	20.2	3	
3	64QAM	8	0	19.84	19.86	19.78			
3	64QAM	8	4	19.87	19.87	19.85			
3	64QAM	8	7	19.78	19.66	19.83			
3	64QAM	15	0	19.77	19.70	19.87			
Channel				131979	132322	132695	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.91	22.84	22.78	23.2	0	
1.4	QPSK	1	3	22.88	22.82	22.76			
1.4	QPSK	1	5	22.91	22.80	22.80			
1.4	QPSK	3	0	22.89	22.79	22.85			
1.4	QPSK	3	1	22.90	22.79	22.81	22.2	1	
1.4	QPSK	3	3	22.89	22.79	22.81			
1.4	QPSK	6	0	21.89	21.79	21.78			
1.4	16QAM	1	0	22.13	22.09	22.03			
1.4	16QAM	1	3	22.12	22.08	22.03	22.2	1	
1.4	16QAM	1	5	22.09	22.09	22.02			
1.4	16QAM	3	0	21.86	21.79	21.79			
1.4	16QAM	3	1	21.88	21.80	21.80	21.2	2	
1.4	16QAM	3	3	21.85	21.77	21.79			
1.4	16QAM	6	0	20.93	20.87	20.86			
1.4	64QAM	1	0	21.04	21.00	20.98			
1.4	64QAM	1	3	20.99	20.98	20.93	21.2	2	
1.4	64QAM	1	5	21.02	20.95	21.02			
1.4	64QAM	3	0	21.01	20.91	20.90			
1.4	64QAM	3	1	20.97	20.88	20.90			
1.4	64QAM	6	0	19.85	19.77	19.79	20.2	3	
1.4	64QAM	6	0	19.85	19.77	19.79			

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									
Frequency (MHz)				37650	38000	38150			
20	QPSK	1	0	23.00	23.08	23.06			
20	QPSK	1	49	22.94	23.06	22.97	23.8	0	
20	QPSK	1	99	22.99	23.01	23.02			
20	QPSK	50	0	22.72	22.75	22.73			
20	QPSK	50	24	22.70	22.68	22.71	23.8	0	
20	QPSK	50	50	22.71	22.70	22.72			
20	QPSK	100	0	22.71	22.74	22.69			
20	16QAM	1	0	22.70	22.78	22.67			
20	16QAM	1	49	22.84	22.83	22.81	23.8	0	
20	16QAM	1	99	22.77	22.79	22.77			
20	16QAM	50	0	21.77	21.73	21.74			
20	16QAM	50	24	21.80	21.77	21.79	22.8	1	
20	16QAM	50	50	21.78	21.78	21.78			
20	16QAM	100	0	21.77	21.75	21.77			
20	64QAM	1	0	21.48	21.43	21.44			
20	64QAM	1	49	21.56	21.52	21.56	22.8	1	
20	64QAM	1	99	21.55	21.52	21.56			
20	64QAM	50	0	20.74	20.69	20.74			
20	64QAM	50	24	20.78	20.77	20.77	21.8	2	
20	64QAM	50	50	20.79	20.76	20.77			
20	64QAM	100	0	20.77	20.73	20.76			
Channel									
Frequency (MHz)				37625	38000	38175	Tune-up limit [dBm]	MPR [dB]	
				2572.5	2595	2617.5			
15	QPSK	1	0	22.96	23.06	22.92			
15	QPSK	1	37	22.88	23.02	22.85	23.8	0	
15	QPSK	1	74	22.96	22.93	22.94			
15	QPSK	36	0	22.65	22.67	22.67			
15	QPSK	36	20	22.56	22.60	22.60	23.8	0	
15	QPSK	36	39	22.60	22.67	22.66			
15	QPSK	75	0	22.69	22.67	22.66			
15	16QAM	1	0	22.60	22.58	22.59			
15	16QAM	1	37	22.72	22.68	22.78	23.8	0	
15	16QAM	1	74	22.64	22.76	22.75			
15	16QAM	36	0	21.74	21.60	21.71	23.8	0	
15	16QAM	36	20	21.76	21.64	21.77	22.8	1	
15	16QAM	36	39	21.64	21.73	21.68			
15	16QAM	75	0	21.75	21.60	21.73			
15	64QAM	1	0	21.33	21.35	21.39			
15	64QAM	1	37	21.50	21.42	21.43	22.8	1	
15	64QAM	1	74	21.56	21.45	21.44			
15	64QAM	36	0	20.71	20.55	20.63			
15	64QAM	36	20	20.64	20.72	20.65	21.8	2	
15	64QAM	36	39	20.73	20.61	20.73			
15	64QAM	75	0	20.72	20.59	20.66			
Channel									
Frequency (MHz)				37600	38000	38200	Tune-up limit [dBm]	MPR [dB]	
				2575	2595	2615			
10	QPSK	1	0	22.91	23.06	22.92			
10	QPSK	1	25	22.83	22.96	22.85	23.8	0	
10	QPSK	1	49	22.84	22.94	22.97			
10	QPSK	25	0	22.70	22.72	22.71			
10	QPSK	25	12	22.55	22.67	22.70	23.8	0	
10	QPSK	25	25	22.61	22.56	22.68			
10	QPSK	50	0	22.57	22.70	22.67			
10	16QAM	1	0	22.55	22.57	22.57			
10	16QAM	1	25	22.78	22.72	22.68	23.8	0	
10	16QAM	1	49	22.69	22.70	22.73			
10	16QAM	25	0	21.66	21.61	21.66			
10	16QAM	25	12	21.79	21.67	21.75	22.8	1	
10	16QAM	25	25	21.68	21.67	21.65			
10	16QAM	50	0	21.75	21.73	21.72			
10	64QAM	1	0	21.35	21.31	21.32			
10	64QAM	1	25	21.44	21.48	21.44	22.8	1	
10	64QAM	1	49	21.52	21.39	21.53			
10	64QAM	25	0	20.60	20.57	20.61			
10	64QAM	25	12	20.75	20.73	20.75	21.8	2	
10	64QAM	25	25	20.66	20.75	20.68			
10	64QAM	50	0	20.75	20.67	20.61			
Channel									
Frequency (MHz)				37775	38000	38225	Tune-up limit [dBm]	MPR [dB]	
				2572.5	2595	2617.5			
5	QPSK	1	0	22.94	22.95	23.02			
5	QPSK	1	12	22.85	23.01	22.86	23.8	0	
5	QPSK	1	24	22.84	22.94	23.00			
5	QPSK	12	7	22.57	22.58	22.59			
5	QPSK	12	13	22.59	22.59	22.62	23.8	0	
5	QPSK	25	0	22.58	22.71	22.68			
5	16QAM	1	0	22.59	22.56	22.55			
5	16QAM	1	12	22.76	22.72	22.67	23.8	0	
5	16QAM	1	24	22.76	22.67	22.65			
5	16QAM	12	0	21.76	21.70	21.70			
5	16QAM	12	7	21.76	21.68	21.76	22.8	1	
5	16QAM	12	13	21.76	21.65	21.77			
5	16QAM	25	0	21.75	21.60	21.66			
5	64QAM	1	0	21.42	21.36	21.41			
5	64QAM	1	12	21.47	21.44	21.41	22.8	1	
5	64QAM	1	24	21.53	21.50	21.43			
5	64QAM	12	0	20.67	20.65	20.67			
5	64QAM	12	7	20.72	20.70	20.74	21.8	2	
5	64QAM	12	13	20.74	20.61	20.72			
5	64QAM	25	0	20.71	20.69	20.71			

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									
Frequency (MHz)				37650	38000	38150			
20	QPSK	1	0	21.20	21.26	21.24			
20	QPSK	1	49	21.08	21.17	21.21	21.8	0	
20	QPSK	1	99	21.13	21.27	21.21			
20	QPSK	50	0	21.16	21.26	21.20			
20	QPSK	50	24	21.11	21.25	21.19	21.8	0	
20	QPSK	50	50	21.11	21.14	21.15			
20	QPSK	100	0	21.12	21.23	21.19			
20	16QAM	1	0	21.14	21.17	21.11			
20	16QAM	1	49	21.12	21.23	21.13	21.8	0	
20	16QAM	1	99	21.16	21.21	21.18			
20	16QAM	50	0	21.17	21.15	21.21			
20	16QAM	50	24	21.06	21.19	21.22	21.8	0	
20	16QAM	50	50	21.09	21.26	21.17			
20	16QAM	100	0	21.16	21.15	21.10			
20	64QAM	1	0	21.14	21.10	21.07			
20	64QAM	1	49	21.25	21.18	21.15	21.8	0	
20	64QAM	1	99	21.20	21.15	21.12			
20	64QAM	50	0	20.42	20.34	20.32			
20	64QAM	50	24	20.44	20.39	20.37	20.8	1	
20	64QAM	50	50	20.43	20.37	20.35			
20	64QAM	100	0	20.42	20.36	20.35			
Channel									
Frequency (MHz)				37625	38000	38175	Tune-up limit [dBm]	MPR [dB]	
				2572.5	2595	2617.5			
15	QPSK	1	0	21.12	21.17	21.13			
15	QPSK	1	37	20.93	21.05	21.15	21.8	0	
15	QPSK	1	74	21.05	21.22	21.11			
15	QPSK	36	0	21.11	21.19	21.06			
15	QPSK	36	20	21.08	21.22	21.06	21.8	0	
15	QPSK	36	39	21.07	21.09	21.15			
15	QPSK	75	0	21.02	21.19	21.04			
15	16QAM	1	0	21.05	21.03	21.04			
15	16QAM	1	37	21.04	21.14	21.07	21.8	0	
15	16QAM	1	74	21.03	21.10	21.05			
15	16QAM	36	0	21.10	21.08	21.14			
15	16QAM	36	20	20.90	21.10	21.17	21.8	0	
15	16QAM	36	39	20.98	21.13	21.07			
15	16QAM	75	0	21.12	21.13	20.97			
15	64QAM	1	0	21.07	21.04	20.97			
15	64QAM	1	37	21.10	21.08	21.08	21.8	0	
15	64QAM	1	74	21.06	21.15	21.07			
15	64QAM	36	0	20.35	20.32	20.20			
15	64QAM	36	20	20.37	20.29	20.35	20.8	1	
15	64QAM	36	39	20.34	20.24	20.28			
15	64QAM	75	0	20.35	20.26	20.33			
				37650	38000	38150	Tune-up limit [dBm]	MPR [dB]	
Frequency (MHz)				37625	2595	2617.5			
10	QPSK	1	0	21.09	21.21	21.19			
10	QPSK	1	25	20.98	21.15	21.09			
10	QPSK	1	49	21.02	21.21	21.17			
10	QPSK	25	0	21.01	21.24	21.16			
10	QPSK	25	12	21.00	21.24	21.07	21.8	0	
10	QPSK	25	25	20.99	21.00	21.04			
10	QPSK	50	0	20.99	21.21	21.15			
10	16QAM	1	0	21.09	21.04	21.04			
10	16QAM	1	25	21.10	21.17	21.04	21.8	0	
10	16QAM	1	49	21.14	21.07	21.17			
10	16QAM	25	0	21.02	21.08	21.15			
10	16QAM	25	12	21.02	21.09	21.17			
10	16QAM	25	25	21.12	21.14	21.05			
10	16QAM	50	0	21.14	21.14	21.06			
10	64QAM	1	0	21.09	21.04	21.02			
10	64QAM	1	49	21.05	21.14	21.07			
10	64QAM	25	0	20.30	20.20	20.22			
10	64QAM	25	12	20.32	20.28	20.32	20.8	1	
10	64QAM	25	25	20.29	20.21	20.26			
10	64QAM	50	0	20.29	20.23	20.23			
Channel									
Frequency (MHz)				37775	38000	38225	Tune-up limit [dBm]	MPR [dB]	
				2572.5	2595	2617.5			
5	QPSK	1	0	21.16	21.20	21.17			
5	QPSK	1	12	21.03	21.11	21.09			
5	QPSK	1	24	21.07	21.24	21.07			
5	QPSK	12	0	21.14	21.21	21.17	21.8	0	
5	QPSK	12	7	21.05	21.12	21.18			
5	QPSK	12	13	21.01	21.02	21.00			
5	QPSK	25	0	20.98	21.08	21.06			
5	16QAM	1	0	21.07	21.13	21.02			
5	16QAM	12	0	21.03	21.18	21.02	21.8	0	
5	16QAM	1	24	21.07	21.16	21.05			
5	16QAM	12	7	20.91	21.16	21.11			
5	16QAM	12	13	21.06	21.23	21.13			
5	16QAM	25	0	21.04	21.04	20.98			
5	64QAM	1	0	21.07	21.06	21.01			
5	64QAM	1	12	21.24	21.09	21.01	21.8	0	
5	64QAM	1	24	21.14	21.02	21.03			
5	64QAM	12	0	20.31	20.28	20.26			
5	64QAM	12	13	20.29	20.25	20.31			
5	64QAM	12	13	20.28	20.31	20.31			
5	64QAM	25	0	20.27	20.31	20.33			

Band 41_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2501	2545.5	2593	2639.5	2685		
20	QPSK	1	0	24.50	24.32	24.36	24.25	24.20		
20	QPSK	1	49	24.45	24.30	24.24	24.20	24.22	24.8	0
20	QPSK	1	99	24.47	24.24	24.09	24.15	24.16		
20	QPSK	50	0	22.10	22.09	22.08	22.05	22.05		
20	QPSK	50	24	22.09	22.05	22.03	22.00	21.98	23.8	1
20	QPSK	80	50	22.05	22.08	22.05	22.02	22.04		
20	QPSK	100	0	22.08	22.05	22.00	21.98	21.99		
20	16QAM	1	0	22.92	22.83	22.76	22.85	22.80		
20	16QAM	1	49	23.00	22.90	22.81	22.89	22.85	23.8	1
20	16QAM	1	99	23.04	22.80	22.74	22.76	22.88		
20	16QAM	50	0	22.05	21.85	21.83	21.83	21.84		
20	16QAM	50	24	22.12	21.85	21.92	21.94	21.90		
20	16QAM	50	50	22.11	21.89	21.90	21.91	21.89	22.8	2
20	16QAM	100	0	22.09	21.86	21.89	21.89	21.84		
20	64QAM	1	0	21.73	21.52	21.55	21.53	21.63		
20	64QAM	1	49	21.85	21.65	21.63	21.74	21.71	22.8	2
20	64QAM	1	99	21.83	21.59	21.57	21.63			
20	64QAM	50	0	21.04	20.83	20.94	20.82	20.86		
20	64QAM	50	24	21.11	20.84	20.81	20.84	20.83		
20	64QAM	50	50	21.12	20.86	20.86	20.86	20.88	21.8	3
20	64QAM	100	0	21.09	20.85	20.92	20.89	20.96		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515		
				2503.5	2548.5	2593	2639.5	2685.5		
15	QPSK	1	0	24.40	24.22	24.15	24.12	24.16		
15	QPSK	1	37	24.31	24.17	24.19	24.12	24.11	24.8	0
15	QPSK	1	74	24.48	24.21	23.97	24.06	24.10		
15	QPSK	36	0	22.06	21.94	21.95	22.02	21.95		
15	QPSK	36	20	22.07	21.91	22.02	21.99	21.83	23.8	1
15	QPSK	36	39	22.01	21.98	22.01	22.01	22.02		
15	QPSK	75	0	21.98	21.95	21.94	21.85	21.88		
15	16QAM	1	0	22.79	22.80	22.70	22.74	22.74		
15	16QAM	1	37	22.91	22.76	22.71	22.88	22.82	23.8	1
15	16QAM	1	74	22.93	22.65	22.64	22.74	22.82		
15	16QAM	36	0	21.91	21.71	21.77	21.76	21.78		
15	16QAM	36	20	21.92	21.79	21.86	21.90	21.86	22.8	2
15	16QAM	36	39	21.97	21.87	21.78	21.88	21.83		
15	16QAM	75	0	22.06	21.77	21.74	21.88	21.82		
15	64QAM	1	0	21.69	21.47	21.44	21.50	21.57		
15	64QAM	1	37	21.78	21.50	21.54	21.70	21.67	22.8	2
15	64QAM	1	74	21.72	21.47	21.57	21.45	21.50		
15	64QAM	36	0	20.99	20.78	20.94	20.71	20.95		
15	64QAM	36	20	21.00	20.80	20.66	20.82	20.68	21.8	3
15	64QAM	36	39	21.06	20.76	20.80	20.84	20.77		
15	64QAM	75	0	20.94	20.74	20.87	20.78	20.95		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.48	24.25	24.18	24.14	24.16		
10	QPSK	1	25	24.35	24.23	24.13	24.15	24.18	24.8	0
10	QPSK	1	49	24.32	24.20	23.98	24.07	24.03		
10	QPSK	25	0	22.06	22.06	22.03	21.93	21.96		
10	QPSK	25	12	21.94	21.90	21.96	21.94	21.87	23.8	1
10	QPSK	25	25	21.98	22.07	22.02	21.98	21.97		
10	QPSK	50	0	21.96	21.95	21.98	21.86	21.96		
10	16QAM	1	0	22.80	22.79	22.83	22.81	22.89	23.8	1
10	16QAM	1	25	22.94	22.84	22.78	22.88	22.76		
10	16QAM	1	49	23.03	22.76	22.62	22.65	22.75		
10	16QAM	25	0	22.03	21.73	21.72	21.75	21.73		
10	16QAM	25	12	22.01	21.81	21.86	21.80	21.75	22.8	2
10	16QAM	25	25	21.96	21.84	21.85	21.80	21.83		
10	16QAM	50	0	22.06	21.77	21.82	21.75	21.75		
10	64QAM	1	0	21.64	21.46	21.53	21.49	21.60		
10	64QAM	1	25	21.75	21.60	21.53	21.73	21.62	22.8	2
10	64QAM	1	49	21.74	21.55	21.44	21.47	21.54		
10	64QAM	25	0	20.90	20.71	20.86	20.75	20.80		
10	64QAM	25	12	21.02	20.82	20.77	20.79	20.71	21.8	3
10	64QAM	25	25	20.99	20.79	20.78	20.72	20.76		
10	64QAM	50	0	20.97	20.79	20.90	20.76	20.91		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
				2498.5	2545.5	2593	2640.30	2687.5		
5	QPSK	1	0	24.41	24.19	24.13	24.20	24.18		
5	QPSK	1	12	24.31	24.24	24.13	24.19	24.12	24.8	0
5	QPSK	1	24	24.40	24.12	24.08	24.09	24.06		
5	QPSK	12	0	22.01	21.98	22.00	22.03	21.99		
5	QPSK	12	7	21.96	21.96	21.93	21.92	21.92	23.8	1
5	QPSK	12	13	21.94	22.05	21.93	21.96	21.96		
5	QPSK	25	0	22.05	21.96	21.92	21.97	21.91		
5	16QAM	1	0	22.79	22.71	22.69	22.70	22.76	23.8	1
5	16QAM	1	12	22.94	22.76	22.68	22.76	22.74		
5	16QAM	1	24	22.90	22.77	22.72	22.67	22.77		
5	16QAM	12	0	21.95	21.73	21.78	21.78	21.74	22.8	2
5	16QAM	12	7	22.10	21.83	21.78	21.84	21.82		
5	16QAM	12	13	21.99	21.81	21.82	21.78	21.85		
5	64QAM	1	0	21.67	21.38	21.45	21.41	21.48		
5	64QAM	1	12	21.78	21.62	21.61	21.67	21.59	22.8	2
5	64QAM	1	24	21.76	21.51	21.53	21.46	21.58		
5	64QAM	12	0	20.95	20.76	20.87	20.76	20.80		
5	64QAM	12	7	20.97	20.69	20.70	20.73	20.75	21.8	3
5	64QAM	12	13	21.06	20.83	20.73	20.72	20.82		
5	64QAM	25	0	21.07	20.73	20.91	20.79	20.83		

Band 41_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.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40165	40620	41055	41490		
				2506	2549.5	2593	2638.5	2680		
20	QPSK	1	0	22.26	22.16	22.25	22.22	22.22		
20	QPSK	1	49	22.19	22.05	22.21	22.12	22.05	22.3	0
20	QPSK	1	99	22.18	22.10	22.12	22.16	22.10		
20	QPSK	50	0	21.43	21.40	21.42	21.39	21.30		
20	QPSK	50	24	21.27	21.35	21.40	21.34	21.25	22.3	0
20	QPSK	50	50	21.32	21.37	21.38	21.34	21.22		
20	16QAM	1	0	22.22	22.08	22.11	22.10	22.08		
20	16QAM	1	49	22.23	22.13	22.11	22.18	22.10	22.3	0
20	16QAM	1	99	22.26	22.11	22.17	22.16	22.10		
20	16QAM	50	0	21.16	21.31	21.37	21.28	21.15		
20	16QAM	50	24	21.29	21.39	21.42	21.35	21.19	21.8	0.5
20	16QAM	50	50	21.34	21.36	21.39	21.24	21.16		
20	16QAM	100	0	21.26	21.37	21.39	21.34	21.15		
20	64QAM	1	0	20.81	21.00	21.11	21.06	20.83		
20	64QAM	1	49	21.03	21.15	21.18	21.11	20.93	21.8	0.5
20	64QAM	1	99	21.04	21.12	21.16	21.07	20.86		
20	64QAM	50	0	20.17	20.27	20.36	20.25	20.15		
20	64QAM	50	24	20.28	20.31	20.37	20.24	20.15	20.8	1.5
20	64QAM	50	50	20.33	20.27	20.39	20.31	20.15		
20	64QAM	100	0	20.27	20.25	20.36	20.23	20.15		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515		
				2503.5	2549.5	2593	2639.5	2685.5		
15	QPSK	1	0	22.15	22.12	22.19	22.10	22.08		
15	QPSK	1	37	22.13	22.02	22.13	22.09	21.98	22.3	0
15	QPSK	1	74	22.15	21.98	22.07	22.11	21.97		
15	QPSK	36	0	21.31	21.36	21.39	21.33	21.24		
15	QPSK	36	20	21.19	21.33	21.39	21.19	21.15	22.3	0
15	QPSK	36	36	21.18	21.21	21.29	21.26	21.04		
15	QPSK	75	0	21.23	21.08	21.27	21.21	21.17		
15	16QAM	1	0	21.99	22.10	22.26	22.16	22.00		
15	16QAM	1	37	22.13	22.12	22.13	22.08	22.05	22.3	0
15	16QAM	1	74	22.25	22.11	22.24	22.27	22.05		
15	16QAM	36	0	21.15	21.38	21.45	21.29	21.04		
15	16QAM	36	20	21.19	21.28	21.35	21.30	21.07	21.8	0.5
15	16QAM	36	39	21.23	21.31	21.37	21.19	21.11		
15	16QAM	75	0	21.19	21.28	21.34	21.25	21.10		
15	64QAM	1	0	20.74	20.93	21.07	20.99	20.76		
15	64QAM	37	0	20.97	21.06	21.06	20.96	20.76	21.8	0.5
15	64QAM	1	24	21.02	20.96	21.05	20.95	20.76		
15	64QAM	36	0	20.09	20.15	20.35	20.22	20.03		
15	64QAM	36	20	20.24	20.30	20.27	20.09	20.04	20.8	1
15	64QAM	36	39	20.21	20.17	20.34	20.26	20.14		
15	64QAM	75	0	20.24	20.33	20.16	20.14	20.03		
Channel										
Frequency (MHz)				25021	2547	2593	2639	2685	Tune-up limit (dBm)	MPR (dB)
				26975	27409	27850	28291	28735		
10	QPSK	1	0	22.22	22.10	22.20	22.09	22.14		
10	QPSK	1	25	22.17	21.96	22.19	22.00	21.93	22.3	0
10	QPSK	1	49	22.03	21.98	22.10	22.05	21.97		
10	QPSK	25	0	21.25	21.33	21.32	21.26	21.27		
10	QPSK	25	13	21.26	21.34	21.36	21.29	21.27	22.3	0
10	QPSK	25	25	21.26	21.26	21.28	21.21	21.07		
10	QPSK	50	0	21.25	21.15	21.34	21.27	21.13		
10	16QAM	1	0	21.92	22.01	22.15	22.17	21.97		
10	16QAM	1	25	22.18	22.00	22.14	22.18	22.06	22.3	0
10	16QAM	1	49	22.19	22.09	22.19	22.11	21.97		
10	16QAM	25	0	21.01	21.19	21.26	21.20	21.14		
10	16QAM	25	12	21.14	21.32	21.38	21.26	21.10	21.8	0.5
10	16QAM	25	25	21.26	21.28	21.28	21.22	21.11		
10	16QAM	50	0	21.25	21.30	21.28	21.23	21.01		
10	64QAM	1	0	20.74	20.96	21.04	20.93	20.76		
10	64QAM	25	0	20.98	21.14	21.05	21.03	20.86	21.8	0.5
10	64QAM	1	49	21.11	20.86	21.03	21.02	20.76		
10	64QAM	25	0	20.14	20.16	20.27	20.16	20.14		
10	64QAM	25	12	20.15	20.19	20.32	20.14	20.14	20.8	1.5
10	64QAM	25	25	20.19	20.15	20.32	20.20	20.00		
Channel										
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	Tune-up limit (dBm)	MPR (dB)
				26975	27408	27850	28291	28735		
5	QPSK	1	0	22.23	22.01	22.18	22.13	22.11		
5	QPSK	1	12	22.08	22.03	22.09	21.97	21.99	22.3	0
5	QPSK	1	24	22.09	22.04	22.08	22.15	21.99		
5	QPSK	12	0	21.22	21.30	21.36	21.26	21.17		
5	QPSK	12	7	21.14	21.34	21.25	21.21	21.15	22.3	0
5	QPSK	12	13	21.26	21.31	21.28	21.27	21.12		
5	QPSK	25	0	21.20	21.09	21.25	21.28	21.19		
5	16QAM	1	0	21.88	22.04	22.17	22.04	21.90		
5	16QAM	1	12	22.13	22.16	22.19	22.11	22.04	22.3	0
5	16QAM	1	24	22.14	22.04	22.21	22.21	22.12		
5	16QAM	12	0	21.01	21.30	21.31	21.26	21.09		
5	16QAM	12	7	21.21	21.36	21.34	21.31	21.04	21.8	0.5
5	16QAM	12	13	21.24	21.30	21.32	21.10	21.08		
5	16QAM	25	0	21.22	21.21	21.33	21.33	21.03	21.8	1.5
5	64QAM	1	0	20.75	20.91	21.09	21.03	20.72		
5	64QAM	1	12	21.02	21.04	21.09	21.00	20.83	21.8	0.5
5	64QAM	1	24	20.99	20.88	21.01	21.03	20.80		
5	64QAM	12	0	20.15	20.26	20.21	20.11	20.14		
5	64QAM	12	7	20.26	20.29	20.33	20.19	20.14	20.8	1.5
5	64QAM	12	13	20.19	20.23	20.24	20.19	20.05		
5	64QAM	25	0	20.19	20.18	20.23	20.17	20.11		

Reduced Power Mode for ECI5

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
	Tx Channel	128	189		251	128	189	
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.10	31.55	32.20	33.50	23.10	22.55	23.20	24.50
GPRS 2 Tx slots	32.05	31.50	32.17	33.50	23.05	22.50	23.17	24.50
GPRS 2 Tx slots	30.16	30.10	30.20	31.00	24.16	24.10	24.20	25.00
GPRS 3 Tx slots	28.12	28.06	28.19	29.00	23.86	23.80	23.93	24.74
GPRS 4 Tx slots	27.15	27.08	27.22	28.00	24.15	24.08	24.22	25.00
EDGE 1 Tx slot	26.17	26.10	26.23	26.90	17.17	17.10	17.23	19.50
EDGE 2 Tx slots	25.13	25.05	25.20	27.00	16.13	16.05	16.20	23.00
EDGE 3 Tx slots	23.11	23.00	23.15	25.00	18.85	18.74	18.89	20.74
EDGE 4 Tx slots	22.10	22.00	22.18	23.00	19.10	19.00	19.18	20.80

GSM1900_Ant 4	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661		810	512	661	
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	29.75	29.77	29.72	30.80	20.75	20.77	20.72	21.80
GPRS 1 Tx slot	29.69	29.70	29.68	30.80	20.69	20.70	20.68	21.80
GPRS 2 Tx slots	27.79	27.80	27.72	28.90	21.79	21.80	21.72	22.90
GPRS 3 Tx slots	25.68	25.70	25.60	26.50	21.42	21.44	21.34	22.24
GPRS 4 Tx slots	24.70	24.80	24.70	25.00	21.70	21.80	21.70	22.00
EDGE 1 Tx slot	25.62	25.75	25.63	26.00	16.62	16.75	16.63	19.00
EDGE 2 Tx slots	24.62	24.68	24.54	25.80	16.62	16.68	16.54	20.50
EDGE 3 Tx slots	22.68	22.77	22.67	24.00	18.42	18.51	18.41	19.74
EDGE 4 Tx slots	20.71	20.80	20.77	22.50	17.71	17.80	17.77	18.50

Band		WCDMA I_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	24.64	24.71	24.76	25.00	18.22	18.25	18.20	18.40
3GPP Rel 99	RMC 12.2Kbps	24.74	24.80	24.77	25.00	18.27	18.29	18.25	18.40
3GPP Rel 6	HSDPA Subtest-1	23.70	23.81	23.57	24.00	18.23	18.19	18.14	18.40
3GPP Rel 6	HSDPA Subtest-2	23.70	23.78	23.59	24.00	18.23	18.21	18.10	18.40
3GPP Rel 6	HSDPA Subtest-3	23.25	23.31	23.14	23.90	18.14	18.22	18.14	18.40
3GPP Rel 6	HSDPA Subtest-4	23.19	23.29	23.08	23.80	18.25	18.22	18.19	18.40
3GPP Rel 6	DC-HSDPA Subtest-1	23.67	23.69	23.45	24.00	18.19	18.14	18.18	18.40
3GPP Rel 6	DC-HSDPA Subtest-2	23.65	23.69	23.46	24.00	18.21	18.27	18.24	18.40
3GPP Rel 6	DC-HSDPA Subtest-3	23.10	23.24	23.05	23.90	18.12	18.20	18.11	18.40
3GPP Rel 6	DC-HSDPA Subtest-4	23.06	23.21	22.93	23.90	18.14	18.20	18.17	18.40
3GPP Rel 6	HSUPA Subtest-1	21.75	21.85	21.81	22.80	18.19	18.14	18.12	18.40
3GPP Rel 6	HSUPA Subtest-2	21.74	21.83	21.58	22.00	18.24	18.28	18.24	18.40
3GPP Rel 6	HSUPA Subtest-3	22.78	22.85	22.40	23.00	18.24	18.20	18.16	18.40
3GPP Rel 6	HSUPA Subtest-4	21.23	21.34	21.14	21.90	18.14	18.17	18.19	18.40
3GPP Rel 6	HSUPA Subtest-5	22.80	22.80	22.80	24.00	18.15	18.28	18.15	18.40
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.70	21.80	21.80	22.80	18.24	18.27	18.14	18.40

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
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	24.15	24.12	24.03	25.00	24.04	24.16	24.04	25.00
3GPP Rel 99	RMC 12.2Kbps	24.20	24.22	24.17	25.00	24.15	24.20	24.18	25.00
3GPP Rel 6	HSDPA Subtest-1	23.30	23.21	23.18	24.00	23.16	23.02	23.01	24.00
3GPP Rel 6	HSDPA Subtest-2	23.25	23.20	23.17	24.00	23.13	22.98	22.96	24.00
3GPP Rel 6	HSDPA Subtest-3	22.76	22.76	22.66	23.90	22.69	22.57	22.60	23.90
3GPP Rel 6	HSDPA Subtest-4	22.77	22.70	22.68	23.90	22.62	22.53	22.52	23.90
3GPP Rel 6	DC-HSDPA Subtest-1	23.24	23.09	23.12	24.00	23.11	22.94	22.89	24.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.24	23.07	23.06	24.00	23.09	22.92	22.88	24.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.64	22.73	22.53	23.90	22.62	22.56	22.58	23.90
3GPP Rel 6	DC-HSDPA Subtest-4	22.74	22.68	22.54	23.90	22.61	22.46	22.48	23.90
3GPP Rel 6	HSUPA Subtest-1	21.30	21.23	21.19	22.00	21.05	21.05	20.98	22.50
3GPP Rel 6	HSUPA Subtest-2	21.28	21.21	21.15	22.00	20.90	20.97	20.95	21.00
3GPP Rel 6	HSUPA Subtest-3	22.20	22.25	22.16	23.00	21.91	21.95	21.97	22.00
3GPP Rel 6	HSUPA Subtest-4	20.80	20.74	20.74	21.90	20.63	20.48	20.57	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.20	22.20	24.00	22.10	22.00	22.00	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.20	21.30	21.30	22.90	21.10	21.05	21.02	22.90

GSM1800_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	
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	27.73	27.63	27.73	28.40	18.79	18.63	18.73	19.40
GPRS 1 Tx slot	27.64	27.59	27.71	28.40	18.64	18.59	18.71	19.40
GPRS 2 Tx slots	24.66	24.62	24.71	25.90	16.66	16.62	16.71	19.90
GPRS 3 Tx slots	22.98	23.02	23.00	24.40	16.72	16.76	16.74	20.14
GPRS 4 Tx slots	21.55	21.60	21.57	22.90	16.55	16.60	16.57	19.90
EDGE 1 Tx slot	25.42	25.49	25.42	27.40	16.42	16.49	16.42	18.40
EDGE 2 Tx slots	24.09	24.13	24.28	25.90	16.09	16.13	16.28	19.90
EDGE 3 Tx slots	22.07	22.16	22.30	23.40	17.61	17.60	17.64	19.14
EDGE 4 Tx slots	20.10	20.18	20.22	21.90	17.10	17.16	17.22	19.90

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	24.25	24.37	24.31	25.00	18.50	18.53	18.46	19.00
3GPP Rel 99	RMC 12.2Kbps	24.34	24.42	24.38	25.00	18.62	18.65	18.59	19.00
3GPP Rel 6	HSDPA Subtest-1	23.42	23.43	23.39	24.00	18.48	18.59	18.45	19.00
3GPP Rel 6	HSDPA Subtest-2	23.40	23.44	23.38	24.00	18.48	18.64	18.47	19.00
3GPP Rel 6	HSDPA Subtest-3	22.96	23.01	22.94	23.90	18.58	18.59	18.53	19.00
3GPP Rel 6	HSDPA Subtest-4	22.90	22.95	22.90	23.80	18.51	18.57	18.49	19.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.37	23.34	23.29	24.00	18.56	18.63	18.51	19.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.27	23.33	23.24	24.00	18.53	18.50	18.45	19.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.88	22.86	22.87	23.90	18.55	18.59	18.45	19.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.77	22.86	22.88	23.90	18.55	18.58	18.57	19.00
3GPP Rel 6	HSUPA Subtest-1	21.45	21.43	21.43	22.80	18.58	18.58	18.58	19.00
3GPP Rel 6	HSUPA Subtest-2	21.51	21.51	21.40	22.00	18.52	18.64	18.53	19.00
3GPP Rel 6	HSUPA Subtest-3	22.47	22.46	22.42	23.00	18.58	18.52	18.58	19.00
3GPP Rel 6	HSUPA Subtest-4	20.97	21.00	20.96	21.50	18.47	18.61	18.55	19.00
3GPP Rel 6	HSUPA Subtest-5	22.40	22.50	22.40	24.00	18.58	18.57	18.58	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.40	21.46	21.50	22.80	18.50	18.60	18.47	19.00

Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq [dBm]	Power Low Ch./Freq [dBm]	Power High Ch./Freq [dBm]	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.55	23.55	23.55	24.3	0	
20	QPSK	1	49	23.55	23.55	23.55			
20	QPSK	1	99	23.52	23.73	23.80			
20	QPSK	50	0	23.35	23.43	23.31	23.8	0.5	
20	QPSK	1	24	23.46	23.61	23.42			
20	QPSK	50	50	23.32	23.34	23.20			
20	QPSK	100	0	23.34	23.41	23.31			
20	16QAM	1	0	23.55	23.55	23.50	23.8	0.5	
20	16QAM	1	49	23.55	23.67	23.48			
20	16QAM	1	99	23.55	23.51	23.56			
20	16QAM	50	0	22.34	22.42	22.23			
20	16QAM	50	24	22.31	22.46	22.23	23.3	1	
20	16QAM	50	59	22.31	22.36	22.18			
20	16QAM	100	0	22.31	22.38	22.22			
20	64QAM	1	0	22.42	22.56	22.41	23.3	1	
20	64QAM	1	49	22.47	22.57	22.36			
20	64QAM	1	99	22.45	22.34	22.39			
20	64QAM	50	0	21.35	21.42	21.37			
20	64QAM	50	24	21.37	21.44	21.26	22.3	2	
20	64QAM	50	59	21.33	21.38	21.20			
20	64QAM	100	0	21.35	21.41	21.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	18.75	18.80	18.75	24.3	0	
15	QPSK	1	37	23.78	23.94	23.70			
15	QPSK	1	74	23.74	23.60	23.77			
15	QPSK	36	0	23.25	23.38	23.28	23.8	0.5	
15	QPSK	36	20	23.22	23.35	23.15			
15	QPSK	36	39	23.20	23.23	23.09			
15	QPSK	75	0	23.31	23.30	23.28			
15	16QAM	1	0	23.48	23.45	23.42	23.8	0.5	
15	16QAM	1	37	23.47	23.50	23.39			
15	16QAM	1	74	23.54	23.48	23.55			
15	16QAM	36	0	22.29	22.36	22.32	23.3	1	
15	16QAM	36	20	22.28	22.38	22.11			
15	16QAM	36	39	22.23	22.31	22.25			
15	16QAM	75	0	22.18	22.35	22.11			
15	64QAM	1	0	22.41	22.46	22.27	23.3	1	
15	64QAM	1	37	22.33	22.45	22.27			
15	64QAM	1	74	22.42	22.36	22.31			
15	64QAM	36	0	21.21	21.31	21.26	22.3	2	
15	64QAM	36	20	21.28	21.36	21.22			
15	64QAM	36	39	21.31	21.34	21.14			
15	64QAM	75	0	21.30	21.28	21.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.81	23.94	23.76	24.3	0	
10	QPSK	1	25	23.87	23.89	23.80			
10	QPSK	1	49	23.71	23.63	23.68			
10	QPSK	25	0	23.82	23.88	23.78	23.8	0.5	
10	QPSK	25	12	23.30	23.36	23.18			
10	QPSK	25	25	23.21	23.27	23.07			
10	QPSK	50	0	23.62	23.68	23.58	23.8	0.5	
10	QPSK	50	1	23.47	23.61	23.36			
10	16QAM	1	25	23.47	23.51	23.38			
10	16QAM	1	49	23.45	23.40	23.51			
10	16QAM	25	0	22.29	22.37	22.30	23.3	1	
10	16QAM	25	12	22.23	22.39	22.13			
10	16QAM	25	25	22.30	22.20	22.17			
10	16QAM	50	0	22.16	22.28	22.16	23.3	1	
10	16QAM	50	1	22.35	22.38	22.29			
10	64QAM	1	25	22.37	22.47	22.26	23.3	1	
10	64QAM	1	49	22.38	22.23	22.37			
10	64QAM	25	0	21.23	21.32	21.26	22.3	2	
10	64QAM	25	12	21.36	21.30	21.27			
10	64QAM	25	25	21.20	21.28	21.07			
10	64QAM	50	0	21.23	21.27	21.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.83	23.88	23.76	24.3	0	
5	QPSK	1	12	23.81	23.91	23.76			
5	QPSK	1	24	23.86	23.81	23.78			
5	QPSK	12	0	23.34	23.35	23.22	23.8	0.5	
5	QPSK	12	7	23.25	23.33	23.19			
5	QPSK	12	13	23.21	23.28	23.19			
5	QPSK	36	0	23.23	23.28	23.17	23.8	0.5	
5	16QAM	1	0	23.42	23.52	23.45			
5	16QAM	1	12	23.46	23.54	23.46	23.8	0.5	
5	16QAM	1	24	23.50	23.39	23.48			
5	16QAM	12	0	22.30	22.39	22.28	23.3	1	
5	16QAM	12	7	22.19	22.38	22.19			
5	16QAM	12	13	22.27	22.25	22.16			
5	16QAM	36	0	22.27	22.35	22.17	23.3	1	
5	64QAM	1	0	22.31	22.38	22.29			
5	64QAM	1	12	22.32	22.42	22.22	23.3	1	
5	64QAM	12	7	21.19	21.30	21.06	22.3	2	
5	64QAM	12	13	21.24	21.30	21.21			
5	64QAM	12	7	21.31	21.42	21.17			
5	64QAM	12	13	21.26	21.28	21.19	22.3	2	
5	64QAM	25	0	21.22	21.35	21.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.93	23.94	23.77	24.3	0	
3	QPSK	1	8	23.74	23.97	23.71			
3	QPSK	1	14	23.81	23.86	23.79			
3	QPSK	8	0	23.22	23.38	23.18	23.8	0.5	
3	QPSK	8	4	23.22	23.32	23.11			
3	QPSK	8	4	23.24	23.20	23.15			
3	QPSK	15	0	23.28	23.40	23.22			
3	16QAM	1	0	23.45	23.63	23.45	23.8	0.5	
3	16QAM	1	8	23.48	23.51	23.33			
3	16QAM	8	4	23.46	23.46	23.50			
3	16QAM	8	0	22.24	22.33	22.31	23.3	1	
3	16QAM	8	4	22.27	22.27	22.12			
3	16QAM	8	7	22.21	22.29	22.16			
3	16QAM	15	0	22.26	22.28	22.15			
3	64QAM	1	0	22.28	22.36	22.38	23.3	1	
3	64QAM	1	8	22.42	22.56	22.34			
3	64QAM	1	14	22.33	22.40	22.25			
3	64QAM	8	0	21.20	21.38	21.29	22.3	2	
3	64QAM	8	4	21.24	21.33	21.13			
3	64QAM	8	7	21.19	21.30	21.06			
3	64QAM	15	0	21.31	21.27	21.14			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.68	23.84	23.53	24.3	0	
1.4	QPSK	1	3	23.65	23.83	23.52			
1.4	QPSK	1	5	23.63	23.84	23.53			
1.4	QPSK	3	0	23.68	23.81	23.56	23.8	0.5	
1.4	QPSK	3	1	23.66	23.79	23.52			
1.4	QPSK	3	3	23.65	23.62	23.54			
1.4	QPSK	6	0	23.16	23.30	23.04	23.8	0.5	
1.4	16QAM	1	0	23.39	23.45	23.40			
1.4	16QAM	1	3	23.34	23.40	23.36			
1.4	16QAM	1	5	23.33	23.54	23.33	23.8	0.5	
1.4	16QAM	3	0	23.25	23.28	23.25			
1.4	16QAM	3	1	23.22	23.29	23.25	23.3	1	
1.4	16QAM	3	3	23.30	23.28	23.20			
1.4	16QAM	6	0	22.21	22.27	22.11			
1.4	64QAM	1	0	22.28	22.25	22.19	23.3	1	
1.4	64QAM	1	3	22.29	22.25	22.18			
1.4	64QAM	1	5	22.28	22.23	22.17			
1.4	64QAM	3	0	22.26	22.25	22.13	23.3	1	
1.4	64QAM	3	1	22.28	22.23	22.09			
1.4	64QAM	3	3	22.22	22.21	22.02			
1.4	64QAM	6	0	21.17	21.25	21.03	22.3	2	

Band 2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq [dBm]	Power Low Ch./Freq [dBm]	Power High Ch./Freq [dBm]	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	17.65	18.00	17.65	18.2	0	
20	QPSK	1	49	17.65	18.00	17.65			
20	QPSK	1	99	17.87	17.96	17.88			
20	QPSK	50	0	17.33	17.58	17.55	18.2	0	
20	QPSK	50	24	17.31	17.59	17.55			
20	QPSK	50	50	17.56	17.87	17.88			
20	QPSK	100	0	17.52	17.57	17.66			
20	16QAM	1	0	17.84	17.90	17.77	18.2	0	
20	16QAM	1	49	17.83	17.91	17.84			
20	16QAM	1	99	17.92	17.85	17.78			

Band 4_Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20650	20175	20500			
				1720	1732.5	1745			
20	QPSK	1	0	22.65	22.65	22.65	22.9	0	
20	QPSK	1	49	22.65	22.63	22.57			
20	QPSK	1	99	22.65	22.63	22.57			
20	QPSK	50	0	22.15	22.18	22.10	22.4	0.5	
20	QPSK	50	24	22.12	22.08	22.07			
20	QPSK	50	50	22.02	22.06	22.00			
20	QPSK	100	0	22.06	22.11	22.03	22.4	0.5	
20	16QAM	1	0	22.33	22.34	22.39			
20	16QAM	1	49	22.37	22.34	22.33			
20	16QAM	1	99	22.16	22.22	22.19	21.9	1	
20	16QAM	50	0	21.09	21.07	21.07			
20	16QAM	50	24	21.10	21.08	21.06			
20	16QAM	50	50	21.03	21.06	21.00	21.5	1	
20	16QAM	100	0	21.05	21.05	21.01			
20	64QAM	1	0	21.26	21.22	21.27			
20	64QAM	1	49	21.26	21.23	21.26	21.9	1	
20	64QAM	1	99	21.08	21.10	21.04			
20	64QAM	50	24	20.11	20.09	20.08			
20	64QAM	50	50	20.03	20.08	20.01	20.9	2	
20	64QAM	100	0	20.08	20.08	20.05			
Channel									
Frequency (MHz)				20625	20175	20525	Turn-up limt (dBm)	MPR (dB)	
				1717.5	1732.5	1747.5			
15	QPSK	1	0	22.63	22.66	22.55	22.9	0	
15	QPSK	1	37	22.63	22.59	22.45			
15	QPSK	1	74	22.42	22.57	22.36			
15	QPSK	36	0	22.12	22.07	22.04	22.4	0.5	
15	QPSK	36	39	22.01	21.98	21.96			
15	QPSK	75	0	21.93	21.98	21.95			
15	16QAM	1	0	22.24	22.25	22.32	22.4	0.5	
15	16QAM	1	37	22.22	22.37	22.22			
15	16QAM	1	74	22.11	22.20	22.14	21.9	1	
15	16QAM	36	0	21.04	21.05	20.92			
15	16QAM	36	39	21.02	21.06	21.00		20.9	2
15	16QAM	36	39	21.02	21.04	20.93			
15	16QAM	75	0	20.96	20.98	20.98	20.9	2	
15	64QAM	1	0	21.19	21.14	21.25			
15	64QAM	1	37	21.12	21.29	21.17			
15	64QAM	1	74	20.99	20.97	20.97	20.9	2	
15	64QAM	36	0	20.01	19.93	19.96			
15	64QAM	36	39	20.00	19.98	19.94			
15	64QAM	36	39	19.94	20.07	19.87	20.9	2	
15	64QAM	75	0	20.03	20.00	19.99			
Channel									
Frequency (MHz)				20600	20175	20500	Turn-up limt (dBm)	MPR (dB)	
				1715	1732.5	1750			
10	QPSK	1	0	22.54	22.68	22.48	22.9	0	
10	QPSK	1	25	22.53	22.59	22.54			
10	QPSK	1	49	22.43	22.52	22.45			
10	QPSK	25	0	22.07	22.17	21.97	22.4	0.5	
10	QPSK	25	12	22.11	22.01	21.96			
10	QPSK	25	25	22.10	21.97	21.98		22.4	0.5
10	QPSK	50	0	21.96	22.07	21.96			
10	16QAM	1	0	22.22	22.20	22.19	22.4	0.5	
10	16QAM	1	25	22.23	22.34	22.19			
10	16QAM	1	49	22.01	22.17	22.15		21.9	1
10	16QAM	50	0	21.02	20.95	21.01			
10	16QAM	50	25	21.02	20.91	20.96	21.9	1	
10	16QAM	50	0	20.95	20.98	20.98			
10	16QAM	50	0	21.18	21.09	21.16		21.9	1
10	64QAM	1	25	21.23	21.20	21.18			
10	64QAM	1	49	21.04	21.08	20.94	20.9	2	
10	64QAM	12	0	20.92	20.95	20.99			
10	64QAM	25	12	20.99	20.97	20.97		20.9	2
10	64QAM	25	25	20.98	20.94	20.97			
10	64QAM	50	0	20.98	20.98	20.94	20.9	2	
Channel									
Frequency (MHz)				19675	20175	20575	Turn-up limt (dBm)	MPR (dB)	
				1711.5	1732.5	1752.5			
5	QPSK	1	0	22.65	22.62	22.48	22.9	0	
5	QPSK	1	12	22.62	22.61	22.45			
5	QPSK	1	24	22.51	22.50	22.43			
5	QPSK	12	0	22.08	22.14	22.03	22.4	0.5	
5	QPSK	12	7	22.08	22.05	22.05			
5	QPSK	12	13	21.98	21.96	21.97		22.4	0.5
5	QPSK	25	0	21.96	22.01	21.95			
5	16QAM	1	0	22.20	22.25	22.30	22.4	0.5	
5	16QAM	1	12	22.21	22.35	22.20			
5	16QAM	1	24	22.14	22.19	22.11		22.4	0.5
5	16QAM	12	0	21.07	21.02	21.05			
5	16QAM	12	7	21.09	20.95	20.97	21.9	1	
5	16QAM	12	13	21.00	20.97	20.96			
5	16QAM	25	0	20.92	20.96	20.98		21.9	1
5	64QAM	1	0	21.17	21.15	21.24			
5	64QAM	1	12	21.14	21.31	21.15	21.9	1	
5	64QAM	1	24	21.04	21.08	20.93			
5	64QAM	12	0	20.96	20.98	20.97		21.9	1
5	64QAM	12	7	20.90	20.96	20.99			
5	64QAM	12	13	20.92	20.93	20.95	20.9	2	
5	64QAM	25	0	20.98	20.98	20.94			
5	64QAM	25	0	20.98	20.98	20.94		20.9	2
Channel									
Frequency (MHz)				19655	20175	20585	Turn-up limt (dBm)	MPR (dB)	
				1711.5	1732.5	1753.5			
3	QPSK	1	0	22.51	22.50	22.47	22.9	0	
3	QPSK	1	8	22.52	22.50	22.44			
3	QPSK	1	14	22.46	22.45	22.43		22.4	0.5
3	QPSK	8	0	22.06	22.04	22.09			
3	QPSK	8	4	22.11	22.04	21.99	22.4	0.5	
3	QPSK	8	7	21.93	21.91	21.96			
3	QPSK	15	0	22.05	22.10	21.95			
3	16QAM	1	0	22.23	22.23	22.33	22.4	0.5	
3	16QAM	1	8	22.27	22.05	22.31			
3	16QAM	1	14	22.12	22.21	22.17		21.9	1
3	16QAM	8	0	20.97	21.04	20.99			
3	16QAM	8	4	20.98	21.05	20.93	21.9	1	
3	16QAM	8	7	20.91	21.09	20.90			
3	16QAM	15	0	20.94	21.03	21.00		21.9	1
3	64QAM	1	0	21.14	21.06	21.20			
3	64QAM	1	8	21.18	21.18	21.13	20.9	2	
3	64QAM	1	14	21.03	20.97	20.97			
3	64QAM	8	0	20.97	19.95	20.90		20.9	2
3	64QAM	8	4	20.90	20.97	20.90			
3	64QAM	8	7	19.94	20.97	19.98		20.9	2
3	64QAM	15	0	20.02	20.05	20.04			
Channel									
Frequency (MHz)				1701.7	20175	1754.3	Turn-up limt (dBm)	MPR (dB)	
				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	22.57	22.54	22.50	22.9	0	
1.4	QPSK	1	3	22.54	22.51	22.44			
1.4	QPSK	1	5	22.52	22.53	22.47		22.9	0
1.4	QPSK	3	0	22.56	22.53	22.47			
1.4	QPSK	3	1	22.54	22.52	22.47	22.4	0.5	
1.4	QPSK	3	20.55	22.53	22.47				
1.4	QPSK	6	0	22.06	22.01	21.95		22.4	0.5
1.4	16QAM	1	0	22.25	22.30	22.25			
1.4	16QAM	1	3	22.26	22.31	22.26	22.4	0.5	
1.4	16QAM	1	5	22.22	22.31	22.24			
1.4	16QAM	3	0	22.04	22.02	21.95		21.9	1
1.4	16QAM	3	1	22.05	22.02	21.96			
1.4	16QAM	3	3	22.01	22.02	21.94		21.9	1
1.4	64QAM	1	0	21.24	21.25	21.15			
1.4	64QAM	1	3	21.17	21.23	21.14	21.9	1	
1.4	64QAM	1	5	21.17	21.23	21.16			
1.4	64QAM	3	0	21.18	21.14	21.07		21.9	1
1.4	64QAM	3	1	21.16	21.16	21.06			
1.4	64QAM	3	3	21.16	21.14	21.04	20.9	2	
1.4	64QAM	6	0	20.03	20.02	19.94			

Band 5_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [dBm]	Power Mid Ch [dBm]	Power High Ch [dBm]	Turn-up limt [dBm]	MPR (dB)	
Channel									
Frequency (MHz)				20450	20525	20600			
				829	836.5	844			
10	QPSK	1	0	23.80	23.85	23.82	24.8	0	
10	QPSK	1	25	23.76	23.73	23.67			
10	QPSK	1	49	23.74	23.75	23.74		23.8	1
10	QPSK	25	0	22.33	22.35	22.25			
10	QPSK	25	12	22.26	22.26	22.22	23.8	1	
10	QPSK	25	25	22.28	22.27	22.19			
10	QPSK	50	0	22.25	22.29	22.26	23.8	1	
10	16QAM	1	0	22.60	22.60	22.61			
10	16QAM	1	25	22.63	22.56	22.43	23.8	1	
10	16QAM	1	49	22.54	22.54	22.52			
10	16QAM	25	0	21.34	21.22	21.25		22.8	2
10	16QAM	25	12	21.34	21.24	21.29			
10	16QAM	25	25	21.29	21.26	21.17	22.8	2	
10	16QAM	50	0	21.35	21.25	21.21			
10	64QAM	1	0	21.49	21.44	21.45	22.8	2	
10	64QAM	1	28	21.52	21.39	21.32			
10	64QAM	1	49	21.44	21.42	21.42	21.8	3	
10	64QAM	25	0	20.33	20.25	20.21			
10	64QAM	25	12	20.34	20.25	20.19	21.8	3	
10	64QAM	25	25	20.29	20.27	20.19			
10	64QAM	50	0	20.34	20.23	20.20			
Channel									
Frequency (MHz)				20495	20525	20625	Turn-up limt [dBm]	MPR (dB)	
				867.5	836.5	846.5			
5	QPSK	1	0	23.67	23.73	23.72	24.8	0	
5	QPSK	1	12	23.61	23.61	23.66			
5	QPSK	1	24	23.61	23.61	23.66		23.8	1
5	QPSK	12	0	22.18	22.30	22.23			
5	QPSK	12	7	22.13	22.14	22.11	23.8	1	
5	QPSK	12	19	22.17	22.12	22.13			
5	QPSK	25	0	22.20	22.20	22.13		23.8	1
5	16QAM	1	0	22.67	22.49	22.53			
5	16QAM	1	12	22.60	22.51	22.29	23.8	1	
5	16QAM	1	24	22.44	22.35	22.31			
5	16QAM	12	0	21.28	21.21	21.11		22.8	2
5	16QAM	12	7	21.27	21.13	21.19			
5	16QAM	12	13	21.17	21.20	21.09	22.8	2	
5	16QAM	12	19	21.29	21.17	21.17			
5	64QAM	1	0	21.39	21.34	21.35		22.8	2
5	64QAM	1	12	21.46	21.32	21.25			
5	64QAM	1	24	21.41	21.34	21.34	21.8	3	
5	64QAM	12	0	20.34	20.22	20.17			
5	64QAM	12	7	20.32	20.23	20.04	21.8	3	
5	64QAM	12	13	20.28	20.15	20.07			
5	64QAM	12	19	20.26	20.10	20.11			
Channel									
Frequency (MHz)				8015 <th>8365<th>847.5<th>Turn-up limt [dBm]</th><th>MPR (dB)</th></th></th>	8365 <th>847.5<th>Turn-up limt [dBm]</th><th>MPR (dB)</th></th>	847.5 <th>Turn-up limt [dBm]</th> <th>MPR (dB)</th>	Turn-up limt [dBm]	MPR (dB)	
				824.7 <th>836.5<th>846.3<th></th><th></th></th></th>	836.5 <th>846.3<th></th><th></th></th>	846.3 <th></th> <th></th>			
3	QPSK	1	0	23.75	23.73	23.69	24.8	0	
3	QPSK	1	13	23.72	23.68	23.56			
3	QPSK	1	13	23.71	23.72	23.69		23.8	1
3	QPSK	8	4	22.23	22.21	22.16			
3	QPSK	8	4	22.16	22.17	22.16	23.8	1	
3	QPSK	8	4	22.25	22.20	22.05			
3	QPSK	15	0	22.20	22.21	22.16		22.8	2
3	16QAM	1	0	22.59	22.50	22.53			
3	16QAM	1	8	22.61	22.47	22.28	23.8	1	
3	16QAM	1	8	22.50	22.48	22.48			
3	16QAM	8	0	21.29	21.19	21.14		22.8	2
3	16QAM	8	4	21.29	21.17	21.15			
3	16QAM	8	4	21.15	21.25	21.08	22.8	2	
3	64QAM	1	0	21.36	21.31	21.31			
3	64QAM	1	8	21.48	21.31	21.31		21.8	3
3	64QAM	1	21	21.29	21.33	21.34			
3	64QAM	8	0	20.34	20.20	20.22	21.8	3	
3	64QAM	8	4	20.23	20.10	20.14			
3	64QAM	8	4	20.24	20.27	20.07		21.8	3
3	64QAM	15	0	20.37	20.15	20.09			
Channel									
Frequency (MHz)				824.7 <th>836.5<th>846.3<th>Turn-up limt [dBm]</th><th>MPR (dB)</th></th></th>	836.5 <th>846.3<th>Turn-up limt [dBm]</th><th>MPR (dB)</th></th>	846.3 <th>Turn-up limt [dBm]</th> <th>MPR (dB)</th>	Turn-up limt [dBm]	MPR (dB)	
				824.7 <th>836.5<th>846.3</th><th></th><th></th></th>	836.5 <th>846.3</th> <th></th> <th></th>	846.3			
1.4	QPSK	1	0	23.71	23.73	23.66	24.8	0	
1.4	QPSK	1	13	23.78	23.73	23.66			
1.4	QPSK	1	13	23.75	23.74	23.70		23.8	1
1.4	QPSK	3	0	22.87	23.72	23.68			
1.4	QPSK	3	1	22.88	23.72	23.70	23.8	1	
1.4	QPSK	3	1	22.79	23.73	23.72			
1.4	QPSK	6	0	22.26	22.21	22.17		22.8	2
1.4	16QAM	1	0	22.55	22.51	22.39			
1.4	16QAM	1	1	22.50	22.51	22.42	23.8	1	
1.4	16QAM	1	5	22.50	22.51	22.41			
1.4	16QAM	3	1	22.27	22.20	22.13		22.8	2
1.4	16QAM	3	1	22.28	22.22	22.19			
1.4	16QAM	6	0	21.40	21.37	21.17	22.8	2	
1.4	16QAM	6	0	21.34	21.28	21.27			
1.4	64QAM	1	0	21.48	21.46	21.35		22.8	2
1.4	64QAM	1	1	21.40	21.40	21.34			
1.4	64QAM	1	5	21.45	21.42	21.34	21.8		3
1.4	64QAM	3	1	21.38	21.29	21.29			
1.4	64QAM	3	1	21.38	21.31	21.29	21.8	3	
1.4	64QAM	6	0	20.24	20.19	20.18			

Band 7_Ant 3

Band 7_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
				20650	21100	21350				
				2510	2535	2560				
Frequency (MHz)										
20	QPSK	1	0	21.03	21.05	21.02	21.5	0		
20	QPSK	1	49	20.94	20.96	20.93				
20	QPSK	1	99	20.97	20.99	20.91				
20	QPSK	50	0	21.03	21.03	21.01	21.5	0		
20	QPSK	50	24	20.98	20.97	20.95				
20	QPSK	50	50	20.95	21.00	21.00				
20	QPSK	100	0	20.99	21.00	20.97	21.5	0		
20	16QAM	1	0	21.02	21.00	20.98				
20	16QAM	1	49	20.94	20.94	20.94				
20	16QAM	1	99	20.99	20.95	20.94	21.5	0		
20	16QAM	50	0	20.61	20.77	20.83				
20	16QAM	50	24	20.67	20.81	20.91		21.5	0	
20	16QAM	50	50	20.71	20.85	20.88				
20	16QAM	100	0	20.65	20.80	20.84	21.5	0		
20	64QAM	1	0	20.90	20.87	20.93				
20	64QAM	1	49	20.86	20.98	21.03		21.5	0	
20	64QAM	1	99	20.93	20.99	21.04				
20	64QAM	50	0	19.61	19.79	19.83	20.5	1		
20	64QAM	50	24	19.68	19.84	19.88				
20	64QAM	50	50	19.71	19.83	19.86				
20	64QAM	100	0	19.66	19.82	19.85				
Channel										
				20825	21100	21375				
				2507.5	2535	2562.5				
Frequency (MHz)										
15	QPSK	1	0	20.92	21.01	21.07	21.5	0		
15	QPSK	1	37	20.92	20.85	20.89				
15	QPSK	1	74	20.95	20.94	20.77		21.5	0	
15	QPSK	36	0	20.85	20.88	20.96				
15	QPSK	36	20	20.93	20.81	20.83	21.5	0		
15	QPSK	36	39	20.90	20.84	20.91				
15	QPSK	75	0	20.85	20.99	20.94				
15	16QAM	1	0	20.83	20.97	20.84	21.5	0		
15	16QAM	1	37	20.81	20.87	20.81				
15	16QAM	1	74	20.80	20.81	20.83		21.5	0	
15	16QAM	36	0	20.60	20.64	20.78				
15	16QAM	36	20	20.66	20.74	20.84	21.5	0		
15	16QAM	36	39	20.63	20.79	20.87				
15	16QAM	75	0	20.61	20.67	20.76	21.5	0		
15	64QAM	1	0	20.89	20.92	20.79				
15	64QAM	1	37	20.83	20.87	20.88	21.5	0		
15	64QAM	1	74	20.79	20.86	20.99				
15	64QAM	36	0	19.60	19.77	19.72	20.5	1		
15	64QAM	36	20	19.66	19.71	19.77				
15	64QAM	36	39	19.66	19.75	19.84		20.5	1	
15	64QAM	75	0	19.63	19.74	19.73				
Channel										
				25000	21100	21400				
				25000	25350	25650				
Frequency (MHz)										
10	QPSK	1	0	20.95	20.91	20.96	21.5	0		
10	QPSK	1	25	20.87	20.90	20.79				
10	QPSK	1	49	20.88	20.94	20.84		21.5	0	
10	QPSK	25	0	20.94	20.96	20.97				
10	QPSK	25	12	20.88	20.88	20.93	21.5	0		
10	QPSK	25	25	20.88	20.94	20.89				
10	QPSK	50	0	20.92	20.97	20.96		21.5	0	
10	16QAM	1	0	20.95	20.86	20.96				
10	16QAM	1	25	20.89	20.88	20.88	21.5	0		
10	16QAM	1	49	20.78	20.91	20.79				
10	16QAM	25	0	20.49	20.64	20.78		21.5	0	
10	16QAM	25	12	20.64	20.75	20.81				
10	16QAM	25	25	20.68	20.83	20.79	21.5	0		
10	16QAM	50	0	20.56	20.70	20.83				
10	16QAM	1	0	20.79	20.79	20.84		21.5	0	
10	64QAM	1	25	20.79	20.83	20.89				
10	64QAM	1	49	20.92	20.88	20.94	20.5	1		
10	64QAM	25	0	19.55	19.68	19.78				
10	64QAM	25	12	19.63	19.80	19.75		20.5	1	
10	64QAM	25	25	19.70	19.70	19.76				
10	64QAM	50	0	19.55	19.75	19.81	20.5	1		
				20975	21100	21425				
				25075	25350	25675				
Frequency (MHz)										
5	QPSK	1	0	20.89	20.89	21.01	21.5	0		
5	QPSK	1	12	20.87	20.85	20.88				
5	QPSK	1	24	20.95	20.95	20.89		21.5	0	
5	QPSK	12	0	20.95	20.91	20.87				
5	QPSK	12	7	20.96	20.90	20.90	21.5	0		
5	QPSK	25	0	20.85	20.97	20.97				
5	16QAM	1	0	20.85	20.87	20.98	21.5	0		
5	16QAM	1	12	20.90	20.85	20.84				
5	16QAM	1	24	20.85	20.91	20.79		21.5	0	
5	16QAM	12	0	20.92	20.87	20.72				
5	16QAM	12	7	20.62	20.68	20.80	21.5	0		
5	16QAM	12	13	20.62	20.84	20.83				
5	16QAM	25	0	20.58	20.74	20.92	21.5	0		
5	64QAM	1	0	20.80	20.72	20.88				
5	64QAM	1	12	20.72	20.90	20.92	21.5	0		
5	64QAM	1	24	20.92	20.87	20.86				
5	64QAM	12	0	19.59	19.70	19.79		20.5	1	
5	64QAM	12	7	19.58	19.73	19.80				
5	64QAM	12	13	19.62	19.74	19.82				
5	64QAM	25	0	19.57	19.71	19.74				

Band 7_Ant 1

Band 7_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)		
Channel										
				20650	21100	21350				
				2510	2535	2560				
Frequency (MHz)										
20	QPSK	1	0	22.28	22.33	22.31	23	0		
20	QPSK	1	49	22.21	22.20	22.29				
20	QPSK	1	99	22.15	22.18	22.30		22	1	
20	QPSK	50	0	21.03	21.15	21.13				
20	QPSK	50	24	21.00	21.10	21.11	22	1		
20	QPSK	50	50	20.97	21.02	21.08				
20	QPSK	100	0	20.97	21.12	21.08	22	1		
20	16QAM	1	0	21.08	21.17	21.19				
20	16QAM	1	49	21.25	21.28	21.33		22	1	
20	16QAM	1	99	21.24	21.26	21.41				
20	16QAM	50	0	19.95	19.96	20.04	21	2		
20	16QAM	50	24	19.98	19.98	20.12				
20	16QAM	50	50	19.98	20.03	20.12		21	2	
20	16QAM	100	0	19.96	19.97	20.06				
20	64QAM	1	0	19.89	20.11	20.10	21	2		
20	64QAM	1	49	20.15	20.19	20.27				
20	64QAM	1	99	20.13	20.17	20.29		20	3	
20	64QAM	50	0	18.95	18.95	19.04				
20	64QAM	50	24	18.96	19.00	19.11	20	3		
20	64QAM	50	50	18.97	19.02	19.12				
20	64QAM	100	0	18.96	18.98	19.07				
Channel										
				20825	21100	21375	Turn-up limt (dBm)	MPR (dB)		
				2507.5	2535	2562.5				
Frequency (MHz)										
15	QPSK	1	0	22.21	22.31	22.26	23			
15	QPSK	1	37	22.08	22.18	22.18				
15	QPSK	1	74	22.04	22.13	22.17		22	1	
15	QPSK	36	0	21.02	21.08	21.02	22	1		
15	QPSK	36	20	20.95	20.94	21.01				
15	QPSK	36	39	20.92	21.01	21.00		22	1	
15	QPSK	20	0	20.90	21.10	21.05				
15	16QAM	1	0	21.05	21.13	21.18	22	1		
15	16QAM	1	37	21.20	21.15	21.22				
15	16QAM	1	74	21.14	21.21	21.30		21	2	
15	16QAM	36	0	19.86	19.86	19.96				
15	16QAM	36	20	19.95	19.95	20.05	21	2		
15	16QAM	36	39	19.89	19.95	20.07				
15	16QAM	20	0	19.88	19.95	19.93		21	2	
15	64QAM	1	0	18.90	19.99	20.08				
15	64QAM	1	37	20.13	20.11	20.26	21	2		
15	64QAM	1	74	20.07	20.06	20.23				
15	64QAM	36	0	18.81	18.92	18.95		20	3	
15	64QAM	36	20	18.86	18.92	18.96				
15	64QAM	36	39	18.92	18.93	18.97	20		3	
15	64QAM	20	0	18.86	18.96	18.94				
Channel										
				20900	21100	21400	Turn-up limt (dBm)	MPR (dB)		
				2550	2535	2565				
Frequency (MHz)										
10	QPSK	1	0	22.23	22.24	22.28	23	0		
10	QPSK	1	25	22.17	22.21	22.15				
10	QPSK	1	49	22.12	22.09	22.11		22	0	
10	QPSK	25	0	20.97	21.08	21.04	22	1		
10	QPSK	25	12	20.99	20.89	20.98				
10	QPSK	25	25	20.96	21.01	21.07		22	1	
10	QPSK	50	0	20.85	21.02	21.06				
10	16QAM	1	0	21.02	21.02	21.07	22	1		
10	16QAM	1	25	21.20	21.25	21.30				
10	16QAM	1	49	21.20	21.21	21.30		22	1	
10	16QAM	50	0	19.94	19.89	20.01				
10	16QAM	25	12	19.83	19.87	20.11	21	2		
10	16QAM	25	25	19.91	19.88	19.91				
10	16QAM	50	0	18.93	19.94	19.94		21	2	
10	64QAM	1	0	19.92	20.01	20.04				
10	64QAM	1	25	20.12	20.05	20.20	21	2		
10	64QAM	1	49	20.08	20.11	20.23				
10	64QAM	25	12	18.84	18.81	19.02		20	3	
10	64QAM	25	25	18.96	18.85	18.98				
10	64QAM	50	0	18.86	18.90	18.96	20		3	
10	64QAM	50	25	18.94	18.90	18.92				
Channel										
				20975	21100	21425	Turn-up limt (dBm)	MPR (dB)		
				2552.5	2535	2567.5				
Frequency (MHz)										
5	QPSK	1	0	22.22	22.26	22.19	23	0		
5	QPSK	1	25	22.10	22.12	22.05				
5	QPSK	1	24	22.14	22.11	22.23		22	1	
5	QPSK	12	0	21.06	21.14	21.04	22	1		
5	QPSK	12	7	20.92	20.87	20.97				
5	QPSK	12	9	20.85	20.88	21.02		22	1	
5	QPSK	25	0	20.94	20.98	21.07				
5	16QAM	1	0	21.03	21.05	21.10	22	1		
5	16QAM	1	25	21.19	21.15	21.25				
5	16QAM	1	24	21.17	21.16	21.30		22	1	
5	16QAM	12	7	19.89	19.89	19.96				
5	16QAM	12	7	19.85	19.90	20.10	21	2		
5	16QAM	12	16QAM	19.84	19.84	19.94				
5	16QAM	25	0	19.90	19.92	20.03		21	2	
5	16QAM	25	0	19.92	20.02	19.98				
5	64QAM	1	0	18.92	19.92	19.97	21		2	
5	64QAM	1	24	19.95	19.94	20.04				
5	64QAM	1	24	20.12	20.04	20.25		21	2	
5	64QAM	12	0	18.80	18.85	18.91				
5	64QAM	12	7	18.84	18.94	19.03	20	3		
5	64QAM	12	16QAM	18.88	18.85	18.91				
5	64QAM	25	0	18.93	18.91	18.92		20	3	
5	64QAM	25	0	18.93	18.91	18.92				

Band 13_Ant 0

Band 13_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								
Frequency (MHz)								
10	QPSK	1	0		762	23.98	24.8	0
10	QPSK	1	25		23.93			
10	QPSK	1	49		23.93			
10	QPSK	25	0		22.50	22.50	23.8	1
10	QPSK	25	12		22.45			
10	QPSK	25	25		22.41			
10	QPSK	50	0		22.42		23.5	1
10	16QAM	1	0		22.66			
10	16QAM	1	25		22.71			
10	16QAM	1	49		22.71		22.8	2
10	16QAM	25	0		21.40			
10	16QAM	25	12		21.43			
10	16QAM	25	25		21.38		22.5	2
10	16QAM	50	0		21.40			
10	64QAM	1	0		21.56			
10	64QAM	1	25		21.54		22.8	2
10	64QAM	1	49		21.59			
10	64QAM	25	0		20.38			
10	64QAM	25	12		20.40		21.8	3
10	64QAM	25	25		20.41			
10	64QAM	50	0		20.41			
Channel								
Frequency (MHz)								
5	QPSK	1	0	23.85	762	784.5	24.5	0
5	QPSK	1	12	23.86	23.83	23.85		
5	QPSK	1	24	23.80	23.86	23.80		
5	QPSK	12	0	22.37	22.44	22.38	23.8	1
5	QPSK	12	7	22.39	22.32	22.37		
5	QPSK	12	13	22.34	22.35	22.37		
5	QPSK	25	0	22.37	22.40	22.28	23.5	1
5	16QAM	1	0	22.63	22.61	22.60		
5	16QAM	1	12	22.61	22.63	22.62		
5	16QAM	1	24	22.62	22.62	22.58	22.8	2
5	16QAM	12	0	21.34	21.29	21.25		
5	16QAM	12	7	21.39	21.34	21.30		
5	16QAM	12	13	21.31	21.29	21.33	22.5	2
5	16QAM	25	0	21.38	21.39	21.27		
5	64QAM	1	0	21.47	21.51	21.42		
5	64QAM	1	12	21.46	21.52	21.53	22.8	2
5	64QAM	1	24	21.51	21.47	21.49		
5	64QAM	12	0	20.30	20.33	20.27		
5	64QAM	12	7	20.30	20.27	20.26	21.8	3
5	64QAM	12	13	20.40	20.30	20.32		
5	64QAM	25	0	20.33	20.40	20.38		

Band 13_Ant 1

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										
Frequency (MHz)										
10	QPSK	1	0	24.00	24.00	24.00	24.5	0		
10	QPSK	1	25	23.95	23.95	23.95				
10	QPSK	1	49	23.96	23.96	23.96				
10	QPSK	25	0	22.51	22.51	22.51	23.5	1		
10	QPSK	25	12	22.45	22.45	22.45				
10	QPSK	25	25	22.44	22.44	22.44				
10	QPSK	50	0	22.45	22.45	22.45	23.5	1		
10	16QAM	1	0	22.70	22.70	22.70				
10	16QAM	1	25	22.69	22.69	22.69				
10	16QAM	1	49	22.71	22.71	22.71	22.5	2		
10	16QAM	25	0	21.42	21.42	21.42				
10	16QAM	25	12	21.45	21.45	21.45				
10	16QAM	25	25	21.44	21.44	21.44	22.5	2		
10	16QAM	50	0	21.45	21.45	21.45				
10	64QAM	1	0	21.59	21.59	21.59				
10	64QAM	1	25	21.57	21.57	21.57	22.5	2		
10	64QAM	1	49	21.61	21.61	21.61				
10	64QAM	25	0	20.43	20.43	20.43				
10	64QAM	25	12	20.43	20.43	20.43	21.5	3		
10	64QAM	25	25	20.43	20.43	20.43				
10	64QAM	50	0	20.45	20.45	20.45				
Channel										
Frequency (MHz)										
5	QPSK	1	0	23.94	23.93	23.92	24.5	0		
5	QPSK	1	12	23.94	23.93	23.95				
5	QPSK	1	24	23.85	23.81	23.94				
5	QPSK	12	0	22.39	22.44	22.38	23.5	1		
5	QPSK	12	7	22.38	22.42	22.42				
5	QPSK	12	13	22.38	22.40	22.43				
5	QPSK	25	0	22.32	22.38	22.41	23.5	1		
5	16QAM	1	0	22.61	22.63	22.58				
5	16QAM	1	12	22.59	22.60	22.60				
5	16QAM	1	24	22.60	22.69	22.65	22.5	2		
5	16QAM	12	0	21.37	21.29	21.38				
5	16QAM	12	7	21.44	21.33	21.42				
5	16QAM	12	13	21.38	21.29	21.31	22.5	2		
5	16QAM	25	0	21.38	21.32	21.34				
5	64QAM	1	0	21.49	21.51	21.48				
5	64QAM	1	12	21.45	21.56	21.42	22.5	2		
5	64QAM	1	24	21.48	21.60	21.60				
5	64QAM	12	0	20.31	20.41	20.39				
5	64QAM	12	7	20.32	20.36	20.38	21.5	3		
5	64QAM	12	13	20.31	20.31	20.30				
5	64QAM	25	0	20.36	20.33	20.38				

Band 17_Ant 0

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									
Frequency (MHz)									
10	QPSK	1	0	23.84	23.85	23.85	24.8	0	
10	QPSK	1	25	23.84	23.84	23.88			
10	QPSK	1	49	23.82	23.79	23.81			
10	QPSK	25	0	22.19	22.25	22.22	23.8	1	
10	QPSK	25	12	22.16	22.15	22.17			
10	QPSK	25	25	22.17	22.19	22.21			
10	QPSK	50	0	22.18	22.23	22.18	23.8	1	
10	16QAM	1	0	22.41	22.50	22.49			
10	16QAM	1	25	22.43	22.44	22.46			
10	16QAM	1	49	22.50	22.58	22.55	22.8	2	
10	16QAM	25	0	21.17	21.17	21.16			
10	16QAM	25	12	21.13	21.13	21.16			
10	16QAM	25	25	21.15	21.18	21.19	22.8	2	
10	16QAM	50	0	21.15	21.18	21.18			
10	64QAM	1	0	21.23	21.34	21.36			
10	64QAM	1	25	21.33	21.33	21.35	22.8	2	
10	64QAM	1	49	21.42	21.43	21.47			
10	64QAM	25	0	20.16	20.15	20.14			
10	64QAM	25	12	20.16	20.11	20.14	21.8	3	
10	64QAM	25	25	20.12	20.15	20.17			
10	64QAM	50	0	20.14	20.18	20.17			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.11	23.12	23.13	24.8	0	
5	QPSK	1	12	23.07	23.04	23.03			
5	QPSK	1	24	23.07	23.06	23.73			
5	QPSK	12	0	22.05	22.13	22.10	23.8	1	
5	QPSK	12	7	22.14	22.07	22.03			
5	QPSK	12	13	22.04	22.10	22.20			
5	QPSK	25	0	22.12	22.16	22.03	23.8	1	
5	16QAM	1	0	22.37	22.47	22.46			
5	16QAM	1	12	22.39	22.41	22.44			
5	16QAM	1	24	22.56	22.45	22.45	22.8	2	
5	16QAM	12	0	21.09	21.09	21.12			
5	16QAM	12	7	21.02	21.04	21.01			
5	16QAM	12	13	21.05	21.14	21.08	22.8	2	
5	16QAM	25	0	21.00	21.09	21.05			
5	64QAM	1	0	21.17	21.26	21.28			
5	64QAM	1	12	21.19	21.26	21.25	22.8	2	
5	64QAM	1	24	21.33	21.33	21.42			
5	64QAM	12	0	20.15	20.00	20.12			
5	64QAM	12	7	20.01	19.98	20.08	21.8	3	
5	64QAM	12	13	20.01	20.09	20.13			
5	64QAM	25	0	20.05	20.09	20.14			

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on time (dBm)	MPR (dB)			
Channel											
Frequency (MHz)				26765	26865	26965					
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	23.67	23.68	23.69	24.8	0			
15	QPSK	1	37	23.61	23.62	23.70					
15	QPSK	1	74	23.62	23.79	23.71					
15	QPSK	36	0	22.82	22.81	22.78					
15	QPSK	36	39	22.80	22.82	22.72	23.8	1			
15	QPSK	75	0	22.78	22.86	22.77					
15	16QAM	1	0	23.12	23.03	23.08					
15	16QAM	1	37	23.10	23.10	23.04					
15	16QAM	1	74	23.05	23.01	22.96	23.8	1			
15	16QAM	36	0	21.83	21.81	21.77					
15	16QAM	36	25	21.85	21.83	21.77					
15	16QAM	36	39	21.78	21.82	21.74					
15	16QAM	75	0	21.86	21.83	21.78	22.8	2			
15	64QAM	1	0	21.99	21.94	22.00					
15	64QAM	1	37	22.03	21.98	21.90					
15	64QAM	1	74	21.95	21.89	21.85					
15	64QAM	36	0	20.85	20.83	20.79	21.8	3			
15	64QAM	36	25	20.85	20.83	20.75					
15	64QAM	75	0	20.83	20.83	20.76					
15	64QAM	75	0	20.83	20.75	20.76					
Channel											
Frequency (MHz)				26740 <td>26865</td> <td>26990</td> <th>Turn-on time (dBm)</th> <th>MPR (dB)</th> <th></th>	26865	26990	Turn-on time (dBm)			MPR (dB)	
Frequency (MHz)				819 <td>831.5</td> <td>844</td> <th colspan="3"></th>	831.5	844					
10	QPSK	1	0	23.74	23.74	23.70	24.8	0			
10	QPSK	1	25	23.74	23.72	23.76					
10	QPSK	1	49	23.80	23.71	23.69					
10	QPSK	25	0	22.71	22.80	22.72					
10	QPSK	25	12	22.73	22.79	22.73	23.8	1			
10	QPSK	25	25	22.69	22.81	22.85					
10	QPSK	50	0	22.66	22.71	22.70					
10	16QAM	1	0	23.02	23.02	22.98					
10	16QAM	1	25	23.07	23.01	22.93	23.8	1			
10	16QAM	1	49	23.02	22.92	22.92					
10	16QAM	25	0	21.74	21.80	21.86					
10	16QAM	25	12	21.76	21.76	21.69					
10	16QAM	25	25	21.66	21.73	21.87	22.8	2			
10	16QAM	50	0	21.73	21.77	21.86					
10	64QAM	1	0	21.84	21.87	21.94					
10	64QAM	1	25	21.98	21.83	21.84					
10	64QAM	1	49	21.92	21.87	21.74	21.8	3			
10	64QAM	25	0	20.70	20.73	20.87					
10	64QAM	25	12	20.78	20.67	20.63					
10	64QAM	25	25	20.77	20.77	20.69					
10	64QAM	50	0	20.81	20.68	20.65	21.8	3			
Channel											
Frequency (MHz)				26715 <td>26865</td> <td>27015</td> <th>Turn-on time (dBm)</th> <th>MPR (dB)</th> <th></th>	26865	27015	Turn-on time (dBm)			MPR (dB)	
Frequency (MHz)				816.5 <td>831.5</td> <td>846.5</td> <th colspan="3"></th>	831.5	846.5					
5	QPSK	1	0	23.84	23.79	23.80	24.8	0			
5	QPSK	1	12	23.83	23.73	23.80					
5	QPSK	1	24	23.76	23.66	23.66					
5	QPSK	12	0	22.78	22.79	22.72					
5	QPSK	12	7	22.76	22.66	22.68	23.8	1			
5	QPSK	12	13	22.79	22.72	22.70					
5	QPSK	25	0	22.67	22.61	22.61					
5	16QAM	1	0	23.08	22.98	22.93					
5	16QAM	1	12	22.99	22.90	22.92	23.8	1			
5	16QAM	1	24	22.96	22.93	22.91					
5	16QAM	12	0	21.82	21.77	21.82					
5	16QAM	12	7	21.76	21.81	21.72					
5	16QAM	12	13	21.66	21.78	21.81	22.8	2			
5	16QAM	25	0	21.73	21.66	21.76					
5	16QAM	25	0	21.91	21.86	21.91					
5	64QAM	1	12	22.01	21.86	21.82					
5	64QAM	1	24	21.87	21.74	21.78	21.8	3			
5	64QAM	12	0	20.76	20.76	20.84					
5	64QAM	12	7	20.75	20.80	20.84					
5	64QAM	12	13	20.73	20.74	20.68					
5	64QAM	25	0	20.61	20.66	20.66	21.8	3			
Channel											
Frequency (MHz)				26707 <td>26865</td> <td>27025</td> <th>Turn-on time (dBm)</th> <th>MPR (dB)</th> <th></th>	26865	27025	Turn-on time (dBm)			MPR (dB)	
Frequency (MHz)				814.7 <td>831.5</td> <td>848.3</td> <th colspan="3"></th>	831.5	848.3					
3	QPSK	1	0	23.77	23.74	23.76	24.8	0			
3	QPSK	1	8	23.74	23.79	23.77					
3	QPSK	1	14	23.75	23.69	23.57					
3	QPSK	1	22	23.72	23.72	23.71					
3	QPSK	8	4	22.76	22.73	22.63	23.8	1			
3	QPSK	8	7	22.74	22.79	22.70					
3	QPSK	15	0	22.67	22.76	22.69					
3	16QAM	1	0	22.97	22.88	22.97					
3	16QAM	1	8	23.09	23.04	22.96	23.8	1			
3	16QAM	1	14	22.97	22.91	22.81					
3	16QAM	1	22	22.76	21.78	21.82					
3	16QAM	8	4	21.75	21.79	21.70					
3	16QAM	8	7	21.69	21.73	21.59	22.8	2			
3	16QAM	15	0	21.76	21.73	21.67					
3	64QAM	1	8	21.94	21.79	21.86					
3	64QAM	1	8	21.90	21.83	21.81					
3	64QAM	1	14	21.80	21.82	21.81	21.8	3			
3	64QAM	1	22	20.76	20.77	20.76					
3	64QAM	8	4	20.83	20.75	20.73					
3	64QAM	8	7	20.80	20.72	20.64					
3	64QAM	15	0	20.73	20.67	20.76	21.8	3			
Channel											
Frequency (MHz)				814.7 <td>831.5</td> <td>848.3</td> <th>Turn-on time (dBm)</th> <th>MPR (dB)</th> <th></th>	831.5	848.3	Turn-on time (dBm)			MPR (dB)	
1.4	QPSK	1	0	23.86	23.80	23.85	24.8			0	
1.4	QPSK	1	3	23.82	23.75	23.85					
1.4	QPSK	1	5	23.86	23.86	23.71					
1.4	QPSK	3	1	23.84	23.77	23.70					
1.4	QPSK	3	1	23.85	23.78	23.67	23.8	1			
1.4	QPSK	3	3	23.84	23.75	23.70					
1.4	QPSK	6	0	22.83	22.77	22.68					
1.4	16QAM	1	0	23.06	23.06	22.93					
1.4	16QAM	1	3	23.06	23.06	22.94	23.8	1			
1.4	16QAM	1	5	23.09	23.04	22.91					
1.4	16QAM	3	0	22.84	22.79	22.69					
1.4	16QAM	3	1	22.80	22.73	22.66					
1.4	16QAM	6	0	21.93	21.85	21.88	22.8	2			
1.4	64QAM	1	0	21.97	21.96	21.89					
1.4	64QAM	1	3	21.96	21.91	21.86					
1.4	64QAM	1	5	22.01	21.99	21.81					
1.4	64QAM	3	0	21.96	21.86	21.79	21.8	3			
1.4	64QAM	3	1	21.93	21.87	21.79					
1.4	64QAM	3	3	21.92	21.86	21.79					
1.4	64QAM	6	0	20.79	20.74	20.67					

Band 26_Ant 1											
BW (MHz)	Modulation	RB size	RB Offset	Power Low Ch / Freq (dBm)	Power-Mid Ch / Freq (dBm)	Power-High Ch / Freq (dBm)	Turn-on time (ms)	MPR (dB)			
Channel											
Frequency (MHz)				26765	26865	26965					
Frequency (MHz)				821.5	831.5	841.5					
15	QPSK	1	0	23.60	23.65	23.67	24.8	0			
15	QPSK	1	37	23.13	23.11	23.01					
15	QPSK	1	74	23.89	23.79	23.78					
15	QPSK	36	0	22.88	22.84	22.80					
15	QPSK	36	25	22.81	22.84	22.76	23.6	1			
15	QPSK	36	39	22.80	22.85	22.77					
15	16QAM	1	0	23.15	23.04	23.11					
15	16QAM	1	37	23.13	23.11	23.01					
15	16QAM	1	74	23.08	23.03	23.02	23.6	1			
15	16QAM	36	0	21.86	21.85	21.77					
15	16QAM	36	25	21.91	21.84	21.81					
15	16QAM	36	39	21.82	21.85	21.76					
15	16QAM	75	0	21.88	21.86	21.79	22.6	2			
15	64QAM	1	0	22.05	21.94	22.03					
15	64QAM	1	37	22.06	22.02	21.91					
15	64QAM	1	74	21.98	21.92	21.87					
15	64QAM	36	0	20.88	20.87	20.78	21.6	3			
15	64QAM	36	25	20.92	20.87	20.82					
15	64QAM	36	39	20.85	20.86	20.78					
15	64QAM	75	0	20.87	20.85	20.78					
Channel											
Frequency (MHz)				26740	26865	26990					
Frequency (MHz)				819	831.5	844					
10	QPSK	1	0	23.73	23.68	23.72	24.8	0			
10	QPSK	1	25	23.78	23.76	23.75					
10	QPSK	1	49	23.85	23.71	23.66					
10	QPSK	25	0	22.83	22.87	22.72					
10	QPSK	25	12	22.74	22.78	22.79	23.6	1			
10	QPSK	25	37	22.69	22.72	22.62					
10	QPSK	50	0	22.72	22.82	22.72					
10	16QAM	1	0	23.01	23.03	23.03					
10	16QAM	1	25	23.01	23.03	22.98	23.6	1			
10	16QAM	1	50	23.07	22.99	22.96					
10	16QAM	25	0	21.84	21.78	21.73					
10	16QAM	25	12	21.88	21.77	21.78					
10	16QAM	25	37	21.72	21.71	21.63	22.6	2			
10	16QAM	50	0	21.73	21.74	21.73					
10	64QAM	1	0	21.92	21.91	22.01					
10	64QAM	1	25	22.03	21.92	21.86					
10	64QAM	1	50	21.96	21.81	21.81	22.6	2			
10	64QAM	25	0	20.82	20.81	20.84					
10	64QAM	25	12	20.84	20.74	20.70					
10	64QAM	25	37	20.84	20.75	20.70					
10	64QAM	50	0	20.75	20.76	20.71	21.6	3			
Channel											
Frequency (MHz)				26765	26865	27015					
Frequency (MHz)				816.5	831.5	845.5					
5	QPSK	1	0	23.80	23.85	23.74	24.8	0			
5	QPSK	1	12	23.82	23.82	23.84					
5	QPSK	1	24	23.75	23.76	23.67					
5	QPSK	12	0	22.75	22.86	22.72					
5	QPSK	12	6	22.73	22.77	22.67	23.6	1			
5	QPSK	12	13	22.80	22.75	22.63					
5	QPSK	25	0	22.79	22.83	22.65					
5	16QAM	1	0	23.07	23.04	23.02					
5	16QAM	1	6	23.03	23.00	22.97	23.6	1			
5	16QAM	1	24	22.97	22.92	22.93					
5	16QAM	12	0	21.77	21.83	21.68					
5	16QAM	12	6	21.76	21.71	21.61					
5	16QAM	12	13	21.80	21.72	21.68	22.6	2			
5	16QAM	25	0	21.74	21.73	21.68					
5	64QAM	1	0	21.91	21.91	21.96					
5	64QAM	1	6	21.95	21.89	21.89					
5	64QAM	1	24	21.93	21.83	21.81	22.6	2			
5	64QAM	12	0	20.73	20.81	20.77					
5	64QAM	12	6	20.87	20.75	20.71					
5	64QAM	12	13	20.75	20.76	20.71					
5	64QAM	25	0	20.72	20.74	20.65	21.6	3			
Channel											
Frequency (MHz)				26765	26865	27025					
Frequency (MHz)				816.5	831.5	845.5					
3	QPSK	1	0	23.81	23.94	23.66	24.8	0			
3	QPSK	1	6	23.77	23.75	23.71					
3	QPSK	1	14	23.82	23.64	23.64					
3	QPSK	1	22	23.74	23.85	23.82					
3	QPSK	9	4	22.85	22.79	22.72	23.6	1			
3	QPSK	8	7	22.68	22.77	22.65					
3	QPSK	15	0	22.70	22.70	22.71					
3	16QAM	1	0	23.09	23.03	22.96					
3	16QAM	1	6	23.07	23.09	22.92	23.6	1			
3	16QAM	1	14	23.01	22.90	22.93					
3	16QAM	1	22	23.73	23.73	22.91					
3	16QAM	9	4	21.87	21.73	21.70					
3	16QAM	8	7	21.75	21.78	21.69	22.6	2			
3	16QAM	15	0	21.81	21.81	21.67					
3	64QAM	1	0	21.96	21.91	21.84					
3	64QAM	1	6	22.01	22.00	21.89					
3	64QAM	1	14	21.96	21.86	21.72	22.6	2			
3	64QAM	1	22	20.78	20.75	20.75					
3	64QAM	9	4	20.91	20.72	20.70					
3	64QAM	8	7	20.84	20.77	20.70					
3	64QAM	15	0	20.72	20.71	20.70	21.6	3			
Channel											
Frequency (MHz)				814.3	831.5	843.3					
1.4	QPSK	1	0	23.83	23.88	23.75	24.8			0	
1.4	QPSK	1	3	23.83	23.79	23.70					
1.4	QPSK	1	6	23.86	23.81	23.75					
1.4	QPSK	3	1	23.90	23.77	23.72					
1.4	QPSK	3	1	23.90	23.78	23.73	23.6	1			
1.4	QPSK	3	1	23.92	23.80	23.73					
1.4	QPSK	15	0	22.87	22.77	22.71					
1.4	16QAM	1	0	23.07	23.07	23.00					
1.4	16QAM	1	3	23.06	23.03	22.95	23.6	1			
1.4	16QAM	1	6	23.11	23.03	22.96					
1.4	16QAM	3	1	22.91	22.76	22.74					
1.4	16QAM	3	1	22.93	22.77	22.72					
1.4	16QAM	3	1	22.87	22.78	22.70	22.6	2			
1.4	16QAM	15	0	21.93	21.91	21.82					
1.4	64QAM	1	0	22.03	21.99	21.90					
1.4	64QAM	1	3	21.96	21.86	21.85					
1.4	64QAM	3	1	21.98	21.87	21.82	22.6	2			
1.4	64QAM	3	1	21.97	21.87	21.82					
1.4	64QAM	15	0	20.85	20.79	20.72					
1.4	64QAM	3	1	21.97	21.87	21.82					

Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.08	22.08	22.02	23.2	0	
20	QPSK	1	48	22.06	22.87	22.92			
20	QPSK	1	89	22.72	22.72	22.74			
20	QPSK	50	0	21.81	21.96	21.81	22.2	1	
20	QPSK	50	24	21.82	21.88	21.96			
20	QPSK	50	50	21.81	21.80	21.80			
20	16QAM	1	0	22.19	22.18	22.10	22.2	1	
20	16QAM	1	48	22.13	22.15	22.17			
20	16QAM	1	89	22.00	21.99	22.01			
20	16QAM	50	0	20.93	20.88	20.90	21.2	2	
20	16QAM	50	24	20.89	20.90	20.89			
20	16QAM	50	50	20.81	20.81	20.85			
20	64QAM	1	0	21.09	21.08	21.03	21.2	2	
20	64QAM	1	48	21.07	21.04	21.04			
20	64QAM	1	89	20.89	20.89	20.94			
20	64QAM	50	0	19.94	19.90	19.92	20.2	3	
20	64QAM	50	24	19.92	19.89	19.90			
20	64QAM	50	50	19.85	19.81	19.85			
20	64QAM	100	0	19.91	19.85	19.88			
Channel				132047	132322	132597	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1743	1772.5			
15	QPSK	1	0	22.63	22.87	22.84	23.2	0	
15	QPSK	1	37	22.75	22.79	22.89			
15	QPSK	1	74	22.71	22.67	22.65			
15	QPSK	36	0	21.88	21.91	21.82	22.2	1	
15	QPSK	36	20	21.85	21.82	21.85			
15	QPSK	36	39	21.67	21.69	21.83			
15	QPSK	75	0	21.79	21.87	21.82	22.2	1	
15	16QAM	1	0	22.11	22.07	22.02			
15	16QAM	1	37	22.06	22.08	22.15			
15	16QAM	1	74	21.97	21.90	21.93	21.2	2	
15	16QAM	36	0	20.85	20.73	20.78			
15	16QAM	36	20	20.82	20.75	20.75			
15	16QAM	36	39	20.77	20.69	20.78	21.2	2	
15	16QAM	75	0	20.81	20.80	20.82			
15	64QAM	1	0	20.92	20.93	20.91			
15	64QAM	1	37	21.00	20.95	20.98	21.2	2	
15	64QAM	1	74	20.80	20.82	20.91			
15	64QAM	36	0	19.84	19.85	19.87			
15	64QAM	36	20	19.78	19.76	19.88	20.2	3	
15	64QAM	36	39	19.76	19.75	19.74			
15	64QAM	75	0	19.84	19.76	19.75			
Channel				132022	132322	132602	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.83	22.88	22.84	23.2	0	
10	QPSK	1	25	22.78	22.84	22.96			
10	QPSK	1	48	22.67	22.61	22.73			
10	QPSK	25	0	21.89	21.82	21.85	22.2	1	
10	QPSK	25	12	21.81	21.73	21.80			
10	QPSK	25	25	21.77	21.74	21.80			
10	QPSK	50	0	21.75	21.81	21.86	22.2	1	
10	16QAM	1	0	22.04	22.16	21.99			
10	16QAM	1	25	21.98	22.01	22.12			
10	16QAM	1	48	21.89	21.96	21.96	21.2	2	
10	16QAM	25	0	20.92	20.87	20.75			
10	16QAM	25	12	20.88	20.87	20.78			
10	16QAM	25	25	20.69	20.75	20.80	21.2	2	
10	16QAM	50	0	20.81	20.71	20.73			
10	64QAM	1	0	21.03	21.03	20.89			
10	64QAM	1	25	20.80	20.96	20.92	21.2	2	
10	64QAM	1	48	20.88	20.82	20.89			
10	64QAM	25	0	19.83	19.82	19.85			
10	64QAM	25	12	19.81	19.83	19.85	20.2	3	
10	64QAM	25	25	19.83	19.80	19.78			
10	64QAM	50	0	19.72	19.81	19.84			
Channel				131987	132322	132642	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.88	22.85	22.89	23.2	0	
5	QPSK	1	12	22.73	22.85	22.84			
5	QPSK	1	24	22.61	22.81	22.92			
5	QPSK	12	0	21.85	21.87	21.94	22.2	1	
5	QPSK	12	7	21.81	21.85	21.80			
5	QPSK	12	13	21.71	21.71	21.72			
5	QPSK	25	0	21.75	21.85	21.77	22.2	1	
5	16QAM	1	0	22.08	22.16	21.98			
5	16QAM	1	12	22.09	22.06	22.11			
5	16QAM	1	24	21.87	21.90	21.96	21.2	2	
5	16QAM	12	0	20.85	20.77	20.77			
5	16QAM	12	7	20.85	20.75	20.78			
5	16QAM	12	13	20.72	20.68	20.77	21.2	2	
5	16QAM	25	0	20.76	20.78	20.73			
5	64QAM	1	0	20.98	20.93	20.89			
5	64QAM	1	12	20.91	21.00	20.99	21.2	2	
5	64QAM	1	24	20.82	20.84	20.86			
5	64QAM	12	0	19.85	19.75	19.82			
5	64QAM	12	7	19.88	19.84	19.80	20.2	3	
5	64QAM	12	13	19.82	19.80	19.75			
5	64QAM	25	0	19.80	19.73	19.75			
Channel				131987	132322	132667	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.84	22.93	22.90	23.2	0	
3	QPSK	1	8	22.72	22.74	22.79			
3	QPSK	1	16	22.57	22.82	22.76			
3	QPSK	8	0	21.87	21.82	21.89	22.2	1	
3	QPSK	8	4	21.86	21.84	21.78			
3	QPSK	8	7	21.71	21.76	21.80			
3	QPSK	15	0	21.77	21.82	21.75	22.2	1	
3	16QAM	1	0	22.05	22.05	22.09			
3	16QAM	1	8	22.11	22.09	22.05			
3	16QAM	8	16	21.97	21.86	21.86	21.2	2	
3	16QAM	8	0	20.92	20.74	20.85			
3	16QAM	8	4	20.76	20.89	20.77			
3	16QAM	8	7	20.71	20.70	20.73	21.2	2	
3	16QAM	15	0	20.85	20.71	20.85			
3	64QAM	1	0	21.04	20.95	21.02			
3	64QAM	1	8	21.01	20.96	20.95	21.2	2	
3	64QAM	1	16	20.92	20.76	20.82			
3	64QAM	8	0	19.84	19.86	19.78			
3	64QAM	8	4	19.87	19.87	19.85	20.2	3	
3	64QAM	8	7	19.73	19.66	19.83			
3	64QAM	15	0	19.77	19.70	19.87			
Channel				131979	132322	132695	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.51	22.84	22.78	23.2	0	
1.4	QPSK	1	3	22.88	22.82	22.76			
1.4	QPSK	1	5	22.91	22.80	22.80			
1.4	QPSK	3	0	22.89	22.79	22.81	22.2	1	
1.4	QPSK	3	1	22.80	22.79	22.81			
1.4	QPSK	3	3	22.89	22.79	22.81			
1.4	QPSK	6	0	21.89	21.79	21.78	22.2	1	
1.4	16QAM	1	0	22.13	22.09	22.03			
1.4	16QAM	1	3	22.12	22.08	22.03			
1.4	16QAM	1	5	22.09	22.09	22.02	22.2	1	
1.4	16QAM	3	0	21.86	21.74	21.75			
1.4	16QAM	3	1	21.88	21.80	21.80			
1.4	16QAM	3	3	21.85	21.77	21.79	21.2	2	
1.4	16QAM	6	0	20.93	20.85	20.86			
1.4	64QAM	1	0	21.04	21.00	20.98			
1.4	64QAM	1	3	20.99	20.98	20.93	21.2	2	
1.4	64QAM	1	5	21.02	20.91	20.93			
1.4	64QAM	3	0	20.91	20.93	20.90			
1.4	64QAM	3	1	20.97	20.88	20.90	20.2	3	
1.4	64QAM	3	3	20.94	20.90	20.90			
1.4	64QAM	6	0	19.85	19.75	19.88			

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	23.72	23.77	23.70	24.3	0		
20	QPSK	1	49	23.66	23.75	23.69				
20	QPSK	1	99	23.62	23.72	23.65				
20	QPSK	50	0	22.72	22.75	22.73	23.3	1		
20	QPSK	50	24	22.70	22.68	22.71				
20	QPSK	50	50	22.71	22.70	22.72				
20	QPSK	100	0	22.71	22.74	22.69	23.3	1		
20	16QAM	1	0	22.70	22.64	22.67				
20	16QAM	1	49	22.84	22.83	22.81				
20	16QAM	1	99	22.77	22.79	22.77	22.3	2		
20	16QAM	50	0	21.77	21.73	21.74				
20	16QAM	50	24	21.80	21.77	21.79				
20	16QAM	50	50	21.78	21.78	21.78	21.3	3		
20	16QAM	100	0	21.77	21.75	21.77				
20	64QAM	1	0	21.48	21.43	21.44				
20	64QAM	1	49	21.56	21.52	21.56	22.3	2		
20	64QAM	1	99	21.55	21.52	21.56				
20	64QAM	50	0	20.74	20.69	20.74				
20	64QAM	50	24	20.78	20.77	20.77	21.3	3		
20	64QAM	50	50	20.79	20.76	20.77				
20	64QAM	100	0	20.77	20.73	20.76				
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	23.64	23.65	23.62	24.3	0		
15	QPSK	1	37	23.62	23.66	23.63				
15	QPSK	1	74	23.61	23.65	23.59				
15	QPSK	36	0	22.65	22.67	22.67	23.3	1		
15	QPSK	36	20	22.58	22.60	22.60				
15	QPSK	36	39	22.60	22.67	22.66				
15	QPSK	75	0	22.69	22.67	22.66	23.3	1		
15	16QAM	1	0	22.60	22.58	22.59				
15	16QAM	1	37	22.72	22.68	22.78				
15	16QAM	1	74	22.64	22.76	22.75	22.3	2		
15	16QAM	36	0	21.74	21.60	21.71				
15	16QAM	36	20	21.70	21.64	21.77				
15	16QAM	36	39	21.64	21.73	21.68	22.3	2		
15	16QAM	75	0	21.75	21.60	21.73				
15	64QAM	1	0	21.33	21.35	21.39				
15	64QAM	1	37	21.50	21.42	21.43	22.3	2		
15	64QAM	1	74	21.50	21.45	21.44				
15	64QAM	36	0	20.71	20.55	20.63				
15	64QAM	36	20	20.64	20.72	20.65	21.3	3		
15	64QAM	36	39	20.73	20.61	20.73				
15	64QAM	75	0	20.72	20.59	20.66				
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	23.62	23.73	23.58	24.3	0		
10	QPSK	1	25	23.55	23.64	23.59				
10	QPSK	1	49	23.52	23.68	23.50				
10	QPSK	25	0	22.70	22.72	22.71	23.3	1		
10	QPSK	25	12	22.55	22.67	22.70				
10	QPSK	25	25	22.61	22.58	22.68				
10	QPSK	50	0	22.57	22.70	22.67	23.3	1		
10	16QAM	1	0	22.55	22.57	22.57				
10	16QAM	1	25	22.78	22.72	22.68				
10	16QAM	1	49	22.69	22.70	22.73	22.3	2		
10	16QAM	25	0	21.66	21.61	21.66				
10	16QAM	25	12	21.79	21.67	21.75				
10	16QAM	25	25	21.68	21.67	21.65	22.3	2		
10	16QAM	50	0	21.75	21.73	21.72				
10	64QAM	1	0	21.35	21.31	21.32				
10	64QAM	1	25	21.44	21.48	21.44	22.3	2		
10	64QAM	1	49	21.52	21.39	21.53				
10	64QAM	25	0	20.60	20.57	20.61				
10	64QAM	25	12	20.75	20.73	20.75	21.3	3		
10	64QAM	25	25	20.66	20.75	20.68				
10	64QAM	50	0	20.75	20.67	20.61				
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	23.60	23.69	23.55	24.3	0		
5	QPSK	1	12	23.51	23.61	23.57				
5	QPSK	1	24	23.57	23.71	23.61				
5	QPSK	12	0	22.67	22.69	22.59	23.3	1		
5	QPSK	12	7	22.57	22.58	22.62				
5	QPSK	12	13	22.59	22.59	22.62				
5	QPSK	25	0	22.58	22.71	22.68	23.3	1		
5	16QAM	1	0	22.59	22.56	22.55				
5	16QAM	1	12	22.76	22.72	22.67				
5	16QAM	1	24	22.76	22.67	22.65	22.3	2		
5	16QAM	12	0	21.76	21.70	21.70				
5	16QAM	12	7	21.76	21.68	21.76				
5	16QAM	12	13	21.76	21.65	21.77	22.3	2		
5	16QAM	25	0	21.75	21.60	21.66				
5	64QAM	1	0	21.42	21.36	21.41				
5	64QAM	1	12	21.47	21.44	21.41	22.3	2		
5	64QAM	1	24	21.53	21.50	21.43				
5	64QAM	12	0	20.67	20.65	20.67				
5	64QAM	12	7	20.72	20.70	20.74	21.3	3		
5	64QAM	12	13	20.74	20.61	20.72				
5	64QAM	25	0	20.71	20.69	20.71				

Band 38_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med 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	21.80	21.86	21.82	22.1	0		
20	QPSK	1	49	21.72	21.83	21.79				
20	QPSK	1	99	21.70	21.85	21.78				
20	QPSK	50	0	21.78	21.85	21.76	22.1	0		
20	QPSK	50	24	21.76	21.76	21.70				
20	QPSK	50	50	21.67	21.83	21.70				
20	QPSK	100	0	21.72	21.76	21.72	22.1	0		
20	16QAM	1	0	21.73	21.78	21.69				
20	16QAM	1	49	21.67	21.72	21.80				
20	16QAM	1	99	21.69	21.82	21.78	21.6	0.5		
20	16QAM	50	0	21.42	21.36	21.36				
20	16QAM	50	24	21.45	21.41	21.42				
20	16QAM	50	50	21.44	21.40	21.38	21.6	0.5		
20	16QAM	100	0	21.42	21.39	21.36				
20	64QAM	1	0	21.14	21.10	21.07				
20	64QAM	1	49	21.25	21.18	21.15	21.6	0.5		
20	64QAM	1	99	21.26	21.31	21.15				
20	64QAM	50	0	20.42	20.34	20.32				
20	64QAM	50	24	20.44	20.39	20.37	20.6	1.5		
20	64QAM	50	50	20.43	20.37	20.35				
20	64QAM	100	0	20.42	20.36	20.35				
Channel				37625	38000	38175				
Frequency (MHz)				25775	2590	26125				
15	QPSK	1	0	21.71	21.82	21.68	22.1	0		
15	QPSK	1	37	21.61	21.81	21.73				
15	QPSK	1	74	21.56	21.80	21.75				
15	QPSK	36	0	21.73	21.79	21.69	22.1	0		
15	QPSK	36	20	21.73	21.69	21.55				
15	QPSK	36	39	21.60	21.81	21.56				
15	QPSK	75	0	21.68	21.74	21.69	21.6	0.5		
15	16QAM	1	0	21.59	21.63	21.64				
15	16QAM	1	37	21.66	21.58	21.75				
15	16QAM	1	74	21.62	21.79	21.74	21.6	0.5		
15	16QAM	36	0	21.30	21.22	21.24				
15	16QAM	36	20	21.44	21.40	21.37				
15	16QAM	36	39	21.32	21.37	21.36	21.6	0.5		
15	16QAM	75	0	21.41	21.26	21.34				
15	64QAM	1	0	21.10	20.98	20.95				
15	64QAM	1	37	21.23	21.05	21.04	21.6	0.5		
15	64QAM	1	74	21.10	21.01	21.04				
15	64QAM	36	0	20.35	20.26	20.28				
15	64QAM	36	20	20.37	20.28	20.25	20.6	1.5		
15	64QAM	36	39	20.34	20.24	20.28				
15	64QAM	75	0	20.38	20.25	20.33				
Channel				37600	38000	38200				
Frequency (MHz)				2576	2595	2615				
10	QPSK	1	0	21.66	21.72	21.80	22.1	0		
10	QPSK	1	49	21.61	21.73	21.72				
10	QPSK	1	49	21.63	21.79	21.74				
10	QPSK	25	0	21.75	21.84	21.69	22.1	0		
10	QPSK	25	12	21.67	21.73	21.59				
10	QPSK	25	25	21.56	21.74	21.68				
10	QPSK	50	0	21.70	21.70	21.64	21.6	0.5		
10	16QAM	1	0	21.61	21.65	21.68				
10	16QAM	1	25	21.52	21.59	21.73				
10	16QAM	1	49	21.65	21.74	21.69	22.1	0		
10	16QAM	25	0	21.34	21.27	21.34				
10	16QAM	25	12	21.30	21.26	21.36				
10	16QAM	25	25	21.35	21.27	21.29	21.6	0.5		
10	16QAM	50	0	21.26	21.31	21.27				
10	64QAM	1	0	21.12	21.03	21.00				
10	64QAM	1	25	21.18	21.11	21.02	21.6	0.5		
10	64QAM	1	49	21.16	21.07	21.11				
10	64QAM	25	0	20.30	20.20	20.22				
10	64QAM	25	0	20.30	20.20	20.22	20.6	1.5		
10	64QAM	25	12	20.31	20.23	20.20				
10	64QAM	50	0	20.28	20.23	20.23				
Channel				37775	38000	38225				
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	21.67	21.84	21.70	22.1	0		
5	QPSK	1	12	21.66	21.77	21.71				
5	QPSK	1	24	21.63	21.79	21.73				
5	QPSK	12	0	21.72	21.79	21.68	22.1	0		
5	QPSK	12	7	21.69	21.66	21.63				
5	QPSK	12	13	21.56	21.70	21.55				
5	QPSK	25	0	21.66	21.72	21.61	21.6	0.5		
5	16QAM	1	0	21.67	21.61	21.63				
5	16QAM	1	12	21.60	21.68	21.75				
5	16QAM	1	24	21.57	21.69	21.64	21.6	0.5		
5	16QAM	12	0	21.32	21.27	21.26				
5	16QAM	12	7	21.39	21.38	21.28				
5	16QAM	12	13	21.34	21.39	21.24	21.6	0.5		
5	16QAM	25	0	21.31	21.24	21.25				
5	64QAM	1	0	21.10	21.09	20.99				
5	64QAM	1	12	21.10	21.07	21.14	21.6	0.5		
5	64QAM	1	24	21.11	21.14	21.02				
5	64QAM	12	0	20.31	20.28	20.26				
5	64QAM	12	7	20.28	20.25	20.31	20.6	1.5		
5	64QAM	12	13	20.29	20.23	20.25				
5	64QAM	25	0	20.27	20.31	20.33				

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	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2508	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.50	24.32	24.26	24.25	24.29	24.8	0
20	QPSK	1	49	24.45	24.30	24.24	24.20	24.22		
20	QPSK	1	99	24.47	24.24	24.09	24.16	24.16		
20	QPSK	50	0	22.10	22.08	22.06	22.05	22.06	23.8	1
20	QPSK	50	24	22.09	22.05	22.03	22.00	21.96		
20	QPSK	50	50	22.05	22.08	22.05	22.02	22.04		
20	QPSK	100	0	22.08	22.05	22.00	21.98	21.99		
20	16QAM	1	0	22.85	22.83	22.76	22.85	22.80	23.8	1
20	16QAM	1	49	23.00	22.96	22.81	22.88	22.85		
20	16QAM	1	99	23.04	22.80	22.74	22.76	22.88		
20	16QAM	50	0	22.05	21.85	21.83	21.83	21.84		
20	16QAM	50	24	22.12	21.84	21.82	21.84	21.90	22.8	2
20	16QAM	50	50	22.11	21.89	21.80	21.91	21.89		
20	16QAM	100	0	22.09	21.86	21.89	21.89	21.84		
20	64QAM	1	0	21.73	21.52	21.55	21.53	21.63	22.8	2
20	64QAM	1	49	21.85	21.65	21.63	21.74	21.71		
20	64QAM	1	99	21.83	21.58	21.59	21.57	21.63		
20	64QAM	50	0	21.04	20.83	20.84	20.82	20.86		
20	64QAM	50	24	21.11	20.84	20.81	20.84	20.83	21.8	3
20	64QAM	50	50	21.12	20.86	20.86	20.86	20.88		
20	64QAM	100	0	21.09	20.87	20.87	20.89	20.96		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
				2503.5	2549.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.40	24.22	24.15	24.12	24.18	24.8	0
15	QPSK	1	37	24.31	24.17	24.19	24.12	24.11		
15	QPSK	1	74	24.46	24.21	23.97	24.06	24.10		
15	QPSK	36	0	22.06	21.94	21.95	22.02	21.96	23.8	1
15	QPSK	36	20	22.07	21.91	22.02	21.99	21.83		
15	QPSK	36	39	22.01	21.98	21.99	22.01	22.02		
15	QPSK	75	0	21.98	21.95	21.94	21.85	21.88		
15	16QAM	1	0	22.79	22.80	22.70	22.74	22.74	23.8	1
15	16QAM	1	37	22.91	22.76	22.71	22.88	22.82		
15	16QAM	1	74	22.90	22.65	22.64	22.74	22.82		
15	16QAM	36	0	21.91	21.71	21.77	21.76	21.78	22.8	2
15	16QAM	36	20	22.01	21.79	21.89	21.90	21.85		
15	16QAM	36	39	21.97	21.87	21.78	21.88	21.83		
15	16QAM	75	0	22.06	21.77	21.74	21.88	21.82		
15	64QAM	1	0	21.68	21.47	21.44	21.50	21.57	21.8	2
15	64QAM	1	37	21.78	21.50	21.54	21.70	21.67		
15	64QAM	1	74	21.72	21.47	21.57	21.45	21.50		
15	64QAM	36	0	20.99	20.78	20.84	20.71	20.85	21.8	3
15	64QAM	36	20	21.00	20.80	20.86	20.82	20.68		
15	64QAM	36	39	21.06	20.76	20.80	20.84	20.77		
15	64QAM	75	0	20.94	20.74	20.87	20.78	20.96		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.48	24.25	24.18	24.14	24.18	24.8	0
10	QPSK	1	25	24.36	24.23	24.13	24.18	24.18		
10	QPSK	1	49	24.32	24.20	23.98	24.07	24.03		
10	QPSK	25	0	22.08	22.06	22.03	22.03	21.96	23.8	1
10	QPSK	25	12	22.07	21.90	21.96	21.94	21.87		
10	QPSK	25	25	21.98	22.07	22.02	21.98	21.97		
10	QPSK	50	0	21.96	21.95	21.98	21.86	21.96	23.8	1
10	16QAM	1	0	22.80	22.79	22.63	22.81	22.69	23.8	1
10	16QAM	1	25	22.94	22.84	22.76	22.88	22.76		
10	16QAM	1	49	23.03	22.76	22.64	22.85	22.75		
10	16QAM	25	0	22.03	21.73	21.72	21.75	21.73	22.8	2
10	16QAM	25	12	22.01	21.81	21.86	21.80	21.75		
10	16QAM	25	25	21.98	21.84	21.85	21.90	21.83		
10	16QAM	50	0	22.06	21.77	21.82	21.75	21.75	22.8	2
10	64QAM	1	0	21.64	21.46	21.53	21.49	21.60	22.8	2
10	64QAM	1	25	21.76	21.60	21.53	21.73	21.62		
10	64QAM	1	49	21.74	21.55	21.44	21.47	21.54		
10	64QAM	25	0	20.90	20.71	20.86	20.75	20.80	21.8	3
10	64QAM	25	12	21.02	20.82	20.77	20.79	20.71		
10	64QAM	25	25	20.99	20.79	20.78	20.72	20.76		
10	64QAM	50	0	20.97	20.76	20.90	20.76	20.91		
Channel										
Frequency (MHz)				39675	40143	40620	41093	41555	Tune-up limit (dBm)	MPR (dB)
				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.41	24.19	24.13	24.20	24.18	24.8	0
5	QPSK	1	12	24.31	24.24	24.13	24.19	24.12		
5	QPSK	1	24	24.40	24.12	24.08	24.09	24.06		
5	QPSK	12	0	22.01	21.98	22.00	22.03	21.99	23.8	1
5	QPSK	12	7	21.96	21.96	21.93	21.92	21.93		
5	QPSK	12	13	21.94	22.05	21.93	21.96	21.96		
5	QPSK	25	0	22.05	21.96	21.92	21.97	21.91	23.8	1
5	16QAM	1	0	22.79	22.71	22.69	22.70	22.76	23.8	1
5	16QAM	1	12	22.94	22.76	22.68	22.76	22.74		
5	16QAM	1	24	22.90	22.77	22.72	22.67	22.77		
5	16QAM	12	0	21.96	21.73	21.76	21.78	21.74	22.8	2
5	16QAM	12	7	22.10	21.83	21.78	21.84	21.82		
5	16QAM	12	13	21.99	21.81	21.82	21.78	21.85	21.8	3
5	16QAM	25	0	22.03	21.81	21.85	21.78	21.70		
5	64QAM	1	0	21.67	21.38	21.45	21.41	21.48		
5	64QAM	1	12	21.76	21.62	21.61	21.67	21.59		
5	64QAM	1	24	21.76	21.51	21.53	21.46	21.58		
5	64QAM	12	0	20.95	20.76	20.87	20.76	20.80	21.8	3
5	64QAM	12	7	20.97	20.69	20.70	20.73	20.75		
5	64QAM	12	13	21.06	20.83	20.73	20.72	20.80		
5	64QAM	25	0	21.07	20.73	20.91	20.79	20.83		

Band 41_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	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2508	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.26	22.15	22.25	22.32	22.18	22.3	0
20	QPSK	1	49	22.19	22.05	22.21	22.12	22.05		
20	QPSK	1	99	22.18	22.10	22.12	22.16	22.10		
20	QPSK	50	0	21.43	21.40	21.42	21.39	21.36	22.3	0
20	QPSK	50	24	21.27	21.35	21.40	21.34	21.25		
20	QPSK	50	50	21.32	21.37	21.38	21.34	21.22		
20	QPSK	100	0	21.38	21.22	21.38	21.34	21.28		
20	16QAM	1	0	22.22	22.08	22.11	22.10	22.08	22.3	0
20	16QAM	1	49	22.23	22.15	22.17	22.16	22.10		
20	16QAM	1	99	22.26	22.11	22.17	22.16	22.10		
20	16QAM	50	0	21.16	21.31	21.37	21.28	21.15	21.8	0.5
20	16QAM	50	24	21.29	21.39	21.42	21.35	21.18		
20	16QAM	50	50	21.34	21.36	21.39	21.24	21.16		
20	16QAM	100	0	21.26	21.37	21.39	21.34	21.15		
20	64QAM	1	0	20.81	21.00	21.11	21.06	20.83	21.8	0.5
20	64QAM	1	49	21.03	21.15	21.18	21.11	20.93		
20	64QAM	1	99	21.12	20.99	21.14	21.07	20.86		
20	64QAM	50	0	20.17	20.27	20.36	20.25	20.15	20.8	1.5
20	64QAM	50	24	20.28	20.31	20.37	20.24	20.15		
20	64QAM	50	50	20.33	20.27	20.39	20.31	20.15		
20	64QAM	100	0	20.27	20.25	20.36	20.20	20.15		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.15	22.12	22.18	22.10	22.08	22.3	0
15	QPSK	1	37	22.13	22.02	22.13	22.09	21.96		</

Reduced Power Mode for ECI8

GSM850_Ant 0				GSM1900_Ant 3			
TX Channel		Burst Average Power (dBm)		TX Channel		Burst Average Power (dBm)	
Frequency (MHz)	128	160	251	Frequency (MHz)	128	160	251
	824.2	836.4	848.8		824.2	836.4	848.8
GSM 1 Tx slot	32.10	31.95	32.20	GSM 1 Tx slot	32.10	31.95	32.20
GPRS 1 Tx slot	32.05	31.90	32.17	GPRS 1 Tx slot	32.05	31.90	32.17
GPRS 2 Tx slots	30.16	30.10	30.20	GPRS 2 Tx slots	30.16	30.10	30.20
GPRS 3 Tx slots	28.12	28.06	28.19	GPRS 3 Tx slots	28.12	28.06	28.19
GPRS 4 Tx slots	27.15	27.08	27.22	GPRS 4 Tx slots	27.15	27.08	27.22
EDGE 1 Tx slot	26.17	26.10	26.23	EDGE 1 Tx slot	26.17	26.10	26.23
EDGE 2 Tx slots	25.13	25.05	25.20	EDGE 2 Tx slots	25.13	25.05	25.20
EDGE 3 Tx slots	23.11	23.00	23.15	EDGE 3 Tx slots	23.11	23.00	23.15
EDGE 4 Tx slots	22.10	22.00	22.18	EDGE 4 Tx slots	22.10	22.00	22.18

GSM1900_Ant 4				GSM1900_Ant 5			
TX Channel		Burst Average Power (dBm)		TX Channel		Burst Average Power (dBm)	
Frequency (MHz)	1525.2	1533	1539.3	Frequency (MHz)	1525.2	1533	1539.3
GSM 1 Tx slot	29.75	29.77	29.72	GSM 1 Tx slot	29.75	29.77	29.72
GPRS 1 Tx slot	29.69	29.70	29.66	GPRS 1 Tx slot	29.69	29.70	29.66
GPRS 2 Tx slots	27.79	27.80	27.72	GPRS 2 Tx slots	27.79	27.80	27.72
GPRS 3 Tx slots	25.68	25.70	25.60	GPRS 3 Tx slots	25.68	25.70	25.60
GPRS 4 Tx slots	24.70	24.80	24.70	GPRS 4 Tx slots	24.70	24.80	24.70
EDGE 1 Tx slot	25.62	25.75	25.63	EDGE 1 Tx slot	25.62	25.75	25.63
EDGE 2 Tx slots	24.62	24.68	24.54	EDGE 2 Tx slots	24.62	24.68	24.54
EDGE 3 Tx slots	22.68	22.77	22.67	EDGE 3 Tx slots	22.68	22.77	22.67
EDGE 4 Tx slots	20.71	20.80	20.77	EDGE 4 Tx slots	20.71	20.80	20.77

Band				Band			
TX Channel		Burst Average Power (dBm)		TX Channel		Burst Average Power (dBm)	
Frequency (MHz)	1852.4	1860	1907.6	Frequency (MHz)	1852.4	1860	1907.6
3GPP Rel 99 RMC 12.2Kbps	21.26	21.33	21.21	3GPP Rel 99 RMC 12.2Kbps	21.26	21.33	21.21
3GPP Rel 6 HSDPA Subtest-1	21.19	21.26	21.13	3GPP Rel 6 HSDPA Subtest-1	21.19	21.26	21.13
3GPP Rel 6 HSDPA Subtest-2	21.25	21.32	21.13	3GPP Rel 6 HSDPA Subtest-2	21.25	21.32	21.13
3GPP Rel 6 HSDPA Subtest-3	21.26	21.23	21.22	3GPP Rel 6 HSDPA Subtest-3	21.26	21.23	21.22
3GPP Rel 6 HSDPA Subtest-4	21.26	21.25	21.14	3GPP Rel 6 HSDPA Subtest-4	21.26	21.25	21.14
3GPP Rel 8 DC-HSDPA Subtest-1	21.16	21.31	21.13	3GPP Rel 8 DC-HSDPA Subtest-1	21.16	21.31	21.13
3GPP Rel 8 DC-HSDPA Subtest-2	21.25	21.25	21.23	3GPP Rel 8 DC-HSDPA Subtest-2	21.25	21.25	21.23
3GPP Rel 8 DC-HSDPA Subtest-3	21.26	21.23	21.23	3GPP Rel 8 DC-HSDPA Subtest-3	21.26	21.23	21.23
3GPP Rel 8 DC-HSDPA Subtest-4	21.22	21.23	21.21	3GPP Rel 8 DC-HSDPA Subtest-4	21.22	21.23	21.21
3GPP Rel 6 HSUPA Subtest-1	21.22	21.31	21.13	3GPP Rel 6 HSUPA Subtest-1	21.22	21.31	21.13
3GPP Rel 6 HSUPA Subtest-2	21.17	21.26	21.17	3GPP Rel 6 HSUPA Subtest-2	21.17	21.26	21.17
3GPP Rel 6 HSUPA Subtest-3	21.29	21.22	21.20	3GPP Rel 6 HSUPA Subtest-3	21.29	21.22	21.20
3GPP Rel 6 HSUPA Subtest-4	21.22	21.31	21.27	3GPP Rel 6 HSUPA Subtest-4	21.22	21.31	21.27
3GPP Rel 6 HSUPA Subtest-5	21.18	21.22	21.24	3GPP Rel 6 HSUPA Subtest-5	21.18	21.22	21.24
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.17	21.23	21.27	3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.17	21.23	21.27

Band				Band			
TX Channel		Burst Average Power (dBm)		TX Channel		Burst Average Power (dBm)	
Frequency (MHz)	4132	4182	4233	Frequency (MHz)	4132	4182	4233
3GPP Rel 99 RMC 12.2Kbps	24.15	24.12	24.03	3GPP Rel 99 RMC 12.2Kbps	24.15	24.12	24.03
3GPP Rel 6 HSDPA Subtest-1	23.30	23.21	23.18	3GPP Rel 6 HSDPA Subtest-1	23.30	23.21	23.18
3GPP Rel 6 HSDPA Subtest-2	23.25	23.20	23.17	3GPP Rel 6 HSDPA Subtest-2	23.25	23.20	23.17
3GPP Rel 6 HSDPA Subtest-3	22.76	22.76	22.66	3GPP Rel 6 HSDPA Subtest-3	22.76	22.76	22.66
3GPP Rel 6 HSDPA Subtest-4	22.77	22.70	22.68	3GPP Rel 6 HSDPA Subtest-4	22.77	22.70	22.68
3GPP Rel 8 DC-HSDPA Subtest-1	23.24	23.09	23.12	3GPP Rel 8 DC-HSDPA Subtest-1	23.24	23.09	23.12
3GPP Rel 8 DC-HSDPA Subtest-2	23.24	23.07	23.06	3GPP Rel 8 DC-HSDPA Subtest-2	23.24	23.07	23.06
3GPP Rel 8 DC-HSDPA Subtest-3	22.64	22.73	22.63	3GPP Rel 8 DC-HSDPA Subtest-3	22.64	22.73	22.63
3GPP Rel 8 DC-HSDPA Subtest-4	22.74	22.68	22.54	3GPP Rel 8 DC-HSDPA Subtest-4	22.74	22.68	22.54
3GPP Rel 6 HSUPA Subtest-1	21.30	21.23	21.19	3GPP Rel 6 HSUPA Subtest-1	21.30	21.23	21.19
3GPP Rel 6 HSUPA Subtest-2	21.26	21.21	21.15	3GPP Rel 6 HSUPA Subtest-2	21.26	21.21	21.15
3GPP Rel 6 HSUPA Subtest-3	22.29	22.25	22.16	3GPP Rel 6 HSUPA Subtest-3	22.29	22.25	22.16
3GPP Rel 6 HSUPA Subtest-4	20.80	20.74	20.74	3GPP Rel 6 HSUPA Subtest-4	20.80	20.74	20.74
3GPP Rel 6 HSUPA Subtest-5	22.30	22.20	22.20	3GPP Rel 6 HSUPA Subtest-5	22.30	22.20	22.20
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.20	21.30	21.30	3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.20	21.30	21.30

GSM1900_Ant 3				GSM1900_Ant 4			
TX Channel		Burst Average Power (dBm)		TX Channel		Burst Average Power (dBm)	
Frequency (MHz)	1525.2	1533	1539.3	Frequency (MHz)	1525.2	1533	1539.3
GSM 1 Tx slot	29.15	29.20	29.32	GSM 1 Tx slot	29.15	29.20	29.32
GPRS 1 Tx slot	29.05	29.18	29.30	GPRS 1 Tx slot	29.05	29.18	29.30
GPRS 2 Tx slots	27.13	27.30	27.33	GPRS 2 Tx slots	27.13	27.30	27.33
GPRS 3 Tx slots	25.15	25.20	25.36	GPRS 3 Tx slots	25.15	25.20	25.36
GPRS 4 Tx slots	24.18	24.21	24.35	GPRS 4 Tx slots	24.18	24.21	24.35
EDGE 1 Tx slot	25.42	25.49	25.42	EDGE 1 Tx slot	25.42	25.49	25.42
EDGE 2 Tx slots	24.09	24.13	24.28	EDGE 2 Tx slots	24.09	24.13	24.28
EDGE 3 Tx slots	22.07	22.16	22.30	EDGE 3 Tx slots	22.07	22.16	22.30
EDGE 4 Tx slots	20.10	20.18	20.22	EDGE 4 Tx slots	20.10	20.18	20.22

Band				Band			
TX Channel		Burst Average Power (dBm)		TX Channel		Burst Average Power (dBm)	
Frequency (MHz)	1712.4	1732.6	1752.6	Frequency (MHz)	1712.4	1732.6	1752.6
3GPP Rel 99 RMC 12.2Kbps	20.82	20.92	20.84	3GPP Rel 99 RMC 12.2Kbps	20.82	20.92	20.84
3GPP Rel 6 HSDPA Subtest-1	20.80	20.85	20.85	3GPP Rel 6 HSDPA Subtest-1	20.80	20.85	20.85
3GPP Rel 6 HSDPA Subtest-2	20.83	20.86	20.86	3GPP Rel 6 HSDPA Subtest-2	20.83	20.86	20.86
3GPP Rel 6 HSDPA Subtest-3	20.82	20.87	20.90	3GPP Rel 6 HSDPA Subtest-3	20.82	20.87	20.90
3GPP Rel 6 HSDPA Subtest-4	20.84	20.86	20.89	3GPP Rel 6 HSDPA Subtest-4	20.84	20.86	20.89
3GPP Rel 8 DC-HSDPA Subtest-1	20.86	20.89	20.81	3GPP Rel 8 DC-HSDPA Subtest-1	20.86	20.89	20.81
3GPP Rel 8 DC-HSDPA Subtest-2	20.88	20.90	20.88	3GPP Rel 8 DC-HSDPA Subtest-2	20.88	20.90	20.88
3GPP Rel 8 DC-HSDPA Subtest-3	20.89	20.93	20.84	3GPP Rel 8 DC-HSDPA Subtest-3	20.89	20.93	20.84
3GPP Rel 8 DC-HSDPA Subtest-4	20.83	20.87	20.85	3GPP Rel 8 DC-HSDPA Subtest-4	20.83	20.87	20.85
3GPP Rel 6 HSUPA Subtest-1	20.84	20.95	20.86	3GPP Rel 6 HSUPA Subtest-1	20.84	20.95	20.86
3GPP Rel 6 HSUPA Subtest-2	20.78	20.91	20.92	3GPP Rel 6 HSUPA Subtest-2	20.78	20.91	20.92
3GPP Rel 6 HSUPA Subtest-3	20.83	20.90	20.89	3GPP Rel 6 HSUPA Subtest-3	20.83	20.90	20.89
3GPP Rel 6 HSUPA Subtest-4	20.84	20.85	20.87	3GPP Rel 6 HSUPA Subtest-4	20.84	20.85	20.87
3GPP Rel 6 HSUPA Subtest-5	20.78	20.88	20.80	3GPP Rel 6 HSUPA Subtest-5	20.78	20.88	20.80
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.79	20.86	20.88	3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.79	20.86	20.88

Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./Freq	Power Ch./Freq	Power Ch./Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.00	21.00	21.00			
20	QPSK	1	49	20.94	21.02	20.95	21.3	0	
20	QPSK	1	99	20.89	20.96	20.98			
20	QPSK	50	0	20.95	21.00	20.98			
20	QPSK	50	24	20.85	21.02	20.96	21.3	0	
20	QPSK	50	50	20.90	20.94	20.99			
20	QPSK	100	0	20.89	21.00	20.98			
20	16QAM	1	0	20.90	20.98	20.95			
20	16QAM	1	49	20.95	20.95	20.98	21.3	0	
20	16QAM	1	99	20.87	20.95	20.98			
20	16QAM	50	0	20.92	20.98	21.00			
20	16QAM	50	24	20.85	20.96	20.96	21.3	0	
20	16QAM	50	50	20.94	20.93	20.98			
20	16QAM	100	0	20.89	20.97	20.99			
20	64QAM	1	0	20.97	21.01	20.90			
20	64QAM	1	49	20.88	20.91	20.94	21.3	0	
20	64QAM	1	99	20.86	20.91	20.92			
20	64QAM	50	0	20.92	21.00	20.98			
20	64QAM	50	24	20.93	20.92	20.99	21.3	0	
20	64QAM	50	50	20.89	20.95	20.92			
20	64QAM	100	0	20.89	20.97	20.98			
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.90	20.95	20.97			
15	QPSK	1	37	20.81	20.90	20.92	21.3	0	
15	QPSK	1	74	20.74	20.81	20.82			
15	QPSK	36	0	20.92	20.98	20.95			
15	QPSK	36	20	20.70	20.95	20.95	21.3	0	
15	QPSK	36	39	20.75	20.92	20.87			
15	QPSK	75	0	20.74	20.88	20.93			
15	16QAM	1	0	20.85	20.87	20.92			
15	16QAM	1	37	20.80	20.88	20.89	21.3	0	
15	16QAM	1	74	20.74	20.81	20.82			
15	16QAM	36	0	20.87	20.84	20.85			
15	16QAM	36	20	20.82	20.81	20.95	21.3	0	
15	16QAM	36	39	20.91	20.86	20.87			
15	16QAM	75	0	20.77	20.86	20.90			
15	64QAM	1	0	20.91	20.89	20.93			
15	64QAM	1	37	20.73	20.78	20.88	21.3	0	
15	64QAM	1	74	20.78	20.81	20.86			
15	64QAM	36	0	20.81	20.91	20.96			
15	64QAM	36	20	20.91	20.80	20.87	21.3	0	
15	64QAM	36	39	20.75	20.82	20.81			
15	64QAM	75	0	20.85	20.95	20.98			
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.89	21.04	20.96			
10	QPSK	1	24	20.81	20.87	20.91	21.3	0	
10	QPSK	1	49	20.83	20.94	20.89			
10	QPSK	25	0	20.82	20.88	20.99			
10	QPSK	25	12	20.81	20.95	20.92	21.3	0	
10	QPSK	25	12	20.76	20.81	20.81			
10	QPSK	50	0	20.84	20.83	20.84			
10	16QAM	1	0	20.88	20.84	20.92			
10	16QAM	1	24	20.82	20.88	20.86	21.3	0	
10	16QAM	1	49	20.82	20.81	20.92			
10	16QAM	25	0	20.94	20.84	20.98			
10	16QAM	25	12	20.82	20.81	20.92	21.3	0	
10	16QAM	25	12	20.86	20.97	20.94			
10	16QAM	50	0	20.83	20.84	20.94			
10	64QAM	1	0	20.89	20.87	20.94			
10	64QAM	1	24	20.86	20.89	20.94	21.3	0	
10	64QAM	1	49	20.77	20.86	20.85			
10	64QAM	25	0	20.84	20.90	20.94			
10	64QAM	25	12	20.90	20.87	20.88	21.3	0	
10	64QAM	25	12	20.86	20.94	20.94			
10	64QAM	50	0	20.89	20.90	20.89			
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.87	20.95	21.01			
5	QPSK	1	12	20.90	20.88	20.91	21.3	0	
5	QPSK	1	24	20.78	20.87	20.78			
5	QPSK	12	0	20.86	20.93	20.95			
5	QPSK	12	7	20.77	20.80	20.87	21.3	0	
5	QPSK	12	13	20.77	20.93	20.92			
5	QPSK	25	0	20.88	20.98	20.96			
5	QPSK	25	0	20.81	20.95	20.96	21.3	0	
5	QPSK	1	12	20.81	20.91	20.96			
5	16QAM	1	24	20.85	20.88	20.87			
5	16QAM	12	0	20.89	20.96	20.85	21.3	0	
5	16QAM	12	7	20.77	20.80	20.87			
5	16QAM	12	13	20.91	20.86	20.87	21.3	0	
5	16QAM	25	0	20.76	20.92	20.84			
5	64QAM	1	0	20.86	21.00	20.79	21.3	0	
5	64QAM	1	24	20.83	20.90	20.90			
5	64QAM	1	24	20.73	20.84	20.78			
5	64QAM	12	0	20.88	20.97	20.83	21.3	0	
5	64QAM	12	7	20.83	20.90	20.96			
5	64QAM	12	13	20.88	20.90	20.82	21.3	0	
5	64QAM	25	0	20.85	20.87	20.86			
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.85	20.96	20.90			
3	QPSK	1	8	20.82	20.87	20.85	21.3	0	
3	QPSK	1	14	20.80	20.86	20.82			
3	QPSK	8	0	20.83	21.00	20.92			
3	QPSK	8	4	20.74	20.96	20.83	21.3	0	
3	QPSK	8	7	20.77	20.93	20.89			
3	QPSK	15	0	20.83	20.93	20.84			
3	16QAM	1	0	20.82	20.86	20.96			
3	16QAM	1	8	20.80	20.83	20.83	21.3	0	
3	16QAM	1	14	20.78	20.84	20.92			
3	16QAM	8	0	20.86	20.90	20.92			
3	16QAM	8	4	20.73	20.94	20.89	21.3	0	
3	16QAM	8	7	20.88	20.91	20.93			
3	16QAM	15	0	20.78	20.84	20.90			
3	64QAM	1	0	20.85	20.95	20.76	21.3	0	
3	64QAM	1	8	20.81	20.76	20.83			
3	64QAM	1	14	20.84	20.76	20.88			
3	64QAM	8	0	20.83	20.78	20.86	21.3	0	
3	64QAM	8	4	20.83	20.78	20.86			
3	64QAM	8	7	20.74	20.87	20.91			
3	64QAM	15	0	20.86	20.95	20.88			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.86	20.99	20.89			
1.4	QPSK	1	3	20.85	20.92	20.84	21.3	0	
1.4	QPSK	1	5	20.85	20.90	20.84			
1.4	QPSK	3	0	20.93	20.90	20.99			
1.4	QPSK	3	1	20.74	20.87	20.87	21.3	0	
1.4	QPSK	3	1	20.86	20.90	20.96			
1.4	QPSK	6	0	20.76	20.91	20.76	21.3	0	
1.4	16QAM	1	0	20.75	20.96	20.88			
1.4	16QAM	1	3	20.88	20.82	20.92	21.3	0	
1.4	16QAM	1	5	20.77	20.87	20.94			
1.4	16QAM	3	0	20.84	20.84	20.90			
1.4	16QAM	3	1	20.80	20.84	20.86	21.3	0	
1.4	16QAM	3	1	20.90	20.87	20.96			
1.4	16QAM	6	0	20.83	20.97	20.86	21.3	0	
1.4	64QAM	1	0	20.95	20.87	20.76			
1.4	64QAM	1	3	20.83	20.85	20.87			
1.4	64QAM	1	5	20.72	20.84	20.90	21.3	0	
1.4	64QAM	3	0	20.88	20.84	20.89			
1.4	64QAM	3	1	20.80	20.85	20.85			
1.4	64QAM	3	3	20.88	20.80	20.92	21.3	0	
1.4	64QAM	6	0	20.81	20.97	20.83	21.3	0	

Band 2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Turn-up limt (dB)	MPR (dB)	
Channel									
Frequency (MHz)				1860	18900	19100			
20	QPSK	1	0	20.43	20.49	20.45			
20	QPSK	1	49	20.28	20.44	20.34	20.7	0	
20	QPSK	1	99	20.38	20.46	20.36			
20	QPSK	50	0	20.37	20.47	20.37			
20	QPSK	50	24	20.38	20.42	20.32	20.7	0	
20	QPSK	50	50	20.31	20.46	20.32			
20	QPSK	100	0	20.33	20.44	20.38			
20	16QAM	50	0	20.37	20.47	20.37			
20	16QAM	1	49	20.41	20.42	20.39	20.7	0	
20	16QAM	1	99	20.42	20.47	20.41			
20	16QAM	50	0	20.38	20.44	20.34			
20	16QAM	50	24	20.39	20.43	20.31	20.7	0	
20	16QAM	50	50	20.34	20.48	20.44			
20	16QAM	100	0	20.32	20.48	20.47			
20	16QAM	1	49	20.43	20.43	20.43			
20	64QAM	1	49	20.31	20.48	20.42	20.7		
20	64QAM	1	99	20.31	20.43	20.33			
20	64QAM	50	0	20.39	20.42	20.37			
20	64QAM	50	24	20.39	20.42	20.36	20.7		
20	64QAM	50	50	20.30	20.38	20.44			
20	64QAM	100	0	20.42	20.48	20.44			
Channel									
Frequency (MHz)				1857.5	1880	1892.5	Turn-up limt (dB)	MPR (dB)	
18	QPSK	1	0	20.29	20.36	20.34			
18	QPSK	1	37	20.20	20.31	20.22	20.7	0	
18	QPSK	1	74	20.37	20.37	20.37			
18	QPSK	36	0	20.38	20.34	20.33			
18	QPSK	36	20	20.38	20.34	20.28	20.7	0	
18	QPSK	36	39	20.18	20.34	20.29			
18	QPSK	36	58	20.22	20.34	20.22	20.7	0	
18	16QAM	1	0	20.18	20.22	20.26			
18	16QAM	1	37	20.40	20.29	20.25	20.7	0	
18	16QAM	1	74	20.34	20.37	20.33			
18	16QAM	36	0	20.19	20.38	20.19			
18	16QAM	36	20	20.15	20.42	20.20	20.7	0	
18	64QAM	36	0	20.21	20.40	20.39			
18	64QAM	75	0	20.30	20.40	20.38			
18	64QAM	1	0	20.38	20.41	20.39			
18	64QAM	1	37	20.25	20.37	20.29	20.7	0	
18	64QAM	1	74	20.29	20.37	20.31			
18	64QAM	36	0	20.31	20.27	20.29			
18	64QAM	36	20	20.29	20.23	20.28	20.7	0	
18	64QAM	36	39	20.28	20.38	20.34			
18	64QAM	75	0	20.28	20.33	20.43			
Channel									
Frequency (MHz)				1865.5	1880	1905	Turn-up limt (dB)	MPR (dB)	
10	QPSK	1	0	20.32	20.43	20.42			
10	QPSK	1	49	20.21	20.34	20.18	20.7	0	
10	QPSK	25	0	20.30	20.44	20.27			
10	QPSK	25	25	20.35	20.34	20.31			
10	QPSK	25	50	20.38	20.41	20.37	20.7	0	
10	QPSK	25	75	20.38	20.41	20.37			
10	QPSK	25	25	20.29	20.36	20.20	20.7	0	
10	QPSK	50	0	20.32	20.34	20.35			
10	16QAM	1	0	20.23	20.44	20.28			
10	16QAM	1	25	20.32	20.34	20.34	20.7	0	
10	16QAM	1	49	20.34	20.36	20.38			
10	16QAM	25	0	20.23	20.41	20.16			
10	16QAM	25	25	20.29	20.36	20.29	20.7	0	
10	16QAM	25	50	20.32	20.47	20.41			
10	16QAM	50	0	20.19	20.40	20.24			
10	64QAM	1	0	20.37	20.35	20.35			
10	64QAM	1	25	20.18	20.39	20.41	20.7	0	
10	64QAM	1	49	20.20	20.28	20.29			
10	64QAM	25	0	20.28	20.39	20.32			
10	64QAM	25	25	20.29	20.34	20.30	20.7	0	
10	64QAM	25	50	20.26	20.34	20.30			
10	64QAM	50	0	20.32	20.44	20.35			
Channel									
Frequency (MHz)				1862.5	1880	1897.5	Turn-up limt (dB)	MPR (dB)	
5	QPSK	1	0	20.31	20.37	20.35			
5	QPSK	1	12	20.19	20.42	20.31	20.7	0	
5	QPSK	1	24	20.28	20.44	20.24			
5	QPSK	12	0	20.37	20.34	20.34	20.7	0	
5	QPSK	12	13	20.17	20.35	20.23			
5	QPSK	12	25	20.27	20.35	20.31			
5	16QAM	1	0	20.27	20.34	20.30			
5	16QAM	1	12	20.27	20.32	20.29	20.7	0	
5	16QAM	1	24	20.27	20.34	20.28			
5	16QAM	12	0	20.27	20.38	20.19			
5	16QAM	12	7	20.25	20.28	20.32	20.7	0	
5	16QAM	12	13	20.20	20.35	20.27			
5	16QAM	12	25	20.31	20.37	20.34			
5	64QAM	1	0	20.39	20.40	20.33			
5	64QAM	1	12	20.16	20.42	20.28	20.7	0	
5	64QAM	1	24	20.21	20.34	20.30			
5	64QAM	12	0	20.38	20.39	20.28			
5	64QAM	12	7	20.34	20.35	20.35	20.7	0	
5	64QAM	12	13	20.21	20.35	20.34			
5	64QAM	25	0	20.30	20.40	20.30			
Channel									
Frequency (MHz)				1861.5	1880	1918.5	Turn-up limt (dB)	MPR (dB)	
3	QPSK	1	0	20.42	20.36	20.30			
3	QPSK	1	0	20.42	20.36	20.30	20.7	0	
3	QPSK	1	14	20.30	20.39	20.31			
3	QPSK	8	0	20.28	20.34	20.34			
3	QPSK	8	7	20.28	20.37	20.18	20.7	0	
3	QPSK	8	7	20.18	20.44	20.29			
3	QPSK	15	0	20.30	20.39	20.23			
3	16QAM	1	0	20.31	20.25	20.20			
3	16QAM	1	0	20.31	20.31	20.31	20.7	0	
3	16QAM	1	14	20.33	20.33	20.28			
3	16QAM	8	0	20.28	20.39	20.27			
3	16QAM	8	7	20.28	20.34	20.29	20.7	0	
3	16QAM	8	7	20.20	20.35	20.20			
3	16QAM	15	0	20.24	20.47	20.23			
3	64QAM	1	0	20.37	20.36	20.46			
3	64QAM	1	0	20.39	20.39	20.39	20.7	0	
3	64QAM	1	14	20.26	20.42	20.29			
3	64QAM	8	0	20.25	20.39	20.26			
3	64QAM	8	7	20.22	20.32	20.26	20.7	0	
3	64QAM	8	7	20.15	20.27	20.20			
3	64QAM	15	0	20.27	20.44	20.40			
Channel									
Frequency (MHz)				1860.7	1880	1893.3	Turn-up limt (dB)	MPR (dB)	
1.4	QPSK	1	0	20.29	20.46	20.38			
1.4	QPSK	1	3	20.25	20.29	20.32			
1.4	QPSK	1	6	20.36	20.40	20.22	20.7	0	
1.4	QPSK	1	9	20.39	20.38	20.34			
1.4	QPSK	3	1	20.23	20.31	20.31			
1.4	QPSK	3	3	20.28	20.38	20.20	20.7	0	
1.4	QPSK	3	6	20.28	20.31	20.27			
1.4	16QAM	1	0	20.19	20.31	20.31			
1.4	16QAM	1	3	20.37	20.34	20.36			
1.4	16QAM	1	6	20.37	20.34	20.33	20.7	0	
1.4	16QAM	3	0	20.21	20.29	20.24			
1.4	16QAM	3	1	20.15	20.37	20.35			
1.4	16QAM	3	3	20.21	20.34	20.40			
1.4	16QAM	3	6	20.25	20.38	20.40	20.7	0	
1.4	64QAM	1	0	20.38	20.36	20.41			
1.4	64QAM	1	3	20.34	20.47	20.30			
1.4	64QAM	1	6	20.39	20.32	20.29	20.7	0	
1.4	64QAM	3	0	20.35	20.41	20.34			
1.4	64QAM	3	1	20.23	20.33	20.24			
1.4	64QAM	3	3	20.18	20.23	20.27	20.7	0	

Band 4_Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mask Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				20560	20175	20300						
20	QPSK	1	0	22.65	22.62	22.55	22.9	0				
20	QPSK	1	49	22.65	22.62	22.57						
20	QPSK	1	99	22.55	22.56	22.50						
20	QPSK	50	0	22.15	22.18	22.10						
20	QPSK	50	24	22.12	22.02	22.07						
20	QPSK	50	50	22.02	22.06	22.00	22.4	0.5				
20	QPSK	100	0	22.06	22.11	22.03						
20	16QAM	1	0	22.33	22.34	22.39						
20	16QAM	1	49	22.37	22.34	22.33						
20	16QAM	50	0	21.08	21.10	21.04						
20	16QAM	50	24	21.02	21.05	21.07	21.9	1				
20	16QAM	50	50	21.03	21.06	21.00						
20	16QAM	100	0	21.05	21.09	21.01						
20	16QAM	100	24	21.06	21.07	21.07						
20	64QAM	1	0	21.26	21.22	21.27						
20	64QAM	1	49	21.26	21.30	21.20	21.9	1				
20	64QAM	1	99	21.08	21.10	21.04						
20	64QAM	50	0	20.12	20.08	20.09						
20	64QAM	50	24	20.11	20.09	20.08						
20	64QAM	50	50	20.03	20.09	20.01						
20	64QAM	100	0	20.08	20.08	20.00	20.9	2				
Channel												
Frequency (MHz)				20025	20175	20325				Turn-up limt (dBm)	MPR (dB)	
15	QPSK	1	0	22.53	22.62	22.55	22.9	0				
15	QPSK	1	37	22.53	22.58	22.45						
15	QPSK	1	74	22.42	22.40	22.35						
15	QPSK	36	0	22.12	22.07	22.04						
15	QPSK	36	20	22.01	21.98	21.96						
15	QPSK	75	0	21.93	21.98	21.89	22.4	0.5				
15	16QAM	1	0	22.24	22.28	22.32						
15	16QAM	1	37	22.22	22.37	22.22						
15	16QAM	1	74	22.02	22.05	22.04						
15	16QAM	36	0	21.04	21.05	20.92						
15	16QAM	36	20	21.02	20.96	20.97	21.9	1				
15	16QAM	75	0	21.02	21.04	20.93						
15	16QAM	75	20	20.96	20.96	20.88						
15	64QAM	1	0	21.19	21.14	21.25						
15	64QAM	1	37	21.12	21.29	21.17						
15	64QAM	1	74	20.99	20.97	20.91	20.9	2				
15	64QAM	36	0	20.01	19.93	19.96						
15	64QAM	36	20	20.00	19.96	19.94						
15	64QAM	75	0	20.03	20.00	19.99						
15	64QAM	75	20	20.03	20.00	19.99						
Channel												
Frequency (MHz)				20000	20175	20350	Turn-up limt (dBm)	MPR (dB)				
10	QPSK	1	0	22.54	22.68	22.49	22.9	0				
10	QPSK	1	24	22.53	22.57	22.54						
10	QPSK	1	49	22.43	22.52	22.45						
10	QPSK	25	0	22.07	22.17	21.97						
10	QPSK	25	12	22.11	22.01	21.96						
10	QPSK	50	0	21.93	21.97	21.87	22.4	0.5				
10	QPSK	50	0	21.95	22.07	21.95						
10	16QAM	1	0	22.22	22.30	22.37						
10	16QAM	1	24	22.33	22.34	22.19						
10	16QAM	1	49	22.01	22.17	22.15						
10	16QAM	25	0	20.98	20.96	21.06	21.9	1				
10	16QAM	25	12	21.02	20.95	21.01						
10	16QAM	25	24	21.02	20.97	20.96						
10	16QAM	50	0	20.95	20.98	20.98						
10	64QAM	1	0	21.18	21.08	21.16						
10	64QAM	1	24	21.20	21.20	21.18	21.9	1				
10	64QAM	1	49	21.04	21.09	20.94						
10	64QAM	25	0	20.02	20.00	19.99						
10	64QAM	25	12	19.99	19.97	19.97						
10	64QAM	25	24	19.98	19.94	19.97						
10	64QAM	50	0	20.04	20.05	19.90	20.9	2				
10	64QAM	50	0	20.04	20.05	19.90						
Channel												
Frequency (MHz)				19975	20175	20385	Turn-up limt (dBm)	MPR (dB)				
5	QPSK	1	0	22.65	22.62	22.48	22.9	0				
5	QPSK	1	24	22.56	22.61	22.45						
5	QPSK	1	49	22.43	22.52	22.45						
5	QPSK	12	0	22.07	22.17	21.97						
5	QPSK	12	13	22.08	22.14	22.03						
5	QPSK	12	13	21.96	21.98	21.87	22.4	0.5				
5	QPSK	25	0	21.96	22.09	21.89						
5	16QAM	1	0	22.20	22.25	22.30						
5	16QAM	1	12	22.31	22.25	22.19						
5	16QAM	1	24	22.14	22.07	22.11						
5	16QAM	12	0	21.07	21.02	21.05	21.9	1				
5	16QAM	12	7	21.09	20.95	20.97						
5	16QAM	12	13	21.00	20.97	20.90						
5	16QAM	25	0	20.92	20.94	21.02						
5	64QAM	1	0	21.17	21.15	21.24						
5	64QAM	1	12	21.14	21.31	21.15	21.9	1				
5	64QAM	1	24	21.04	21.08	20.93						
5	64QAM	12	0	20.06	19.94	20.07						
5	64QAM	12	13	19.98	19.97	19.97						
5	64QAM	12	13	19.92	20.03	19.96						
5	64QAM	25	0	19.99	19.98	20.04	20.9	2				
5	64QAM	25	0	19.99	19.98	20.04						
Channel												
Frequency (MHz)				19965	20175	20395	Turn-up limt (dBm)	MPR (dB)				
3	QPSK	1	0	22.51	22.55	22.47	22.9	0				
3	QPSK	1	8	22.61	22.50	22.44						
3	QPSK	1	14	22.46	22.45	22.39						
3	QPSK	8	0	22.06	22.14	21.99						
3	QPSK	8	4	22.11	22.04	21.99						
3	QPSK	8	7	21.93	21.91	21.86	22.4	0.5				
3	QPSK	15	0	22.05	22.10	21.96						
3	16QAM	1	0	22.23	22.30	22.33						
3	16QAM	1	8	22.27	22.38	22.31						
3	16QAM	1	14	22.12	22.21	22.17						
3	16QAM	8	0	20.97	21.04	20.99	21.9	1				
3	16QAM	8	4	20.98	21.05	20.93						
3	16QAM	8	7	20.91	21.06	20.90						
3	16QAM	15	0	20.94	21.03	21.00						
3	64QAM	1	0	21.15	21.08	21.20						
3	64QAM	1	8	21.17	21.23	21.16	21.9	1				
3	64QAM	1	14	21.03	20.97	20.90						
3	64QAM	8	0	20.07	19.95	20.00						
3	64QAM	8	4	20.00	20.07	20.00						
3	64QAM	8	7	19.94	20.07	19.98						
3	64QAM	15	0	20.02	20.05	20.04	20.9	2				
3	64QAM	15	0	20.02	20.05	20.04						
Channel												
Frequency (MHz)				19957	20175	20393	Turn-up limt (dBm)	MPR (dB)				
1.4	QPSK	1	0	22.57	22.54	22.50	22.9	0				
1.4	QPSK	1	3	22.54	22.51	22.44						
1.4	QPSK	1	5	22.52	22.53	22.47						
1.4	QPSK	3	0	22.96	22.93	22.47						
1.4	QPSK	3	3	22.54	22.52	22.47	22.4	0.5				
1.4	QPSK	3	5	22.56	22.57	22.50						
1.4	QPSK	3	7	22.58	22.59	22.56						
1.4	QPSK	3	9	22.53	22.53	22.47						
1.4	16QAM	1	0	22.25	22.30	22.25	21.9	1				
1.4	16QAM	1	3	22.26	22.31	22.20						
1.4	16QAM	1	5	22.27	22.31	22.24						
1.4	16QAM	3	0	22.04	22.02	21.95						
1.4	16QAM	3	1	22.03	22.02	21.96	21.9	1				
1.4	16QAM	3	3	22.01	22.02	21.94						
1.4	16QAM	3	5	21.11	21.08	21.02						
1.4	64QAM	1	0	21.24	21.25	21.15						
1.4	64QAM	1	3	21.17	21.22	21.14	21.9	1				
1.4	64QAM	1	5	21.17	21.23	21.16						
1.4	64QAM	3	0	21.18	21.14	21.07						
1.4	64QAM	3	1	21.16	21.15	21.06						
1.4	64QAM	3	3	21.16	21.14	21.04	20.9	2				
1.4	64QAM	3	5	21.16	21.14	21.04						
Channel												

Band 7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20650	21100	21550			
				2310	2335	2360			
20	QPSK	1	0	18.01	19.10	19.35			
20	QPSK	1	49	18.93	19.00	18.92	19.5	0	
20	QPSK	1	99	18.99	19.06	18.90			
20	QPSK	50	0	18.95	19.01	19.01			
20	QPSK	50	24	18.94	19.02	19.01	19.5	0	
20	QPSK	50	50	18.99	19.01	18.98			
20	QPSK	100	0	18.86	19.05	19.30			
20	16QAM	1	0	18.92	19.01	19.01			
20	16QAM	1	49	18.94	19.00	19.03	19.5	0	
20	16QAM	1	99	18.90	19.02	19.04			
20	16QAM	50	0	18.90	19.07	18.99			
20	16QAM	50	24	18.97	19.05	18.90	19.5	0	
20	16QAM	50	50	18.97	19.06	18.98			
20	16QAM	100	0	18.86	19.07	19.03			
20	16QAM	1	0	18.86	18.98	18.98			
20	16QAM	1	49	18.91	19.06	19.02	19.5	0	
20	16QAM	1	99	18.87	19.02	18.98			
20	16QAM	50	0	18.96	19.04	18.91			
20	16QAM	50	24	18.86	19.09	18.94	19.5	0	
20	16QAM	50	50	18.86	18.95	18.99			
20	16QAM	100	0	18.85	19.02	18.95			
Channel									
Frequency (MHz)				20650	21100	21575	Turn-up limt (dBm)	MPR (dB)	
				2507.5	2530	2562.5			
15	QPSK	1	0	18.93	19.04	18.92			
15	QPSK	1	37	18.87	18.87	18.90	19.5	0	
15	QPSK	1	74	18.84	19.05	18.93			
15	QPSK	36	0	18.92	18.92	19.01			
15	QPSK	36	20	18.80	18.87	18.99	19.5	0	
15	QPSK	36	39	18.77	18.91	18.95			
15	QPSK	75	0	18.71	18.93	18.97			
15	16QAM	1	0	18.83	18.94	18.91			
15	16QAM	1	37	18.96	18.93	18.98	19.5	0	
15	16QAM	1	74	18.87	18.95	19.01			
15	16QAM	36	0	18.89	18.92	18.95			
15	16QAM	36	20	18.88	18.92	18.80	19.5	0	
15	16QAM	36	39	18.87	18.95	18.94			
15	16QAM	75	0	18.84	18.94	18.94			
15	16QAM	1	0	18.73	18.87	18.84			
15	16QAM	1	37	18.85	18.85	18.88	19.5	0	
15	16QAM	1	74	18.85	18.94	18.91			
15	16QAM	36	0	18.78	18.93	18.85			
15	16QAM	36	20	18.72	18.98	18.81	19.5	0	
15	16QAM	36	39	18.72	18.92	18.94			
15	16QAM	75	0	18.85	18.95	18.95			
Channel									
Frequency (MHz)				20800	21100	21400	Turn-up limt (dBm)	MPR (dB)	
				2505	2535	2565			
10	QPSK	1	0	18.97	18.98	18.90			
10	QPSK	1	24	18.89	18.92	18.86	19.5	0	
10	QPSK	1	49	18.89	18.97	18.84			
10	QPSK	25	0	18.92	18.92	18.92			
10	QPSK	25	12	18.83	18.90	18.99	19.5	0	
10	QPSK	25	26	18.81	18.90	18.89			
10	QPSK	50	0	18.84	18.87	18.90			
10	16QAM	1	0	18.83	19.00	18.90			
10	16QAM	1	49	18.88	18.98	18.99	19.5	0	
10	16QAM	1	99	18.88	18.98	18.99			
10	16QAM	25	0	18.78	19.01	18.84			
10	16QAM	25	12	18.89	19.01	18.85	19.5	0	
10	16QAM	25	26	18.96	18.97	18.98			
10	16QAM	50	0	18.75	19.01	19.01			
10	16QAM	1	0	18.85	18.83	18.85	19.5	0	
10	16QAM	1	25	18.81	18.99	18.80			
10	16QAM	1	49	18.79	18.99	18.96	19.5	0	
10	16QAM	25	0	18.80	18.94	18.78			
10	16QAM	25	12	18.81	19.01	18.83	19.5	0	
10	16QAM	25	26	18.83	18.90	18.91			
10	16QAM	50	0	18.93	18.89	18.85			
10	16QAM	25	0	18.92	18.89	18.92			
Channel									
Frequency (MHz)				20775	21100	21425	Turn-up limt (dBm)	MPR (dB)	
				2502.5	2535	2567.5			
5	QPSK	1	0	18.93	19.05	19.01			
5	QPSK	1	12	18.91	18.95	18.81	19.5	0	
5	QPSK	1	24	18.91	18.93	18.86			
5	QPSK	12	0	18.88	19.00	18.94			
5	QPSK	12	7	18.91	18.92	18.97	19.5	0	
5	QPSK	12	13	18.74	18.98	18.94			
5	QPSK	25	0	18.82	19.01	18.95			
5	16QAM	1	0	18.80	18.96	18.86			
5	16QAM	1	12	18.79	18.93	18.89	19.5	0	
5	16QAM	1	24	18.75	18.88	18.98			
5	16QAM	12	0	18.83	18.92	18.88			
5	16QAM	12	7	18.93	18.91	18.91	19.5	0	
5	16QAM	12	13	18.92	18.94	18.85			
5	16QAM	25	0	18.71	18.99	19.04			
5	16QAM	1	0	18.83	18.92	18.94	19.5	0	
5	16QAM	1	12	18.77	19.04	18.97			
5	16QAM	1	24	18.82	19.02	18.87			
5	16QAM	12	0	18.82	19.02	18.78	19.5	0	
5	16QAM	12	7	18.72	18.99	18.91			
5	16QAM	12	13	18.74	18.83	18.97	19.5	0	
5	16QAM	25	0	18.92	18.89	18.92			

Band 7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20650	21100	21550			
				2510	2535	2560			
20	QPSK	1	0	22.25	22.33	22.31			
20	QPSK	1	49	22.21	22.20	22.29	23	0	
20	QPSK	1	99	22.15	22.18	22.30			
20	QPSK	50	0	21.95	21.95	21.93			
20	QPSK	50	24	21.00	21.00	21.11	22	1	
20	QPSK	50	50	20.97	21.02	21.08			
20	16QAM	1	0	21.08	21.17	21.19			
20	16QAM	1	49	21.25	21.28	21.33	22	1	
20	16QAM	1	99	21.24	21.26	21.41			
20	16QAM	50	0	19.95	19.96	20.04			
20	16QAM	50	24	19.98	19.98	20.12	21	2	
20	16QAM	50	50	19.98	20.03	20.12			
20	16QAM	100	0	19.98	19.97	20.06			
20	16QAM	1	0	19.99	20.11	20.10			
20	16QAM	1	49	20.10	20.19	20.27	21	2	
20	16QAM	1	99	20.13	20.17	20.29			
20	16QAM	50	0	18.95	18.95	19.04			
20	16QAM	50	24	18.99	19.00	19.11	20	3	
20	16QAM	50	50	18.97	19.02	19.12			
20	16QAM	100	0	18.97	18.98	19.07			
Channel									
Frequency (MHz)				20625	21100	21575	Turn-up limit (dBm)	MPR (dB)	
				2507.5	2535	2562.5			
15	QPSK	1	0	22.21	22.31	22.28			
15	QPSK	1	37	22.08	22.18	22.18	23	0	
15	QPSK	1	74	22.04	22.13	22.17			
15	QPSK	36	0	21.02	21.08	21.02			
15	QPSK	36	20	20.95	20.94	21.01	22	1	
15	QPSK	36	39	20.92	21.01	21.00			
15	QPSK	75	0	20.90	21.10	21.05			
15	16QAM	1	0	21.05	21.13	21.18			
15	16QAM	1	37	21.20	21.15	21.22	22	1	
15	16QAM	1	74	21.14	21.21	21.38			
15	16QAM	36	0	19.85	19.86	19.95			
15	16QAM	36	20	19.95	19.99	20.05	21	2	
15	16QAM	36	39	19.89	19.95	20.07			
15	16QAM	75	0	19.88	19.90	19.93			
15	16QAM	1	0	19.90	19.99	20.08			
15	16QAM	1	37	20.13	20.11	20.26	21	2	
15	16QAM	1	74	20.07	20.09	20.23			
15	16QAM	36	0	18.81	18.92	18.95			
15	16QAM	36	20	18.86	18.92	18.98	20	3	
15	16QAM	36	39	18.82	18.92	18.97			
15	16QAM	75	0	18.85	18.95	18.94			
Channel									
Frequency (MHz)				20800	21100	21400	Turn-up limit (dBm)	MPR (dB)	
				2505	2535	2565			
10	QPSK	1	0	22.23	22.24	22.28			
10	QPSK	1	24	22.17	22.17	22.17	23	0	
10	QPSK	1	49	22.12	22.28	22.15			
10	QPSK	25	0	21.07	21.07	21.07	21	0	
10	QPSK	25	12	20.99	20.98	20.98	22	1	
10	QPSK	25	25	20.96	21.01	21.07			
10	QPSK	50	0	20.95	21.02	21.02			
10	16QAM	1	0	21.02	21.02	21.07			
10	16QAM	1	25	21.20	21.25	21.30	22	1	
10	16QAM	1	49	21.20	21.25	21.30			
10	16QAM	1	74	21.04	21.09	21.14			
10	16QAM	25	12	19.83	19.87	20.01	21	1	
10	16QAM	25	25	19.81	19.92	20.10			
10	16QAM	50	0	19.83	19.91	19.98			
10	16QAM	1	0	19.92	20.01	20.04			
10	16QAM	1	25	20.12	20.09	20.20	21	2	
10	16QAM	1	49	20.08	20.14	20.23			
10	16QAM	25	0	19.84	19.91	19.92			
10	16QAM	25	12	18.88	18.95	19.08	20	3	
10	16QAM	25	25	18.86	18.96	19.05			
10	16QAM	50	0	18.84	18.96	19.05			
Channel									
Frequency (MHz)				20715	21100	21425	Turn-up limit (dBm)	MPR (dB)	
				2502.5	2535	2567.5			
5	QPSK	1	0	22.22	22.26	22.19			
5	QPSK	1	12	22.10	22.05	22.16			
5	QPSK	1	24	22.04	22.11	22.11	23	0	
5	QPSK	12	0	21.06	21.14	21.04			
5	QPSK	12	7	20.92	20.87	20.97			
5	QPSK	12	19	20.86	20.86	20.92	22	1	
5	QPSK	25	0	20.94	21.09	21.07			
5	16QAM	1	0	21.03	21.05	21.01			
5	16QAM	1	12	21.19	21.18	21.26	22	1	
5	16QAM	1	24	21.17	21.16	21.20			
5	16QAM	12	0	19.89	19.89	19.96			
5	16QAM	12	7	19.85	19.90	20.10	21	2	
5	16QAM	12	19	19.84	19.98	20.08			
5	16QAM	25	0	19.90	19.92	20.03			
5	16QAM	1	0	19.92	20.02	19.98			
5	16QAM	1	12	20.01	20.04	20.15	21	2	
5	16QAM	1	24	20.12	20.09	20.26			
5	16QAM	12	0	18.80	18.85	19.01			
5	16QAM	12	7	18.84	18.94	19.03	20	3	
5	16QAM	12	19	18.88	18.98	19.01			

Band 13_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limt (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0		23.58		24.8	0
10	QPSK	1	25		23.93			
10	QPSK	1	49		23.96			
10	QPSK	25	0		22.50		23.8	1
10	QPSK	25	12		22.45			
10	QPSK	25	25		22.41			
10	QPSK	50	0		22.43		23.8	1
10	16QAM	1	0		22.65			
10	16QAM	1	25		22.71			
10	16QAM	1	49		22.71		22.8	2
10	16QAM	25	0		21.45			
10	16QAM	25	12		21.43			
10	16QAM	25	25		21.38		22.8	2
10	16QAM	50	0		21.40			
10	16QAM	50	0		21.98			
10	64QAM	1	0		21.54		21.8	3
10	64QAM	1	25		21.58			
10	64QAM	1	49		21.58			
10	64QAM	25	0		20.38		21.8	3
10	64QAM	25	12		20.40			
10	64QAM	25	25		20.41			
10	64QAM	50	0		20.41			
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	23.86	23.89	23.96	24.8	0
5	QPSK	1	12	23.86	23.83	23.85		
5	QPSK	1	24	23.80	23.88	23.90		
5	QPSK	12	0	22.37	22.44	22.38	23.8	1
5	QPSK	12	7	22.39	22.32	22.37		
5	QPSK	12	13	22.34	22.39	22.37		
5	QPSK	25	0	22.37	22.40	22.28	23.8	1
5	16QAM	1	0	22.63	22.61	22.60		
5	16QAM	1	12	22.61	22.63	22.62		
5	16QAM	1	24	22.62	22.62	22.58	22.8	2
5	16QAM	12	0	21.34	21.29	21.25		
5	16QAM	12	7	21.39	21.34	21.30		
5	16QAM	12	13	21.31	21.29	21.33	22.8	2
5	16QAM	25	0	21.38	21.38	21.27		
5	64QAM	1	0	21.47	21.51	21.42		
5	64QAM	1	12	21.46	21.52	21.53	21.8	3
5	64QAM	1	24	21.51	21.47	21.49		
5	64QAM	12	0	20.30	20.33	20.27		
5	64QAM	12	7	20.30	20.27	20.29	21.8	3
5	64QAM	12	13	20.40	20.30	20.34		
5	64QAM	25	0	20.33	20.40	20.38		

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 limt (dBm)	MPR (dB)
Channel								
23230								
Frequency (MHz)								
10	QPSK	1	0		24.00		24.5	0
10	QPSK	1	25		23.95			
10	QPSK	1	49		23.96			
10	QPSK	25	0		22.51		23.5	1
10	QPSK	25	12		22.45			
10	QPSK	25	25		22.44			
10	QPSK	50	0		22.45		23.5	1
10	16QAM	1	0		22.70			
10	16QAM	1	25		22.69			
10	16QAM	1	49		22.71		22.5	2
10	16QAM	25	0		21.42			
10	16QAM	25	12		21.45			
10	16QAM	25	25		21.44		22.5	2
10	16QAM	50	0		21.45			
10	16QAM	50	0		21.81			
10	64QAM	1	0		21.59		21.5	3
10	64QAM	1	25		21.57			
10	64QAM	1	49		21.61			
10	64QAM	25	0		20.43		21.5	3
10	64QAM	25	12		20.43			
10	64QAM	25	25		20.43			
10	64QAM	50	0		20.45			
Channel								
23205 23230 23255								
Frequency (MHz)								
5	QPSK	1	0	23.95	23.88	23.92	24.5	0
5	QPSK	1	12	23.94	23.93	23.85		
5	QPSK	1	24	23.85	23.81	23.94		
5	QPSK	12	0	22.39	22.44	22.39	23.5	1
5	QPSK	12	7	22.38	22.42	22.42		
5	QPSK	12	13	22.39	22.40	22.43		
5	QPSK	25	0	22.32	22.38	22.41	23.5	1
5	16QAM	1	0	22.61	22.63	22.58		
5	16QAM	1	12	22.59	22.60	22.60		
5	16QAM	1	24	22.60	22.69	22.65	22.5	2
5	16QAM	12	0	21.37	21.29	21.38		
5	16QAM	12	7	21.44	21.33	21.42		
5	16QAM	12	13	21.38	21.29	21.31	22.5	2
5	16QAM	25	0	21.38	21.32	21.34		
5	64QAM	1	0	21.49	21.51	21.48		
5	64QAM	1	12	21.43	21.56	21.42	21.5	3
5	64QAM	1	24	21.48	21.60	21.60		
5	64QAM	12	0	20.31	20.41	20.39		
5	64QAM	12	7	20.32	20.36	20.38	21.5	3
5	64QAM	12	13	20.31	20.31	20.30		
5	64QAM	25	0	20.38	20.33	20.38		

Band 17_Ant 0

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 limt (dBm)	MPR (dB)
Channel								
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.84	23.84	23.68	24.8	0
10	QPSK	1	25	23.84	23.84	23.68		
10	QPSK	1	49	23.82	23.79	23.81		
10	QPSK	25	0	22.18	22.25	22.22	23.8	1
10	QPSK	25	12	22.16	22.15	22.17		
10	QPSK	25	25	22.17	22.19	22.21		
10	QPSK	50	0	22.18	22.23	22.18	23.8	1
10	16QAM	1	0	22.41	22.50	22.49		
10	16QAM	1	25	22.43	22.44	22.46		
10	16QAM	1	49	22.60	22.58	22.55	22.8	2
10	16QAM	25	0	21.17	21.17	21.16		
10	16QAM	25	12	21.13	21.13	21.16		
10	16QAM	25	25	21.15	21.18	21.19	22.8	2
10	16QAM	50	0	21.15	21.18	21.18		
10	64QAM	1	0	21.23	21.34	21.36		
10	64QAM	1	25	21.33	21.33	21.35	22.8	2
10	64QAM	1	49	21.42	21.43	21.47		
10	64QAM	25	0	20.16	20.15	20.14		
10	64QAM	25	12	20.10	20.11	20.14	21.8	3
10	64QAM	25	25	20.12	20.15	20.17		
10	64QAM	50	0	20.14	20.18	20.17		
Channel								
Channel				23755	23790	23825		
Frequency (MHz)				733.5	733.5	733.5		
5	QPSK	1	0	23.71	23.72	23.78	24.8	0
5	QPSK	1	12	23.67	23.54	23.63		
5	QPSK	1	24	23.67	23.68	23.73		
5	QPSK	12	0	22.05	22.12	22.10	23.8	1
5	QPSK	12	7	22.14	22.07	22.03		
5	QPSK	12	13	22.04	22.09	22.20		
5	QPSK	25	0	22.12	22.18	22.03	23.8	1
5	16QAM	1	0	22.37	22.47	22.45		
5	16QAM	1	12	22.39	22.41	22.44		
5	16QAM	1	24	22.36	22.43	22.45	22.8	2
5	16QAM	12	0	21.09	21.09	21.12		
5	16QAM	12	7	21.02	21.04	21.01		
5	16QAM	12	13	21.05	21.14	21.06	22.8	2
5	16QAM	25	0	21.00	21.09	21.05		
5	64QAM	1	0	21.17	21.26	21.28		
5	64QAM	1	12	21.19	21.26	21.25	21.8	3
5	64QAM	1	24	21.33	21.33	21.42		
5	64QAM	12	0	20.15	20.00	20.12		
5	64QAM	12	7	20.01	19.98	20.08	21.8	3
5	64QAM	12	13	20.01	20.11	20.04		
5	64QAM	25	0	20				

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up Int (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26165	26665	26965			
				831.5	831.5	841.5			
15	QPSK	1	0	23.87	23.88	23.83			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.82	22.82	22.80			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	15	0	22.78	22.80	22.77			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	15	0	21.80	21.83	21.78			
15	64QAM	1	0	21.99	21.94	22.00			
15	64QAM	1	37	22.03	21.98	22.01	22.8	2	
15	64QAM	1	74	21.95	21.89	21.85			
15	64QAM	36	0	20.85	20.83	20.78			
15	64QAM	36	20	20.87	20.85	20.78	21.8	3	
15	64QAM	36	39	20.83	20.83	20.75			
15	64QAM	15	0	20.74	20.65	20.60			
Channel									
Frequency (MHz)				819	831.5	844	Turn-up Int (dBm)	MPR (dB)	
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.76	24.8	0	
10	QPSK	1	48	23.76	23.73	23.69			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.65			
10	QPSK	50	0	22.66	22.71	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	48	22.93	22.95	22.91			
10	16QAM	25	0	21.74	21.80	21.68			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.68	21.73	21.67			
10	16QAM	50	0	21.73	21.77	21.68			
10	64QAM	1	0	21.84	21.87	21.84			
10	64QAM	1	25	21.98	21.83	21.84	22.8	2	
10	64QAM	1	48	21.82	21.85	21.81			
10	64QAM	25	0	20.70	20.73	20.67			
10	64QAM	25	12	20.78	20.82	20.63	21.8	3	
10	64QAM	25	25	20.67	20.70	20.66			
10	64QAM	50	0	20.81	20.68	20.65			
Channel									
Frequency (MHz)				26715	26865	27015	Turn-up Int (dBm)	MPR (dB)	
				816.5	831.5	846.5			
5	QPSK	1	0	23.84	23.79	23.80			
5	QPSK	1	12	23.83	23.72	23.75	24.8	0	
5	QPSK	1	24	23.76	23.68	23.56			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	7	22.76	22.68	22.68	23.8	1	
5	QPSK	12	13	22.72	22.70	22.63			
5	QPSK	25	0	22.67	22.81	22.73			
5	16QAM	1	0	23.08	22.94	22.93			
5	16QAM	1	12	22.99	22.90	22.81	23.8	1	
5	16QAM	1	24	22.96	22.93	22.91			
5	16QAM	12	0	21.82	21.77	21.62			
5	16QAM	12	7	21.76	21.81	21.72	22.8	2	
5	16QAM	12	13	21.62	21.70	21.61			
5	16QAM	25	0	21.73	21.69	21.76			
5	64QAM	1	0	21.91	21.90	21.91			
5	64QAM	1	12	21.89	21.86	21.82	22.8	2	
5	64QAM	1	24	21.87	21.74	21.78			
5	64QAM	12	0	20.76	20.76	20.64			
5	64QAM	12	7	20.75	20.80	20.64	21.8	3	
5	64QAM	12	13	20.73	20.73	20.61			
5	64QAM	25	0	20.81	20.82	20.69			
Channel									
Frequency (MHz)				26705	26865	27025	Turn-up Int (dBm)	MPR (dB)	
				815.5	831.5	847.5			
3	QPSK	1	0	23.71	23.74	23.76			
3	QPSK	1	5	23.74	23.75	23.77	24.8	0	
3	QPSK	1	14	23.75	23.69	23.57			
3	QPSK	8	0	22.72	22.81	22.76			
3	QPSK	8	4	22.76	22.73	22.63	23.8	1	
3	QPSK	8	7	22.74	22.70	22.70			
3	QPSK	15	0	22.67	22.78	22.65			
3	QPSK	15	0	22.67	22.69	22.67			
3	16QAM	1	0	23.07	22.90	22.96	23.8	1	
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.75	21.69			
3	16QAM	8	4	21.75	21.79	21.70	22.8	2	
3	16QAM	8	7	21.69	21.73	21.69			
3	16QAM	15	0	21.76	21.73	21.67			
3	64QAM	1	0	21.94	21.79	21.86			
3	64QAM	1	5	21.90	21.83	21.81	22.8	2	
3	64QAM	1	14	21.80	21.82	21.81			
3	64QAM	8	0	20.76	20.73	20.68			
3	64QAM	8	4	20.83	20.79	20.75	21.8	3	
3	64QAM	8	7	20.80	20.72	20.64			
3	64QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)				26697	26865	27033	Turn-up Int (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.86	23.80	23.65			
1.4	QPSK	1	3	23.82	23.79	23.65			
1.4	QPSK	1	5	23.86	23.80	23.71	24.8	0	
1.4	QPSK	3	0	23.84	23.77	23.79			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	3	23.84	23.76	23.70			
1.4	QPSK	6	0	22.83	22.77	22.68	23.8	1	
1.4	16QAM	1	0	23.06	23.06	22.94			
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1	
1.4	16QAM	3	0	22.80	22.79	22.69			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	3	22.84	22.74	22.70	22.8	2	
1.4	16QAM	6	0	21.89	21.85	21.78			
1.4	64QAM	1	0	21.97	21.96	21.95			
1.4	64QAM	1	3	21.96	21.91	21.85			
1.4	64QAM	1	5	22.01	21.99	21.91	22.8	2	
1.4	64QAM	3	0	21.86	21.86	21.79			
1.4	64QAM	3	1	21.93	21.87	21.79			
1.4	64QAM	3	3	21.92	21.86	21.79			
1.4	64QAM	6	0	20.79	20.74	20.67	21.8	3	

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Hst Ch / Freq	Power High Ch / Freq	Turn-up Int (dB)	MPR (dB)	
Channel									
Frequency (MHz)				26165	26665	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.50	23.35	23.87			
15	QPSK	1	37	23.89	23.88	23.77	24.6	0	
15	QPSK	1	74	23.85	23.79	23.78			
15	QPSK	36	0	22.80	22.80	22.80			
15	QPSK	36	20	22.88	22.84	22.80	23.6	1	
15	QPSK	36	39	22.81	22.84	22.76			
15	QPSK	15	0	22.80	22.85	22.77			
15	16QAM	1	0	23.15	23.04	23.11			
15	16QAM	1	37	23.13	23.11	23.01	23.6	1	
15	16QAM	1	74	23.08	23.03	23.02			
15	16QAM	36	0	21.86	21.85	21.77			
15	16QAM	36	20	21.91	21.84	21.81	22.6	2	
15	16QAM	36	39	21.82	21.85	21.76			
15	16QAM	15	0	21.87	21.87	21.80			
15	64QAM	1	0	22.05	21.94	22.03			
15	64QAM	1	37	22.06	22.02	21.91	22.6	2	
15	64QAM	1	74	21.98	21.92	21.87			
15	64QAM	36	0	20.86	20.87	20.78			
15	64QAM	36	20	20.92	20.87	20.82	21.6	3	
15	64QAM	36	39	20.85	20.86	20.78			
15	64QAM	15	0	20.87	20.85	20.78			
Channel									
Frequency (MHz)				26675	26865	26995	Turn-up Int (dB)	MPR (dB)	
				819	831.5	844			
10	QPSK	1	0	23.77	23.86	23.82			
10	QPSK	1	25	23.78	23.76	23.75	24.6	0	
10	QPSK	1	49	23.80	23.71	23.66			
10	QPSK	25	0	23.83	22.87	22.72			
10	QPSK	25	12	22.84	22.70	22.79	23.6	1	
10	QPSK	25	25	22.89	22.75	22.62			
10	QPSK	50	0	22.72	22.84	22.72			
10	16QAM	1	0	23.01	23.03	23.03			
10	16QAM	1	25	23.08	22.92	22.96	23.6	1	
10	16QAM	1	49	23.07	22.99	23.00			
10	16QAM	25	0	21.84	21.78	21.73			
10	16QAM	25	12	21.88	21.77	21.78	22.6	2	
10	16QAM	25	25	21.72	21.75	21.76			
10	16QAM	50	0	21.73	21.74	21.73			
10	64QAM	1	0	21.92	21.91	22.01			
10	64QAM	1	25	22.03	21.92	21.86	22.6	2	
10	64QAM	1	49	21.86	21.91	21.87			
10	64QAM	25	0	20.82	20.81	20.84			
10	64QAM	25	12	20.84	20.74	20.79	21.6	3	
10	64QAM	25	25	20.85	20.76	20.71			
10	64QAM	50	0	20.76	20.78	20.75			
Channel									
Frequency (MHz)				26715	26865	27015	Turn-up Int (dB)	MPR (dB)	
				816.5	831.5	846.5			
5	QPSK	1	0	23.63	23.65	23.74			
5	QPSK	1	10	23.62	23.64	23.83	24.6	0	
5	QPSK	1	24	23.75	23.76	23.67			
5	QPSK	12	0	22.75	22.86	22.72			
5	QPSK	12	7	22.73	22.73	22.67	23.6	1	
5	QPSK	12	14	22.80	22.75	22.63			
5	QPSK	15	0	22.79	22.83	22.65			
5	16QAM	1	0	23.07	22.94	23.02			
5	16QAM	1	12	23.03	22.90	22.97	23.6	1	
5	16QAM	1	24	22.97	22.92	22.84			
5	16QAM	12	0	21.77	21.83	21.61			
5	16QAM	12	7	21.76	21.78	21.71	22.6	2	
5	16QAM	12	14	21.80	21.72	21.68			
5	16QAM	25	0	21.74	21.73	21.68			
5	64QAM	1	0	21.91	21.84	21.99			
5	64QAM	1	12	21.95	21.87	21.90	22.6	2	
5	64QAM	1	24	21.93	21.91	21.87			
5	64QAM	12	7	20.73	20.81	20.77			
5	64QAM	12	14	20.87	20.78	20.81	21.6	3	
5	64QAM	12	19	20.76	20.76	20.71			
5	64QAM	25	0	20.72	20.74	20.68			
Channel									
Frequency (MHz)				815.5 <th>831.5</th> <th>847.5</th> <th>Turn-up Int (dB)</th> <th>MPR (dB)</th> <th></th>	831.5	847.5	Turn-up Int (dB)	MPR (dB)	
3	QPSK	1	0	23.81	23.84	23.86			
3	QPSK	1	8	23.77	23.75	23.75	24.6	0	
3	QPSK	1	24	23.82	23.84	23.84			
3	QPSK	8	0	22.74	22.83	22.80			
3	QPSK	8	4	22.85	22.79	22.72	23.6	1	
3	QPSK	8	12	22.68	22.71	22.65			
3	QPSK	15	0	22.70	22.70	22.71			
3	16QAM	1	0	23.09	23.02	22.96			
3	16QAM	1	8	23.07	23.00	22.92	23.6	1	
3	16QAM	1	24	23.01	22.95	22.91			
3	16QAM	8	0	21.73	21.72	21.71			
3	16QAM	8	4	21.87	21.73	21.74	22.6	2	
3	16QAM	8	7	21.75	21.78	21.69			
3	16QAM	15	0	21.81	21.81	21.82			
3	64QAM	1	0	21.96	21.79	21.94			
3	64QAM	1	8	22.01	22.00	21.99	22.6	2	
3	64QAM	1	24	21.96	21.96	21.89			
3	64QAM	8	0	20.78	20.79	20.75			
3	64QAM	8	4	20.91	20.72	20.80	21.6	3	
3	64QAM	8	7	20.84	20.77	20.70			
3	64QAM	15	0	20.72	20.71	20.70			
Channel									
Frequency (MHz)				814.7	831.5	846.3	Turn-up Int (dB)	MPR (dB)	
1.4	QPSK	1	0	23.83	23.88	23.75			
1.4	QPSK	1	3	23.83	23.79	23.70			
1.4	QPSK	1	24	23.86	23.86	23.75	24.6	0	
1.4	QPSK	3	0	23.90	23.77	23.72			
1.4	QPSK	3	1	23.90	23.78	23.73			
1.4	QPSK	6	0	23.92	23.78	23.73			
1.4	QPSK	6	0	22.87	22.77	22.72	23.6	1	
1.4	16QAM	1	0	23.07	23.07	23.09			
1.4	16QAM	1	3	23.06	23.03	22.95			
1.4	16QAM	1	24	23.11	23.09	22.96	23.6	1	
1.4	16QAM	3	0	22.91	22.76	22.74			
1.4	16QAM	3	1	22.83	22.77	22.72			
1.4	16QAM	3	1	22.87	22.78	22.70	22.6	2	
1.4	64QAM	1	0	21.93	21.81	21.90			
1.4	64QAM	1	3	22.00	21.97	21.84			
1.4	64QAM	1	24	21.93	21.93	21.88			
1.4	64QAM	3	0	21.96	21.96	21.85	22.6	2	
1.4	64QAM	3	1	21.98	21.87	21.82			
1.4	64QAM	3	3	21.87	21.87	21.82			

Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mask Ch / Freq	Power High Ch / Freq	Tune-up limt (dBm)	MPR (dB)	
Channel				130072	130322	130572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.55	22.98	22.50			
20	QPSK	1	49	22.86	22.87	22.80	23.2	0	
20	QPSK	1	98	22.72	22.72	22.74			
20	QPSK	50	0	21.91	21.95	21.91			
20	QPSK	50	24	21.82	21.88	21.90	22.2	1	
20	QPSK	50	50	21.81	21.80	21.86			
20	QPSK	100	0	21.50	21.92	21.87			
20	16QAM	1	0	22.19	22.18	22.10			
20	16QAM	1	49	22.13	22.15	22.17	22.2	1	
20	16QAM	1	98	22.00	21.99	22.01			
20	16QAM	50	0	20.93	20.88	20.90			
20	16QAM	50	24	20.89	20.90	20.89	21.2	2	
20	16QAM	50	50	20.81	20.81	20.85			
20	16QAM	100	0	20.69	20.84	20.89			
20	64QAM	1	0	21.07	21.08	21.03			
20	64QAM	1	49	21.05	21.04	21.04	21.2	2	
20	64QAM	1	98	20.89	20.89	20.94			
20	64QAM	50	0	19.84	19.90	19.82			
20	64QAM	50	24	19.92	19.89	19.90	20.2	3	
20	64QAM	50	50	19.85	19.81	19.85			
20	64QAM	100	0	19.91	19.85	19.85			
Channel				132047	132322	132597	Tune-up limt (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.89	22.87	22.84			
15	QPSK	1	37	22.75	22.79	22.89	23.2	0	
15	QPSK	1	14	22.71	22.87	22.85			
15	QPSK	36	0	21.88	21.91	21.80			
15	QPSK	36	20	21.85	21.82	21.85	22.2	1	
15	QPSK	36	39	21.87	21.69	21.83			
15	QPSK	75	0	21.79	21.87	21.82			
15	16QAM	1	0	22.11	22.07	22.02			
15	16QAM	1	37	22.06	22.08	22.15	22.2	1	
15	16QAM	1	14	21.97	21.90	21.93			
15	16QAM	36	0	20.85	20.73	20.78			
15	16QAM	36	20	20.82	20.75	20.75	21.2	2	
15	16QAM	36	39	20.77	20.69	20.76			
15	16QAM	75	0	20.81	20.80	20.82			
15	64QAM	1	0	20.82	20.93	20.91	21.2	2	
15	64QAM	1	37	21.00	20.95	20.96			
15	64QAM	1	14	20.80	20.82	20.91			
15	64QAM	36	0	19.84	19.85	19.87			
15	64QAM	36	20	19.79	19.76	19.88	20.2	3	
15	64QAM	36	39	19.76	19.75	19.74			
15	64QAM	75	0	19.84	19.76	19.75			
Channel				132022	132322	132622	Tune-up limt (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.83	22.88	22.84			
10	QPSK	1	24	22.78	22.84	22.86	23.2	0	
10	QPSK	1	49	22.67	22.61	22.73			
10	QPSK	25	0	21.88	21.92	21.89			
10	QPSK	25	12	21.81	21.73	21.80	22.2	1	
10	QPSK	25	25	21.77	21.74	21.81			
10	QPSK	50	0	21.75	21.81	21.88			
10	16QAM	1	0	22.04	22.16	21.95			
10	16QAM	1	25	21.88	22.01	22.12	22.2	1	
10	16QAM	1	49	21.89	21.96	21.96			
10	16QAM	25	0	20.92	20.87	20.75			
10	16QAM	25	12	20.88	20.87	20.78	21.2	2	
10	16QAM	25	25	20.69	20.75	20.85			
10	16QAM	50	0	20.81	20.71	20.73			
10	64QAM	1	0	21.03	21.03	20.89			
10	64QAM	1	25	20.90	20.96	20.92	21.2	2	
10	64QAM	1	49	20.88	20.82	20.89			
10	64QAM	25	0	19.93	19.82	19.88			
10	64QAM	25	12	19.81	19.83	19.85	20.2	3	
10	64QAM	25	25	19.83	19.80	19.75			
10	64QAM	50	0	19.78	19.81	19.84			
Channel				131987	132322	132647	Tune-up limt (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.85	22.88	22.89			
5	QPSK	1	12	22.73	22.85	22.84	23.2	0	
5	QPSK	1	24	22.61	22.61	22.62			
5	QPSK	12	0	21.85	21.87	21.84			
5	QPSK	12	7	21.81	21.85	21.80	22.2	1	
5	QPSK	12	13	21.71	21.71	21.72			
5	QPSK	25	0	21.75	21.85	21.77			
5	16QAM	1	0	22.06	22.16	21.95			
5	16QAM	1	12	22.09	22.05	22.11	22.2	1	
5	16QAM	1	24	21.87	21.90	21.96			
5	16QAM	12	0	20.85	20.77	20.77			
5	16QAM	12	7	20.85	20.75	20.75	21.2	2	
5	16QAM	12	13	20.72	20.68	20.77			
5	16QAM	25	0	20.76	20.78	20.73			
5	64QAM	1	0	20.98	20.93	20.89			
5	64QAM	1	12	20.91	21.00	20.98	21.2	2	
5	64QAM	1	24	20.82	20.84	20.88			
5	64QAM	12	0	19.85	19.75	19.82			
5	64QAM	12	7	19.85	19.84	19.80	20.2	3	
5	64QAM	12	13	19.82	19.80	19.75			
5	64QAM	25	0	19.90	19.73	19.75			
Channel				131987	132322	132647	Tune-up limt (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1771.5			
3	QPSK	1	0	22.84	22.93	22.90			
3	QPSK	1	8	22.72	22.74	22.79	23.2	0	
3	QPSK	1	14	22.57	22.62	22.70			
3	QPSK	8	0	21.87	21.82	21.89			
3	QPSK	8	4	21.86	21.84	21.78	22.2	1	
3	QPSK	8	7	21.71	21.76	21.80			
3	QPSK	15	0	21.77	21.62	21.75			
3	16QAM	1	0	22.05	22.05	22.06			
3	16QAM	1	8	22.11	22.09	22.05	22.2	1	
3	16QAM	1	14	21.97	21.86	21.86			
3	16QAM	8	0	20.92	20.74	20.90			
3	16QAM	8	4	20.76	20.89	20.77	21.2	2	
3	16QAM	8	7	20.71	20.70	20.72			
3	16QAM	15	0	20.85	20.71	20.85			
3	64QAM	1	0	21.04	20.95	21.02			
3	64QAM	1	8	21.01	20.96	20.99	21.2	2	
3	64QAM	1	14	20.82	20.76	20.82			
3	64QAM	8	0	19.84	19.86	19.78			
3	64QAM	8	4	19.87	19.87	19.85	20.2	3	
3	64QAM	8	7	19.78	19.66	19.83			
3	64QAM	15	0	19.77	19.70	19.87			
Channel				131919	132322	132593	Tune-up limt (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.91	22.84	22.78			
1.4	QPSK	1	3	22.88	22.82	22.76	23.2	0	
1.4	QPSK	1	6	22.91	22.80	22.80			
1.4	QPSK	3	0	22.89	22.79	22.80			
1.4	QPSK	3	1	22.80	22.79	22.81			
1.4	QPSK	3	3	22.89	22.79	22.81			
1.4	QPSK	6	0	21.89	21.79	21.79	22.2	1	
1.4	16QAM	1	0	22.13	22.09	22.03			
1.4	16QAM	1	3	22.12	22.08	22.03			
1.4	16QAM	1	6	22.09	22.09	22.02	22.2	1	
1.4	16QAM	3	0	21.86	21.79	21.79			
1.4	16QAM	3	1	21.88	21.80	21.80			
1.4	16QAM	3	3	21.85	21.77	21.79			
1.4	16QAM	6	0	20.93	20.86	20.98	21.2	2	
1.4	64QAM	1	0	21.04	21.00	20.98			
1.4	64QAM	1	3	20.99	20.98	20.93			
1.4	64QAM	1	6	21.02	20.99	20.98	21.2	2	
1.4	64QAM	3	0	21.01	20.91	20.90			
1.4	64QAM	3	1	20.97	20.88	20.90			
1.4	64QAM	3	3	20.94	20.90	20.90			
1.4	64QAM	6	0	19.85	19.77	19.78	20.2	3	

Band 38_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				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	21.69	21.72	21.68	22.3	0				
20	QPSK	1	49	21.55	21.68	21.68						
20	QPSK	1	99	21.68	21.69	21.55						
20	QPSK	50	0	21.67	21.70	21.65						
20	QPSK	50	24	21.56	21.66	21.61	22.3	0				
20	QPSK	50	50	21.57	21.63	21.57						
20	QPSK	100	0	21.66	21.67	21.58						
20	16QAM	1	0	21.54	21.51	21.53						
20	16QAM	1	49	21.64	21.69	21.51	22.3	0				
20	16QAM	1	99	21.59	21.62	21.58						
20	16QAM	50	0	21.61	21.66	21.60						
20	16QAM	50	24	21.64	21.68	21.60						
20	16QAM	50	50	21.56	21.61	21.58	22.3	0				
20	16QAM	100	0	21.63	21.61	21.53						
20	64QAM	1	0	21.48	21.43	21.44						
20	64QAM	1	49	21.56	21.52	21.53						
20	64QAM	1	99	21.55	21.52	21.56	22.3	0				
20	64QAM	50	0	20.74	20.71	20.74						
20	64QAM	50	24	20.78	20.77	20.77						
20	64QAM	50	50	20.79	20.76	20.77						
20	64QAM	100	0	20.77	20.73	20.76	21.3	1				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	21.59	21.61	21.58			22.3	0		
15	QPSK	1	37	21.50	21.61	21.59						
15	QPSK	1	74	21.63	21.66	21.47						
15	QPSK	36	0	21.53	21.63	21.52						
15	QPSK	36	20	21.47	21.63	21.52	22.3	0				
15	QPSK	36	39	21.52	21.60	21.52						
15	QPSK	15	0	21.62	21.58	21.57						
15	16QAM	1	0	21.50	21.56	21.50						
15	16QAM	1	37	21.57	21.61	21.50	22.3	0				
15	16QAM	1	74	21.46	21.61	21.54						
15	16QAM	36	0	21.51	21.52	21.46						
15	16QAM	36	20	21.45	21.52	21.52						
15	16QAM	36	39	21.53	21.54	21.49	22.3	0				
15	16QAM	75	0	21.51	21.58	21.38						
15	64QAM	1	0	21.33	21.35	21.39						
15	64QAM	1	37	21.50	21.42	21.43						
15	64QAM	1	74	21.50	21.51	21.45	22.3	0				
15	64QAM	36	0	20.71	20.55	20.63						
15	64QAM	36	20	20.64	20.72	20.85						
15	64QAM	36	39	20.73	20.61	20.73						
15	64QAM	75	0	20.72	20.59	20.66	21.3	1				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	21.63	21.58	21.62			22.3	0		
10	QPSK	1	25	21.47	21.65	21.54						
10	QPSK	1	49	21.56	21.57	21.48						
10	QPSK	25	0	21.65	21.56	21.58						
10	QPSK	25	12	21.48	21.54	21.59	22.3	0				
10	QPSK	25	25	21.49	21.57	21.45						
10	QPSK	50	0	21.59	21.61	21.56						
10	16QAM	1	0	21.47	21.56	21.52						
10	16QAM	1	25	21.50	21.56	21.38	22.3	0				
10	16QAM	1	49	21.44	21.59	21.55						
10	16QAM	25	0	21.57	21.57	21.52						
10	16QAM	25	12	21.53	21.66	21.43						
10	16QAM	25	25	21.53	21.61	21.43	22.3	0				
10	16QAM	50	0	21.48	21.53	21.51						
10	64QAM	1	0	21.35	21.31	21.32						
10	64QAM	1	25	21.44	21.21	21.43						
10	64QAM	1	49	21.52	21.39	21.53	21.3	1				
10	64QAM	25	0	20.60	20.57	20.61						
10	64QAM	25	12	20.75	20.73	20.75						
10	64QAM	25	25	20.68	20.75	20.68						
10	64QAM	50	0	20.76	20.65	20.76	21.3	1				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	21.64	21.68	21.64			22.3	0		
5	QPSK	1	12	21.54	21.64	21.59						
5	QPSK	1	24	21.55	21.63	21.44						
5	QPSK	12	0	21.60	21.66	21.62						
5	QPSK	12	6	21.50	21.52	21.57	22.3	0				
5	QPSK	12	13	21.44	21.54	21.49						
5	QPSK	25	0	21.54	21.58	21.43						
5	16QAM	1	0	21.44	21.50	21.51						
5	16QAM	1	12	21.62	21.67	21.48	22.3	0				
5	16QAM	1	24	21.57	21.61	21.52						
5	16QAM	12	0	21.56	21.69	21.53						
5	16QAM	12	7	21.56	21.59	21.50						
5	16QAM	12	13	21.41	21.57	21.53	21.3	0				
5	16QAM	25	0	21.55	21.48	21.44						
5	64QAM	1	0	21.42	21.36	21.41						
5	64QAM	1	12	21.47	21.44	21.41						
5	64QAM	1	24	21.53	21.50	21.43	21.3	1				
5	64QAM	12	0	20.67	20.65	20.67						
5	64QAM	12	7	20.72	20.70	20.74						
5	64QAM	12	13	20.74	20.69	20.71						
5	64QAM	25	0	20.71	20.69	20.71	21.3	1				

Band 38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-on (ms)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2680	2695	2610			
20	QPSK	1	0	18.40	19.46	18.42			
20	QPSK	1	49	18.25	19.31	18.26	19.6	0	
20	QPSK	1	99	18.25	19.30	19.29			
20	QPSK	50	0	19.30	19.45	19.30			
20	QPSK	50	24	19.33	19.32	19.33			
20	QPSK	50	50	19.31	19.43	19.28	19.6	0	
20	QPSK	100	0	19.33	19.42	19.30			
20	QPSK	100	24	19.32	19.32	19.32			
20	16QAM	1	49	19.29	19.42	19.31	19.6		
20	16QAM	1	99	19.33	19.36	19.39			
20	16QAM	50	0	19.25	19.40	19.28			
20	16QAM	50	24	19.25	19.36	19.32			
20	16QAM	50	50	19.38	19.32	19.29	19.6	0	
20	16QAM	100	0	19.33	19.44	19.36			
20	64QAM	1	0	19.39	19.45	19.31			
20	64QAM	1	49	19.31	19.34	19.28	19.6	0	
20	64QAM	1	99	19.39	19.39	19.30			
20	64QAM	50	0	19.38	19.30	19.45			
20	64QAM	50	24	19.37	19.32	19.40			
20	64QAM	50	50	19.31	19.34	19.36	19.6	0	
20	64QAM	100	0	19.32	19.32	19.30			
Channel				37825	38000	38175	Turn-on (ms)	MPR (dB)	
Frequency (MHz)				23775	23895	26125			
15	QPSK	1	0	19.28	19.37	19.28			
15	QPSK	1	37	19.17	19.21	19.21	19.6	0	
15	QPSK	1	74	19.19	19.33	19.22			
15	QPSK	36	0	19.28	19.40	19.30			
15	QPSK	36	20	19.26	19.17	19.21	19.6	0	
15	QPSK	36	39	19.16	19.33	19.27			
15	QPSK	36	50	19.24	19.31	19.21			
15	16QAM	1	0	19.14	19.29	19.36			
15	16QAM	1	37	19.25	19.33	19.17	19.6	0	
15	16QAM	1	74	19.30	19.24	19.31			
15	16QAM	36	0	19.16	19.33	19.13			
15	16QAM	36	20	19.26	19.20	19.28	19.6	0	
15	16QAM	36	39	19.24	19.24	19.18			
15	16QAM	75	0	19.23	19.41	19.24			
15	64QAM	1	0	19.38	19.36	19.21			
15	64QAM	1	37	19.21	19.27	19.18	19.6	0	
15	64QAM	36	0	19.28	19.29	19.20			
15	64QAM	36	50	19.37	19.40	19.16			
15	64QAM	36	20	19.26	19.27	19.33			
15	64QAM	36	39	19.20	19.31	19.35	19.6	0	
15	64QAM	75	0	19.28	19.28	19.21			
Channel				37850	38000	38200	Turn-on (ms)	MPR (dB)	
Frequency (MHz)				25175	25615	26175			
10	QPSK	1	0	19.20	19.31	19.41			
10	QPSK	1	25	19.11	19.26	19.26			
10	QPSK	1	49	19.21	19.37	19.26			
10	QPSK	25	0	19.37	19.32	19.21			
10	QPSK	25	12	19.32	19.24	19.24	19.6	0	
10	QPSK	50	0	19.29	19.39	19.33			
10	QPSK	50	0	19.20	19.34	19.19			
10	16QAM	1	0	19.15	19.26	19.30			
10	16QAM	1	25	19.19	19.29	19.26	19.6	0	
10	16QAM	1	49	19.21	19.23	19.28			
10	16QAM	25	12	19.24	19.27	19.29			
10	16QAM	25	12	19.24	19.27	19.29			
10	16QAM	50	0	19.31	19.34	19.29			
10	64QAM	1	0	19.35	19.40	19.21			
10	64QAM	1	25	19.28	19.30	19.17	19.6	0	
10	64QAM	1	49	19.30	19.26	19.16			
10	64QAM	25	0	19.38	19.42	19.25			
10	64QAM	25	12	19.32	19.24	19.26	19.6	0	
10	64QAM	25	12	19.32	19.24	19.26			
10	64QAM	50	0	19.17	19.33	19.28			
10	64QAM	50	0	19.28	19.16	19.27			
Channel				37775	38000	38225	Turn-on (ms)	MPR (dB)	
Frequency (MHz)				25275 <th>25665</th> <th>26175<th></th><th></th><th></th></th>	25665	26175 <th></th> <th></th> <th></th>			
5	QPSK	1	0	19.38	19.41	19.38			
5	QPSK	1	12	19.20	19.20	19.26	19.6	0	
5	QPSK	1	24	19.26	19.32	19.20			
5	QPSK	12	0	19.29	19.37	19.27			
5	QPSK	12	7	19.29	19.34	19.31	19.6	0	
5	QPSK	12	13	19.20	19.34	19.26			
5	QPSK	25	0	19.22	19.35	19.21			
5	16QAM	1	0	19.17	19.31	19.36			
5	16QAM	1	12	19.21	19.31	19.29	19.6	0	
5	16QAM	1	24	19.27	19.34	19.23			
5	16QAM	12	0	19.17	19.32	19.15			
5	16QAM	12	7	19.15	19.29	19.31			
5	16QAM	12	13	19.31	19.23	19.17	19.6	0	
5	16QAM	25	0	19.26	19.43	19.29			
5	64QAM	1	0	19.27	19.39	19.27			
5	64QAM	1	12	19.26	19.23	19.24			
5	64QAM	1	24	19.31	19.26	19.22			
5	64QAM	12	0	19.27	19.31	19.15			
5	64QAM	12	7	19.25	19.26	19.33	19.6	0	
5	64QAM	12	13	19.27	19.29	19.16			
5	64QAM	25	0	19.24	19.22	19.16			

Band 38_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up limit (dBm)	MFR (Ch / dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2560	2596	2610			
20	QPSK	1	0	22.78	22.88	22.88			
20	QPSK	1	49	22.78	22.88	22.88	23.1	0	
20	QPSK	1	99	22.75	22.87	22.85			
20	QPSK	50	0	21.77	21.80	21.75			
20	QPSK	50	24	21.71	21.74	21.75	22.1	1	
20	QPSK	50	50	21.74	21.78	21.70			
20	QPSK	100	0	21.71	21.77	21.75			
20	QPSK	100	50	21.65	21.68	21.70	22.1	1	
20	16QAM	1	49	21.84	21.87	21.83			
20	16QAM	1	99	21.81	21.83	21.88			
20	16QAM	50	0	20.73	20.78	20.86			
20	16QAM	50	24	20.79	20.83	20.81	21.1	2	
20	16QAM	50	50	20.86	20.90	20.82			
20	16QAM	100	0	20.79	20.81	20.87			
20	64QAM	1	0	20.42	20.45	20.55			
20	64QAM	1	49	20.58	20.61	20.68	21.1	2	
20	64QAM	1	99	20.60	20.62	20.69			
20	64QAM	50	0	19.72	19.77	19.84			
20	64QAM	50	24	19.78	19.83	19.89			
20	64QAM	50	50	19.81	19.85	19.89	20.1	3	
20	64QAM	100	0	19.78	19.81	19.86			
Channel				37625	38000	38175			
Frequency (MHz)				2377.5	2396	2412.5			
15	QPSK	1	0	22.60	22.67	22.65			
15	QPSK	1	37	22.67	22.67	22.74	23.1	0	
15	QPSK	1	74	22.63	22.71	22.71			
15	QPSK	36	0	21.72	21.77	21.65			
15	QPSK	36	20	21.60	21.68	21.67	22.1	1	
15	QPSK	36	39	21.70	21.64	21.67			
15	QPSK	1	0	21.60	21.61	21.60			
15	16QAM	1	0	21.52	21.62	21.64			
15	16QAM	1	37	21.78	21.81	21.78	22.1	1	
15	16QAM	1	74	21.75	21.82	21.73			
15	16QAM	36	0	20.59	20.75	20.71			
15	16QAM	36	20	20.72	20.75	20.80	21.1	2	
15	16QAM	36	39	20.77	20.72	20.89			
15	16QAM	75	0	20.72	20.69	20.85			
15	64QAM	1	0	20.29	20.40	20.52			
15	64QAM	1	37	20.46	20.59	20.54	21.1	2	
15	64QAM	1	74	20.57	20.69	20.66			
15	64QAM	36	0	19.83	19.71	19.70			
15	64QAM	36	20	19.76	19.75	19.74	20.1	3	
15	64QAM	36	39	19.71	19.70	19.78			
15	64QAM	75	0	19.67	19.75	19.78			
Channel				37600	38000	38200			
Frequency (MHz)				22.75	22.83	22.85			
10	QPSK	1	0	22.75	22.83 <td>22.85</td> <td></td> <td></td>	22.85			
10	QPSK	1	25	22.65	22.76	22.81	23.1	0	
10	QPSK	1	49	22.70	22.76	22.80			
10	QPSK	25	0	21.63	21.69	21.71			
10	QPSK	25	12	21.58	21.65	21.69	22.1	1	
10	QPSK	25	25	21.67	21.71	21.67			
10	QPSK	50	0	21.66	21.75	21.67			
10	16QAM	1	0	21.56	21.67	21.75			
10	16QAM	1	25	21.82	21.86	21.90	22.1	1	
10	16QAM	1	49	21.68	21.79	21.85			
10	16QAM	25	0	20.70	20.72	20.74			
10	16QAM	25	12	21.71	20.70	20.78			
10	16QAM	25	25	20.65	20.84	20.83	21.1	2	
10	16QAM	50	0	20.69	20.67	20.86			
10	64QAM	1	0	20.37	20.36	20.42			
10	64QAM	1	25	20.58	20.69	20.56	21.1	2	
10	64QAM	1	49	20.55	20.61	20.59			
10	64QAM	25	0	19.68	19.68	19.83			
10	64QAM	25	12	19.72	19.75	19.77	20.1	3	
10	64QAM	25	25	19.80	19.78	19.75			
10	64QAM	50	0	19.70	19.70	19.76			
Channel				37775	38000	38225			
Frequency (MHz)				2272.5	2296	2317.5			
5	QPSK	1	0	22.68	22.88	22.82			
5	QPSK	1	12	22.73	22.69	22.71	23.1	0	
5	QPSK	1	24	22.60	22.70	22.74			
5	QPSK	12	0	21.70	21.66	21.73			
5	QPSK	12	7	21.57	21.61	21.63	22.1	1	
5	QPSK	12	13	21.62	21.68	21.59			
5	QPSK	25	0	21.60	21.66	21.60			
5	16QAM	1	0	21.64	21.62	21.67			
5	16QAM	1	12	21.79	21.79	21.80	22.1	1	
5	16QAM	1	24	21.68	21.71	21.83			
5	16QAM	12	0	20.72	20.74	20.77			
5	16QAM	12	7	20.67	20.69	20.82			
5	16QAM	12	13	20.79	20.72	20.87	21.1	2	
5	16QAM	25	0	20.73	20.66	20.79			
5	16QAM	25	12	20.41	20.43	20.45	21.1	2	
5	64QAM	1	12	20.33	20.54	20.54			
5	64QAM	1	24	20.56	20.47	20.57			
5	64QAM	12	0	19.68	19.69	19.75			
5	64QAM	12	7	19.76	19.75	19.80	20.1	3	
5	64QAM	12	13	19.79	19.72	19.83			
5	64QAM	25	0	19.75	19.75	19.82			

Band 41_Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Middle Ch. / Freq.	Power High High Middle Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40160	40620	41080	41480		
				2504	2545.6	2593	2635.6	2685		
20	QPSK	1	0	22.32	22.38	22.30	22.33	22.30		
20	QPSK	1	49	22.37	22.35	22.19	22.14	22.28	22.8	0
20	QPSK	1	99	22.43	22.32	22.20	22.23	22.21		
20	QPSK	50	0	22.50	22.31	22.29	22.25	22.34		
20	QPSK	50	24	22.43	22.23	22.22	22.24	22.24	22.8	0
20	QPSK	50	50	22.46	22.30	22.28	22.16	22.32		
20	QPSK	100	0	22.47	22.33	22.18	22.27	22.24		
20	16QAM	1	0	22.43	22.35	22.23	22.24	22.26		
20	16QAM	1	49	22.48	22.33	22.22	22.22	22.27	22.8	0
20	16QAM	1	99	22.47	22.31	22.19	22.14	22.27		
20	16QAM	50	0	22.62	21.85	21.83	21.83	21.84		
20	16QAM	50	24	22.12	21.85	21.92	21.84	21.90		
20	16QAM	50	50	22.11	21.89	21.90	21.91	21.89	22.8	0
20	16QAM	100	0	22.09	21.86	21.89	21.89	21.84		
20	64QAM	1	0	21.73	21.52	21.55	21.53	21.63		
20	64QAM	1	49	21.85	21.65	21.63	21.74	21.71	22.8	0
20	64QAM	1	99	21.83	21.59	21.59	21.57	21.63		
20	64QAM	50	0	21.04	20.83	20.94	20.82	20.86		
20	64QAM	50	24	21.11	20.84	20.81	20.84	20.83		
20	64QAM	50	50	21.12	20.86	20.86	20.86	20.88	21.8	1
20	64QAM	100	0	21.09	20.85	20.92	20.89	20.96		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515		
				2503.5	2544.3	2593	2635.3	2685.5		
15	QPSK	1	0	22.42	22.23	22.25	22.19	22.22		
15	QPSK	1	37	22.22	22.23	22.14	22.11	22.15	22.8	0
15	QPSK	1	74	22.40	22.19	22.05	22.09	22.17		
15	QPSK	36	0	22.37	22.22	22.17	22.12	22.22		
15	QPSK	36	20	22.36	22.22	22.09	22.09	22.22	22.8	0
15	QPSK	36	39	22.41	22.20	22.14	22.05	22.25		
15	QPSK	75	0	22.32	22.32	22.15	22.18	22.22		
15	16QAM	1	0	22.41	22.28	22.11	22.10	22.11		
15	16QAM	1	37	22.39	22.22	22.14	22.15	22.12	22.8	0
15	16QAM	1	74	22.35	22.23	22.09	22.04	22.13		
15	16QAM	36	0	21.91	21.71	21.77	21.76	21.78		
15	16QAM	36	20	21.92	21.79	21.86	21.70	21.86	22.8	0
15	16QAM	36	39	21.97	21.87	21.78	21.88	21.83		
15	16QAM	75	0	22.06	21.77	21.74	21.88	21.82		
15	64QAM	1	0	21.69	21.47	21.44	21.50	21.57		
15	64QAM	1	37	21.78	21.50	21.54	21.70	21.67	22.8	0
15	64QAM	1	74	21.72	21.47	21.59	21.45	21.50		
15	64QAM	36	0	20.99	20.78	20.94	20.71	20.95		
15	64QAM	36	20	21.00	20.80	20.66	20.82	20.68		
15	64QAM	36	39	21.06	20.76	20.80	20.84	20.77	21.8	1
15	64QAM	75	0	20.94	20.74	20.87	20.78	20.95		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540		
				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.39	22.25	22.25	22.26	22.33		
10	QPSK	1	25	22.27	22.22	22.16	22.06	22.14	22.8	0
10	QPSK	1	49	22.29	22.17	22.16	22.12	22.10		
10	QPSK	25	0	22.49	22.17	22.21	22.19	22.25		
10	QPSK	25	12	22.39	22.09	22.15	22.14	22.15	22.8	0
10	QPSK	25	25	22.37	22.26	22.18	22.11	22.31		
10	QPSK	50	0	22.40	22.28	22.05	22.23	22.21		
10	16QAM	1	0	22.30	22.20	22.16	22.14	22.15		
10	16QAM	1	25	22.47	22.21	22.10	22.05	22.13	22.8	0
10	16QAM	1	49	22.35	22.20	22.05	22.03	22.17		
10	16QAM	25	0	22.03	21.73	21.72	21.75	21.73		
10	16QAM	25	12	22.01	21.61	21.86	21.80	21.75	22.8	0
10	16QAM	25	25	21.96	21.84	21.85	21.90	21.83		
10	16QAM	50	0	22.06	21.77	21.82	21.75	21.75		
10	64QAM	1	0	21.64	21.46	21.53	21.49	21.60		
10	64QAM	1	25	21.75	21.60	21.53	21.73	21.62	22.8	0
10	64QAM	1	49	21.74	21.55	21.44	21.47	21.54		
10	64QAM	25	0	20.90	20.71	20.86	20.75	20.80		
10	64QAM	25	12	21.02	20.82	20.77	20.79	20.71	21.8	1
10	64QAM	25	25	20.99	20.79	20.78	20.72	20.76		
10	64QAM	50	0	20.97	20.79	20.90	20.76	20.91		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41565		
				2498.5	2545.6	2593	2640.30	2687.5		
5	QPSK	1	0	22.37	22.26	22.17	22.19	22.29		
5	QPSK	1	12	22.27	22.22	22.11	22.07	22.15	22.8	0
5	QPSK	1	24	22.35	22.26	22.18	22.15	22.06		
5	QPSK	12	0	22.42	22.28	22.21	22.23	22.24		
5	QPSK	12	7	22.29	22.16	22.17	22.10	22.14	22.8	0
5	QPSK	12	13	22.41	22.29	22.24	22.09	22.27		
5	QPSK	25	0	22.37	22.25	22.07	22.14	22.20		
5	16QAM	1	0	22.34	22.28	22.13	22.09	22.18	22.8	0
5	16QAM	1	12	22.38	22.20	22.13	22.20	22.17		
5	16QAM	1	24	22.44	22.30	22.15	22.10	22.26		
5	16QAM	12	0	21.95	21.73	21.78	21.78	21.74	22.8	0
5	16QAM	12	7	22.10	21.83	21.78	21.84	21.82		
5	16QAM	12	13	21.99	21.81	21.82	21.78	21.85		
5	16QAM	25	0	22.03	21.81	21.85	21.78	21.70		
5	64QAM	1	0	21.67	21.38	21.45	21.41	21.48		
5	64QAM	1	12	21.78	21.62	21.61	21.67	21.59	22.8	0
5	64QAM	1	24	21.76	21.51	21.53	21.46	21.58		
5	64QAM	12	0	20.95	20.76	20.87	20.76	20.80		
5	64QAM	12	7	20.97	20.69	20.70	20.73	20.75		
5	64QAM	12	13	21.06	20.83	20.73	20.72	20.82	21.8	1
5	64QAM	25	0	21.07	20.73	20.91	20.79	20.83		

Band 41_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40165	40620	41055	41490		
				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.77	19.99	19.72	19.65	19.98		
20	QPSK	1	49	19.72	19.59	19.63	19.61	19.64	19.8	0
20	QPSK	1	99	19.67	19.63	19.67	19.57	19.54		
20	QPSK	50	0	19.75	19.66	19.68	19.63	19.66		
20	QPSK	50	24	19.65	19.63	19.66	19.57	19.60	19.8	0
20	QPSK	50	50	19.72	19.85	19.86	19.59	19.57		
20	QPSK	100	0	19.73	19.57	19.63	19.60	19.58		
20	16QAM	1	0	19.64	19.59	19.65	19.62	19.59		
20	16QAM	1	49	19.62	19.64	19.71	19.52	19.56	19.8	0
20	16QAM	1	99	19.71	19.64	19.67	19.52	19.54		
20	16QAM	50	0	19.75	19.60	19.68	19.56	19.62		
20	16QAM	50	24	19.71	19.59	19.69	19.57	19.56	19.8	0
20	16QAM	50	50	19.70	19.55	19.71	19.58	19.65		
20	16QAM	100	0	19.62	19.54	19.63	19.58	19.63		
20	64QAM	1	0	19.65	19.59	19.57	19.61	19.66		
20	64QAM	1	49	19.68	19.65	19.62	19.63	19.59	19.8	0
20	64QAM	1	99	19.73	19.67	19.67	19.59	19.62		
20	64QAM	50	0	19.63	19.55	19.62	19.55	19.64		
20	64QAM	50	24	19.74	19.62	19.68	19.52	19.66	19.8	0
20	64QAM	50	50	19.64	19.58	19.66	19.58	19.55		
20	64QAM	100	0	19.75	19.68	19.60	19.64	19.59		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
				2503.5	2544.3	2593	2637.3	2685.5		
15	QPSK	1	0	19.72	19.58	19.59	19.56	19.66		
15	QPSK	1	37	19.68	19.47	19.51	19.50	19.55	19.8	0
15	QPSK	1	74	19.66	19.59	19.60	19.50	19.53		
15	QPSK	36	0	19.65	19.58	19.64	19.62	19.63		
15	QPSK	36	20	19.58	19.60	19.53	19.49	19.45	19.8	0
15	QPSK	36	39	19.58	19.60	19.50	19.45	19.47		
15	QPSK	75	0	19.58	19.52	19.56	19.47	19.53		
15	16QAM	1	0	19.60	19.45	19.54	19.56	19.57		
15	16QAM	1	37	19.60	19.63	19.64	19.46	19.53	19.8	0
15	16QAM	1	74	19.57	19.49	19.59	19.45	19.50		
15	16QAM	36	0	19.58	19.46	19.47	19.46	19.47		
15	16QAM	36	20	19.66	19.44	19.54	19.54	19.47	19.8	0
15	16QAM	36	39	19.58	19.42	19.63	19.44	19.61		
15	16QAM	75	0	19.55	19.50	19.50	19.43	19.61		
15	64QAM	1	0	19.62	19.51	19.55	19.52	19.52		
15	64QAM	1	37	19.60	19.52	19.56	19.45	19.51	19.8	0
15	64QAM	1	74	19.67	19.52	19.57	19.54	19.50		
15	64QAM	36	0	19.62	19.46	19.53	19.49	19.62		
15	64QAM	36	20	19.65	19.59	19.57	19.45	19.53	19.8	0
15	64QAM	36	39	19.50	19.44	19.59	19.44	19.52		
15	64QAM	75	0	19.61	19.67	19.67	19.47	19.52		
Channel										
Frequency (MHz)				39703	40160	40620	41050	41540	Tune-up limit (dBm)	MPR (dB)
				2500	2547	2593	2639	2685		
10	QPSK	1	0	19.76	19.55	19.66	19.54	19.61		
10	QPSK	1	25	19.65	19.44	19.50	19.56	19.49	19.8	0
10	QPSK	1	49	19.54	19.58	19.59	19.47	19.41		
10	QPSK	25	0	19.73	19.62	19.62	19.57	19.63		
10	QPSK	25	12	19.63	19.52	19.52	19.44	19.51	19.8	0
10	QPSK	25	25	19.71	19.64	19.62	19.45	19.42		
10	QPSK	50	0	19.68	19.43	19.60	19.56	19.49		
10	16QAM	1	0	19.52	19.56	19.52	19.48	19.50		
10	16QAM	1	25	19.47	19.62	19.67	19.48	19.54	19.8	0
10	16QAM	25	0	19.62	19.61	19.56	19.56	19.49		
10	16QAM	25	0	19.68	19.55	19.64	19.48	19.59		
10	16QAM	25	12	19.68	19.51	19.67	19.53	19.49	19.8	0
10	16QAM	25	25	19.56	19.43	19.67	19.55	19.54		
10	16QAM	50	0	19.54	19.53	19.56	19.50	19.58		
10	64QAM	1	0	19.57	19.56	19.56	19.50	19.63		
10	64QAM	1	25	19.52	19.67	19.60	19.55	19.51	19.8	0
10	64QAM	1	49	19.59	19.52	19.57	19.50	19.49		
10	64QAM	25	0	19.57	19.50	19.57	19.46	19.54		
10	64QAM	25	12	19.72	19.57	19.64	19.50	19.61	19.8	0
10	64QAM	25	25	19.62	19.54	19.56	19.46	19.52		
10	64QAM	50	0	19.61	19.65	19.56	19.51	19.49		
Channel										
Frequency (MHz)				39675	40148	40620	41093	41566	Tune-up limit (dBm)	MPR (dB)
				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.65	19.62	19.69	19.51	19.60		
5	QPSK	1	12	19.64	19.47	19.54	19.56	19.57	19.8	0
5	QPSK	1	24	19.61	19.58	19.66	19.54	19.48		
5	QPSK	12	7	19.62	19.59	19.59	19.52	19.54		
5	QPSK	12	13	19.64	19.55	19.60	19.55	19.57		
5	QPSK	12	13	19.65	19.51	19.62	19.57	19.47		
5	QPSK	25	0	19.59	19.46	19.55	19.45	19.47		
5	16QAM	1	0	19.57	19.49	19.53	19.43	19.48		
5	16QAM	1	12	19.57	19.62	19.64	19.43	19.43	19.8	0
5	16QAM	1	24	19.59	19.49	19.60	19.48	19.51		
5	16QAM	12	0	19.64	19.46	19.67	19.37	19.47		
5	16QAM	12	7	19.59	19.47	19.55	19.53	19.45	19.8	0
5	16QAM	12	13	19.62	19.50	19.69	19.43	19.52		
5	16QAM	25	0	19.57	19.42	19.56	19.50	19.54		
5	64QAM	1	0	19.54	19.27	19.45	19.60	19.60		
5	64QAM	1	12	19.61	19.61	19.56	19.50	19.51	19.8	0
5	64QAM	1	24	19.65	19.57	19.63	19.46	19.48		
5	64QAM	12	0	19.56	19.44	19.64	19.48	19.57		
5	64QAM	12	7	19.59	19.59	19.57	19.52	19.59		
5	64QAM	12	13	19.62	19.47	19.63	19.54	19.52	19.8	0
5	64QAM	25	0	19.67	19.53	19.45	19.55	19.54		

Reduced Power Mode for EC110

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	128	189	251	Limit	128	189	251	Limit (dBm)
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	
GSM 1 Tx slot	32.10	31.95	32.20	33.90	23.10	22.95	23.20	24.50
GPRS 1 Tx slot	32.05	31.90	32.17	33.50	23.05	22.90	23.17	24.50
GPRS 2 Tx slots	30.10	30.10	30.20	31.00	24.10	24.10	24.20	25.00
GPRS 3 Tx slots	28.12	28.06	28.19	29.00	23.86	23.80	23.93	24.74
GPRS 4 Tx slots	27.15	27.08	27.22	28.00	24.15	24.08	24.22	25.00
EDGE 1 Tx slot	26.17	26.10	26.23	28.90	17.17	17.10	17.23	19.50
EDGE 2 Tx slots	25.13	25.05	25.20	27.00	18.13	18.05	18.20	21.00
EDGE 3 Tx slots	23.11	23.00	23.15	25.00	18.85	18.74	18.89	20.74
EDGE 4 Tx slots	22.10	22.00	22.18	23.50	19.10	19.00	19.18	20.50

GSM1900_Ant 4	Burst Average Power (dBm)			Tune-up Limit	Frame-Average Power (dBm)			Tune-up Limit
TX Channel	512	661	810	512	661	810	512	
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8	1850.2	
GSM 1 Tx slot	29.75	29.77	29.72	30.50	20.75	20.77	20.72	21.50
GPRS 1 Tx slots	28.69	28.70	28.68	30.50	20.69	20.70	20.68	21.50
GPRS 2 Tx slots	27.79	27.80	27.72	28.00	21.79	21.80	21.72	22.00
GPRS 3 Tx slots	25.68	25.70	25.60	26.50	21.42	21.44	21.34	22.24
GPRS 4 Tx slots	24.70	24.80	24.70	25.00	21.70	21.80	21.70	22.00
EDGE 1 Tx slot	25.62	25.75	25.63	28.00	16.62	16.75	16.63	19.00
EDGE 2 Tx slots	24.62	24.68	24.54	26.50	16.62	16.68	16.54	20.50
EDGE 3 Tx slots	22.68	22.77	22.67	24.00	18.42	18.51	18.41	19.74
EDGE 4 Tx slots	20.71	20.80	20.77	22.50	17.71	17.80	17.77	19.50

Band		WCDMA 8_Ant 4			Tune-up Limit (dBm)	WCDMA 8_Ant 3			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		9262	9400	9538	
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1824.4	1840	1857.6		1824.4	1840	1857.6	
3GPP Rel 99	AMR 12.2Kbps	24.64	24.71	24.76	25.00	16.20	16.25	16.21	16.40
3GPP Rel 99	RMC 12.2Kbps	24.74	24.80	24.77	25.00	16.23	16.28	16.25	16.40
3GPP Rel 6	HSDPA Subtest-1	23.70	23.81	23.57	24.00	16.09	16.15	16.18	16.40
3GPP Rel 6	HSDPA Subtest-2	23.70	23.78	23.59	24.00	16.12	16.14	16.14	16.40
3GPP Rel 6	HSDPA Subtest-3	23.25	23.31	23.14	23.50	16.22	16.22	16.24	16.40
3GPP Rel 6	HSDPA Subtest-4	23.19	23.29	23.08	23.50	16.20	16.13	16.10	16.40
3GPP Rel 6	DC-HSDPA Subtest-1	23.67	23.69	23.45	24.00	16.09	16.14	16.15	16.40
3GPP Rel 6	DC-HSDPA Subtest-2	23.65	23.69	23.48	24.00	16.09	16.19	16.19	16.40
3GPP Rel 6	DC-HSDPA Subtest-3	23.10	23.24	23.05	23.50	16.22	16.16	16.16	16.40
3GPP Rel 6	DC-HSDPA Subtest-4	23.06	23.21	22.93	23.50	16.11	16.22	16.14	16.40
3GPP Rel 6	HSUPA Subtest-1	21.75	21.85	21.81	22.50	16.11	16.16	16.18	16.40
3GPP Rel 6	HSUPA Subtest-2	21.74	21.83	21.58	22.00	16.12	16.21	16.12	16.40
3GPP Rel 6	HSUPA Subtest-3	22.78	22.85	22.40	23.00	16.15	16.15	16.17	16.40
3GPP Rel 6	HSUPA Subtest-4	21.23	21.34	21.14	21.00	16.11	16.19	16.12	16.40
3GPP Rel 6	HSUPA Subtest-5	22.80	22.80	22.80	24.00	16.22	16.27	16.14	16.40
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.70	21.80	21.80	22.50	16.11	16.14	16.10	16.40

Band		WCDMA V_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 1			Tune-up Limit (dBm)
TX Channel		4132	4182	4233		4132	4182	4233	
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	24.15	24.12	24.03	25.00	22.09	22.21	22.03	23.00
3GPP Rel 99	RMC 12.2Kbps	24.20	24.22	24.17	25.00	22.18	22.22	22.16	23.00
3GPP Rel 6	HSDPA Subtest-1	23.30	23.21	23.18	24.00	22.14	22.21	22.04	23.00
3GPP Rel 6	HSDPA Subtest-2	23.25	23.20	23.17	24.00	22.09	22.16	22.06	23.00
3GPP Rel 6	HSDPA Subtest-3	22.76	22.76	22.66	23.50	22.10	22.15	22.09	23.00
3GPP Rel 6	HSDPA Subtest-4	22.77	22.70	22.68	23.50	22.10	22.20	22.06	23.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.24	23.09	23.12	24.00	22.17	22.18	22.13	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.24	23.07	23.06	24.00	22.12	22.14	22.11	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.64	22.73	22.53	23.50	22.11	22.07	22.09	23.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.74	22.68	22.54	23.50	22.14	22.20	22.11	23.00
3GPP Rel 6	HSUPA Subtest-1	21.30	21.23	21.19	22.00	21.05	21.05	20.98	22.50
3GPP Rel 6	HSUPA Subtest-2	21.26	21.21	21.15	22.00	20.90	20.97	20.95	21.00
3GPP Rel 6	HSUPA Subtest-3	22.29	22.25	22.16	23.00	21.91	21.95	21.97	22.00
3GPP Rel 6	HSUPA Subtest-4	20.80	20.74	20.74	21.50	20.63	20.48	20.57	21.50
3GPP Rel 6	HSUPA Subtest-5	22.30	22.20	22.20	24.00	22.10	22.00	22.00	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.20	21.30	21.30	22.50	21.10	21.05	21.02	22.50

GSM1800_Ant 3	Burst Average Power (dBm)				Tune-up Limit (dBm)	Frame-Average Power (dBm)				Tune-up Limit (dBm)
	TX Channel	512	681	810		512	681	810		
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8		
GSM 1 Tx slot		26.15	26.19	26.22	26.90	17.15	17.19	17.22	17.90	
GPRS 1 Tx slot		26.05	26.15	26.24	26.90	17.05	17.15	17.24	17.90	
GPRS 2 Tx slots		23.10	23.15	23.17	24.40	17.10	17.15	17.17	18.40	
GPRS 3 Tx slots		21.26	21.18	21.26	22.90	17.00	16.92	17.02	18.94	
GPRS 4 Tx slots		20.05	20.01	20.17	21.40	17.05	17.01	17.17	18.40	
EDGE 1 Tx slot		25.42	25.49	25.42	27.40	16.42	16.49	16.42	18.40	
EDGE 2 Tx slots		22.98	22.93	23.03	23.90	16.98	16.93	17.03	17.90	
EDGE 3 Tx slots		21.00	21.03	21.06	22.40	16.74	16.77	16.80	18.14	
EDGE 4 Tx slots		19.27	19.18	19.32	20.90	16.27	16.18	16.32	17.90	

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)		1812.4	1824.4	1836.6		1812.4	1824.4	1836.6	
3GPP Rel 99	AMR 12.2Kbps	24.25	24.37	24.31	25.00	16.58	16.54	16.47	17.50
3GPP Rel 99	RMC 12.2Kbps	24.34	24.42	24.38	25.00	16.60	16.68	16.62	17.50
3GPP Rel 6	HSDPA Subtest-1	23.42	23.43	23.39	24.00	16.50	16.59	16.61	17.00
3GPP Rel 6	HSDPA Subtest-2	23.40	23.44	23.38	24.00	16.49	16.51	16.55	17.00
3GPP Rel 6	HSDPA Subtest-3	22.96	23.01	22.94	23.50	16.59	16.63	16.60	17.00
3GPP Rel 6	HSDPA Subtest-4	22.90	22.95	22.90	23.50	16.48	16.56	16.51	17.00
3GPP Rel 6	DC-HSDPA Subtest-1	23.37	23.34	23.29	24.00	16.48	16.51	16.56	17.00
3GPP Rel 6	DC-HSDPA Subtest-2	23.27	23.33	23.24	24.00	16.53	16.57	16.49	17.00
3GPP Rel 6	DC-HSDPA Subtest-3	22.88	22.86	22.87	23.50	16.59	16.54	16.61	17.00
3GPP Rel 6	DC-HSDPA Subtest-4	22.77	22.98	22.96	23.50	16.48	16.57	16.56	17.00
3GPP Rel 6	HSUPA Subtest-1	21.45	21.43	21.43	22.50	16.55	16.51	16.53	17.00
3GPP Rel 6	HSUPA Subtest-2	21.51	21.51	21.40	22.00	16.50	16.58	16.48	17.00
3GPP Rel 6	HSUPA Subtest-3	22.47	22.48	22.42	23.00	16.59	16.63	16.47	17.00
3GPP Rel 6	HSUPA Subtest-4	20.97	21.00	20.96	21.50	16.54	16.58	16.58	17.00
3GPP Rel 6	HSUPA Subtest-5	22.40	22.50	22.40	24.00	16.51	16.58	16.53	17.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.40	21.46	21.50	22.50	16.49	16.53	16.54	17.00

Band 2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch./F./Freq	Power Ch./F./Freq	Power Ch./F./Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.95	24.00	23.98			
20	QPSK	1	49	23.88	23.97	23.85	24.3	0	
20	QPSK	1	99	23.62	23.73	23.80			
20	QPSK	50	0	23.45	23.38	23.40			
20	QPSK	50	24	23.34	23.40	23.23	23.8	0.5	
20	QPSK	50	50	23.32	23.34	23.20			
20	QPSK	100	0	23.34	23.41	23.31			
20	16QAM	1	0	23.55	23.65	23.50			
20	16QAM	1	49	23.55	23.62	23.48	23.8	0.5	
20	16QAM	1	99	23.55	23.51	23.56			
20	16QAM	50	0	22.34	22.45	22.33			
20	16QAM	50	24	22.31	22.40	22.23	23.3	1	
20	16QAM	50	50	22.31	22.34	22.18			
20	16QAM	100	0	22.31	22.39	22.22			
20	64QAM	1	0	22.42	22.50	22.41			
20	64QAM	1	49	22.47	22.57	22.36	23.3	1	
20	64QAM	1	99	22.45	22.34	22.39			
20	64QAM	50	0	21.35	21.42	21.37			
20	64QAM	50	24	21.37	21.44	21.28	22.3	2	
20	64QAM	50	50	21.33	21.39	21.20			
20	64QAM	100	0	21.25	21.41	21.25			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.86	23.88	23.81			
15	QPSK	1	37	23.78	23.94	23.79	24.3	0	
15	QPSK	1	74	23.71	23.87	23.77			
15	QPSK	36	0	23.25	23.38	23.28			
15	QPSK	36	20	23.22	23.25	23.10	23.8	0.5	
15	QPSK	36	39	23.20	23.27	23.19			
15	QPSK	75	0	23.31	23.30	23.28			
15	16QAM	1	0	23.46	23.51	23.42			
15	16QAM	1	37	23.47	23.50	23.39	23.8	0.5	
15	16QAM	1	74	23.42	23.54	23.41			
15	16QAM	36	0	22.29	22.38	22.32			
15	16QAM	36	20	22.18	22.29	22.11	23.3	1	
15	16QAM	36	39	22.23	22.27	22.05			
15	16QAM	75	0	22.18	22.18	22.11			
15	64QAM	1	0	22.41	22.46	22.27			
15	64QAM	1	37	22.33	22.45	22.27	23.3	1	
15	64QAM	1	74	22.42	22.51	22.31			
15	64QAM	36	0	21.21	21.31	21.26			
15	64QAM	36	20	21.28	21.30	21.22	22.3	2	
15	64QAM	36	39	21.21	21.30	21.22			
15	64QAM	75	0	21.30	21.28	21.14			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.81	23.84	23.76			
10	QPSK	1	24	23.87	23.91	23.78	24.3	0	
10	QPSK	1	49	23.71	23.63	23.66			
10	QPSK	25	0	23.20	23.38	23.28			
10	QPSK	25	12	23.30	23.36	23.18	23.8	0.5	
10	QPSK	25	24	23.21	23.27	23.07			
10	QPSK	50	0	23.33	23.33	23.18			
10	16QAM	1	0	23.47	23.61	23.36			
10	16QAM	1	24	23.47	23.51	23.38	23.8	0.5	
10	16QAM	1	49	23.45	23.40	23.51			
10	16QAM	25	0	22.29	22.27	22.23			
10	16QAM	25	12	22.23	22.30	22.13	23.3	1	
10	16QAM	25	24	22.30	22.32	22.17			
10	16QAM	50	0	22.16	22.28	22.18			
10	64QAM	1	0	22.35	22.38	22.29			
10	64QAM	1	24	22.38	22.33	22.26	23.3	1	
10	64QAM	1	49	22.38	22.23	22.37			
10	64QAM	25	0	21.23	21.32	21.27			
10	64QAM	25	12	21.36	21.30	21.27	22.3	2	
10	64QAM	25	24	21.28	21.26	21.07			
10	64QAM	50	0	21.23	21.27	21.11			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.83	23.85	23.76			
5	QPSK	1	12	23.81	23.97	23.76	24.3	0	
5	QPSK	1	24	23.68	23.67	23.76			
5	QPSK	12	0	23.34	23.35	23.22			
5	QPSK	12	13	23.32	23.35	23.15	23.8	0.5	
5	QPSK	12	13	23.21	23.28	23.07			
5	QPSK	25	0	23.30	23.31	23.22			
5	QPSK	25	12	23.42	23.45	23.26	23.8	0.5	
5	QPSK	1	12	23.46	23.54	23.46			
5	16QAM	1	24	23.34	23.39	23.28			
5	16QAM	12	0	22.30	22.39	22.20			
5	16QAM	12	13	22.31	22.38	22.15	23.3	1	
5	16QAM	12	13	22.27	22.25	22.16			
5	16QAM	25	0	22.27	22.26	22.17			
5	64QAM	1	0	22.31	22.38	22.29			
5	64QAM	1	12	22.32	22.34	22.22	23.3	1	
5	64QAM	1	24	22.38	22.28	22.32			
5	64QAM	12	0	21.24	21.30	21.23			
5	64QAM	12	13	21.31	21.42	21.17	22.3	2	
5	64QAM	12	13	21.26	21.28	21.19			
5	64QAM	25	0	21.22	21.36	21.24			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.93	23.94	23.77			
3	QPSK	1	8	23.74	23.91	23.71	24.3	0	
3	QPSK	1	14	23.81	23.88	23.79			
3	QPSK	8	0	23.22	23.38	23.18			
3	QPSK	8	4	23.22	23.32	23.11	23.8	0.5	
3	QPSK	8	7	23.24	23.20	23.15			
3	QPSK	15	0	23.26	23.40	23.22			
3	16QAM	1	0	23.45	23.63	23.45			
3	16QAM	1	8	23.48	23.51	23.33	23.8	0.5	
3	16QAM	1	14	23.46	23.46	23.50			
3	16QAM	8	0	22.24	22.30	22.31			
3	16QAM	8	4	22.27	22.27	22.12	23.3	1	
3	16QAM	8	7	22.21	22.28	22.05			
3	16QAM	15	0	22.28	22.26	22.15			
3	64QAM	1	0	22.28	22.38	22.28			
3	64QAM	1	8	22.42	22.50	22.34	23.3	1	
3	64QAM	1	14	22.33	22.24	22.25			
3	64QAM	8	0	21.26	21.29	21.29			
3	64QAM	8	4	21.24	21.33	21.13	22.3	2	
3	64QAM	8	7	21.19	21.33	21.05			
3	64QAM	15	0	21.31	21.27	21.14			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.68	23.84	23.53			
1.4	QPSK	1	3	23.65	23.83	23.52	24.3	0	
1.4	QPSK	1	5	23.63	23.84	23.52			
1.4	QPSK	3	0	23.68	23.81	23.56			
1.4	QPSK	3	1	23.66	23.78	23.52			
1.4	QPSK	3	3	23.65	23.82	23.54	23.8	0.5	
1.4	QPSK	6	0	23.16	23.38	23.06			
1.4	16QAM	1	0	23.39	23.45	23.40			
1.4	16QAM	1	3	23.34	23.40	23.35			
1.4	16QAM	1	5	23.33	23.54	23.32	23.8	0.5	
1.4	16QAM	3	0	23.25	23.39	23.25			
1.4	16QAM	3	1	23.22	23.29	23.23			
1.4	16QAM	3	3	23.30	23.36	23.30			
1.4	16QAM	6	0	22.21	22.27	22.15	23.3	1	
1.4	64QAM	1	0	22.28	22.25	22.19			
1.4	64QAM	1	3	22.29	22.29	22.14			
1.4	64QAM	1	5	22.28	22.23	22.17	23.3	1	
1.4	64QAM	3	0	22.26	22.23	22.13			
1.4	64QAM	3	1	22.26	22.23	22.09			
1.4	64QAM	3	3	22.21	22.28	22.12	22.3	2	
1.4	64QAM	6	0	21.17	21.25	21.03			

Band 2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Turn-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	15.90	15.90	15.92			
20	QPSK	1	49	15.90	15.90	15.91	16.2	0	
20	QPSK	1	99	15.92	15.93	15.88			
20	QPSK	50	24	15.89	15.93	15.84	16.2	0	
20	QPSK	50	50	15.87	15.88	15.86			
20	QPSK	100	0	15.91	15.97	15.88			
20	16QAM	1	0	15.83	15.85	15.83			
20	16QAM	1	49	15.93	15.97	15.91	16.2	0	
20	16QAM	1	99	15.82	15.96	15.84			
20	16QAM	50	24	15.93	15.94	15.85	16.2	0	
20	16QAM	50	50	15.81	15.84	15.86			
20	16QAM	100	0	15.93	15.99	15.80			
20	16QAM	150	0	15.95	15.97	15.84			
20	64QAM	1	49	15.92	15.99	15.87	16.2	0	
20	64QAM	1	99	15.87	15.86	15.88			
20	64QAM	50	24	15.98	15.94	15.85			
20	64QAM	50	50	15.90	15.87	15.81	16.2	0	
20	64QAM	50	50	15.90	15.87	15.82			
20	64QAM	100	0	15.87	15.93	15.80			
Channel									
Frequency (MHz)									
16	QPSK	1	0	16.04	16.00	16.02	Turn-up limit (dB)	MPR (dB)	
16	QPSK	1	37	15.78	15.80	15.78	16.2	0	
16	QPSK	36	20	15.77	15.80	15.87			
16	QPSK	36	20	15.95	15.87	15.87			
16	QPSK	36	20	15.85	15.79	15.73	16.2	0	
16	QPSK	36	20	15.98	15.93	15.84			
16	QPSK	36	20	15.78	15.83	15.83			
16	16QAM	1	0	15.77	15.72	15.73			
16	16QAM	1	37	15.85	15.84	15.89	16.2	0	
16	16QAM	36	20	15.69	15.81	15.84			
16	16QAM	36	20	15.72	15.79	15.74			
16	16QAM	36	20	15.86	15.89	15.82	16.2	0	
16	16QAM	36	20	15.78	15.80	15.76			
16	16QAM	75	0	15.92	15.85	15.79			
16	64QAM	1	0	15.81	15.83	15.71	16.2	0	
16	64QAM	1	37	15.89	15.91	15.84			
16	64QAM	36	20	15.82	15.81	15.81			
16	64QAM	36	20	15.76	15.83	15.72	16.2	0	
16	64QAM	36	20	15.88	15.80	15.76			
16	64QAM	75	0	15.88	15.81	15.76			
Channel									
Frequency (MHz)									
10	QPSK	1	0	16.04	16.00	16.01	Turn-up limit (dB)	MPR (dB)	
10	QPSK	1	25	16.00	15.92	15.91	16.2	0	
10	QPSK	1	49	15.84	15.88	15.83			
10	QPSK	25	0	15.82	15.88	15.83			
10	QPSK	25	0	15.83	15.85	15.82	16.2	0	
10	QPSK	25	25	15.78	15.87	15.78			
10	QPSK	50	0	15.82	15.82	15.76			
10	16QAM	1	0	15.74	15.74	15.72			
10	16QAM	1	25	15.84	15.87	15.88	16.2	0	
10	16QAM	1	49	15.75	15.80	15.72			
10	16QAM	25	0	15.80	15.80	15.76			
10	16QAM	25	0	15.83	15.89	15.77			
10	16QAM	25	25	15.70	15.82	15.80			
10	16QAM	50	0	15.85	15.90	15.70			
10	64QAM	1	0	15.82	15.77	15.74	16.2	0	
10	64QAM	1	25	15.78	15.04	15.77			
10	64QAM	1	49	15.81	15.84	15.84			
10	64QAM	25	0	15.93	15.97	15.79			
10	64QAM	25	0	15.82	15.85	15.79	16.2	0	
10	64QAM	25	25	15.76	15.76	15.79			
10	64QAM	50	0	15.85	15.81	15.76			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.92	15.06	15.06	Turn-up limit (dB)	MPR (dB)	
5	QPSK	1	12	15.84	15.79	15.81	16.2	0	
5	QPSK	1	24	15.81	15.81	15.81			
5	QPSK	12	0	15.90	15.85	15.79			
5	QPSK	12	0	15.77	15.82	15.81	16.2	0	
5	QPSK	12	13	15.79	15.85	15.84			
5	QPSK	25	0	15.80	15.82	15.84			
5	16QAM	1	0	15.70	15.77	15.73			
5	16QAM	1	12	15.92	15.82	15.84	16.2	0	
5	16QAM	1	24	15.78	15.82	15.82			
5	16QAM	12	0	15.82	15.89	15.82			
5	16QAM	12	7	15.85	15.88	15.77	16.2	0	
5	16QAM	12	13	15.77	15.81	15.87			
5	16QAM	25	0	15.80	15.82	15.76			
5	64QAM	1	0	15.68	15.80	15.82			
5	64QAM	1	12	15.86	15.86	15.81	16.2	0	
5	64QAM	1	24	15.79	15.75	15.73			
5	64QAM	12	0	15.84	15.89	15.73			
5	64QAM	12	7	15.79	15.74	15.74	16.2	0	
5	64QAM	12	14	15.76	15.73	15.73			
5	64QAM	25	0	15.87	15.78	15.68			
Channel									
Frequency (MHz)									
3	QPSK	1	0	15.81	15.81	15.79	Turn-up limit (dB)	MPR (dB)	
3	QPSK	1	0	15.81	15.81	15.79	16.2	0	
3	QPSK	1	14	15.85	15.78	15.87			
3	QPSK	8	0	15.81	15.85	15.78			
3	QPSK	8	0	15.80	15.85	15.81	16.2	0	
3	QPSK	8	7	15.77	15.92	15.83			
3	QPSK	8	7	15.78	15.95	15.87			
3	16QAM	1	0	15.80	15.72	15.75			
3	16QAM	1	0	15.91	15.82	15.82	16.2	0	
3	16QAM	1	14	15.81	15.86	15.73			
3	16QAM	8	0	15.75	15.88	15.79			
3	16QAM	8	0	15.78	15.92	15.82	16.2	0	
3	16QAM	8	7	15.67	15.90	15.86			
3	16QAM	15	0	15.85	15.92	15.66			
3	64QAM	1	0	15.80	15.80	15.74			
3	64QAM	1	8	15.87	15.96	15.83	16.2	0	
3	64QAM	1	14	15.86	15.86	15.78			
3	64QAM	8	0	15.83	15.89	15.84			
3	64QAM	8	0	15.77	15.87	15.74	16.2	0	
3	64QAM	8	7	15.79	15.85	15.70			
3	64QAM	15	0	15.86	15.80	15.69			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.90	15.94	15.85	Turn-up limit (dB)	MPR (dB)	
1.4	QPSK	1	3	15.84	15.75	15.85			
1.4	QPSK	1	6	15.87	15.83	15.84	16.2	0	
1.4	QPSK	3	0	15.82	15.94	15.84			
1.4	QPSK	3	1	15.86	15.83	15.79			
1.4	QPSK	3	1	15.79	15.82	15.82	16.2	0	
1.4	QPSK	3	1	15.89	15.84	15.84			
1.4	16QAM	1	0	15.69	15.76	15.68			
1.4	16QAM	1	3	15.82	15.87	15.80			
1.4	16QAM	1	6	15.79	15.81	15.83	16.2	0	
1.4	16QAM	3	0	15.79	15.92	15.79			
1.4	16QAM	3	1	15.81	15.89	15.84			
1.4	16QAM	3	1	15.78	15.79	15.73	16.2	0	
1.4	64QAM	1	0	15.87	15.78	15.75			
1.4	64QAM	1	3	15.88	15.92	15.77			
1.4	64QAM	1	6	15.80	15.78	15.79	16.2	0	
1.4	64QAM	3	0	15.83	15.84	15.86			
1.4	64QAM	3	1	15.77	15.84	15.72			
1.4	64QAM	3	1	15.78	15.78	15.72	16.2	0	

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	22.05	22.06	22.48	22.9	0		
20	QPSK	1	49	22.06	22.02	22.07				
20	QPSK	1	99	22.05	22.08	22.50				
20	QPSK	50	0	22.06	22.11	22.00				
20	QPSK	50	24	22.12	22.09	22.07				
20	QPSK	50	50	22.02	22.06	22.00	22.4	0.5		
20	QPSK	100	0	22.06	22.11	22.00				
20	16QAM	1	0	22.33	22.34	22.30				
20	16QAM	1	49	22.37	22.34	22.33				
20	16QAM	50	24	21.10	21.08	21.06				
20	16QAM	50	50	21.03	21.06	21.00	21.9	1		
20	16QAM	100	0	21.05	21.05	21.01				
20	16QAM	50	24	21.10	21.08	21.09				
20	64QAM	1	49	21.26	21.33	21.20				
20	64QAM	1	99	21.08	21.10	21.04				
20	64QAM	50	0	20.12	20.09	20.08	20.9	2		
20	64QAM	50	24	20.11	20.09	20.08				
20	64QAM	50	50	20.03	20.09	20.01				
20	64QAM	100	0	20.08	20.08	20.00				
20	64QAM	100	0	20.08	20.08	20.00				
Channel										
Frequency (MHz)				20025	20175	20325	Turn-up limt (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	22.03	22.06	22.05	22.9	0		
15	QPSK	1	37	22.03	22.06	22.05				
15	QPSK	1	74	22.00	22.07	22.00				
15	QPSK	36	0	22.12	22.07	22.04				
15	QPSK	36	20	22.01	21.95	21.96				
15	QPSK	36	39	22.01	22.00	21.99	22.4	0.5		
15	QPSK	75	0	21.93	21.98	21.89				
15	16QAM	1	0	22.24	22.28	22.32				
15	16QAM	1	37	22.02	22.37	22.22				
15	16QAM	1	74	22.00	22.00	22.00				
15	16QAM	36	0	21.04	21.05	20.92	21.9	1		
15	16QAM	36	20	21.02	20.96	20.97				
15	16QAM	36	39	21.02	21.04	20.93				
15	16QAM	75	0	20.96	20.96	20.88				
15	64QAM	1	0	21.19	21.14	21.25				
15	64QAM	1	37	21.12	21.29	21.17	21.9	1		
15	64QAM	1	74	20.99	20.97	20.91				
15	64QAM	36	0	20.91	19.93	19.96				
15	64QAM	36	20	20.00	19.96	19.94				
15	64QAM	75	0	20.03	20.00	19.99				
15	64QAM	75	0	20.03	20.00	19.99				
Channel										
Frequency (MHz)				20000	20175	20350	Turn-up limt (dBm)	MPR (dB)		
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	22.04	22.06	22.49	22.9	0		
10	QPSK	1	24	22.00	22.00	22.00				
10	QPSK	1	49	22.43	22.02	22.45				
10	QPSK	25	0	22.07	22.17	21.97				
10	QPSK	25	12	22.11	22.07	21.96				
10	QPSK	25	25	21.90	21.97	21.98	22.4	0.5		
10	QPSK	50	0	21.95	22.07	21.95				
10	16QAM	1	0	22.22	22.22	22.37				
10	16QAM	1	25	22.33	22.34	22.18				
10	16QAM	1	49	22.01	22.17	22.05				
10	16QAM	25	0	20.88	20.96	21.06	21.9	1		
10	16QAM	25	12	21.02	20.95	21.01				
10	16QAM	25	25	21.02	20.97	20.96				
10	16QAM	50	0	20.95	20.98	20.98				
10	64QAM	1	0	21.18	21.07	21.16				
10	64QAM	1	25	21.23	21.20	21.18	21.9	1		
10	64QAM	1	49	21.04	21.09	20.94				
10	64QAM	25	0	20.02	20.00	19.99				
10	64QAM	25	12	19.99	19.97	19.97				
10	64QAM	25	25	19.98	19.94	19.97				
10	64QAM	50	0	20.04	20.05	19.90	20.9	2		
10	64QAM	50	0	20.04	20.05	19.90				
Channel										
Frequency (MHz)				19975	20175	20375	Turn-up limt (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	22.05	22.06	22.48	22.9	0		
5	QPSK	1	12	22.06	22.06	22.45				
5	QPSK	1	24	22.51	22.45	22.43				
5	QPSK	12	0	22.08	22.14	22.03				
5	QPSK	12	6	22.08	22.08	22.05				
5	QPSK	12	13	21.96	21.98	21.87	22.4	0.5		
5	QPSK	25	0	21.96	22.09	21.89				
5	16QAM	1	0	22.20	22.20	22.20				
5	16QAM	1	12	22.31	22.30	22.19				
5	16QAM	1	24	22.14	22.07	22.11				
5	16QAM	12	0	21.07	21.02	21.05	22.4	0.5		
5	16QAM	12	6	21.09	20.95	20.97				
5	16QAM	12	13	21.00	20.97	20.96				
5	16QAM	25	0	20.92	20.94	21.00				
5	64QAM	1	0	21.17	21.15	21.24				
5	64QAM	1	12	21.14	21.13	21.15	21.9	1		
5	64QAM	1	24	21.04	21.08	20.93				
5	64QAM	12	0	20.06	19.94	19.97				
5	64QAM	12	6	19.97	19.98	19.97				
5	64QAM	12	13	19.92	20.03	19.96				
5	64QAM	25	0	19.99	19.98	20.04	20.9	2		
5	64QAM	25	0	19.99	19.98	20.04				
Channel										
Frequency (MHz)				19965	20175	20385	Turn-up limt (dBm)	MPR (dB)		
Frequency (MHz)				1710	1732.5	1754.5				
1.4	QPSK	1	0	22.07	22.04	22.50	22.9	0		
1.4	QPSK	1	3	22.04	22.51	22.44				
1.4	QPSK	1	5	22.52	22.53	22.47				
1.4	QPSK	3	0	22.06	22.03	22.47				
1.4	QPSK	3	1	22.54	22.52	22.47				
1.4	QPSK	3	1	22.56	22.53	22.47	22.4	0.5		
1.4	QPSK	6	0	22.06	22.01	21.96				
1.4	16QAM	1	0	22.25	22.30	22.25				
1.4	16QAM	1	3	22.26	22.31	22.20				
1.4	16QAM	1	5	22.22	22.37	22.24				
1.4	16QAM	3	0	22.04	22.02	21.96	22.4	0.5		
1.4	16QAM	3	1	22.03	22.02	21.96				
1.4	16QAM	3	3	22.01	22.02	21.94				
1.4	64QAM	1	0	21.24	21.25	21.15				
1.4	64QAM	1	3	21.17	21.22	21.14				
1.4	64QAM	1	5	21.17	21.23	21.16	21.9	1		
1.4	64QAM	3	0	21.18	21.14	21.07				
1.4	64QAM	3	1	21.16	21.15	21.06				
1.4	64QAM	3	3	21.16	21.14	21.04				
1.4	64QAM	6	0	20.03	20.02	19.94				
1.4	64QAM	6	0	20.03	20.02	19.94	20.9	2		
1.4	64QAM	6	0	20.03	20.02	19.94				

Band 5_Ant 0									
BW (MHz)	Modulation	Rb Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
1.4	QPSK	1	0	23.75	23.73	23.69			
1.4	QPSK	1	25	23.76	23.73	23.67	24.8	0	
1.4	QPSK	1	49	23.74	23.75	23.74			
1.4	QPSK	25	0	22.33	22.35	22.30			
1.4	QPSK	25	25	22.28	22.27	22.32	23.8	1	
1.4	QPSK	50	0	22.25	22.30	22.21			
1.4	16QAM	1	0	22.50	22.60	22.61			
1.4	16QAM	1	25	22.63	22.62	22.58	23.8		
1.4	16QAM	1	49	22.54	22.54	22.43			
1.4	16QAM	25	0	21.34	21.22	21.25			
1.4	16QAM	25	25	21.34	21.22	21.25	22.8	2	
1.4	16QAM	25	25	21.29	21.26	21.17			
1.4	16QAM	50	0	21.35	21.25	21.21			
1.4	64QAM	1	0	21.49	21.44	21.46			
1.4	64QAM	1	25	21.50	21.39	21.43	22.8	2	
1.4	64QAM	1	49	21.44	21.42	21.42			
1.4	64QAM	25	0	20.35	20.23	20.24			
1.4	64QAM	25	25	20.34	20.25	20.19	21.8	3	
1.4	64QAM	25	25	20.29	20.27	20.19			
1.4	64QAM	50	0	20.34	20.23	20.25			
Channel									
Frequency (MHz)				20425	20505	20525	Turn-up limt (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	0	23.73	23.73	23.72			
5	QPSK	1	12	23.61	23.61	23.66	24.8	0	
5	QPSK	1	24	23.61	23.61	23.63			
5	QPSK	12	0	22.18	22.17	22.18			
5	QPSK	12	7	22.13	22.14	22.11	23.8	1	
5	QPSK	12	13	22.17	22.23	22.13			
5	QPSK	25	0	22.20	22.25	22.20			
5	16QAM	1	16QAM	22.57	22.62	22.53			
5	16QAM	1	12	22.60	22.61	22.29	23.8	1	
5	16QAM	1	24	22.44	22.39	22.38			
5	16QAM	12	0	21.28	21.28	21.11	22.8	2	
5	16QAM	12	7	21.27	21.13	21.19			
5	16QAM	12	13	21.17	21.20	21.09			
5	16QAM	25	0	21.29	21.17	21.17			
5	64QAM	1	64QAM	21.39	21.34	21.35			
5	64QAM	1	12	21.46	21.31	21.35	22.8	2	
5	64QAM	1	24	21.41	21.34	21.31			
5	64QAM	12	0	20.34	20.23	20.17			
5	64QAM	12	7	20.32	20.23	20.04	21.8	3	
5	64QAM	12	13	20.28	20.15	20.07			
5	64QAM	25	0	20.25	20.10	20.11			
Channel									
Frequency (MHz)				836.5	836.5	847.5	Turn-up limt (dBm)	MPR (dB)	
3	QPSK	1	0	23.75	23.73	23.69			
3	QPSK	1	8	23.72	23.69	23.56	24.8	0	
3	QPSK	1	16	23.71	23.72	23.64			
3	QPSK	8	0	22.23	22.21	22.16			
3	QPSK	8	4	22.16	22.17	22.16	23.8	1	
3	QPSK	8	7	22.25	22.20	22.09			
3	16QAM	1	16	22.20	22.21	22.16			
3	16QAM	1	0	22.59	22.50	22.53			
3	16QAM	1	8	22.61	22.43	22.28	23.8	1	
3	16QAM	1	16	22.50	22.42	22.38			
3	16QAM	8	0	21.29	21.19	21.16	22.8		
3	16QAM	8	4	21.29	21.17	21.13			
3	16QAM	8	7	21.15	21.23	21.04			
3	64QAM	1	64QAM	21.30	21.14	21.08			
3	64QAM	1	0	21.36	21.30	21.31			
3	64QAM	1	8	21.48	21.31	21.31	22.8	2	
3	64QAM	1	16	21.29	21.18	21.14			
3	64QAM	8	0	20.34	20.20	20.22			
3	64QAM	8	4	20.29	20.10	20.14	21.8	3	
3	64QAM	8	7	20.44	20.21	20.07			
3	64QAM	16	0	20.32	20.16	20.16			
Channel									
Frequency (MHz)				20407	20525	20643	Turn-up limt (dBm)	MPR (dB)	
Frequency (MHz)				834.7	836.5	848.5			
1.4	QPSK	1	0	23.81	23.75	23.66			
1.4	QPSK	1	25	23.78	23.73	23.64	24.8	0	
1.4	QPSK	1	5	23.75	23.74	23.70			
1.4	QPSK	1	30	23.77	23.72	23.68			
1.4	QPSK	3	0	22.80	22.72	22.70			
1.4	QPSK	3	1	22.79	22.72	22.72	23.8	1	
1.4	QPSK	6	0	22.28	22.21	22.17			
1.4	16QAM	1	0	22.55	22.51	22.49			
1.4	16QAM	1	0	22.50	22.51	22.52			
1.4	16QAM	1	16QAM	22.50	22.51	22.51	23.8	1	
1.4	16QAM	3	0	22.27	22.20	22.13			
1.4	16QAM	3	1	22.28	22.22	22.19			
1.4	16QAM	3	1	22.27	22.18	22.17			
1.4	16QAM	6	0	21.34	21.28	21.27	22.8	2	
1.4	64QAM	1	0	21.48	21.46	21.35			
1.4	64QAM	1	9	21.40	21.40	21.34			
1.4	64QAM	1	24	21.40	21.42	21.34	22.8	2	
1.4	64QAM	3	0	21.40	21.30	21.28			
1.4	64QAM	3	1	21.38	21.29	21.29			
1.4	64QAM	3	1	21.38	21.29	21.29			
1.4	64QAM	6	0	20.24	20.19	20.18	21.8		

Band 7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power High Ch./Freq	Power MPR Ch./Freq	Turn-up limt (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20650	21100	21550		
				2310	2335	2360		
20	QPSK	1	0	21.03	21.05	21.02		
20	QPSK	1	49	20.96	20.96	20.93	21.5	0
20	QPSK	1	99	20.97	20.96	20.91		
20	QPSK	50	0	21.00	21.00	21.01		
20	QPSK	50	24	20.98	20.91	20.95	21.5	0
20	QPSK	50	50	20.95	21.00	21.00		
20	QPSK	100	0	20.90	21.00	20.97		
20	16QAM	1	0	21.02	21.00	20.98		
20	16QAM	1	49	20.94	20.94	20.90	21.5	0
20	16QAM	1	99	20.90	20.96	20.94		
20	16QAM	50	0	20.91	20.97	20.93		
20	16QAM	50	24	20.87	20.81	20.91	21.5	0
20	16QAM	50	50	20.71	20.85	20.88		
20	16QAM	100	0	20.65	20.80	20.94		
20	64QAM	1	0	19.61	19.79	19.83		
20	64QAM	1	49	20.86	20.98	21.03	21.5	0
20	64QAM	1	99	20.93	20.99	21.04		
20	64QAM	50	0	19.61	19.79	19.83		
20	64QAM	50	24	19.68	19.84	19.88	20.5	1
20	64QAM	50	50	19.71	19.83	19.86		
20	64QAM	100	0	19.63	19.82	19.85		
Channel								
Frequency (MHz)				20925	21100	21175	Turn-up limt (dBm)	MPR (dB)
				2507.5	2535	2562.5		
15	QPSK	1	0	20.99	21.01	20.87		
15	QPSK	1	37	20.92	20.85	20.89	21.5	0
15	QPSK	1	74	20.95	20.94	20.77		
15	QPSK	36	0	20.85	20.88	20.96		
15	QPSK	36	20	20.93	20.81	20.83	21.5	0
15	QPSK	36	39	20.90	20.94	20.91		
15	QPSK	75	0	20.85	20.99	20.94		
15	16QAM	1	0	20.93	20.97	20.84		
15	16QAM	1	37	20.91	20.81	20.87	21.5	0
15	16QAM	1	74	20.88	20.83	20.94		
15	16QAM	36	0	20.60	20.64	20.78		
15	16QAM	36	20	20.66	20.74	20.84	21.5	0
15	16QAM	36	39	20.63	20.79	20.87		
15	16QAM	75	0	20.61	20.67	20.76		
15	64QAM	1	0	20.89	20.82	20.79		
15	64QAM	1	37	20.83	20.87	20.88	21.5	0
15	64QAM	1	74	20.79	20.86	20.99		
15	64QAM	36	0	19.60	19.77	19.72		
15	64QAM	36	20	19.60	19.71	19.77	20.5	1
15	64QAM	36	39	19.67	19.78	19.84		
15	64QAM	75	0	19.63	19.74	19.73		
Channel								
Frequency (MHz)				20800	21100	21400	Turn-up limt (dBm)	MPR (dB)
				2505	2535	2565		
10	QPSK	1	0	20.95	20.91	20.96		
10	QPSK	1	24	20.87	20.82	20.88	21.5	0
10	QPSK	1	49	20.88	20.94	20.84		
10	QPSK	25	0	20.94	20.96	20.97		
10	QPSK	25	12	20.88	20.88	20.93	21.5	0
10	QPSK	25	26	20.88	20.84	20.89		
10	QPSK	50	0	20.92	20.87	20.96		
10	16QAM	1	0	20.95	20.86	20.86		
10	16QAM	1	24	20.89	20.88	20.96	21.5	0
10	16QAM	1	49	20.78	20.91	20.79		
10	16QAM	25	0	20.49	20.64	20.78		
10	16QAM	25	12	20.64	20.75	20.81	21.5	0
10	16QAM	25	26	20.68	20.83	20.79		
10	16QAM	50	0	20.56	20.70	20.83		
10	64QAM	1	0	20.79	20.79	20.84	21.5	0
10	64QAM	1	24	20.79	20.93	20.89		
10	64QAM	1	49	20.92	20.88	20.94		
10	64QAM	25	0	19.55	19.68	19.78		
10	64QAM	25	12	19.63	19.80	19.75	20.5	1
10	64QAM	25	26	19.70	19.70	19.76		
10	64QAM	50	0	19.55	19.70	19.81		
Channel								
Frequency (MHz)				20775	21100	21425	Turn-up limt (dBm)	MPR (dB)
				2502.5	2535	2567.5		
5	QPSK	1	0	20.89	20.96	21.01		
5	QPSK	1	12	20.87	20.82	20.88	21.5	0
5	QPSK	1	24	20.95	20.85	20.89		
5	QPSK	12	0	20.95	20.91	20.87		
5	QPSK	12	7	20.86	20.90	20.90	21.5	0
5	QPSK	12	13	20.88	20.91	20.97		
5	QPSK	25	0	20.85	20.87	20.88		
5	16QAM	1	0	20.89	20.91	20.86		
5	16QAM	1	12	20.90	20.82	20.84	21.5	0
5	16QAM	1	24	20.85	20.81	20.79		
5	16QAM	12	0	20.92	20.87	20.72		
5	16QAM	12	7	20.62	20.68	20.80	21.5	0
5	16QAM	12	13	20.62	20.64	20.83		
5	16QAM	25	0	20.58	20.74	20.82		
5	64QAM	1	0	20.80	20.72	20.88		
5	64QAM	1	12	20.72	20.80	20.92	21.5	0
5	64QAM	1	24	20.92	20.87	20.96		
5	64QAM	12	0	19.59	19.70	19.79		
5	64QAM	12	7	19.58	19.73	19.80	20.5	1
5	64QAM	12	13	19.62	19.74	19.82		
5	64QAM	25	0	19.57	19.71	19.74		

Band 7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Midle Ch./Freq	Power High Ch./Freq	Turn-up (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20650	21100	21550		
20	QPSK	1	0	22.23	22.33	22.31		
20	QPSK	1	49	22.21	22.20	22.29	23	0
20	QPSK	1	99	22.15	22.18	22.30		
20	QPSK	50	0	21.95	21.95	21.93		
20	QPSK	50	24	21.00	21.00	21.11	22	1
20	QPSK	50	50	20.97	21.02	21.08		
20	QPSK	100	0	20.97	21.12	21.08		
20	16QAM	1	0	21.08	21.17	21.19		
20	16QAM	1	49	21.25	21.28	21.33	22	1
20	16QAM	1	99	21.24	21.26	21.41		
20	16QAM	50	0	19.95	19.96	20.04		
20	16QAM	50	24	19.98	19.96	20.12	21	2
20	16QAM	50	50	19.98	20.03	20.12		
20	16QAM	100	0	19.96	19.97	20.06		
20	64QAM	1	0	19.99	20.11	20.10		
20	64QAM	1	49	20.10	20.19	20.27	21	2
20	64QAM	1	99	20.13	20.17	20.29		
20	64QAM	50	0	19.95	19.95	19.94		
20	64QAM	50	24	19.99	19.90	19.11	20	3
20	64QAM	50	50	19.87	19.92	19.12		
20	64QAM	100	0	19.86	19.98	19.07		
Channel								
Frequency (MHz)				22625	23100	23175	Turn-up (dBm) <td>MPR (dB)</td>	MPR (dB)
				2507.5	2535	2562.5		
15	QPSK	1	0	22.21	22.31	22.26		
15	QPSK	1	37	22.08	22.18	22.18	23	0
15	QPSK	1	74	22.04	22.13	22.17		
15	QPSK	36	0	21.62	21.08	21.02		
15	QPSK	36	20	20.95	20.94	21.01	22	1
15	QPSK	36	39	20.92	21.01	21.00		
15	QPSK	75	0	20.90	21.10	21.05		
15	16QAM	1	0	21.05	21.13	21.18		
15	16QAM	1	37	21.20	21.15	21.22	22	1
15	16QAM	1	74	21.14	21.21	21.36		
15	16QAM	36	0	19.85	19.88	19.95		
15	16QAM	36	20	19.95	19.95	20.05	21	2
15	16QAM	36	39	19.89	19.95	20.07		
15	16QAM	75	0	19.86	19.90	19.93		
15	64QAM	1	0	19.90	19.96	20.08		
15	64QAM	1	37	20.13	20.11	20.26	21	2
15	64QAM	1	74	20.07	20.09	20.23		
15	64QAM	36	0	18.81	18.92	18.95		
15	64QAM	36	20	18.80	18.92	18.98	20	3
15	64QAM	36	39	18.82	18.93	18.97		
15	64QAM	75	0	18.85	18.95	18.94		
Channel								
Frequency (MHz)				20800	21100	21400	Turn-up (dBm) <td>MPR (dB)</td>	MPR (dB)
				2505	2535	2565		
10	QPSK	1	0	22.23	22.24	22.28		
10	QPSK	1	24	22.17	22.17	22.17	23	0
10	QPSK	1	49	22.12	22.08	22.15		
10	QPSK	25	0	20.97	21.08	21.04		
10	QPSK	25	12	20.99	20.89	20.98	22	1
10	QPSK	25	26	20.96	21.01	21.07		
10	QPSK	50	0	20.85	21.02	21.06		
10	16QAM	1	0	21.02	21.02	21.07		
10	16QAM	1	24	21.20	21.25	21.30	22	1
10	16QAM	1	49	21.20	21.25	21.30		
10	16QAM	25	0	19.94	19.89	20.01		
10	16QAM	25	12	19.83	19.87	20.11	21	2
10	16QAM	25	26	19.91	19.92	20.10		
10	16QAM	50	0	19.83	19.94	19.94		
10	64QAM	1	0	19.94	19.95	20.08		
10	64QAM	1	24	20.12	20.09	20.23	21	2
10	64QAM	1	49	20.08	20.14	20.23		
10	64QAM	25	0	18.84	18.91	19.02		
10	64QAM	25	12	18.88	18.98	19.08	20	3
10	64QAM	25	26	18.86	18.96	19.05		
10	64QAM	50	0	18.84	18.95	19.04		
Channel								
Frequency (MHz)				22775	23100	23125	Turn-up (dBm) <td>MPR (dB)</td>	MPR (dB)
				2522.5	2539	2567.5		
5	QPSK	1	0	22.22	22.28	22.19		
5	QPSK	1	12	22.10	22.05	22.16	23	1
5	QPSK	1	24	22.15	22.11	22.12	22	0
5	QPSK	12	0	21.06	21.14	21.04		
5	QPSK	12	7	20.92	20.87	20.97		
5	QPSK	12	13	20.89	20.86	21.02	22	1
5	QPSK	12	20	20.94	20.91	21.07		
5	16QAM	1	0	21.03	21.09	21.10		
5	16QAM	1	12	21.19	21.18	21.26	22	1
5	16QAM	1	24	21.17	21.16	21.30		
5	16QAM	12	0	19.89	19.89	19.96		
5	16QAM	12	7	19.85	19.90	20.10	21	2
5	16QAM	12	13	18.84	19.94	20.08		
5	16QAM	12	20	19.90	19.92	20.03		
5	64QAM	1	0	19.92	20.02	19.98		
5	64QAM	1	12	20.01	20.04	20.17	21	2
5	64QAM	1	24	20.12	20.06	20.26		
5	64QAM	12	0	18.80	18.80	18.91		
5	64QAM	12	7	18.84	18.94	19.03		
5	64QAM	12	13	18.86	18.89	19.01	20	3
5	64QAM	12	20	18.87	18.90	19.03		

Band 13_Ant 0

Band 13_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limb (dBm)	MPR (dB)		
Channel 23230										
Frequency (MHz)										
10	QPSK	1	0	23.58			24.8	0		
10	QPSK	1	25	23.93						
10	QPSK	1	49	23.96						
10	QPSK	25	0	22.55			23.8	1		
10	QPSK	25	12	22.45						
10	QPSK	25	25	22.41						
10	QPSK	50	0	22.42			23.8	1		
10	16QAM	1	0	22.65						
10	16QAM	1	25	22.71						
10	16QAM	1	49	22.71			22.8	2		
10	16QAM	25	0	21.40						
10	16QAM	25	12	21.43						
10	16QAM	25	25	21.39			22.8	2		
10	16QAM	50	0	21.40						
10	16QAM	50	0	21.98						
10	64QAM	1	0	21.54			21.8	3		
10	64QAM	1	25	21.54						
10	64QAM	1	49	21.59						
10	64QAM	25	0	20.39			21.8	3		
10	64QAM	25	12	20.40						
10	64QAM	25	25	20.41						
10	64QAM	50	0	20.41			21.8	3		
Channel 23205										
Frequency (MHz)										
5	QPSK	1	0	23.86	23.89	23.96	24.8	0		
5	QPSK	1	12	23.86	23.83	23.85				
5	QPSK	1	24	23.80	23.88	23.90				
5	QPSK	12	0	22.37	22.44	22.38	23.8	1		
5	QPSK	12	7	22.39	22.32	22.37				
5	QPSK	12	13	22.34	22.35	22.37				
5	QPSK	25	0	22.37	22.40	22.28	23.8	1		
5	16QAM	1	0	22.63	22.61	22.60				
5	16QAM	1	12	22.61	22.63	22.62				
5	16QAM	1	24	22.62	22.62	22.58	22.8	2		
5	16QAM	12	0	21.34	21.29	21.25				
5	16QAM	12	7	21.39	21.34	21.30				
5	16QAM	12	13	21.31	21.29	21.33	22.8	2		
5	16QAM	25	0	21.38	21.39	21.27				
5	64QAM	1	0	21.47	21.51	21.42				
5	64QAM	1	12	21.46	21.52	21.53	22.8	2		
5	64QAM	1	24	21.51	21.47	21.49				
5	64QAM	12	0	20.30	20.33	20.27				
5	64QAM	12	7	20.30	20.27	20.29	21.8	3		
5	64QAM	12	13	20.40	20.30	20.34				
5	64QAM	25	0	20.33	20.40	20.38				

Band 13_Ant 1

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 limt (dBm)	MPR (dB)
Channel 23230								
Frequency (MHz)					762			
10	QPSK	1	0	22.07			22.5	0
10	QPSK	1	25	22.02				
10	QPSK	1	49	21.95				
10	QPSK	25	0	22.05			22.5	0
10	QPSK	25	12	21.99				
10	QPSK	25	25	22.03				
10	QPSK	50	0	21.96			22.5	0
10	16QAM	1	0	22.02				
10	16QAM	1	25	21.98				
10	16QAM	1	49	22.00			22.5	0
10	16QAM	25	0	21.42				
10	16QAM	25	12	21.45				
10	16QAM	25	25	21.44			22.5	0
10	16QAM	50	0	21.45				
10	64QAM	1	0	21.59				
10	64QAM	1	25	21.57			21.5	1
10	64QAM	1	49	21.61				
10	64QAM	25	0	20.43				
10	64QAM	25	12	20.43			21.5	1
10	64QAM	25	25	20.43				
10	64QAM	50	0	20.45				
Channel 23205								
Frequency (MHz)					762.5		784.5	
5	QPSK	1	0	22.06	21.99	22.03	22.5	0
5	QPSK	1	12	22.00	21.98	21.88		
5	QPSK	1	24	21.81	21.93	21.81		
5	QPSK	12	0	21.97	21.95	21.98	22.5	0
5	QPSK	12	7	21.88	21.97	21.93		
5	QPSK	12	13	21.90	21.87	21.93		
5	QPSK	25	0	21.95	21.90	21.84	22.5	0
5	16QAM	1	0	22.00	22.01	21.90		
5	16QAM	1	12	21.83	21.97	21.96		
5	16QAM	1	24	21.91	21.97	21.94	22.5	0
5	16QAM	12	0	21.37	21.29	21.38		
5	16QAM	12	7	21.44	21.33	21.42		
5	16QAM	12	13	21.38	21.29	21.31	22.5	0
5	16QAM	25	0	21.38	21.32	21.34		
5	64QAM	1	0	21.49	21.51	21.48		
5	64QAM	1	12	21.43	21.56	21.42	21.5	1
5	64QAM	1	24	21.48	21.60	21.60		
5	64QAM	12	0	20.31	20.41	20.39		
5	64QAM	12	7	20.32	20.36	20.38	21.5	1
5	64QAM	12	13	20.31	20.31	20.30		
5	64QAM	25	0	20.38	20.33	20.38		

Band 17_Ant 0

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 limt (dBm)	MPR (dB)
Channel 23780								
Frequency (MHz)								
10	QPSK	1	0	23.84	23.84	23.83	24.8	0
10	QPSK	1	25	23.84	23.84	23.68		
10	QPSK	1	49	23.82	23.79	23.81		
10	QPSK	25	0	22.18	22.25	22.22	23.8	1
10	QPSK	25	12	22.16	22.15	22.17		
10	QPSK	25	25	22.17	22.19	22.21		
10	QPSK	50	0	22.18	22.23	22.19	23.8	1
10	16QAM	1	0	22.41	22.50	22.49		
10	16QAM	1	25	22.43	22.44	22.46		
10	16QAM	1	49	22.60	22.58	22.55	22.8	2
10	16QAM	25	0	21.17	21.17	21.15		
10	16QAM	25	12	21.13	21.13	21.16		
10	16QAM	25	25	21.15	21.18	21.19	21.8	3
10	16QAM	50	0	21.15	21.18	21.18		
10	64QAM	1	0	21.23	21.34	21.36		
10	64QAM	1	25	21.33	21.33	21.35	22.8	2
10	64QAM	1	49	21.42	21.43	21.47		
10	64QAM	25	0	20.16	20.15	20.14		
10	64QAM	25	12	20.10	20.11	20.14	21.8	3
10	64QAM	25	25	20.12	20.15	20.17		
10	64QAM	50	0	20.14	20.18	20.17		
Channel 23755								
Frequency (MHz)								
5	QPSK	1	0	23.71	23.72	23.78	24.8	0
5	QPSK	1	12	23.67	23.54	23.63		
5	QPSK	1	24	23.67	23.68	23.73		
5	QPSK	12	0	22.05	22.12	22.10	23.8	1
5	QPSK	12	7	22.14	22.07	22.03		
5	QPSK	12	13	22.04	22.09	22.20		
5	QPSK	25	0	22.12	22.16	22.03	23.8	1
5	16QAM	1	0	22.37	22.47	22.45		
5	16QAM	1	12	22.39	22.41	22.44		
5	16QAM	1	24	22.36	22.43	22.45	22.8	2
5	16QAM	12	0	21.09	21.09	21.12		
5	16QAM	12	7	21.02	21.04	21.01		
5	16QAM	12	13	21.05	21.14	21.06	22.8	2
5	16QAM	25	0	21.00	21.09	21.05		
5	64QAM	1	0	21.17	21.26	21.26		
5	64QAM	1	12	21.19	21.26	21.25	21.8	3
5	64QAM	1	24	21.33	21.33	21.42		
5	64QAM	12	0	20.15	20.00	20.12		
5	64QAM	12	7	20.01	19.98	20.08	21.8	3
5	64QAM	12	13	20.01	20.11	20.04		
5	64QAM	25	0	20.09	20.09	20.13		

Band 17_Ant 1

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 limt (dBm)	MPR (dB)		
Channel				23780	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	21.80	21.96	21.92	22.5	0		
10	QPSK	25	0	21.77	21.94	21.77				
10	QPSK	1	49	21.83	21.87	21.89				
10	QPSK	25	0	21.83	21.84	21.80				
10	QPSK	25	12	21.82	21.93	21.87	22.5	0		
10	QPSK	25	25	21.81	21.90	21.89				
10	QPSK	50	0	21.83	21.92	21.90				
10	QPSK	1	0	21.87	21.82	21.86				
10	16QAM	25	0	21.82	21.82	21.86	22.5	0		
10	16QAM	1	49	21.83	21.91	21.89				
10	16QAM	25	0	21.28	21.28	21.27				
10	16QAM	25	12	21.28	21.28	21.28				
10	16QAM	25	25	21.28	21.30	21.31	22.5	0		
10	16QAM	50	0	21.28	21.29	21.31				
10	16QAM	1	49	21.45	21.45	21.46				
10	16QAM	1	25	21.45	21.44	21.47				
10	64QAM	1	49	21.60	21.60	21.56	22.5	0		
10	64QAM	25	0	20.28	20.28	20.27				
10	64QAM	25	12	20.28	20.25	20.28				
10	64QAM	25	25	20.28	20.30	20.31				
10	64QAM	50	0	20.27	20.30	20.30	22.5	1		
Channel				23790	23790	23790				
Frequency (MHz)				106.5	710	23800				
5	QPSK	1	0	21.78	21.85	21.77			22.5	0
5	QPSK	1	12	21.64	21.84	21.73				
5	QPSK	1	24	21.68	21.77	21.79				
5	QPSK	12	0	21.82	21.81	21.88				
5	QPSK	12	7	21.84	21.84	21.75	22.5	0		
5	QPSK	12	13	21.78	21.86	21.79				
5	QPSK	24	0	21.82	21.79	21.84				
5	16QAM	1	0	21.82	21.79	21.79				
5	16QAM	1	12	21.74	21.69	21.80	22.5	0		
5	16QAM	24	0	21.78	21.87	21.84				
5	16QAM	12	1	21.20	21.21	21.14				
5	16QAM	12	7	21.21	21.25	21.28				
5	16QAM	12	13	21.27	21.25	21.22	22.5	0		
5	16QAM	24	0	21.24	21.24	21.24				
5	64QAM	1	0	21.33	21.32	21.41				
5	64QAM	1	12	21.37	21.40	21.45				
5	64QAM	1	24	21.58	21.52	21.49	22.5	0		
5	64QAM	12	0	20.15	20.15	20.12				
5	64QAM	12	7	20.19	20.20	20.25				
5	64QAM	12	13	20.28	20.28	20.25				
5	64QAM	24	0	20.28	20.28	20.25	21.5	1		

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				831.5	831.5	841.5			
15	QPSK	1	0	23.87	23.88	23.83			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.76	22.80	22.75			
15	QPSK	36	20	22.80	22.82	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	15	0	22.76	22.80	22.77			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	15	0	21.86	21.83	21.80			
15	16QAM	1	0	21.99	21.94	22.00			
15	16QAM	1	37	22.03	21.98	21.90	22.8	2	
15	16QAM	1	74	21.95	21.89	21.85			
15	16QAM	36	0	20.85	20.83	20.78			
15	16QAM	36	20	20.87	20.85	20.78	21.8	3	
15	16QAM	36	39	20.83	20.83	20.75			
15	16QAM	15	0	20.74	20.69	20.69			
Channel				819	831.5	844	Turn-up limt (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.76	24.8	0	
10	QPSK	1	48	23.71	23.69	23.68			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.85			
10	QPSK	50	0	22.66	22.71	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	48	22.93	22.85	22.81			
10	16QAM	25	0	21.74	21.80	21.85			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.68	21.73	21.87			
10	16QAM	50	0	21.73	21.77	21.88			
10	16QAM	1	0	21.84	21.87	21.84			
10	16QAM	1	25	21.98	21.83	21.84	22.8	2	
10	16QAM	1	48	21.82	21.79	21.81			
10	16QAM	25	0	20.70	20.73	20.67			
10	16QAM	25	12	20.78	20.82	20.83	21.8	3	
10	16QAM	25	25	20.67	20.70	20.68			
10	16QAM	50	0	20.81	20.80	20.85			
Channel									
Frequency (MHz)				26715	26865	27015	Turn-up limt (dBm)	MPR (dB)	
				816.5	831.5	846.5			
5	QPSK	1	0	23.84	23.79	23.80			
5	QPSK	1	12	23.83	23.72	23.75	24.8	0	
5	QPSK	1	24	23.76	23.68	23.56			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	7	22.76	22.86	22.88	23.8	1	
5	QPSK	12	14	22.72	22.78	22.81			
5	QPSK	25	0	22.67	22.81	22.73			
5	16QAM	1	0	23.08	22.94	22.93			
5	16QAM	1	12	22.99	22.90	22.81	23.8	1	
5	16QAM	1	24	22.96	22.93	22.91			
5	16QAM	12	0	21.82	21.77	21.82			
5	16QAM	12	7	21.76	21.81	21.72	22.8	2	
5	16QAM	12	14	21.82	21.79	21.81			
5	16QAM	25	0	21.73	21.69	21.76			
5	16QAM	1	0	21.91	21.90	21.91	22.8	2	
5	16QAM	1	12	21.85	21.82	21.82			
5	16QAM	1	24	21.87	21.74	21.78			
5	16QAM	12	0	20.76	20.76	20.84			
5	16QAM	12	7	20.75	20.80	20.84	21.8	3	
5	16QAM	12	14	20.73	20.73	20.78			
5	16QAM	25	0	20.81	20.82	20.89			
Channel									
Frequency (MHz)				26705	26865	27025	Turn-up limt (dBm)	MPR (dB)	
				815.5	831.5	847.5			
3	QPSK	1	0	23.71	23.74	23.76			
3	QPSK	1	14	23.74	23.79	23.77	24.8	0	
3	QPSK	1	14	23.75	23.69	23.57			
3	QPSK	8	0	22.72	22.81	22.76			
3	QPSK	8	4	22.76	22.73	22.83	23.8	1	
3	QPSK	8	7	22.74	22.79	22.70			
3	QPSK	15	0	22.67	22.76	22.85			
3	16QAM	1	0	22.97	22.89	22.85	23.8	1	
3	16QAM	1	8	23.09	23.00	22.96			
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.75	21.69			
3	16QAM	8	4	21.75	21.79	21.70	22.8	2	
3	16QAM	8	7	21.69	21.73	21.59			
3	16QAM	15	0	21.76	21.73	21.67			
3	16QAM	1	0	21.94	21.79	21.86	22.8	2	
3	16QAM	1	8	21.90	21.83	21.81			
3	16QAM	1	14	21.80	21.82	21.81			
3	16QAM	8	0	20.76	20.73	20.68			
3	16QAM	8	4	20.83	20.79	20.75	21.8	3	
3	16QAM	8	7	20.80	20.72	20.84			
3	16QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)				26697	26865	27033	Turn-up limt (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.86	23.80	23.85			
1.4	QPSK	1	3	23.82	23.75	23.85			
1.4	QPSK	1	5	23.86	23.80	23.71	24.8	0	
1.4	QPSK	3	0	23.84	23.77	23.79			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	3	23.84	23.76	23.70			
1.4	QPSK	6	0	22.63	22.77	22.68	23.8	1	
1.4	16QAM	1	0	23.06	23.06	22.93			
1.4	16QAM	1	3	23.06	23.00	22.94			
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1	
1.4	16QAM	3	0	22.80	22.76	22.69			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	3	22.84	22.74	22.70			
1.4	16QAM	6	0	21.89	21.85	21.78	22.8	2	
1.4	16QAM	1	0	21.97	21.96	21.95			
1.4	16QAM	1	3	21.96	21.91	21.85			
1.4	16QAM	1	5	22.01	21.99	21.91	22.8	2	
1.4	16QAM	3	0	21.86	21.86	21.79			
1.4	16QAM	3	1	21.93	21.87	21.79			
1.4	16QAM	3	3	21.92	21.86	21.79			
1.4	16QAM	6	0	20.79	20.74	20.67	21.8	3	

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
				821.5	831.5	841.5			
15	QPSK	1	0	23.90	23.92	23.88			
15	QPSK	1	37	23.78	23.87	23.75	22.6	0	
15	QPSK	1	74	23.80	23.91	23.75			
15	QPSK	36	0	21.81	21.88	21.78			
15	QPSK	36	20	21.81	21.81	21.83	22.6	0	
15	QPSK	36	39	21.82	21.81	21.75			
15	QPSK	15	0	21.80	21.82	21.81			
15	16QAM	1	0	21.83	21.77	21.86			
15	16QAM	1	37	21.76	21.90	21.78	22.6	0	
15	16QAM	1	74	21.77	21.86	21.79			
15	16QAM	36	0	21.62	21.50	21.76			
15	16QAM	36	20	21.85	21.81	21.83	22.6	0	
15	16QAM	36	39	21.78	21.91	21.87			
15	16QAM	15	0	21.87	21.79	21.84			
15	16QAM	1	0	21.86	21.91	21.77			
15	16QAM	1	37	21.76	21.78	21.81	22.6	0	
15	16QAM	1	74	21.88	21.79	21.84			
15	16QAM	36	0	20.86	20.87	20.78			
15	16QAM	36	20	20.92	20.87	20.82	21.6	1	
15	16QAM	36	39	20.85	20.86	20.78			
15	16QAM	15	0	20.87	20.85	20.78			
Channel									
Frequency (MHz)				26745	26865	26995	Turn-up limt (dBm)	MPR (dB)	
				819	831.5	844			
10	QPSK	1	0	21.81	21.91	21.77			
10	QPSK	1	25	21.71	21.76	21.61	22.6	0	
10	QPSK	1	48	21.69	21.69	21.63			
10	QPSK	25	0	21.70	21.86	21.74			
10	QPSK	25	12	21.77	21.68	21.72	22.6	0	
10	QPSK	25	39	21.68	21.69	21.70			
10	QPSK	50	0	21.72	21.78	21.75			
10	16QAM	1	0	21.73	21.75	21.73			
10	16QAM	1	25	21.68	21.69	21.63	22.6	0	
10	16QAM	1	48	21.68	21.77	21.74			
10	16QAM	25	0	21.70	21.84	21.61			
10	16QAM	25	12	21.67	21.71	21.74	22.6	0	
10	16QAM	25	39	21.68	21.73	21.74			
10	16QAM	50	0	21.71	21.88	21.73			
10	16QAM	1	0	21.71	21.80	21.70			
10	16QAM	1	25	21.70	21.76	21.69	22.6	0	
10	16QAM	1	48	21.71	21.78	21.62			
10	16QAM	25	0	20.92	20.81	20.64			
10	16QAM	25	12	20.84	20.74	20.75	21.6	1	
10	16QAM	25	39	20.75	20.73	20.74			
10	16QAM	50	0	20.75	20.76	20.71			
Channel									
Frequency (MHz)				26715	26865	27015	Turn-up limt (dBm)	MPR (dB)	
				816.5	831.5	846.5			
5	QPSK	1	0	21.89	21.87	21.78			
5	QPSK	1	25	21.79	21.76	21.61	22.6	0	
5	QPSK	1	24	21.72	21.84	21.70			
5	QPSK	12	0	21.76	21.79	21.82			
5	QPSK	12	7	21.76	21.79	21.76	22.6	0	
5	QPSK	12	14	21.76	21.79	21.73			
5	QPSK	25	0	21.74	21.71	21.77			
5	16QAM	1	0	21.88	21.67	21.78			
5	16QAM	1	25	21.67	21.67	21.63	22.6	0	
5	16QAM	1	24	21.63	21.77	21.65			
5	16QAM	12	0	21.77	21.62	21.64			
5	16QAM	12	7	21.88	21.77	21.76	22.6	0	
5	16QAM	12	14	21.77	21.78	21.73			
5	16QAM	25	0	21.72	21.78	21.78			
5	16QAM	1	0	21.81	21.79	21.67			
5	16QAM	1	12	21.63	21.66	21.73	22.6	0	
5	16QAM	1	14	21.77	21.78	21.73			
5	16QAM	12	0	20.73	20.81	20.77			
5	16QAM	12	7	20.87	20.78	20.81	21.6	1	
5	16QAM	12	14	20.78	20.76	20.78			
5	16QAM	25	0	20.72	20.74	20.68			
Channel									
Frequency (MHz)				26705	26865	27025	Turn-up limt (dBm)	MPR (dB)	
				815.5	831.5	847.5			
3	QPSK	1	0	21.78	21.82	21.80			
3	QPSK	1	14	21.76	21.86	21.69	22.6	0	
3	QPSK	8	0	21.73	21.76	21.75			
3	QPSK	8	4	21.67	21.70	21.62	22.6	0	
3	QPSK	8	8	21.68	21.68	21.64			
3	QPSK	15	0	21.68	21.70	21.78			
3	16QAM	1	0	21.78	21.76	21.74			
3	16QAM	1	14	21.70	21.77	21.64	22.6	0	
3	16QAM	8	4	21.79	21.80	21.71	22.6	0	
3	16QAM	8	8	21.78	21.79	21.74			
3	16QAM	15	0	21.73	21.79	21.74			
3	16QAM	1	0	21.84	21.85	21.69			
3	16QAM	1	14	21.67	21.74	21.60	22.6	0	
3	16QAM	8	0	21.79	21.72	21.84			
3	16QAM	8	4	21.76	21.76	21.64			
3	16QAM	8	8	21.78	21.79	20.75			
3	16QAM	15	0	21.73	21.79	21.74			
3	16QAM	1	0	20.78	20.79	20.75	21.6	1	
3	16QAM	8	4	20.84	20.77	20.73			
3	16QAM	15	0	20.78	20.79	20.75			
Channel									
Frequency (MHz)				26697	26865	27035	Turn-up limt (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	21.80	21.79	21.85			
1.4	QPSK	1	14	21.76	21.77	21.68	22.6	0	
1.4	QPSK	1	5	21.71	21.82	21.62			
1.4	QPSK	3	0	21.83	21.80	21.83			
1.4	QPSK	3	1	21.63	21.81	21.58	22.6	0	
1.4	QPSK	3	14	21.79	21.89	21.72			
1.4	QPSK	6	0	21.75	21.82	21.81	22.6	0	
1.4	16QAM	1	0	21.77	21.66	21.75			
1.4	16QAM	1	14	21.67	21.67	21.64	22.6	0	
1.4	16QAM	1	5	21.74	21.77	21.66			
1.4	16QAM	3	0	21.69	21.81	21.68			
1.4	16QAM	3	1	21.68	21.81	21.66	22.6	0	
1.4	16QAM	3	14	21.72	21.73	21.71			
1.4	16QAM	6	0	21.74	21.81	21.63	22.6	0	
1.4	16QAM	1	0	21.87	21.71	21.78			
1.4	16QAM	1	3	21.68	21.86	21.79			
1.4	16QAM	1	14	21.82	21.73	21.71	22.6	0	
1.4	16QAM	3	0	21.81	21.76	21.89			
1.4	16QAM	3	1	21.72	21.74	21.77			
1.4	16QAM	3	14	21.80	21.72	21.69	22.6	0	
1.4	16QAM	6	0	20.72	20.72	20.72	21.6	1	

Band 66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mask 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	22.03	22.06	21.99			
20	QPSK	1	49	21.81	22.04	21.98	22.2	0	
20	QPSK	1	98	21.82	21.98	21.92			
20	QPSK	50	0	21.91	21.95	21.91			
20	QPSK	50	24	21.82	21.88	21.90	22.2	0	
20	QPSK	50	50	21.81	21.80	21.86			
20	QPSK	100	0	21.90	21.92	21.87			
20	16QAM	1	0	21.93	21.90	21.95			
20	16QAM	1	49	21.94	22.00	21.89	22.2	0	
20	16QAM	1	98	21.93	21.88	22.01			
20	16QAM	50	0	20.93	20.88	20.95			
20	16QAM	50	24	20.89	20.90	20.89	21.2	1	
20	16QAM	50	50	20.81	20.81	20.85			
20	16QAM	100	0	20.89	20.84	20.95			
20	64QAM	1	0	21.07	21.08	21.03			
20	64QAM	1	49	21.05	21.04	21.04	21.2	1	
20	64QAM	1	98	20.89	20.89	20.94			
20	64QAM	50	0	19.84	19.90	19.82			
20	64QAM	50	24	19.92	19.89	19.90	20.2	2	
20	64QAM	50	50	19.85	19.81	19.85			
20	64QAM	100	0	19.91	19.85	19.85			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.95	21.97	21.86			
15	QPSK	1	97	21.79	21.87	21.91	22.2	0	
15	QPSK	1	14	21.81	21.80	21.82			
15	QPSK	36	0	21.88	21.82	21.80			
15	QPSK	36	20	21.85	21.82	21.85	22.2	0	
15	QPSK	36	36	21.87	21.69	21.83			
15	QPSK	75	0	21.79	21.87	21.82			
15	16QAM	1	0	21.73	21.95	21.94			
15	16QAM	1	97	21.80	21.78	21.85	22.2	0	
15	16QAM	1	14	21.82	21.85	21.73			
15	16QAM	36	0	20.85	20.73	20.78			
15	16QAM	36	20	20.82	20.75	20.75	21.2	1	
15	16QAM	36	36	20.77	20.69	20.76			
15	16QAM	75	0	20.81	20.80	20.82			
15	64QAM	1	0	20.82	20.93	20.91			
15	64QAM	1	97	21.00	20.95	20.96	21.2	1	
15	64QAM	1	14	20.80	20.82	20.91			
15	64QAM	36	0	19.84	19.85	19.87			
15	64QAM	36	20	19.79	19.76	19.88	20.2	2	
15	64QAM	36	36	19.76	19.75	19.74			
15	64QAM	75	0	19.84	19.76	19.75			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	21.88	21.96	21.88			
10	QPSK	1	24	21.81	21.76	21.98	22.2	0	
10	QPSK	1	49	21.79	21.73	21.89			
10	QPSK	25	0	21.87	21.79	21.89			
10	QPSK	25	12	21.81	21.73	21.80	22.2	0	
10	QPSK	25	25	21.77	21.74	21.81			
10	QPSK	50	0	21.75	21.81	21.88			
10	16QAM	1	0	21.68	21.89	21.91			
10	16QAM	1	24	21.65	21.91	21.78	22.2	0	
10	16QAM	1	49	21.77	21.76	21.71			
10	16QAM	25	0	20.92	20.87	20.76			
10	16QAM	25	12	20.88	20.87	20.78	21.2	1	
10	16QAM	25	25	20.69	20.75	20.85			
10	16QAM	50	0	20.81	20.71	20.73			
10	64QAM	1	0	21.03	21.03	20.89			
10	64QAM	1	24	20.90	20.96	20.92	21.2	1	
10	64QAM	1	49	20.88	20.82	20.99			
10	64QAM	25	0	19.93	19.82	19.88			
10	64QAM	25	12	19.81	19.83	19.85	20.2	2	
10	64QAM	25	25	19.83	19.80	19.75			
10	64QAM	50	0	19.78	19.81	19.84			
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	21.84	21.88	21.88			
5	QPSK	1	12	21.84	21.76	21.91	22.2	0	
5	QPSK	1	24	21.80	21.75	21.83			
5	QPSK	12	0	21.85	21.79	21.84			
5	QPSK	12	7	21.81	21.85	21.80	22.2	0	
5	QPSK	12	13	21.71	21.71	21.72			
5	QPSK	25	0	21.75	21.85	21.77			
5	16QAM	1	0	21.75	21.85	21.82			
5	16QAM	1	12	21.80	21.75	21.82	22.2	0	
5	16QAM	1	24	21.87	21.85	21.95			
5	16QAM	12	0	20.85	20.77	20.77			
5	16QAM	12	7	20.85	20.75	20.78	21.2	1	
5	16QAM	12	13	20.72	20.68	20.77			
5	16QAM	25	0	20.76	20.78	20.73			
5	64QAM	1	0	20.98	20.93	20.89			
5	64QAM	1	12	20.91	21.00	20.99	21.2	1	
5	64QAM	1	24	20.82	20.84	20.88			
5	64QAM	12	0	19.85	19.75	19.82			
5	64QAM	12	7	19.85	19.84	19.90	20.2	2	
5	64QAM	12	13	19.82	19.80	19.75			
5	64QAM	25	0	19.90	19.73	19.78			
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1777.5			
3	QPSK	1	0	21.87	21.90	21.84			
3	QPSK	1	8	21.89	21.90	21.98	22.2	0	
3	QPSK	1	14	21.77	21.86	21.85			
3	QPSK	8	0	21.87	21.82	21.99			
3	QPSK	8	4	21.86	21.84	21.78	22.2	0	
3	QPSK	8	7	21.71	21.76	21.80			
3	16QAM	1	0	21.89	21.86	21.87			
3	16QAM	1	8	21.79	21.72	21.92	22.2	0	
3	16QAM	1	14	21.88	21.86	21.86			
3	16QAM	8	0	20.82	20.74	20.80			
3	16QAM	8	4	20.76	20.89	20.77	21.2	1	
3	16QAM	8	7	20.71	20.70	20.72			
3	16QAM	15	0	20.85	20.71	20.85			
3	64QAM	1	0	21.04	20.95	21.02			
3	64QAM	1	8	21.01	20.98	20.99	21.2	1	
3	64QAM	1	14	20.82	20.76	20.82			
3	64QAM	8	0	19.84	19.86	19.78			
3	64QAM	8	4	19.87	19.87	19.85	20.2	2	
3	64QAM	8	7	19.78	19.66	19.83			
3	64QAM	15	0	19.77	19.70	19.87			
Channel				131919	132322	132693	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	21.90	21.78	21.81			
1.4	QPSK	1	3	21.87	21.81	21.81			
1.4	QPSK	1	6	21.92	21.79	21.87	22.2	0	
1.4	QPSK	3	0	21.82	21.87	21.79			
1.4	QPSK	3	1	21.84	21.76	21.78			
1.4	QPSK	3	3	21.82	21.72	21.75			
1.4	QPSK	6	0	21.77	21.79	21.78	22.2	0	
1.4	16QAM	1	0	21.88	21.87	21.85			
1.4	16QAM	1	3	21.73	21.79	21.93			
1.4	16QAM	1	6	21.83	21.74	21.85	22.2	0	
1.4	16QAM	3	0	21.86	21.79	21.79			
1.4	16QAM	3	1	21.88	21.80	21.80			
1.4	16QAM	3	3	21.85	21.77	21.79			
1.4	16QAM	6	0	20.93	20.86	20.98	21.2	1	
1.4	64QAM	1	0	21.04	21.00	20.98			
1.4	64QAM	1	3	20.99	20.98	20.93			
1.4	64QAM	1	6	21.02	20.99	20.98	21.2	1	
1.4	64QAM	3	0	21.01	20.91	20.90			
1.4	64QAM	3	1	20.97	20.88	20.90			
1.4	64QAM	3	3	20.94	20.90	20.90			
1.4	64QAM	6	0	19.85	19.77	19.78	20.2	2	

Band 38_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	24.3	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.72	23.77	23.70			
20	QPSK	1	49	23.66	23.75	23.69			
20	QPSK	1	99	23.62	23.72	23.65	23.3	1	
20	QPSK	50	0	22.72	22.75	22.73			
20	QPSK	50	24	22.70	22.68	22.71			
20	QPSK	50	50	22.71	22.70	22.72			
20	QPSK	100	0	22.71	22.74	22.69	23.3	1	
20	16QAM	1	0	22.70	22.64	22.67			
20	16QAM	1	49	22.84	22.83	22.81			
20	16QAM	1	99	22.77	22.79	22.77			
20	16QAM	50	0	21.77	21.73	21.74	22.3	2	
20	16QAM	50	24	21.80	21.77	21.79			
20	16QAM	50	50	21.78	21.76	21.78			
20	16QAM	100	0	21.77	21.75	21.77			
20	64QAM	1	0	21.48	21.43	21.44	22.3	2	
20	64QAM	1	49	21.56	21.52	21.56			
20	64QAM	1	99	21.55	21.52	21.56			
20	64QAM	50	0	20.74	20.69	20.74			
20	64QAM	50	24	20.78	20.77	20.77	21.3	3	
20	64QAM	50	50	20.79	20.76	20.77			
20	64QAM	100	0	20.77	20.73	20.76			
Channel				37825	38000	38175	24.3	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.64	23.65	23.62			
15	QPSK	1	37	23.62	23.66	23.63			
15	QPSK	1	74	23.61	23.65	23.59	23.3	1	
15	QPSK	36	0	22.65	22.67	22.67			
15	QPSK	36	20	22.56	22.60	22.60			
15	QPSK	36	39	22.60	22.67	22.66			
15	QPSK	75	0	22.69	22.67	22.66	23.3	1	
15	16QAM	1	0	22.60	22.58	22.59			
15	16QAM	1	37	22.72	22.68	22.78			
15	16QAM	1	74	22.64	22.76	22.75			
15	16QAM	36	0	21.74	21.60	21.71	22.3	2	
15	16QAM	36	20	21.70	21.64	21.77			
15	16QAM	36	39	21.64	21.73	21.68			
15	16QAM	75	0	21.75	21.60	21.73			
15	64QAM	1	0	21.33	21.35	21.39	22.3	2	
15	64QAM	1	37	21.50	21.42	21.43			
15	64QAM	1	74	21.50	21.45	21.44			
15	64QAM	36	0	20.71	20.55	20.63			
15	64QAM	36	20	20.68	20.72	20.65	21.3	3	
15	64QAM	36	39	20.73	20.61	20.73			
15	64QAM	75	0	20.72	20.59	20.66			
Channel				37800	38000	38200	24.3	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.62	23.73	23.56			
10	QPSK	1	25	23.55	23.64	23.59			
10	QPSK	1	49	23.57	23.68	23.50	23.3	1	
10	QPSK	25	0	22.70	22.72	22.71			
10	QPSK	25	12	22.55	22.67	22.70			
10	QPSK	25	25	22.61	22.56	22.68			
10	QPSK	50	0	22.57	22.70	22.67	23.3	1	
10	16QAM	1	0	22.55	22.57	22.57			
10	16QAM	1	25	22.78	22.72	22.68			
10	16QAM	1	49	22.69	22.70	22.73			
10	16QAM	25	0	21.66	21.61	21.66	22.3	2	
10	16QAM	25	12	21.79	21.67	21.75			
10	16QAM	25	25	21.68	21.67	21.65			
10	16QAM	50	0	21.75	21.73	21.72			
10	64QAM	1	0	21.35	21.31	21.32	22.3	2	
10	64QAM	1	25	21.44	21.48	21.44			
10	64QAM	1	49	21.52	21.39	21.53			
10	64QAM	25	0	20.60	20.57	20.61			
10	64QAM	25	12	20.75	20.73	20.75	21.3	3	
10	64QAM	25	25	20.66	20.75	20.68			
10	64QAM	50	0	20.75	20.67	20.61			
Channel				37775	38000	38225	24.3	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.60	23.69	23.55			
5	QPSK	1	12	23.51	23.61	23.57			
5	QPSK	1	24	23.57	23.71	23.61	23.3	1	
5	QPSK	12	0	22.67	22.69	22.59			
5	QPSK	12	7	22.57	22.58	22.62			
5	QPSK	12	13	22.59	22.59	22.62			
5	QPSK	25	0	22.58	22.71	22.68	23.3	1	
5	16QAM	1	0	22.59	22.56	22.55			
5	16QAM	1	12	22.76	22.72	22.67			
5	16QAM	1	24	22.76	22.67	22.65			
5	16QAM	12	0	21.76	21.70	21.70	22.3	2	
5	16QAM	12	7	21.76	21.68	21.76			
5	16QAM	12	13	21.76	21.65	21.77			
5	16QAM	25	0	21.75	21.60	21.66			
5	64QAM	1	0	21.42	21.36	21.41	22.3	2	
5	64QAM	1	12	21.47	21.44	21.41			
5	64QAM	1	24	21.53	21.50	21.43			
5	64QAM	12	0	20.67	20.65	20.67			
5	64QAM	12	7	20.72	20.70	20.74	21.3	3	
5	64QAM	12	13	20.74	20.61	20.72			
5	64QAM	25	0	20.71	20.69	20.71			

Band 38_Ant 3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)				
Channel				37850	38000	38150	21.1	0				
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	20.85	20.88	20.83				21.1	0	
20	QPSK	1	49	20.82	20.76	20.74						
20	QPSK	1	99	20.79	20.86	20.74						
20	QPSK	50	0	20.80	20.86	20.76						
20	QPSK	50	24	20.76	20.76	20.73	21.1	0				
20	QPSK	50	50	20.73	20.85	20.70						
20	QPSK	100	0	20.71	20.81	20.70						
20	16QAM	1	0	20.83	20.76	20.78						
20	16QAM	1	49	20.76	20.81	20.82	21.1	0				
20	16QAM	1	99	20.79	20.78	20.77						
20	16QAM	50	0	20.81	20.85	20.75						
20	16QAM	50	24	20.77	20.80	20.89						
20	16QAM	50	50	20.81	20.85	20.71	21.1	0				
20	16QAM	100	0	20.71	20.78	20.74						
20	64QAM	1	0	20.71	20.74	20.75						
20	64QAM	1	49	20.71	20.82	20.70						
20	64QAM	1	99	20.83	20.78	20.89	21.1	0				
20	64QAM	50	0	20.42	20.34	20.32						
20	64QAM	50	24	20.44	20.39	20.37						
20	64QAM	50	50	20.43	20.37	20.35						
20	64QAM	100	0	20.42	20.36	20.35	20.6	0.5				
Channel				37825 <th>38000</th> <th>38175</th>	38000	38175						
Frequency (MHz)				2577.5 <th>2595<th>2612.5</th></th>	2595 <th>2612.5</th>	2612.5						
15	QPSK	1	0	20.80	20.82	20.89				21.1	0	
15	QPSK	1	37	20.74	20.69	20.61						
15	QPSK	1	74	20.68	20.82	20.69						
15	QPSK	36	0	20.67	20.80	20.73						
15	QPSK	36	20	20.71	20.62	20.63	21.1	0				
15	QPSK	36	39	20.71	20.82	20.64						
15	QPSK	75	0	20.67	20.76	20.58						
15	16QAM	1	0	20.73	20.70	20.64						
15	16QAM	1	37	20.63	20.78	20.71	21.1	0				
15	16QAM	1	74	20.71	20.73	20.70						
15	16QAM	36	0	20.69	20.71	20.64						
15	16QAM	36	20	20.73	20.62	20.63						
15	16QAM	36	39	20.69	20.75	20.69	21.1	0				
15	16QAM	75	0	20.69	20.75	20.59						
15	64QAM	1	0	20.68	20.73	20.73						
15	64QAM	1	37	20.70	20.70	20.59						
15	64QAM	1	74	20.71	20.70	20.55	21.1	0				
15	64QAM	36	0	20.36	20.70	20.55						
15	64QAM	36	20	20.37	20.28	20.35						
15	64QAM	36	39	20.34	20.24	20.28						
15	64QAM	75	0	20.39	20.25	20.33	20.6	0.5				
Channel				37800 <th>38000</th> <th>38200</th>	38000	38200						
Frequency (MHz)				2575 <th>2595<th>2615</th></th>	2595 <th>2615</th>	2615						
10	QPSK	1	0	20.73	20.84	20.72				21.1	0	
10	QPSK	1	25	20.73	20.85	20.62						
10	QPSK	1	49	20.72	20.85	20.62						
10	QPSK	25	0	20.73	20.85	20.73						
10	QPSK	25	12	20.73	20.63	20.67	21.1	0				
10	QPSK	25	25	20.70	20.72	20.63						
10	QPSK	50	0	20.69	20.77	20.58						
10	16QAM	1	0	20.75	20.73	20.69						
10	16QAM	1	25	20.64	20.68	20.73	21.1	0				
10	16QAM	1	49	20.68	20.71	20.63						
10	16QAM	25	0	20.74	20.72	20.69						
10	16QAM	25	12	20.74	20.75	20.66						
10	16QAM	25	25	20.70	20.74	20.66	21.1	0				
10	16QAM	50	0	20.62	20.73	20.59						
10	64QAM	1	0	20.70	20.67	20.61						
10	64QAM	1	25	20.65	20.76	20.64						
10	64QAM	1	49	20.73	20.74	20.55	21.1	0				
10	64QAM	25	0	20.30	20.20	20.22						
10	64QAM	25	12	20.32	20.22	20.22						
10	64QAM	25	25	20.31	20.23	20.20						
10	64QAM	50	0	20.29	20.23	20.23	20.6	0.5				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5 <th>2595<th>2617.5</th></th>	2595 <th>2617.5</th>	2617.5						
5	QPSK	1	0	20.75	20.87	20.78				21.1	0	
5	QPSK	1	12	20.76	20.71	20.86						
5	QPSK	1	24	20.77	20.77	20.86						
5	QPSK	12	0	20.77	20.77	20.68						
5	QPSK	12	7	20.63	20.67	20.70	21.1	0				
5	QPSK	12	13	20.59	20.73	20.67						
5	QPSK	25	0	20.59	20.68	20.61						
5	16QAM	1	0	20.74	20.67	20.63						
5	16QAM	1	12	20.74	20.67	20.72	21.1	0				
5	16QAM	1	24	20.76	20.66	20.70						
5	16QAM	12	0	20.78	20.78	20.72						
5	16QAM	12	7	20.62	20.77	20.65						
5	16QAM	12	13	20.66	20.73	20.64	21.1	0				
5	16QAM	25	0	20.60	20.71	20.60						
5	64QAM	1	0	20.69	20.61	20.60						
5	64QAM	1	12	20.68	20.73	20.59						
5	64QAM	1	24	20.78	20.69	20.61	21.1	0				
5	64QAM	12	0	20.31	20.28	20.26						
5	64QAM	12	7	20.29	20.25	20.31						
5	64QAM	12	13	20.28	20.25	20.31						
5	64QAM	25	0	20.27	20.31	20.33	20.6	0.5				

Band 41_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)				39750	40185	40620	41055	41490			
				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	24.50	24.32	24.26	24.25	24.29	24.8	0	
20	QPSK	1	49	24.45	24.30	24.24	24.20	24.22			
20	QPSK	1	99	24.47	24.32	24.09	24.15	24.16			
20	QPSK	50	0	22.10	22.05	22.03	22.00	21.96			
20	QPSK	50	50	22.05	22.08	22.05	22.02	22.04	23.8	1	
20	QPSK	100	0	22.08	22.05	22.00	21.98	21.99			
20	16QAM	1	0	22.90	22.83	22.76	22.85	22.80			
20	16QAM	1	49	23.00	22.90	22.81	22.89	22.85			
20	16QAM	1	99	23.04	22.80	22.74	22.76	22.88	22.8	2	
20	16QAM	50	0	22.05	21.85	21.83	21.83	21.84			
20	16QAM	50	24	22.12	21.85	21.82	21.84	21.90			
20	16QAM	50	50	22.11	21.89	21.90	21.91	21.89			
20	64QAM	1	0	21.73	21.52	21.55	21.53	21.63	22.6	2	
20	64QAM	1	49	21.85	21.65	21.63	21.74	21.71			
20	64QAM	1	99	21.83	21.59	21.59	21.57	21.63			
20	64QAM	50	0	21.04	20.83	20.84	20.82	20.88			
20	64QAM	50	24	21.11	20.84	20.81	20.84	20.83	21.8	3	
20	64QAM	50	50	21.12	20.86	20.86	20.86	20.88			
20	64QAM	100	0	21.09	20.85	20.82	20.89	20.96			
Channel				39725	40173	40620	41068	41515			Turn-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	24.40	24.22	24.15	24.12	24.18	24.8	0	
15	QPSK	1	37	24.31	24.17	24.19	24.12	24.11			
15	QPSK	1	74	24.40	24.21	23.97	24.06	24.10			
15	QPSK	36	0	22.08	21.94	21.95	22.02	21.95			
15	QPSK	36	20	22.07	21.91	22.02	21.99	21.83	23.8	1	
15	QPSK	36	39	22.01	21.88	21.99	22.01	22.02			
15	QPSK	75	0	21.98	21.95	21.94	21.85	21.88			
15	16QAM	1	0	22.79	22.80	22.70	22.74	22.74			
15	16QAM	1	37	22.91	22.78	22.71	22.80	22.82	22.8	1	
15	16QAM	1	74	22.93	22.85	22.64	22.74	22.82			
15	16QAM	36	0	21.91	21.71	21.77	21.76	21.78			
15	16QAM	36	20	22.01	21.79	21.89	21.90	21.85			
15	16QAM	36	39	21.97	21.87	21.78	21.88	21.83	22.8	2	
15	16QAM	75	0	22.06	21.77	21.74	21.88	21.82			
15	64QAM	1	0	21.69	21.47	21.44	21.50	21.57			
15	64QAM	1	37	21.78	21.50	21.54	21.70	21.67			
15	64QAM	1	74	21.72	21.47	21.57	21.45	21.50	21.8	3	
15	64QAM	36	0	20.99	20.78	20.84	20.71	20.85			
15	64QAM	36	20	21.00	20.80	20.86	20.82	20.88			
15	64QAM	36	39	21.06	20.78	20.80	20.84	20.77			
15	64QAM	75	0	20.94	20.74	20.67	20.78	20.85			
Channel										Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				39700	40160	40620	41080	41540			
				2501	2547	2593	2639	2685			
10	QPSK	1	0	24.48	24.25	24.18	24.14	24.18	24.8	0	
10	QPSK	1	25	24.36	24.23	24.13	24.16	24.18			
10	QPSK	1	49	24.32	24.20	23.96	24.07	24.03			
10	QPSK	25	0	22.06	22.06	22.03	21.93	21.90			
10	QPSK	25	12	21.94	21.90	21.96	21.94	21.87	23.8	1	
10	QPSK	25	25	21.98	22.07	22.02	21.98	21.97			
10	QPSK	50	0	21.96	21.95	21.98	21.86	21.96			
10	16QAM	1	0	22.80	22.79	22.63	22.81	22.69			
10	16QAM	1	25	22.94	22.84	22.78	22.88	22.76	22.8	2	
10	16QAM	1	49	23.03	22.76	22.62	22.65	22.75			
10	16QAM	25	0	22.03	21.73	21.72	21.75	21.73			
10	16QAM	25	12	22.01	21.81	21.86	21.80	21.75			
10	16QAM	25	25	21.96	21.84	21.85	21.90	21.83	22.8	2	
10	16QAM	50	0	22.06	21.77	21.82	21.75	21.75			
10	64QAM	1	0	21.64	21.46	21.53	21.49	21.60			
10	64QAM	1	25	21.75	21.60	21.53	21.73	21.62			
10	64QAM	1	49	21.74	21.55	21.44	21.47	21.54	21.8	3	
10	64QAM	25	0	20.90	20.71	20.86	20.75	20.80			
10	64QAM	25	12	21.02	20.82	20.77	20.79	20.71			
10	64QAM	25	25	20.99	20.79	20.76	20.72	20.76			
10	64QAM	50	0	20.97	20.79	20.90	20.78	20.91			
Channel										Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				39675	40140	40620	41093	41565			
				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	24.41	24.19	24.13	24.20	24.18	24.8	0	
5	QPSK	1	12	24.31	24.24	24.13	24.19	24.12			
5	QPSK	1	24	24.40	24.12	24.08	24.09	24.06			
5	QPSK	12	0	22.01	21.98	22.00	22.03	21.99			
5	QPSK	12	7	21.98	21.98	21.93	21.92	21.92	23.8	1	
5	QPSK	12	13	21.94	22.05	21.93	21.96	21.96			
5	QPSK	25	0	22.05	21.96	21.92	21.97	21.91			
5	16QAM	1	0	22.79	22.71	22.69	22.70	22.76			
5	16QAM	1	12	22.94	22.78	22.68	22.76	22.74	23.8	1	
5	16QAM	1	24	22.98	22.71	22.72	22.67	22.77			
5	16QAM	12	0	21.95	21.73	21.78	21.78	21.74			
5	16QAM	12	7	22.10	21.83	21.78	21.84	21.82			
5	16QAM	12	13	21.99	21.81	21.82	21.78	21.85	22.8	2	
5	16QAM	25	0	22.03	21.81	21.85	21.78	21.70			
5	64QAM	1	0	21.67	21.38	21.45	21.41	21.48			
5	64QAM	1	12	21.78	21.62	21.61	21.67	21.59			
5	64QAM	1	24	21.76	21.51	21.53	21.46	21.58	21.8	3	
5	64QAM	12	0	20.95	20.76	20.87	20.76	20.80			
5	64QAM	12	7	20.97	20.69	20.70	20.73	20.75			
5	64QAM	12	13	21.06	20.83	20.73	20.72	20.82			
5	64QAM	25	0	21.07	20.73	20.91	20.79	20.93			

Band 41_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.	Turn-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.28	21.19	21.27	21.25	21.20	21.3	0
20	QPSK	1	49	21.22	21.18	21.23	21.20	21.17		
20	QPSK	1	99	21.22	21.11	21.16	21.20	21.05		
20	QPSK	50	0	21.25	21.15	21.20	21.22	21.18		
20	QPSK	50	24	21.13	21.07	21.15	21.07	21.17	21.3	0
20	QPSK	50	50	21.16	21.10	21.11	21.18	21.13		
20	QPSK	100	0	21.26	21.00	21.15	21.17	21.04		
20	16QAM	1	0	21.19	21.01	21.07	21.21	21.11	21.3	0
20	16QAM	1	49	21.23	21.02	21.17	21.16	21.15		
20	16QAM	1	99	21.14	21.13	21.12	21.19	21.05		
20	16QAM	50	0	21.18	21.04	21.13	21.16	21.16		
20	16QAM	50	24	21.18	21.08	21.12	21.13	21.10	21.3	0
20	16QAM	50	50	21.18	21.11	21.06	21.17	21.03		
20	16QAM	100	0	21.18	21.00	21.12	21.11	21.09		
20	64QAM	1	0	20.81	21.00	21.11	21.08	20.83		
20	64QAM	1	49	21.03	21.15	21.18	21.11	20.93	21.3	0
20	64QAM	1	99	21.12	20.99	21.14	21.07	20.86		
20	64QAM	50	0	20.17	20.27	20.36	20.25	20.15		
20	64QAM	50	24	20.28	20.31	20.37	20.24	20.15		
20	64QAM	50	50	20.33	20.27	20.39	20.31	20.15	20.8	0.5
20	64QAM	100	0	20.27	20.25	20.36	20.23	20.15		
Channel										
Frequency (MHz)				39725	40173	40620	41068	41515	Turn-up limit (dBm)	MPR (dB)
				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.19	21.08	21.28	21.12	21.09	21.3	0
15	QPSK	1	37	21.12	21.13	21.09	21.11	21.07		
15	QPSK	1	74	21.20	21.08	21.13	21.20	20.93	21.3	0
15	QPSK	36	0	21.20	21.05	21.06	21.16	21.17		
15	QPSK	36	20	21.03	20.96	21.08	21.02	21.06		
15	QPSK	36	39	21.02	21.06	21.03	21.03	20.98		
15	QPSK	75	0	21.19	20.88	21.11	21.05	21.01	21.3	0
15	16QAM	1	0	21.12	21.00	21.02	21.19	20.99		
15	16QAM	1	37	21.14	20.97	21.07	21.07	21.14	21.3	0
15	16QAM	1	74	20.99	21.12	21.07	21.08	21.00		
15	16QAM	36	0	21.09	20.91	21.01	21.05	21.06		
15	16QAM	36	20	21.11	21.08	21.01	21.01	21.01		
15	16QAM	36	39	21.06	21.10	21.04	21.13	20.96	21.3	0
15	16QAM	75	0	21.06	20.82	21.11	21.01	20.95		
15	64QAM	1	0	20.75	20.85	21.10	21.01	20.69		
15	64QAM	1	37	20.84	21.14	21.09	21.06	20.86	21.3	0
15	64QAM	1	74	21.11	21.09	21.05	21.11	21.01		
15	64QAM	36	0	20.09	20.15	20.35	20.22	20.03		
15	64QAM	36	20	20.24	20.30	20.27	20.09	20.04		
15	64QAM	36	39	20.21	20.17	20.34	20.26	20.14	20.8	0.5
15	64QAM	75	0	20.24	20.21	20.33	20.10	20.09		
Channel										
Frequency (MHz)				39700	40160	40620	41080	41540	Turn-up limit (dBm)	MPR (dB)
				2501	2547	2595	2639	2685		
10	QPSK	1	0	21.21	21.06	21.19	21.11	21.13	21.3	0
10	QPSK	1	25	21.21	21.03	21.16	21.19	21.02	21.3	0
10	QPSK	1	49	21.16	20.96	21.09	21.14	20.95		
10	QPSK	25	0	21.12	21.02	21.16	21.07	21.08		
10	QPSK	25	12	20.88	20.99	21.04	21.00	21.13	21.3	0
10	QPSK	25	25	21.09	21.01	21.09	21.03	21.04		
10	QPSK	50	0	21.13	20.95	21.13	21.12	20.92		
10	16QAM	1	0	21.08	20.90	21.00	21.10	21.05		
10	16QAM	1	25	21.14	20.98	21.13	21.08	21.07	21.3	0
10	16QAM	1	49	21.10	21.04	21.06	21.17	20.86		
10	16QAM	25	0	21.11	21.00	21.11	21.13	21.04		
10	16QAM	25	12	21.17	21.10	21.01	21.10	20.95	21.3	0
10	16QAM	25	25	21.12	21.08	21.03	21.13	20.82		
10	16QAM	50	0	21.13	20.97	21.04	21.05	21.03		
10	64QAM	1	0	20.66	20.90	21.02	20.99	20.69		
10	64QAM	1	25	20.89	21.01	21.01	21.01	20.79	21.3	0
10	64QAM	1	49	21.04	20.86	21.08	20.93	20.84		
10	64QAM	25	0	20.14	20.16	20.27	20.16	20.14		
10	64QAM	25	12	20.15	20.19	20.32	20.14	20.14	20.8	0.5
10	64QAM	25	25	20.19	20.14	20.20	20.20	20.01		
10	64QAM	50	0	20.16	20.16	20.32	20.16	20.16		
Channel										
Frequency (MHz)				39675	40145	40620	41050	41505	Turn-up limit (dBm)	MPR (dB)
				2498.5	2545.9	2593	2640.30	2687.5		
5	QPSK	1	0	21.17	21.11	21.17	21.14	21.07	21.3	0
5	QPSK	1	12	21.19	21.03	21.11	21.08	21.12		
5	QPSK	1	24	21.08	21.03	21.12	21.13	20.84		
5	QPSK	12	0	21.15	21.09	21.15	21.05	21.07	21.3	0
5	QPSK	12	7	21.07	21.04	21.09	21.06	21.06		
5	QPSK	12	13	21.04	21.07	21.09	21.06	21.09	21.3	0
5	QPSK	25	0	21.14	20.90	21.14	21.02	20.93		
5	16QAM	1	0	21.15	20.86	21.01	21.12	21.05		
5	16QAM	1	12	21.17	20.88	21.08	21.09	21.07	21.3	0
5	16QAM	1	24	21.07	21.01	21.08	21.16	21.00		
5	16QAM	12	0	21.11	20.93	21.07	21.07	21.09		
5	16QAM	12	7	21.15	21.04	21.03	21.04	20.99	21.3	0
5	16QAM	12	13	21.08	21.10	20.92	21.08	20.99		
5	16QAM	25	0	21.14	20.86	21.10	21.02	20.93		
5	64QAM	1	0	20.71	20.99	20.97	21.03	20.79		
5	64QAM	1	12	20.88	21.01	21.05	20.97	20.84	21.3	0
5	64QAM	1	24	21.10	20.85	21.10	21.06	20.85		
5	64QAM	12	0	20.15	20.26	20.21	20.11	20.14		
5	64QAM	12	7	20.23	20.26	20.33	20.26	20.14	20.8	0.5
5	64QAM	12	13	20.14	20.19	20.24	20.19	20.19		
5	64QAM	25	0	20.19	20.18	20.23	20.17	20.11		

ENDC

Full Power Mode

Band 2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (F)	Power Mid Ch (F)	Power High Ch (F)	Tune-up limit (dBm)	MRR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.38	23.43	23.38			
20	QPSK	1	49	23.34	23.40	23.34	23.7	0	
20	QPSK	1	99	23.30	23.38	23.27			
20	QPSK	50	24	22.81	22.98	22.86	23.2	0.5	
20	QPSK	50	50	22.83	22.87	22.82			
20	QPSK	100	0	22.84	22.98	22.84			
20	16QAM	1	0	23.00	23.07	23.07			
20	16QAM	1	49	23.07	23.20	23.11	23.2	0.5	
20	16QAM	1	99	23.06	23.19	23.00			
20	16QAM	50	0	21.83	21.92	21.89			
20	16QAM	50	24	21.80	21.93	21.86	22.7	1	
20	16QAM	50	50	21.81	21.87	21.82			
20	16QAM	100	0	21.81	21.89	21.82			
20	64QAM	1	0	21.80	22.02	21.86			
20	64QAM	1	49	22.00	22.13	21.98	22.7	1	
20	64QAM	1	99	21.94	21.96	21.90			
20	64QAM	50	0	20.82	20.90	20.91			
20	64QAM	50	24	20.81	20.84	20.86	21.7	2	
20	64QAM	50	50	20.80	20.90	20.81			
20	64QAM	100	0	20.81	20.88	20.83			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.24	23.38	23.21			
15	QPSK	1	37	23.23	23.37	23.29	23.7	0	
15	QPSK	1	74	23.15	23.18	23.16			
15	QPSK	36	0	22.77	22.81	22.85			
15	QPSK	36	20	22.77	22.79	22.82	23.2	0.5	
15	QPSK	36	39	22.81	22.76	22.76			
15	QPSK	75	0	22.71	22.78	22.83			
15	16QAM	1	0	22.97	23.12	22.95			
15	16QAM	1	37	22.92	23.11	22.99	23.2	0.5	
15	16QAM	1	74	23.01	22.96	22.97			
15	16QAM	36	0	21.73	21.81	21.74			
15	16QAM	36	20	21.75	21.80	21.73	22.7	1	
15	16QAM	36	39	21.70	21.81	21.76			
15	16QAM	75	0	21.69	21.79	21.74			
15	64QAM	1	0	21.79	21.95	21.84	22.7	1	
15	64QAM	1	37	21.96	22.06	21.97			
15	64QAM	1	74	21.84	21.95	21.85			
15	64QAM	12	0	20.70	20.77	20.70	21.7	2	
15	64QAM	36	20	20.70	20.81	20.82			
15	64QAM	36	39	20.72	20.80	20.77			
15	64QAM	75	0	20.76	20.87	20.80			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.35	23.31	23.23			
10	QPSK	1	25	23.32	23.35	23.28	23.7	0	
10	QPSK	1	49	23.29	23.25	23.17			
10	QPSK	12	0	22.82	22.82	22.82	23.2	0.5	
10	QPSK	25	12	22.76	22.91	22.71			
10	QPSK	25	25	22.72	22.74	22.79			
10	QPSK	50	0	22.79	22.77	22.78			
10	16QAM	1	0	22.99	23.04	23.02			
10	16QAM	1	25	23.00	23.13	23.07	23.2	0.5	
10	16QAM	12	0	21.65	21.68	21.67			
10	16QAM	25	0	21.68	21.80	21.76	22.7	1	
10	16QAM	25	12	21.65	21.90	21.76			
10	16QAM	25	25	21.75	21.78	21.79			
10	16QAM	50	0	21.69	21.74	21.71			
10	64QAM	1	0	21.87	22.01	21.84	22.7	1	
10	64QAM	1	25	21.87	22.06	21.86			
10	64QAM	1	49	21.85	21.86	21.87			
10	64QAM	12	0	20.77	20.80	20.78	21.7	2	
10	64QAM	25	0	20.73	20.90	20.88			
10	64QAM	25	12	20.73	20.81	20.88			
10	64QAM	50	0	20.73	20.74	20.88			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.28	23.31	23.24			
5	QPSK	1	12	23.21	23.26	23.19	23.7	0	
5	QPSK	1	24	23.25	23.31	23.12			
5	QPSK	12	0	22.75	22.84	22.81			
5	QPSK	12	7	22.73	22.87	22.73	23.2	0.5	
5	QPSK	12	13	22.75	22.78	22.76			
5	QPSK	25	0	22.69	22.84	22.81			
5	16QAM	1	0	22.92	23.08	22.96			
5	16QAM	1	12	23.00	23.06	23.04	23.2	0.5	
5	16QAM	1	24	23.04	23.08	23.07			
5	16QAM	12	0	21.70	21.90	21.78			
5	16QAM	12	7	21.70	21.87	21.72	22.7	1	
5	16QAM	12	13	21.76	21.87	21.73			
5	16QAM	25	0	21.66	21.88	21.73			
5	64QAM	1	0	21.80	22.01	21.88			
5	64QAM	1	12	21.87	22.06	21.90	22.7	1	
5	64QAM	1	24	21.80	21.98	21.80			
5	64QAM	12	0	20.79	20.87	20.78	21.7	2	
5	64QAM	12	7	20.70	20.80	20.79			
5	64QAM	12	13	20.75	20.85	20.74			
5	64QAM	25	0	20.75	20.73	20.70	21.7	2	
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.23	23.26	23.22			
3	QPSK	1	8	23.26	23.29	23.27	23.7	0	
3	QPSK	1	14	23.18	23.20	23.21			
3	QPSK	8	0	22.75	22.88	22.88	23.2	0.5	
3	QPSK	8	4	22.72	22.80	22.78			
3	QPSK	8	7	22.79	22.78	22.78			
3	QPSK	15	0	22.82	22.83	22.72			
3	16QAM	1	0	22.99	23.16	23.01			
3	16QAM	12	8	22.97	23.13	23.00	23.2	0.5	
3	16QAM	1	14	22.96	22.99	22.96			
3	16QAM	8	0	21.74	21.86	21.76			
3	16QAM	8	4	21.86	21.95	21.87	22.7	1	
3	16QAM	8	7	21.69	21.77	21.81			
3	16QAM	15	0	21.66	21.74	21.68			
3	64QAM	1	0	21.77	21.87	21.86	22.7	1	
3	64QAM	1	8	21.85	22.02	21.88			
3	64QAM	1	14	21.79	21.85	21.82			
3	64QAM	8	0	20.78	20.84	20.79	21.7	2	
3	64QAM	8	4	20.72	20.80	20.81			
3	64QAM	8	7	20.74	20.80	20.74			
3	64QAM	15	0	20.73	20.80	20.71			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.18	23.24	23.21			
1.4	QPSK	1	3	23.12	23.24	23.19	23.7	0	
1.4	QPSK	1	5	23.10	23.23	23.23			
1.4	QPSK	3	0	23.19	23.32	23.24	23.7	0	
1.4	QPSK	3	1	23.14	23.30	23.22			
1.4	QPSK	3	3	23.12	23.33	23.24			
1.4	QPSK	6	0	22.62	22.83	22.73	23.2	0.5	
1.4	16QAM	1	0	22.86	23.08	22.96			
1.4	16QAM	1	3	22.83	23.07	22.92			
1.4	16QAM	1	5	22.81	23.03	22.93	23.2	0.5	
1.4	16QAM	3	0	22.65	22.85	22.73			
1.4	16QAM	3	1	22.64	22.80	22.71			
1.4	16QAM	3	3	22.61	22.78	22.71			
1.4	16QAM	6	0	21.69	21.88	21.79	22.7	1	
1.4	64QAM	1	0	21.78	21.98	21.88			
1.4	64QAM	1	3	21.77	21.97	21.83	22.7	1	
1.4	64QAM	1	5	21.79	22.01	21.86			
1.4	64QAM	3	0	21.75	21.95	21.82			
1.4	64QAM	3	1	21.74	21.91	21.81			
1.4	64QAM	3	3	21.71	21.90	21.82			

Band 4_Ant 3</



Band 7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up freq (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.00	21.00	21.00			
20	QPSK	1	49	22.90	23.04	23.04	23.5	0	
20	QPSK	1	99	22.91	23.00	23.05			
20	QPSK	15	0	21.00	21.00	21.00			
20	QPSK	50	24	21.78	21.80	21.89	22.5	1	
20	QPSK	50	50	21.71	21.80	21.87			
20	QPSK	100	0	21.80	21.80	21.80			
20	QPSK	1	0	21.90	22.00	22.00			
20	16QAM	1	49	21.97	22.10	22.12	22.5	1	
20	16QAM	1	99	22.02	22.12	22.11			
20	16QAM	50	0	20.61	20.77	20.83			
20	16QAM	50	24	20.67	20.81	20.91	21.5	2	
20	16QAM	50	50	20.71	20.80	20.86			
20	16QAM	100	0	20.65	20.80	20.84			
20	64QAM	1	0	20.90	20.97	20.93			
20	64QAM	1	49	20.86	20.98	21.03	21.5	2	
20	64QAM	1	99	20.93	20.99	21.04			
20	64QAM	50	0	19.61	19.73	19.83			
20	64QAM	50	24	19.68	19.84	19.98	20.5	3	
20	64QAM	50	50	19.71	19.83	19.86			
20	64QAM	100	0	19.66	19.82	19.85			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.96	23.05	23.00			
15	QPSK	1	37	22.83	22.94	22.93	23.5	0	
15	QPSK	1	74	22.76	22.90	22.93			
15	QPSK	36	0	21.73	21.80	21.87			
15	QPSK	36	20	21.65	21.78	21.88	22.5	1	
15	QPSK	36	39	21.62	21.82	21.80			
15	QPSK	100	0	21.67	21.83	21.80			
15	16QAM	1	0	21.79	21.88	21.98			
15	16QAM	1	37	21.85	22.07	22.04	22.5	1	
15	16QAM	1	74	21.99	21.97	22.01			
15	16QAM	36	0	20.60	20.64	20.78			
15	16QAM	36	20	20.66	20.74	20.84	21.5	2	
15	16QAM	36	39	20.63	20.70	20.87			
15	16QAM	75	0	20.63	20.80	20.78			
15	64QAM	1	0	20.89	20.92	20.79			
15	64QAM	1	37	20.83	20.87	20.88	21.5	2	
15	64QAM	1	74	20.79	20.86	20.99			
15	64QAM	36	0	19.60	19.77	19.72			
15	64QAM	36	20	19.60	19.71	19.77	20.5	3	
15	64QAM	36	39	19.66	19.78	19.84			
15	64QAM	75	0	19.63	19.74				
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.98	23.03	22.96			
10	QPSK	1	25	22.89	23.03	22.91	23.5	0	
10	QPSK	1	49	22.83	22.97	22.98			
10	QPSK	25	0	21.78	21.80	21.91			
10	QPSK	25	12	21.67	21.77	21.75	22.5	1	
10	QPSK	25	12	21.67	21.77	21.75			
10	16QAM	1	0	21.89	21.83	22.01			
10	16QAM	1	25	21.94	22.04	22.08	22.5	1	
10	16QAM	1	49	22.01	21.98	22.10			
10	16QAM	25	0	20.49	20.64	20.78			
10	16QAM	25	12	20.64	20.75	20.81	21.5	2	
10	16QAM	25	12	20.68	20.83	20.79			
10	16QAM	50	0	20.56	20.70	20.83			
10	16QAM	50	0	20.79	20.79	20.84	21.5	2	
10	64QAM	1	0	20.79	20.93	20.89			
10	64QAM	1	49	20.62	20.80	20.94			
10	64QAM	25	0	19.55	19.68	19.89			
10	64QAM	25	12	19.63	19.80	19.75	20.5	3	
10	64QAM	25	12	19.70	19.70	19.76			
10	64QAM	50	0	19.55	19.70	19.81			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.86	23.00	23.00			
5	QPSK	1	12	22.86	22.99	22.97	23.5	0	
5	QPSK	1	24	22.76	22.88	22.91			
5	QPSK	12	0	21.84	21.90	21.93			
5	QPSK	12	7	21.75	21.81	21.84	22.5	1	
5	QPSK	12	13	21.66	21.76	21.81			
5	QPSK	25	0	21.73	21.80	21.76			
5	16QAM	1	0	21.78	21.84	22.02	22.5	1	
5	16QAM	1	12	21.91	22.05	22.04			
5	16QAM	50	0	20.56	20.70	20.83			
5	16QAM	12	0	20.52	20.67	20.72	21.5	2	
5	16QAM	12	7	20.62	20.69	20.80			
5	16QAM	1	49	20.62	20.80	20.94			
5	16QAM	25	0	20.58	20.74	20.82			
5	64QAM	1	0	20.80	20.72	20.88	21.5	2	
5	64QAM	1	12	20.72	20.90	20.92			
5	64QAM	1	24	20.92	20.97	20.98			
5	64QAM	12	0	19.59	19.70	19.79			
5	64QAM	12	7	19.58	19.73	19.80	20.5	3	
5	64QAM	12	13	19.62	19.74	19.82			
5	64QAM	25	0	19.57	19.71	19.74			

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up freq (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.17	23.18	23.13			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.70	22.87	22.86			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	75	0	22.78	22.86	22.77			
15	16QAM	1	0	23.12	23.10	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	75	0	21.86	21.83	21.78			
15	64QAM	1	0	21.99	21.94	21.90			
15	64QAM	1	37	22.03	21.98	21.90	22.8	2	
15	64QAM	1	74	21.95	21.89	21.85			
15	64QAM	36	0	20.85	20.83	20.79			
15	64QAM	36	20	20.87	20.85	20.78	21.8	3	
15	64QAM	36	39	20.83	20.83	20.75			
15	64QAM	75	0	20.83	20.80	20.76			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.70	24.8	0	
10	QPSK	1	49	23.80	23.71	23.69			
10	QPSK	25	0	22.73	22.80	22.72			
10	QPSK	25	12	22.80	22.79	22.73	23.8	1	
10	QPSK	25	12	22.80	22.81	22.65			
10	QPSK	25	25	22.86	22.85	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	49	22.93	22.92	22.81			
10	16QAM	25	0	20.70	20.74	20.69			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.69	21.73	21.67			
10	16QAM	75	0	21.64	21.61	21.56			
10	64QAM	1	0	21.84	21.87	21.94			
10	64QAM	1	25	21.86	21.83	21.84	22.8	2	
10	64QAM	1	49	21.92	21.87	21.74			
10	64QAM	25	0	20.70	20.75	20.69			
10	64QAM	25	12	20.78	20.82	20.75	21.8	3	
10	64QAM	25	25	20.77	20.77	20.69			
10	64QAM	75	0	20.61	20.68	20.66			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.84	23.79	23.80			
5	QPSK	1	12	23.83	23.73	23.73	24.8	0	
5	QPSK	1	24	23.87	23.78	23.68			
5	QPSK	12	0	22.75	22.79	22.72			
5	QPSK	12	7	22.76	22.68	22.68	23.8	1	
5	QPSK	12	13	22.76	22.72	22.70			
5	QPSK	25	0	22.67	22.80	22.81			
5	16QAM	1	0	23.08	22.84	22.83			
5	16QAM	1	12	22.99	23.00	23.02	23.8	1	
5	16QAM	25	0	21.70	21.69	21.78			
5	16QAM	12	0	21.82	21.77	21.62			
5	16QAM	12	7	21.76	21.81	21.72	22.8	2	

Reduced Power Mode for EC13

Band 2_Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	1860	1865	1900					
20	QPSK	1	0	22.31	22.42	22.42	22.7	0			
20	QPSK	1	49	22.30	22.39	22.39	22.7	0			
20	QPSK	1	98	22.30	22.43	22.36					
20	QPSK	50	0	22.38	22.45	22.42					
20	QPSK	50	24	22.36	22.37	22.41					
20	QPSK	50	50	22.27	22.42	22.37	22.7	0			
20	16QAM	1	0	22.38	22.42	22.37					
20	16QAM	1	0	22.37	22.43	22.42					
20	16QAM	1	49	22.36	22.42	22.37	22.7	0			
20	16QAM	1	99	22.37	22.38	22.36					
20	16QAM	50	0	21.83	21.92	21.89					
20	16QAM	50	24	21.80	21.93	21.86					
20	16QAM	50	50	21.81	21.87	21.82	22.7	0			
20	16QAM	100	0	21.81	21.89	21.82					
20	64QAM	1	0	21.90	22.02	21.96					
20	64QAM	1	49	22.00	22.13	21.98					
20	64QAM	1	99	21.94	21.96	21.90					
20	64QAM	50	0	20.82	20.96	20.81					
20	64QAM	50	24	20.81	20.94	20.86					
20	64QAM	50	50	20.80	20.90	20.81					
20	64QAM	100	0	20.81	20.98	20.83	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	18675	18690	19125					
15	QPSK	1	37	22.33	22.41	22.37	22.7	0			
15	QPSK	1	74	22.24	22.29	22.23					
15	QPSK	36	0	22.30	22.42	22.30					
15	QPSK	36	20	22.27	22.36	22.34	22.7	0			
15	QPSK	36	38	22.17	22.32	22.25					
15	QPSK	75	0	22.31	22.34	22.35					
15	16QAM	1	0	22.22	22.42	22.32					
15	16QAM	1	37	22.23	22.39	22.34	22.7	0			
15	16QAM	1	74	22.20	22.31	22.26					
15	16QAM	36	0	21.73	21.81	21.81					
15	16QAM	36	20	21.75	21.90	21.73					
15	16QAM	36	38	21.70	21.81	21.76					
15	16QAM	75	0	21.69	21.79	21.74					
15	64QAM	1	0	21.79	21.96	21.84					
15	64QAM	1	37	21.86	22.05	21.87	22.7	0			
15	64QAM	1	74	21.84	21.89	21.85					
15	64QAM	36	0	20.70	20.77	20.85					
15	64QAM	36	20	20.70	20.87	20.82	21.7	1			
15	64QAM	36	38	20.72	20.80	20.77					
15	64QAM	75	0	20.75	20.87	20.80					
Channel											
Frequency (MHz)											
10	QPSK	1	0	18650	18650	19150					
10	QPSK	1	0	22.37	22.33	22.32	22.7	0			
10	QPSK	1	49	22.23	22.35	22.28					
10	QPSK	1	98	22.23	22.35	22.28					
10	QPSK	25	0	22.31	22.30	22.37					
10	QPSK	25	24	22.27	22.32	22.28	22.7	0			
10	QPSK	25	25	22.22	22.27	22.24					
10	QPSK	50	0	22.35	22.29	22.32					
10	16QAM	1	0	22.30	22.31	22.28					
10	16QAM	1	49	22.28	22.27	22.27	22.7	0			
10	16QAM	1	98	22.28	22.25	22.23					
10	16QAM	25	0	21.68	21.85	21.83					
10	16QAM	25	12	21.66	21.90	21.76	22.7	0			
10	16QAM	25	24	21.75	21.78	21.70					
10	16QAM	50	0	21.69	21.74	21.71					
10	64QAM	1	0	21.87	22.01	21.84					
10	64QAM	1	49	21.87	21.88	21.87	22.7	0			
10	64QAM	1	98	21.85	21.85	21.87					
10	64QAM	25	0	20.77	20.80	20.79					
10	64QAM	25	12	20.73	20.86	20.86	21.7	1			
10	64QAM	25	24	20.73	20.87	20.88					
10	64QAM	50	0	20.73	20.74	20.86					
Channel											
Frequency (MHz)											
5	QPSK	1	0	18625	18650	19175					
5	QPSK	1	12	22.23	22.40	22.36	22.7	0			
5	QPSK	1	24	22.23	22.38	22.26					
5	QPSK	12	0	22.23	22.30	22.26	22.7	0			
5	QPSK	12	7	22.35	22.31	22.32					
5	16QAM	1	0	22.25	22.37	22.30					
5	16QAM	1	12	22.26	22.36	22.33	22.7	0			
5	16QAM	1	24	22.23	22.35	22.28					
5	16QAM	12	0	21.70	21.80	21.76					
5	16QAM	12	7	21.76	21.87	21.72					
5	16QAM	12	13	21.69	21.77	21.78	22.7	0			
5	16QAM	25	0	21.66	21.88	21.73					
5	64QAM	1	0	21.87	22.01	21.88					
5	64QAM	1	12	21.87	22.06	21.94	22.7	0			
5	64QAM	1	24	21.80	21.82	21.84					
5	64QAM	12	0	20.79	20.87	20.78					
5	64QAM	12	7	20.70	20.80	20.79	21.7	1			
5	64QAM	12	13	20.66	20.78	20.71					
5	64QAM	25	0	20.76	20.73	20.70					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	18615	18650	19165					
1.4	QPSK	1	0	22.37	22.43	22.36	22.7	0			
1.4	QPSK	1	14	22.19	22.32	22.27					
1.4	QPSK	8	0	22.31	22.37	22.39					
1.4	QPSK	8	4	22.22	22.27	22.28	22.7	0			
1.4	QPSK	8	12	22.12	22.35	22.22					
1.4	QPSK	15	0	22.24	22.31	22.36					
1.4	16QAM	1	0	22.23	22.37	22.30					
1.4	16QAM	1	14	22.28	22.37	22.35	22.7	0			
1.4	16QAM	8	0	21.74	21.86	21.76					
1.4	16QAM	8	7	21.69	21.77	21.81					
1.4	16QAM	15	0	21.66	21.74	21.68					
1.4	64QAM	1	0	21.77	21.87	21.86					
1.4	64QAM	1	12	21.85	22.02	21.92	22.7	0			
1.4	64QAM	1	14	21.79	21.89	21.82					
1.4	64QAM	8	0	20.78	20.84	20.79					
1.4	64QAM	8	7	20.72	20.80	20.81					
1.4	64QAM	8	7	20.74	20.89	20.74	21.7	1			
1.4	64QAM	15	0	20.73	20.80	20.71					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.27	22.38	22.43	22.7	0			
1.4	QPSK	1	3	22.17	22.31	22.31					
1.4	QPSK	3	0	22.34	22.37	22.34					
1.4	QPSK	3	1	22.25	22.33	22.16					
1.4	QPSK	3	3	22.25	22.35	22.23					
1.4	QPSK	3	5	22.32	22.41	22.36					
1.4	16QAM	1	0	22.28	22.33	22.28					
1.4	16QAM	1	3	22.15	22.38	22.30					
1.4	16QAM	1	5	22.25	22.24	22.33					
1.4	16QAM	3	0	22.32	22.41	22.31	22.7	0			
1.4	16QAM	3	1	22.30	22.32	22.32					
1.4	16QAM	3	3	22.27	22.34	22.27					
1.4	16QAM	3	5	21.69	21.85	21.76	22.7	0			
1.4	64QAM	1	0	21.78	21.99	21.85					
1.4	64QAM	1	3	21.77	21.97	21.83					
1.4	64QAM	1	5	21.79	22.01	21.86					
1.4	64QAM	3	0	21.76	21.99	21.82	22.7	0			
1.4	64QAM	3	1	21.74	21.91	21.81					
1.4	64QAM	3	3	21.71	21.90	21.82					

Band 7_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20550	21100	21500		
				2100	2050	2060		
20	QPSK	1	0	21.03	21.05	21.02	21.5	0
20	QPSK	1	49	20.96	20.96	20.93		
20	QPSK	1	99	20.97	20.99	20.91		
20	QPSK	50	0	21.00	21.03	21.01		
20	QPSK	50	24	20.98	20.91	20.95	21.5	0
20	QPSK	50	50	20.95	21.00	21.00		
20	QPSK	100	0	20.99	21.00	20.97		
20	16QAM	1	0	21.02	21.00	20.96		
20	16QAM	1	49	20.94	20.94	20.90	21.5	0
20	16QAM	1	99	20.90	20.96	20.94		
20	16QAM	50	0	20.91	20.77	20.83		
20	16QAM	50	24	20.67	20.81	20.91	21.5	0
20	16QAM	50	50	20.71	20.85	20.88		
20	16QAM	100	0	20.65	20.80	20.84		
20	64QAM	1	0	20.90	20.87	20.93	21.5	0
20	64QAM	1	49	20.86	20.86	21.03		
20	64QAM	1	99	20.93	20.79	21.04		
20	64QAM	50	0	19.61	19.79	19.83		
20	64QAM	50	24	19.68	19.84	19.88	20.5	1
20	64QAM	50	50	19.71	19.83	19.86		
20	64QAM	100	0	19.66	19.82	19.85		
Channel								
Frequency (MHz)				20525	21100	21575		
				2557.5	2535	2562.5		
15	QPSK	1	0	20.99	21.01	20.87	21.5	0
15	QPSK	1	37	20.81	20.81	20.87		
15	QPSK	1	74	20.95	20.94	20.77		
15	QPSK	36	0	20.85	20.88	20.96		
15	QPSK	36	20	20.93	20.81	20.83	21.5	0
15	QPSK	36	39	20.80	20.84	20.91		
15	QPSK	75	0	20.85	20.99	20.94		
15	16QAM	1	0	20.93	20.97	20.84		
15	16QAM	1	37	20.81	20.81	20.87	21.5	0
15	16QAM	1	74	20.80	20.81	20.84		
15	16QAM	36	0	20.60	20.64	20.78		
15	16QAM	36	20	20.66	20.74	20.84	21.5	0
15	16QAM	36	39	20.63	20.76	20.87		
15	16QAM	75	0	20.61	20.67	20.76		
15	64QAM	1	0	20.89	20.82	20.79	21.5	0
15	64QAM	1	37	20.83	20.87	20.88		
15	64QAM	1	74	20.79	20.80	20.89		
15	64QAM	36	0	19.60	19.77	19.72		
15	64QAM	36	20	19.60	19.71	19.77	20.5	1
15	64QAM	36	39	19.63	19.74	19.73		
Channel								
Frequency (MHz)				20600	21100	21600		
				2505	2535	2565		
10	QPSK	1	0	20.95	20.91	20.96	21.5	0
10	QPSK	1	25	20.87	20.80	20.79		
10	QPSK	1	49	20.88	20.84	20.84		
10	QPSK	25	0	20.94	20.96	20.87		
10	QPSK	25	12	20.88	20.88	20.93	21.5	0
10	QPSK	25	25	20.88	20.94	20.99		
10	QPSK	50	0	20.92	20.97	20.96		
10	QPSK	1	0	20.95	20.86	20.86	21.5	0
10	16QAM	1	24	20.80	20.86	20.88		
10	16QAM	1	49	20.78	20.91	20.79		
10	16QAM	25	0	20.49	20.64	20.78	21.5	0
10	16QAM	25	12	20.64	20.70	20.81		
10	16QAM	25	25	20.68	20.83	20.79		
10	16QAM	50	0	20.56	20.70	20.83		
10	64QAM	1	0	20.79	20.79	20.84	21.5	0
10	64QAM	1	24	20.75	20.85	20.88		
10	64QAM	1	49	20.92	20.85	20.94		
10	64QAM	25	0	19.55	19.68	19.78		
10	64QAM	25	12	19.63	19.80	19.75	20.5	1
10	64QAM	25	25	19.70	19.70	19.76		
10	64QAM	50	0	19.55	19.75	19.81		
Channel								
Frequency (MHz)				20775	21100	21625		
				2522.5	2532	2567.5		
5	QPSK	1	0	20.89	20.89	21.01	21.5	0
5	QPSK	1	12	20.87	20.82	20.88		
5	QPSK	1	24	20.95	20.85	20.89		
5	QPSK	12	0	20.95	20.91	20.87		
5	QPSK	12	7	20.95	20.90	20.90	21.5	0
5	QPSK	12	13	20.88	20.81	20.87		
5	QPSK	25	0	20.85	20.87	20.88		
5	16QAM	1	0	20.99	20.93	20.86		
5	16QAM	1	12	20.90	20.82	20.84	21.5	0
5	16QAM	1	24	20.85	20.81	20.79		
5	16QAM	12	0	20.52	20.67	20.72		
5	16QAM	12	7	20.62	20.69	20.80	21.5	0
5	16QAM	12	13	20.62	20.84	20.83		
5	16QAM	25	0	20.58	20.74	20.82		
5	64QAM	1	0	20.80	20.72	20.86		
5	64QAM	1	12	20.72	20.90	20.92	21.5	0
5	64QAM	1	24	20.92	20.87	20.98		
5	64QAM	12	0	19.59	19.70	19.79		
5	64QAM	12	7	19.58	19.73	19.80	20.5	1
5	64QAM	12	13	19.62	19.74	19.82		
5	64QAM	25	0	19.57	19.71	19.74		

Band 26_Ant 0

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20765	20605	20595			
				821.5	831.5	841.5			
15	QPSK	1	0	23.87	23.88	23.83	24.8	0	
15	QPSK	1	37	23.84	23.84	23.79			
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.92	22.87	22.80			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	75	0	22.78	22.86	22.77			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.09	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	75	0	21.83	21.83	21.78			
15	64QAM	1	0	21.99	21.94	22.00			
15	64QAM	1	37	22.03	21.98	21.90	22.8	2	
15	64QAM	1	74	21.95	21.89	21.86			
15	64QAM	36	0	20.85	20.83	20.79			
15	64QAM	36	20	20.87	20.85	20.78	21.8	3	
15	64QAM	36	39	20.83	20.83	20.75			
15	64QAM	75	0	20.83	20.80	20.75			
Channel									
Frequency (MHz)				20740	20605	20590			
				819	831.5	844			
10	QPSK	1	0	23.74	23.74	23.80	24.8	0	
10	QPSK	1	25	23.76	23.72	23.79			
10	QPSK	1	49	23.80	23.71	23.69			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.75			
10	QPSK	50	0	22.66	22.71	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	49	23.09	23.02	22.91			
10	16QAM	25	0	21.74	21.80	21.66			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.68	21.73	21.67			
10	16QAM	50	0	21.73	21.77	21.66			
10	64QAM	1	0	21.84	21.87	21.94			
10	64QAM	1	25	21.86	21.83	21.84	22.8	2	
10	64QAM	1	49	21.90	21.87	21.74			
10	64QAM	25	0	20.70	20.73	20.67			
10	64QAM	25	12	20.78	20.82	20.63	21.8	3	
10	64QAM	25	25	20.80	20.73	20.62			
10	64QAM	50	0	20.81	20.68	20.65			
Channel									
Frequency (MHz)				20715	20605	20705			
				816.5	831.5	846.5			
5	QPSK	1	0	23.84	23.79	23.80	24.8	0	
5	QPSK	1	24	23.76	23.66	23.56			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	7	22.79	22.72	22.70	23.8	1	
5	QPSK	12	13	22.79	22.72	22.70			
5	QPSK	25	0	22.67	22.81	22.73			
5	16QAM	1	0	23.08	22.94	22.93	23.8	1	
5	16QAM	1	12	22.95	22.91	22.82			
5	16QAM	1	24	22.96	22.93	22.91			
5	16QAM	12	0	21.82	21.77	21.62			
5	16QAM	12	7	21.76	21.81	21.72	22.8	2	
5	16QAM	12	13	21.66	21.79	21.61			
5	16QAM	25	0	21.73	21.69	21.76			
5	64QAM	1	0	21.91	21.90	21.91			
5	64QAM	1	12	21.88	21.82	21.82	22.8	2	
5	64QAM	1	24	21.87	21.74	21.78			
5	64QAM	12	0	20.70	20.78	20.64			
5	64QAM	12	7	20.75	20.80	20.64	21.8	3	
5	64QAM	12	13	20.73	20.78	20.61			
5	64QAM	25	0	20.81	20.65	20.69			
Channel									
Frequency (MHz)				20705	20605	20705			
				815	831.5	847.5			
3	QPSK	1	0	23.77	23.74	23.76	24.8	0	
3	QPSK	1	14	23.75	23.69	23.57			
3	QPSK	8	0	22.72	22.81	22.76			
3	QPSK	8	4	22.76	22.72	22.63	23.8	1	
3	QPSK	8	12	22.74	22.71	22.61			
3	QPSK	15	0	22.67	22.78	22.65			
3	16QAM	1	0	22.97	22.89	23.07			
3	16QAM	1	15	22.98	22.88	22.81	23.8	1	
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.78	21.69			
3	16QAM	8	4	21.75	21.79	21.70	22.8	2	
3	16QAM	8	12	21.69	21.75	21.61			
3	16QAM	15	0	21.76	21.73	21.67			
3	64QAM	1	0	21.94	21.79	21.86			
3	64QAM	1	8	21.90	21.83	21.81	22.8	2	
3	64QAM	1	15	21.80	21.85	21.71			
3	64QAM	8	0	20.76	20.73	20.66			
3	64QAM	8	4	20.83	20.75	20.73	21.8	3	
3	64QAM	8	12	20.80	20.72	20.65			
3	64QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)				20671	20605	20703			
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.86	23.80	23.65	24.8	0	
1.4	QPSK	1	23	23.82	23.77	23.71			
1.4	QPSK	1	5	23.86	23.80	23.71			
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	0	22.83	22.77	22.67	23.8	1	
1.4	QPSK	3	8	23.84	23.79	23.70			
1.4	16QAM	1	0	23.06	23.05	22.93			
1.4	16QAM	1	23	23.06	23.04	22.95	23.8	1	
1.4	16QAM	1	5	23.09	23.04	22.91			
1.4	16QAM	3	0	22.80	22.79	22.69			
1.4	16QAM	3	1	22.84	22.76	22.66			
1.4	16QAM	6	0	21.89	21.85	21.78	22.8	2	
1.4	64QAM	1	0	21.97	21.96	21.89			
1.4	64QAM	1	3	21.96	21.97	21.88			
1.4	64QAM	1	23	22.01	21.98	21.81	22.8	2	
1.4	64QAM	3	0	21.96	21.86	21.79			
1.4	64QAM	3	1	21.90	21.87	21.79			
1.4	64QAM	3	1	21.82	21.78	21.71			
1.4	64QAM	6	0	20.79	20.74	20.67	21.8	3	

Reduced Power Mode for ECIS

Band 2_Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MRR (dB)			
Channel											
18700 18900 19100											
Frequency (MHz)											
20 QPSK 1	0	15.00	15.00	15.00	15.00	15.00	15.2	0			
20 QPSK 3	1	49	14.82	14.80	14.86	14.82					
20 QPSK 1	99	14.88	15.00	14.93	14.93	14.93					
20 QPSK 50	0	14.99	15.00	15.00	15.00	15.00					
20 QPSK 50	24	14.92	15.00	14.92	14.92	14.92					
20 QPSK 50	50	14.92	14.82	14.92	14.92	14.92	15.2	0			
20 QPSK 100	0	14.95	15.03	14.98	14.98	14.98					
20 QPSK 1	1	49	14.82	14.86	14.76	14.76					
20 IQAM 1	49	14.75	14.95	14.75	14.75	14.75					
20 IQAM 1	99	14.99	14.81	14.74	14.74	14.74					
20 IQAM 50	0	14.93	14.86	14.80	14.80	14.80	15.2	0			
20 IQAM 30	24	14.95	14.90	14.92	14.92	14.92					
20 IQAM 50	50	14.98	15.04	14.86	14.86	14.86					
20 IQAM 100	0	14.87	15.00	14.94	14.94	14.94					
20 IQAM 1	0	14.92	15.04	14.77	14.77	14.77					
20 IQAM 1	49	14.84	15.03	14.84	14.84	14.84	15.2	0			
20 IQAM 1	99	14.90	14.88	14.89	14.89	14.89					
20 IQAM 50	0	14.83	15.04	14.99	14.99	14.99					
20 IQAM 30	24	14.94	14.97	14.92	14.92	14.92					
20 IQAM 50	50	14.93	14.90	14.88	14.88	14.88					
20 IQAM 100	0	14.97	14.94	14.88	14.88	14.88	Turn-up limit (dBm)	MRR (dB)			
Channel											
18875 18900 19125											
Frequency (MHz)											
15 QPSK 1	0	15.04	15.07	14.97	14.97	14.97	15.2	0			
15 QPSK 1	37	14.80	14.85	14.88	14.88	14.88					
15 QPSK 1	74	14.85	14.86	14.97	14.97	14.97					
15 QPSK 36	39	14.89	15.02	14.98	14.98	14.98					
15 QPSK 36	20	14.88	14.93	14.81	14.81	14.81					
15 QPSK 36	39	14.83	14.82	14.86	14.86	14.86	15.2	0			
15 QPSK 75	0	14.99	15.02	14.92	14.92	14.92					
15 IQAM 1	0	14.95	14.98	14.92	14.92	14.92					
15 IQAM 1	37	14.79	14.94	14.85	14.85	14.85					
15 IQAM 1	74	14.91	14.92	14.80	14.80	14.80					
15 IQAM 36	0	14.85	14.98	14.83	14.83	14.83	15.2	0			
15 IQAM 36	20	14.97	15.01	14.87	14.87	14.87					
15 IQAM 36	39	14.91	15.06	14.91	14.91	14.91					
15 IQAM 75	0	14.88	15.04	14.82	14.82	14.82					
15 IQAM 1	14	14.92	15.01	14.82	14.82	14.82					
15 IQAM 1	37	14.81	14.92	14.83	14.83	14.83	15.2	0			
15 IQAM 1	74	15.00	14.97	14.81	14.81	14.81					
15 IQAM 36	0	14.84	15.07	14.83	14.83	14.83					
15 IQAM 36	20	14.95	15.02	14.81	14.81	14.81					
15 IQAM 36	39	14.90	14.94	14.77	14.77	14.77					
15 IQAM 75	0	14.90	14.86	14.83	14.83	14.83	Turn-up limit (dBm)	MRR (dB)			
Channel											
18925 18950 19175											
Frequency (MHz)											
10 QPSK 1	0	15.01	15.03	14.89	14.89	14.89	15.2	0			
10 QPSK 1	25	14.89	14.86	14.93	14.93	14.93					
10 QPSK 1	49	14.83	14.91	14.94	14.94	14.94					
10 QPSK 25	0	15.00	15.00	14.90	14.90	14.90					
10 QPSK 25	12	14.90	14.85	14.87	14.87	14.87					
10 QPSK 25	25	14.92	14.93	14.89	14.89	14.89	15.2	0			
10 QPSK 50	0	14.92	14.88	14.90	14.90	14.90					
10 IQAM 1	0	14.89	14.99	14.73	14.73	14.73					
10 IQAM 1	25	14.90	14.86	14.79	14.79	14.79					
10 IQAM 1	49	14.76	14.94	14.76	14.76	14.76					
10 IQAM 25	0	14.94	15.07	14.84	14.84	14.84	15.2	0			
10 IQAM 25	12	15.00	14.90	14.86	14.86	14.86					
10 IQAM 25	25	14.98	14.93	14.88	14.88	14.88					
10 IQAM 50	0	14.85	15.05	14.85	14.85	14.85					
10 IQAM 1	0	14.85	15.03	14.92	14.92	14.92					
10 IQAM 1	49	14.86	14.80	14.87	14.87	14.87	15.2	0			
10 IQAM 25	0	14.85	15.08	14.88	14.88	14.88					
10 IQAM 25	12	14.84	15.01	14.85	14.85	14.85					
10 IQAM 50	25	14.94	14.80	14.87	14.87	14.87					
10 IQAM 50	25	14.90	14.82	14.82	14.82	14.82					
Channel											
18925 18950 19175											
Frequency (MHz)											
5 QPSK 1	0	15.04	15.07	15.01	15.01	15.01	15.2	0			
5 QPSK 1	12	14.87	14.88	14.89	14.89	14.89					
5 QPSK 12	0	14.90	14.90	14.90	14.90	14.90					
5 QPSK 12	0	14.88	14.84	14.92	14.92	14.92					
5 QPSK 12	7	14.94	15.01	14.83	14.83	14.83					
5 QPSK 12	13	14.86	14.86	14.86	14.86	14.86	15.2	0			
5 QPSK 25	0	14.85	14.90	14.82	14.82	14.82					
5 IQAM 1	0	14.88	14.94	14.86	14.86	14.86					
5 IQAM 1	12	14.79	14.92	14.88	14.88	14.88					
5 IQAM 100	0	14.88	14.78	14.78	14.78	14.78					
5 IQAM 12	0	14.83	15.05	14.85	14.85	14.85	15.2	0			
5 IQAM 12	7	14.96	14.94	14.77	14.77	14.77					
5 IQAM 12	13	15.00	14.96	14.89	14.89	14.89					
5 IQAM 25	0	14.82	15.06	14.89	14.89	14.89					
5 IQAM 1	0	14.96	15.03	14.79	14.79	14.79					
5 IQAM 1	12	14.95	14.91	14.88	14.88	14.88	15.2	0			
5 IQAM 8	4	14.94	14.90	14.86	14.86	14.86					
5 IQAM 12	0	14.84	14.93	14.89	14.89	14.89					
5 IQAM 12	7	14.90	14.89	14.85	14.85	14.85					
5 IQAM 12	13	14.97	14.85	14.91	14.91	14.91					
5 IQAM 25	0	14.99	15.01	14.83	14.83	14.83	Turn-up limit (dBm)	MRR (dB)			
Channel											
18915 18950 19185											
Frequency (MHz)											
3 QPSK 1	0	14.95	14.88	14.99	14.99	14.99	15.2	0			
3 QPSK 1	8	14.89	14.89	14.93	14.93	14.93					
3 QPSK 1	14	14.83	14.94	14.88	14.88	14.88					
3 QPSK 8	0	14.89	15.00	14.85	14.85	14.85					
3 QPSK 8	4	14.94	14.90	14.83	14.83	14.83					
3 QPSK 8	24	14.93	14.89	14.84	14.84	14.84	15.2	0			
3 QPSK 15	0	14.94	14.88	14.87	14.87	14.87					
3 IQAM 1	0	14.83	14.98	14.77	14.77	14.77					
3 IQAM 1	8	14.84	14.90	14.86	14.86	14.86					
3 IQAM 1	14	14.90	14.94	14.84	14.84	14.84					
3 IQAM 8	0	14.82	15.07	14.87	14.87	14.87	15.2	0			
3 IQAM 8	4	14.94	14.86	14.83	14.83	14.83					
3 IQAM 8	7	15.04	14.90	14.91	14.91	14.91					
3 IQAM 15	0	14.85	14.93	14.95	14.95	14.95					
3 IQAM 1	0	14.85	14.99	14.79	14.79	14.79					
3 IQAM 1	8	14.91	14.96	14.90	14.90	14.90	15.2	0			
3 IQAM 25	14	14.99	14.95	14.88	14.88	14.88					
3 IQAM 8	0	14.78	15.02	14.87	14.87	14.87					
3 IQAM 8	4	14.89	14.91	14.83	14.83	14.83					
3 IQAM 8	7	14.98	14.93	14.78	14.78	14.78					
3 IQAM 15	0	15.02	15.00	14.78	14.78	14.78	Turn-up limit (dBm)	MRR (dB)			
Channel											
18907 18950 19183											
Frequency (MHz)											
1.4 QPSK 1	0	14.83	15.09	14.74	14.74	14.74	15.2	0			
1.4 QPSK 1	3	14.80	14.89	14.94	14.94	14.94			</		

Band 7_Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-on limit (dBm)	MPR (dB)			
Channel											
Channel				20650	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	18.04	18.00	18.01	18.5	0			
20	QPSK	1	49	18.04	17.97	17.96					
20	QPSK	1	99	17.97	18.06	17.86					
20	QPSK	50	0	18.05	18.05	18.02	18.5	0			
20	QPSK	50	24	18.04	18.00	18.01					
20	QPSK	50	50	17.93	17.99	18.00					
20	QPSK	100	0	18.01	18.03	17.93	18.5	0			
20	16QAM	1	0	18.03	18.07	17.96					
20	16QAM	1	49	17.92	17.99	17.93					
20	16QAM	1	99	17.93	18.02	17.86	18.5	0			
20	16QAM	50	0	17.63	17.78	17.87					
20	16QAM	50	24	17.64	17.68	17.90					
20	16QAM	50	50	17.71	17.94	17.95	18.5	0			
20	16QAM	100	0	17.72	17.86	17.92					
20	64QAM	1	0	17.90	17.90	17.89	18.5	0			
20	64QAM	1	49	17.94	17.89	18.02					
20	64QAM	1	99	17.99	18.08	18.09					
20	64QAM	50	0	18.02	18.09	17.99	18.5	0			
20	64QAM	50	24	17.99	17.92	17.86					
20	64QAM	50	50	17.94	18.00	17.72					
20	64QAM	100	0	17.95	17.93	17.93	Turn-on limit (dBm)	MPR (dB)			
Channel											
Channel				20625	21100	21375					
Frequency (MHz)				2502.5	2535	2567.5					
15	QPSK	1	0	17.97	18.05	18.05	18.5	0			
15	QPSK	1	37	17.90	17.83	17.88					
15	QPSK	1	74	17.89	17.99	17.74					
15	QPSK	36	0	17.91	17.94	17.99	18.5	0			
15	QPSK	36	20	17.90	17.99	17.92					
15	QPSK	36	36	17.87	17.94	17.96					
15	QPSK	75	0	17.95	17.97	17.87	18.5	0			
15	16QAM	1	0	17.82	17.93	17.76					
15	16QAM	1	37	17.86	17.94	17.81					
15	16QAM	1	74	17.78	18.01	17.90	18.5	0			
15	16QAM	36	0	17.61	17.76	17.77					
15	16QAM	36	20	17.63	17.79	17.81					
15	16QAM	36	36	17.57	17.73	17.81	18.5	0			
15	16QAM	75	0	17.61	17.78	17.83					
15	64QAM	1	0	17.71	17.82	17.62	18.5	0			
15	64QAM	1	37	17.79	17.94	17.89					
15	64QAM	1	74	17.95	17.98	17.95					
15	64QAM	36	0	17.71	17.78	17.77	18.5	0			
15	64QAM	36	20	17.74	17.69	17.86					
15	64QAM	36	36	17.81	17.96	17.84					
15	64QAM	75	0	17.81	17.81	17.82	Turn-on limit (dBm)	MPR (dB)			
Channel											
Channel				20550	21100	21375					
Frequency (MHz)				2502.5	2535	2566.5					
10	QPSK	1	0	17.99	18.01	17.95	18.5	0			
10	QPSK	1	25	17.92	17.87	17.85					
10	QPSK	1	49	17.92	17.95	17.80					
10	QPSK	25	0	17.91	17.94	17.99	18.5	0			
10	QPSK	25	12	17.93	17.92	17.97					
10	QPSK	25	25	17.87	17.87	17.96					
10	QPSK	50	0	17.96	18.00	17.83	18.5	0			
10	16QAM	1	0	17.90	18.03	17.91					
10	16QAM	1	25	17.80	17.91	17.87					
10	16QAM	1	49	17.83	17.97	17.82	18.5	0			
10	16QAM	25	0	17.48	17.63	17.74					
10	16QAM	25	12	17.49	17.68	17.88					
10	16QAM	25	25	17.60	17.71	17.91	18.5	0			
10	16QAM	50	0	17.71	17.76	17.77					
10	64QAM	1	0	17.83	17.82	17.75					
10	64QAM	1	25	17.92	17.96	17.91	18.5	0			
10	64QAM	1	49	17.92	18.07	18.01					
10	64QAM	25	0	17.90	18.03	17.78					
10	64QAM	25	12	17.92	17.97	17.74	18.5	0			
10	64QAM	25	25	17.88	17.88	17.97					
10	64QAM	50	0	17.82	17.91	17.83					
Channel											
Channel				20715	21100	21425					
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	18.01	18.07	17.87	18.5	0			
5	QPSK	1	12	17.89	17.85	17.84					
5	QPSK	1	24	17.94	17.90	17.73					
5	QPSK	12	0	17.97	18.00	17.89	18.5	0			
5	QPSK	12	7	17.93	17.87	17.97					
5	QPSK	12	13	17.86	17.91	17.86					
5	QPSK	25	0	17.89	17.94	17.81	18.5	0			
5	16QAM	1	0	17.91	18.02	17.86					
5	16QAM	1	12	17.81	17.86	17.89					
5	16QAM	1	24	17.87	17.97	17.92	18.5	0			
5	16QAM	12	0	17.51	17.75	17.81					
5	16QAM	12	7	17.60	17.85	17.82					
5	16QAM	12	13	17.68	17.83	17.86	18.5	0			
5	16QAM	25	0	17.69	17.72	17.82					
5	64QAM	1	0	17.89	17.89	17.74					
5	64QAM	1	12	17.81	17.86	17.88	18.5	0			
5	64QAM	1	24	17.85	17.95	18.01					
5	64QAM	12	0	17.92	18.04	17.82					
5	64QAM	12	7	17.85	17.83	17.83	18.5	0			
5	64QAM	12	13	17.88	17.93	17.84					
5	64QAM	25	0	17.86	17.88	17.88					

Band 26_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				26765	26865	26965					
				831.5	831.5	841.5					
15	QPSK	1	0	23.77	23.68	23.83	24.8	0			
15	QPSK	1	37	23.84	23.73	23.79					
15	QPSK	1	74	23.82	23.79	23.71					
15	QPSK	36	0	22.82	22.87	22.80	23.8	1			
15	QPSK	36	20	22.80	22.81	22.78					
15	QPSK	36	36	22.78	22.82	22.72					
15	QPSK	75	0	22.78	22.86	22.77	23.8	1			
15	16QAM	1	0	23.12	23.03	23.08					
15	16QAM	1	37	23.10	23.10	23.04					
15	16QAM	1	74	23.05	23.01	22.96	23.8	1			
15	16QAM	36	0	21.83	21.81	21.77					
15	16QAM	36	20	21.85	21.83	21.77					
15	16QAM	36	36	21.78	21.82	21.74	22.8	2			
15	16QAM	75	0	21.86	21.83	21.78					
15	64QAM	1	0	21.99	21.94	22.00	22.8	2			
15	64QAM	1	37	22.01	22.00	21.90					
15	64QAM	1	74	21.95	21.89	21.85					
15	64QAM	36	0	20.85	20.83	20.79	21.8	3			
15	64QAM	36	20	20.87	20.85	20.78					
15	64QAM	36	36	20.83	20.83	20.75					
15	64QAM	75	0	20.83	20.80	20.76	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				26765	26865	26965					
				819	831.5	844					
10	QPSK	1	0	23.74	23.74	23.80	24.8	0			
10	QPSK	1	25	23.74	23.72	23.76					
10	QPSK	1	49	23.80	23.71	23.69					
10	QPSK	25	0	22.71	22.80	22.72	23.8	1			
10	QPSK	25	12	22.72	22.79	22.73					
10	QPSK	25	25	22.69	22.81	22.66					
10	QPSK	50	0	22.66	22.71	22.70	23.8	1			
10	16QAM	1	0	23.03	23.02	22.98					
10	16QAM	1	25	23.07	23.07	23.03					
10	16QAM	1	25	22.92	22.92	22.81	23.8	1			
10	16QAM	25	0	21.74	21.80	21.66					
10	16QAM	25	12	21.76	21.74	21.69					
10	16QAM	25	25	21.60	21.73	21.67	22.8	2			
10	16QAM	50	0	21.73	21.77	21.66					
10	64QAM	1	0	21.84	21.87	21.94	22.8	2			
10	64QAM	1	25	21.98	21.83	21.84					
10	64QAM	1	25	21.92	21.85	21.74					
10	64QAM	25	0	20.70	20.73	20.67	21.8	3			
10	64QAM	25	12	20.78	20.82	20.63					
10	64QAM	25	25	20.77	20.79	20.65					
10	64QAM	50	0	20.81	20.68	20.65	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				26715	26865	27015					
				816.5	831.5	846.5					
5	QPSK	1	0	23.84	23.79	23.80	24.8	0			
5	QPSK	1	12	23.83	23.73	23.73					
5	QPSK	1	24	23.76	23.66	23.56					
5	QPSK	12	0	22.79	22.79	22.72	23.8	1			
5	QPSK	12	7	22.76	22.68	22.68					
5	QPSK	12	12	22.78	22.72	22.70					
5	QPSK	25	0	22.67	22.81	22.73	23.8	1			
5	16QAM	1	0	23.08	22.94	22.92					
5	16QAM	1	12	23.09	23.00	22.93					
5	16QAM	1	24	22.96	22.83	22.91	23.8	1			
5	16QAM	12	0	21.82	21.77	21.62					
5	16QAM	12	7	21.76	21.81	21.72					
5	16QAM	12	12	21.60	21.73	21.67	22.8	2			
5	16QAM	25	0	21.73	21.69	21.76					
5	64QAM	1	0	21.91	21.90	21.91	22.8	2			
5	64QAM	1	12	22.01	21.95	21.92					
5	64QAM	1	12	21.87	21.74	21.74					
5	64QAM	12	0	20.76	20.78	20.64	21.8	3			
5	64QAM	12	7	20.75	20.80	20.64					
5	64QAM	12	12	20.73	20.77	20.68					
5	64QAM	25	0	20.81	20.65	20.69	Turn-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
				26705	26865	27025					
				815.5	831.5	847.5					
3	QPSK	1	0	23.77	23.74	23.76	24.8	0			
3	QPSK	1	0	23.74	23.73	23.73					
3	QPSK	1	14	23.75	23.69	23.57					
3	QPSK	8	4	22.72	22.81	22.76	23.8	1			
3	QPSK	8	4	22.76	22.73	22.63					
3	QPSK	8	8	22.74	22.72	22.67					
3	QPSK	15	0	22.67	22.78	22.65	23.8	1			
3	16QAM	1	0	22.87	22.89	22.93					
3	16QAM	1	15	22.90	23.04	22.96					
3	16QAM	1	14	22.97	22.91	22.81	22.8	2			
3	16QAM	8	0	21.76	21.75	21.69					
3	16QAM	8	4	21.75	21.79	21.70					
3	16QAM	8	4	21.60	21.73	21.66	22.8	2			
3	16QAM	15	0	21.76	21.73	21.67					
3	64QAM	1	0	21.94	21.78	21.88					
3	64QAM	1	8	21.90	21.81	21.81	22.8	2			
3	64QAM	1	8	21.80	21.82	21.81					
3	64QAM	8	4	20.63	20.73	20.66					
3	64QAM	8	4	20.63	20.75	20.73	21.8	3			
3	64QAM	8	8	20.80	20.73	20.64					
3	64QAM	15	0	20.73	20.67	20.75					
				26977	26965	27033	Turn-up limit (dBm)	MPR (dB)			
				841.7	831.5	848.3					
1.4	QPSK	1	0	23.86	23.80	23.65	24.8	0			
1.4	QPSK	1	0	23.82	23.73	23.73					
1.4	QPSK	1	5	23.86	23.80	23.71					
1.4	QPSK	3	0	23.84	23.77	23.70	23.8	1			
1.4	QPSK	3	1	23.85	23.78	23.67					
1.4	QPSK	3	1	23.84	23.73	23.70					
1.4	QPSK	6	0	22.83	22.77	22.68	23.8	1			
1.4	16QAM	1	0	23.06	23.05	22.93					
1.4	16QAM	1	3	23.06	23.06	22.94					
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1			
1.4	16QAM	3	0	22.80	22.79	22.68					
1.4	16QAM	3	1	22.83	22.73	22.66					
1.4	16QAM	6	0	22.84	22.77	22.70	22.8	2			
1.4	16QAM	6	0	21.89	21.85	21.78					
1.4	64QAM	1	0	21.97	21.96	21.89					
1.4	64QAM	1	3	21.96	21.91	21.85	22.8	2			
1.4	64QAM	1	3	22.01	21.95	21.87					
1.4	64QAM	3	0	21.96	21.88	21.79					
1.4	64QAM	3	1	21.83	21.87	21.79	21.8	3			
1.4	64QAM	3	1	21.92	21.81	21.79					
1.4	64QAM	6	0	20.79	20.74	20.67					

Reduced Power Mode for EC18

Band 2_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Max Ch / Freq	Power Min Ch / Freq	Power Min Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel								
18700 18900 19100								
Frequency (MHz)								
20	QPSK	1	0	20.43	20.30	20.45	20.7	0
20	QPSK	1	49	20.28	20.44	20.34	20.7	0
20	QPSK	36	0	20.31	20.48	20.32	20.7	0
20	QPSK	50	0	20.40	20.47	20.36	20.7	0
20	QPSK	50	24	20.38	20.42	20.32	20.7	0
20	QPSK	100	0	20.33	20.44	20.36	20.7	0
20	16QAM	1	0	20.32	20.37	20.32	20.7	0
20	16QAM	1	49	20.41	20.42	20.39	20.7	0
20	16QAM	1	98	20.42	20.47	20.41	20.7	0
20	16QAM	50	0	20.30	20.44	20.31	20.7	0
20	16QAM	50	24	20.28	20.43	20.44	20.7	0
20	16QAM	50	50	20.34	20.48	20.44	20.7	0
20	16QAM	100	0	20.32	20.48	20.37	20.7	0
20	84QAM	1	0	20.40	20.43	20.42	20.7	0
20	84QAM	1	49	20.31	20.48	20.42	20.7	0
20	84QAM	1	98	20.31	20.43	20.33	20.7	0
20	84QAM	50	0	20.39	20.42	20.37	20.7	0
20	84QAM	50	24	20.35	20.36	20.39	20.7	0
20	84QAM	50	50	20.30	20.36	20.44	20.7	0
20	84QAM	100	0	20.42	20.48	20.44	20.7	0
Channel								
18675 18800 18925								
Frequency (MHz)								
15	QPSK	1	0	20.29	20.36	20.34	20.7	0
15	QPSK	1	37	20.20	20.31	20.27	20.7	0
15	QPSK	1	74	20.31	20.38	20.21	20.7	0
15	QPSK	36	0	20.36	20.34	20.33	20.7	0
15	QPSK	36	20	20.28	20.34	20.28	20.7	0
15	QPSK	36	38	20.18	20.34	20.30	20.7	0
15	QPSK	75	0	20.22	20.38	20.21	20.7	0
15	16QAM	1	0	20.18	20.22	20.26	20.7	0
15	16QAM	1	37	20.40	20.29	20.25	20.7	0
15	16QAM	1	74	20.30	20.40	20.38	20.7	0
15	16QAM	36	0	20.19	20.38	20.19	20.7	0
15	16QAM	36	20	20.15	20.42	20.42	20.7	0
15	16QAM	36	38	20.21	20.42	20.39	20.7	0
15	16QAM	75	0	20.18	20.40	20.28	20.7	0
15	84QAM	1	0	20.38	20.41	20.38	20.7	0
15	84QAM	1	37	20.25	20.37	20.29	20.7	0
15	84QAM	1	74	20.25	20.32	20.31	20.7	0
15	84QAM	36	0	20.31	20.27	20.29	20.7	0
15	84QAM	36	20	20.25	20.23	20.26	20.7	0
15	84QAM	36	38	20.27	20.36	20.30	20.7	0
15	84QAM	75	0	20.28	20.33	20.43	20.7	0
Channel								
18650 18800 18950								
Frequency (MHz)								
10	QPSK	1	0	20.32	20.43	20.42	20.7	0
10	QPSK	1	25	20.21	20.34	20.19	20.7	0
10	QPSK	1	49	20.30	20.44	20.27	20.7	0
10	QPSK	25	0	20.35	20.34	20.31	20.7	0
10	QPSK	36	0	20.36	20.41	20.27	20.7	0
10	QPSK	25	25	20.29	20.35	20.20	20.7	0
10	QPSK	50	0	20.32	20.34	20.35	20.7	0
10	16QAM	1	0	20.23	20.24	20.26	20.7	0
10	16QAM	1	25	20.32	20.36	20.30	20.7	0
10	16QAM	1	49	20.34	20.36	20.38	20.7	0
10	16QAM	25	0	20.23	20.41	20.16	20.7	0
10	16QAM	25	25	20.26	20.40	20.31	20.7	0
10	16QAM	25	25	20.32	20.47	20.41	20.7	0
10	16QAM	50	0	20.19	20.40	20.25	20.7	0
10	84QAM	1	0	20.16	20.39	20.34	20.7	0
10	84QAM	1	25	20.16	20.39	20.41	20.7	0
10	84QAM	1	49	20.20	20.28	20.29	20.7	0
10	84QAM	25	0	20.28	20.38	20.30	20.7	0
10	84QAM	25	25	20.12	20.35	20.28	20.7	0
10	84QAM	25	25	20.28	20.34	20.30	20.7	0
10	84QAM	50	0	20.32	20.44	20.35	20.7	0
Channel								
18625 18800 18975								
Frequency (MHz)								
5	QPSK	1	0	20.31	20.37	20.15	20.7	0
5	QPSK	1	12	20.19	20.42	20.31	20.7	0
5	QPSK	1	24	20.26	20.44	20.24	20.7	0
5	QPSK	12	0	20.35	20.37	20.22	20.7	0
5	QPSK	12	7	20.37	20.34	20.24	20.7	0
5	QPSK	12	13	20.17	20.36	20.23	20.7	0
5	QPSK	25	0	20.27	20.42	20.31	20.7	0
5	16QAM	1	0	20.27	20.32	20.29	20.7	0
5	16QAM	1	12	20.27	20.32	20.29	20.7	0
5	16QAM	1	24	20.33	20.35	20.32	20.7	0
5	16QAM	12	0	20.27	20.32	20.29	20.7	0
5	16QAM	12	7	20.25	20.28	20.32	20.7	0
5	16QAM	12	13	20.20	20.36	20.27	20.7	0
5	16QAM	25	0	20.31	20.46	20.28	20.7	0
5	16QAM	25	1	20.18	20.45	20.33	20.7	0
5	84QAM	1	12	20.16	20.42	20.28	20.7	0
5	84QAM	1	24	20.21	20.34	20.18	20.7	0
5	84QAM	12	0	20.28	20.39	20.28	20.7	0
5	84QAM	12	7	20.34	20.35	20.35	20.7	0
5	84QAM	12	13	20.21	20.35	20.30	20.7	0
5	84QAM	25	0	20.36	20.42	20.30	20.7	0
Channel								
18615 18800 18945								
Frequency (MHz)								
3	QPSK	1	0	20.42	20.36	20.10	20.7	0
3	QPSK	1	8	20.15	20.42	20.39	20.7	0
3	QPSK	1	14	20.30	20.39	20.31	20.7	0
3	QPSK	8	0	20.26	20.34	20.34	20.7	0
3	QPSK	8	4	20.25	20.37	20.19	20.7	0
3	QPSK	8	7	20.18	20.44	20.29	20.7	0
3	QPSK	15	0	20.30	20.35	20.23	20.7	0
3	16QAM	1	0	20.31	20.25	20.30	20.7	0
3	16QAM	1	8	20.33	20.31	20.36	20.7	0
3	16QAM	1	14	20.33	20.33	20.29	20.7	0
3	16QAM	8	0	20.29	20.35	20.27	20.7	0
3	16QAM	8	4	20.25	20.34	20.26	20.7	0
3	16QAM	8	7	20.20	20.35	20.39	20.7	0
3	16QAM	15	0	20.24	20.41	20.23	20.7	0
3	84QAM	1	0	20.37	20.36	20.40	20.7	0
3	84QAM	1	8	20.20	20.39	20.29	20.7	0
3	84QAM	1	14	20.26	20.42	20.32	20.7	0
3	84QAM	8	0	20.25	20.32	20.29	20.7	0
3	84QAM	8	4	20.22	20.32	20.26	20.7	0
3	84QAM	8	7	20.15	20.27	20.38	20.7	0
3	84QAM	15	0	20.27	20.40	20.40	20.7	0
Channel								
18607 18900 18933								
Frequency (MHz)								
1.4	QPSK	1	0	20.29	20.46	20.38	20.7	0
1.4	QPSK	1	3	20.25	20.29	20.32	20.7	0
1.4	QPSK	3	0	20.36	20.40	20.22	20.7	0
1.4	QPSK	3	1	20.39	20.38	20.34	20.7	0
1.4	QPSK	3	1	20.23	20.31	20.26	20.7	0
1.4	QPSK	3	3	20.28	20.38	20.29	20.7	0
1.4	QPSK	6	0	20.29	20.31	20.27	20.7	0
1.4	16QAM	1	0	20.19	20.31	20.26	20.7	0
1.4	16QAM	1	3	20.37	20.34	20.36	20.7	0
1.4	16QAM	1	5	20.37	20.34	20.33	20.7	0
1.4	16QAM	3	0	20.21	20.29	20.24	20.7	0
1.4	16QAM	3	1	20.15	20.37	20.35	20.7	0
1.4	16QAM	3	21	20.34	20.34	20.40	20.7	0
1.4	16QAM	6	0	20.29	20.38	20.26	20.7	0
1.4	84QAM	1	0	20.38	20.36	20.41	20.7	0
1.4	84QAM	1	3	20.24	20.37	20.30	20.7	0
1.4	84QAM	1	5	20.25	20.32	20.29	20.7	0
1.4	84QAM	3	0	20.35	20.41	20.34	20.7	0
1.4	84QAM	3	1	20.23	20.33	20.24	20.7	0
1.4	84QAM	3	3	20.19	20.23	20.37	20.7	0
1.4	84QAM	6	0	20.28	20.35	20.32	20.7	0

Band 4_Ant 3

Band 4_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dBm)	Power Power Mid Ch / Freq (dBm)	Power Power High Ch / Freq (dBm)	Turn-up limit (dBm)	MPR (dB)	
Channel									
20050 20175 20300									
Frequency (MHz)									
20	QPSK	1	0	20.27	20.30	20.26			
20	QPSK	1	49	20.22	20.26	20.15	20.9	0	
20	QPSK	1	99	20.22	20.26	20.15			
20	QPSK	36	0	20.17	20.24	20.15			
20	QPSK	50	0	20.25	20.27	20.24	20.9	0	
20	QPSK	50	24	20.24	20.19	20.23			
20	QPSK	50	50	20.17	20.24	20.21			
20	QPSK	50	75	20.15	20.21	20.17			
20	16QAM	1	0	20.19	20.17	20.22			
20	16QAM	1	49	20.18	20.21	20.16	20.9	0	
20	16QAM	1	99	20.15	20.20	20.16			
20	16QAM	36	0	20.22	20.18	20.16			
20	16QAM	50	0	20.22	20.18	20.21	20.9	0	
20	16QAM	50	24	20.20	20.18	20.21			
20	16QAM	50	50	20.23	20.24	20.21			
20	16QAM	50	75	20.24	20.25	20.22			
20	84QAM	1	0	20.12	20.26	20.23			
20	84QAM	1	49	20.20	20.18	20.12	20.9	0	
20	84QAM	1	99	20.12	20.13	20.19			
20	84QAM	36	0	20.12	20.26	20.17			
20	84QAM	50	0	20.12	20.26	20.17	20.9	0	
20	84QAM	50	24	20.19	20.26	20.20			
20	84QAM	50	50	20.26	20.24	20.24			
20	84QAM	50	75	20.22	20.24	20.24			
Channel									
20025 20175 20305									
Frequency (MHz)									
15	QPSK	1	0	17.17.5	17.22.5	17.17.5	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.14	20.22	20.15	20.9	0	
15	QPSK	1	74	20.20	20.18	20.14			
15	QPSK	36	0	20.14	20.12	20.10			
15	QPSK	36	29	20.12	20.16	20.15	20.9	0	
15	QPSK	36	50	20.18	20.18	20.17			
15	QPSK	75	0	20.10	20.16	20.01			
15	16QAM	1	0	20.17	20.13	20.16	20.9	0	
15	16QAM	1	74	20.14	20.10	20.11			
15	16QAM	1	74	20.10	20.13	20.11			
15	16QAM	36	0	20.12	20.14	20.04			
15	16QAM	36	29	20.07	20.16	20.05	20.9	0	
15	16QAM	36	50	20.18	20.18	20.17			
15	16QAM	75	0	20.16	20.20	20.01			
15	16QAM	75	0	20.10	20.16	20.14			
15	84QAM	1	0	20.07	20.21	20.21	20.9	0	
15	84QAM	1	74	20.17	20.15	20.08			
15	84QAM	1	74	19.97	20.13	20.08			
15	84QAM	36	0	20.11	20.18	20.04			
15	84QAM	36	29	20.07	20.16	20.05	20.9	0	
15	84QAM	36	50	20.18	20.18	20.17			
15	84QAM	75	0	20.22	20.16	20.09			
15	84QAM	75	0	20.09	20.23	20.18			
Channel									
20030 20175 20350									
Frequency (MHz)									
10	QPSK	1	0	17.11.5	17.22.5	17.11.5	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	28	20.14	20.22	20.08	20.9	0	
10	QPSK	1	49	20.15	20.11	20.17			
10	QPSK	1	99	20.17	20.15	20.11			
10	QPSK	25	12	20.16	20.06	20.10	20.9	0	
10	QPSK	25	28	20.09	20.10	20.12			
10	QPSK	50	0	20.02	20.04	20.06			
10	16QAM	1	0	20.10	20.14	20.09			
10	16QAM	1	28	20.09	20.07	20.02			
10	16QAM	1	49	20.13	20.16	20.09			
10	16QAM	1	99	20.12	20.13	20.07			
10	16QAM	25	12	20.16	20.15	20.15	20.9	0	
10	16QAM	25	28	20.19	20.12	20.08			
10	16QAM	50	0	20.14	20.19	20.10			
10	84QAM	1	0	20.08	20.18	20.19			
10	84QAM	1	28	20.05	20.09	20.05	20.9	0	
10	84QAM	1	49	20.11	20.14	20.17			
10	84QAM	1	99	20.08	20.12	20.15			
10	84QAM	25	12	20.14	20.15	20.15	20.9	0	
10	84QAM	25	28	20.21	20.21	20.21			
10	84QAM	50	0	20.16	20.20	20.12			
Channel									
19975 20175 20385									
Frequency (MHz)									
5	QPSK	1	0	20.17	20.15	20.20			
5	QPSK	1	12	20.10	20.27	20.13	20.9	0	
5	QPSK	1	12	20.12	20.20	20.11			
5	QPSK	12	0	20.16	20.18	20.10			
5	QPSK	12	7	20.12	20.07	20.14	20.9	0	
5	QPSK	12	12	20.17	20.25	20.11			
5	QPSK	25	0	20.14	20.15	20.09			
5	16QAM	1	0	20.09	20.02	20.12			
5	16QAM	1	12	20.16	20.07	20.03			
5	16QAM	1	12	20.02	20.22	20.03			
5	16QAM	12	0	20.13	20.05	20.00			
5	16QAM	12	7	20.12	20.14	20.13	20.9	0	
5	16QAM	12	12	20.14	20.21	20.08			
5	84QAM	1	0	20.10	20.22	20.07			
5	84QAM	1	12	20.00	20.13	20.08			
5	84QAM	1	12	20.05	20.07	19.99	20.9	0	
5	84QAM	1	25	20.09	20.21	20.11			
5	84QAM	12	0	20.03	20.19	20.08			
5	84QAM	12	7	20.06	20.22	20.17	20.9	0	
5	84QAM	12	12	20.20	20.21	20.10			
5	84QAM	25	0	20.10	20.10	20.07			
Channel									
19965 20175 20385									
Frequency (MHz)									
3	QPSK	1	0	20.12	20.22	20.13			
3	QPSK	1	0	20.12	20.26	20.04	20.9	0	
3	QPSK	1	14	20.12	20.13	20.03			
3	QPSK	8	0	20.10	20.12	20.09			
3	QPSK	8	7	20.03	20.20	20.19	20.9	0	
3	QPSK	8	7	20.12	20.10	20.11			
3	QPSK	15	0	20.07	20.04	19.99			
3	16QAM	1	0	20.15	20.10	20.21			
3	16QAM	1	0	20.15	20.19	20.16	20.9	0	
3	16QAM	1	14	20.09	20.27	20.03			
3	16QAM	8	0	20.19	20.05	20.11			
3	16QAM	8	7	20.12	20.10	20.10	20.9	0	
3	16QAM	8	7	20.11	20.18	20.20			
3	16QAM	15	0	20.10	20.19	20.15			
3	84QAM	1	0	20.04	20.26	20.21			
3	84QAM	1	14	20.13	20.17	20.07	20.9	0	
3	84QAM	1	14	19.98	20.04	20.05			
3	84QAM	8	0	20.07	20.16	20.09			
3	84QAM	8	7	20.14	20.11	20.15			
3	84QAM	8	7	20.11	20.22	20.23	20.9	0	
3	84QAM	15	0	20.12	20.13	20.17			
Channel									
19977 20175 17663									
Frequency (MHz)									
1.4	QPSK	1	0	20.18	20.23	20.11			
1.4	QPSK	1	3	20.18	20.23	20.10			
1.4	QPSK	1	5	20.20	20.13	20.11	20.9	0	
1.4	QPSK	1	7	20.22	20.25	20.11			
1.4	QPSK	3	1	20.18	20.06	20.14			
1.4	QPSK	3	3	20.02	20.14	20.08			
1.4	QPSK	3	5	20.05	20.19	19.97	20.9	0	
1.4	16QAM	1	0	20.09	20.15	20.20			
1.4	16QAM	1	3	20.13	20.20	20.11			
1.4	16QAM	1	5	20.11	20.27	20.15	20.9	0	
1.4	16QAM	1	7	20.16	20.21	20.08			
1.4	16QAM	3	1	20.15	20.12	20.11			
1.4	16QAM	3	3	20.20	20.21	20.09	20.9	0	
1.4	16QAM	3	5	20.20	20.20	20.12			
1.4	84QAM	1	0	19.99	20.20	20.14			
1.4	84QAM	1	3	20.11	20.08	20.09			
1.4	84QAM	1	5	20.08	20.20	20.14	20.9	0	
1.4	84QAM	1	7	19.99	20.23	20.06			
1.4	84QAM	3	1	20.04	20.17	20.16			
1.4	84QAM	3	3	20.23	20.13	20.09	20.9	0	

Band 7_Ant 3

Band 7 Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Med Ch / Freq	Power High Ch / Freq	Tune-up freq (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				20650	21100	21550			
20	QPSK	1	0	19.01	19.10	19.25			
20	QPSK	1	49	18.93	19.00	19.32	19.5	0	
20	QPSK	1	98	18.90	19.01	19.36			
20	QPSK	50	0	18.98	19.07	19.33			
20	QPSK	50	24	18.94	19.02	19.31			
20	QPSK	50	50	18.89	19.01	18.96			
20	QPSK	100	0	18.86	19.02	19.00			
20	16QAM	1	0	18.92	19.01	19.31			
20	16QAM	1	49	18.94	19.00	19.33	19.5	0	
20	16QAM	1	98	18.90	19.02	19.34			
20	16QAM	50	0	18.90	19.07	18.99			
20	16QAM	50	24	18.97	19.05	19.30			
20	16QAM	50	50	18.97	19.06	18.98			
20	16QAM	100	0	18.86	19.07	19.03			
20	84QAM	1	0	18.86	18.98	18.98			
20	84QAM	1	49	18.91	19.06	18.92	19.5	0	
20	84QAM	1	98	18.87	19.06	18.98			
20	84QAM	50	0	18.86	19.04	18.91			
20	84QAM	50	24	18.86	19.08	18.94			
20	84QAM	50	50	18.86	18.99	18.99	19.5	0	
20	84QAM	100	0	18.96	19.02	18.95			
Channel									
Frequency (MHz)				2057.5	21100	21575	Tune-up freq (dBm)	MFR (dB)	
15	QPSK	1	0	18.93	19.04	18.92			
15	QPSK	1	37	18.87	18.97	18.93	19.5	0	
15	QPSK	1	74	18.84	19.05	18.83			
15	QPSK	36	0	18.92	18.92	19.01			
15	QPSK	36	20	18.80	18.87	18.99			
15	QPSK	36	38	18.77	18.95	18.95			
15	QPSK	75	0	18.71	18.93	18.97			
15	16QAM	1	0	18.83	18.94	18.91			
15	16QAM	1	37	18.80	18.93	18.98	19.5	0	
15	16QAM	1	74	18.87	18.93	19.01			
15	16QAM	36	0	18.89	18.92	18.95			
15	16QAM	36	20	18.86	18.92	18.95			
15	16QAM	36	38	18.87	18.95	18.94			
15	16QAM	75	0	18.84	19.04	18.94			
15	84QAM	1	0	18.73	18.87	18.84			
15	84QAM	1	37	18.85	18.95	18.98			
15	84QAM	1	74	18.85	18.94	18.83			
15	84QAM	36	0	18.78	18.93	18.85			
15	84QAM	36	20	18.72	18.86	18.81	19.5	0	
15	84QAM	36	38	18.72	18.87	18.84			
15	84QAM	75	0	18.68	18.85	18.85			
Channel									
Frequency (MHz)				20800	21100	21400	Tune-up freq (dBm)	MFR (dB)	
10	QPSK	1	0	18.97	18.96	18.96			
10	QPSK	1	25	18.89	18.92	18.85	19.5	0	
10	QPSK	1	49	18.89	18.97	18.84			
10	QPSK	25	0	18.92	18.92	18.92			
10	QPSK	25	12	18.83	18.86	18.99			
10	QPSK	25	25	18.81	18.90	18.89			
10	QPSK	50	0	18.84	18.97	18.90			
10	16QAM	1	0	18.83	19.00	18.90			
10	16QAM	1	25	18.79	18.93	18.97	19.5	0	
10	16QAM	1	49	18.86	18.98	18.99			
10	16QAM	25	0	18.78	19.01	18.84			
10	16QAM	25	12	18.80	19.01	18.85			
10	16QAM	25	25	18.96	18.97	18.88			
10	16QAM	50	0	18.75	19.01	19.01			
10	84QAM	1	0	18.85	18.83	18.85			
10	84QAM	1	25	18.81	18.99	18.80	19.5	0	
10	84QAM	1	49	18.79	18.99	18.96			
10	84QAM	25	0	18.80	19.04	18.78			
10	84QAM	25	12	18.81	19.01	18.83			
10	84QAM	25	25	18.83	18.90	18.91	19.5	0	
10	84QAM	50	0	18.93	18.89	18.85			
Channel									
Frequency (MHz)				2052.5	21100	21425	Tune-up freq (dBm)	MFR (dB)	
5	QPSK	1	0	18.93	19.05	19.01			
5	QPSK	1	24	18.91	18.95	18.81	19.5	0	
5	QPSK	1	48	18.91	18.93	18.88			
5	QPSK	12	0	18.86	19.00	18.94			
5	QPSK	12	7	18.91	18.92	18.97	19.5	0	
5	QPSK	12	13	18.74	18.98	18.94			
5	QPSK	25	0	18.82	19.01	18.96			
5	16QAM	1	0	18.90	18.88	18.95			
5	16QAM	1	12	18.79	18.83	18.89	19.5	0	
5	16QAM	1	24	18.75	18.88	18.98			
5	16QAM	12	0	18.83	19.02	18.86			
5	16QAM	12	7	18.93	18.91	18.81	19.5	0	
5	16QAM	12	13	18.92	18.94	18.85			
5	16QAM	25	0	18.71	18.99	18.94			
5	16QAM	25	12	18.81	19.01	18.83			
5	84QAM	1	0	18.83	18.97	18.94			
5	84QAM	1	12	18.77	19.02	18.87	19.5	0	
5	84QAM	12	0	18.82	19.02	18.78			
5	84QAM	12	7	18.72	18.99	18.91			
5	84QAM	12	13	18.74	18.83	18.97			
5	84QAM	25	0	18.92	18.89	18.92			

Band 26_Ant 0

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq (dB)	Power Med Ch / Freq (dB)	Power High Ch / Freq (dB)	Tune-up freq (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20765	20655	20595			
				821.5	831.5	841.5			
15	QPSK	1	0	23.87	23.88	23.83			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.82	22.87	22.80			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	38	22.80	22.82	22.72			
15	QPSK	75	0	22.78	22.86	22.77			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	38	21.78	21.82	21.74			
15	16QAM	75	0	21.86	21.83	21.78			
15	84QAM	1	0	21.99	21.94	22.00			
15	84QAM	1	37	22.03	21.98	21.90	22.8	2	
15	84QAM	1	74	21.95	21.91	21.82			
15	84QAM	36	0	20.85	20.83	20.79			
15	84QAM	36	20	20.87	20.85	20.78	21.8	3	
15	84QAM	36	38	20.83	20.83	20.75			
15	84QAM	75	0	20.83	20.80	20.76			
Channel									
Frequency (MHz)				20740	20655	20595	Tune-up freq (dBm)	MPR (dB)	
				819.5	831.5	843.5			
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.76	24.8	0	
10	QPSK	1	49	23.80	23.71	23.69			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.68	22.81	22.66			
10	QPSK	50	0	22.66	22.71	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.97	23.8	1	
10	16QAM	1	49	22.93	22.92	22.81			
10	16QAM	25	0	21.74	21.80	21.66			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.66	21.73	21.67			
10	16QAM	50	0	21.73	21.77	21.66			
10	84QAM	1	0	21.84	21.87	21.84			
10	84QAM	1	25	21.98	21.93	21.84	22.8	2	
10	84QAM	1	49	21.92	21.87	21.74			
10	84QAM	25	0	20.76	20.73	20.67			
10	84QAM	25	12	20.78	20.76	20.69	21.8	3	
10	84QAM	25	25	20.77	20.77	20.68			
10	84QAM	50	0	20.81	20.68	20.66			
Channel									
Frequency (MHz)				20715	20655	27015	Tune-up freq (dBm)	MPR (dB)	
				816.5	831.5	847.5			
5	QPSK	1	0	23.84	23.79	23.80			
5	QPSK	1	12	23.83	23.73	23.73	24.8	0	
5	QPSK	1	24	23.76	23.66	23.56			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	12	22.76	22.68	22.68	23.8	1	
5	QPSK	12	13	22.79	22.72	22.70			
5	QPSK	25	0	22.67	22.81	22.73			
5	16QAM	1	0	23.08	22.98	22.93			
5	16QAM	1	12	22.99	23.00	22.91	23.8	1	
5	16QAM	1	24	22.96	22.83	22.91			
5	16QAM	12	0	21.82	21.77	21.62			
5	16QAM	12	12	21.76	21.69	21.62	22.8	2	
5	16QAM	12	13	21.66	21.79	21.61			
5	16QAM	25	0	21.73	21.69	21.61			
5	16QAM	25	1	21.91	21.90	21.91	21.8	3	
5	84QAM	1	0	20.91	21.86	21.82			
5	84QAM	1	24	21.87	21.74	21.78			
5	84QAM	12	0	20.76	20.76	20.64			
5	84QAM	12	7	20.75	20.80	20.64	21.8	3	
5	84QAM	12	12	20.73	20.77	20.64			
5	84QAM	25	0	20.81	20.65	20.69			
Channel									
Frequency (MHz)				20705	20655	27025	Tune-up freq (dBm)	MPR (dB)	
				816.5	831.5	847.5			
3	QPSK	1	0	23.84	23.79	23.80			
3	QPSK	1	14	23.75	23.69	23.57	24.8	0	
3	QPSK	8	0	22.72	22.81	22.74			
3	QPSK	8	7	22.76	22.72	22.65	23.8	1	
3	QPSK	8	7	22.74	22.79	22.70			
3	QPSK	15	0	22.67	22.76	22.65			
3	16QAM	1	0	22.97	22.98	22.97			
3	16QAM	1	14	22.99	23.00	22.96	23.8	1	
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.75	21.69			
3	16QAM	8	7	21.75	21.74	21.67	22.8	2	
3	16QAM	8	7	21.69	21.73	21.67			
3	16QAM	15	0	21.76	21.73	21.67			
3	84QAM	1	0	21.84	21.79	21.86			
3	84QAM	1	14	21.90	21.85	21.81	22.8	2	
3	84QAM	1	14	21.80	21.82	21.81			
3	84QAM	8	0	20.76	20.73	20.66			
3	84QAM	8	4	20.83	20.75	20.73	21.8	3	
3	84QAM	8	8	20.80	20.77	20.64			
3	84QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)				20697	20655	27033	Tune-up freq (dBm)	MPR (dB)	
				814.7	831.5	846.3			
1.4	QPSK	1	0	23.86	23.80	23.65			
1.4	QPSK	1	0	23.82	23.79	23.77	24.8	0	
1.4	QPSK	1	5	23.86	23.80	23.71			
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	1	23.85	23.79	23.67	23.8	1	
1.4	QPSK	3	8	23.84	23.75	23.70			
1.4	QPSK	6	0	22.83	22.77	22.68	23.8	1	
1.4	16QAM	1	0	23.06	23.05	22.99			
1.4	16QAM	1	0	23.06	23.05	22.99			
1.4	16QAM	1	5	23.09	23.04	22.94	23.8	1	
1.4	16QAM	3	0	22.80	22.79	22.66			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	1	22.84	22.77	22.70			
1.4	16QAM	6	0	21.89	21.86	21.78	22.8	2	
1.4	84QAM	1	0	21.97	21.96	21.89			
1.4	84QAM	1	3	21.96	21.93	21.87			
1.4	84QAM	1	3	22.01	21.99	21.81	22.8	2	
1.4	84QAM	3	0	21.96	21.86	21.79			
1.4	84QAM	3	1	21.83	21.87	21.79			
1.4	84QAM	3	1	21.92	21.91	21.79	21.8	3	
1.4	84QAM	6	0	20.79	20.74	20.67			

Reduced Power Mode for EC110

Band 2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mod Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				18700	18800	19100			
20	QPSK	1	0	15.00	15.08	15.05			
20	QPSK	1	49	14.79	14.90	14.79	15.2	0	
20	QPSK	1	99	14.89	15.05	14.93			
20	QPSK	50	0	14.95	15.00	15.00			
20	QPSK	50	24	14.97	15.00	14.92	15.2	0	
20	QPSK	50	39	14.92	14.90	14.90			
20	QPSK	100	0	14.95	15.03	14.96			
20	16QAM	1	0	14.82	14.86	14.78			
20	16QAM	1	49	14.79	14.90	14.79	15.2	0	
20	16QAM	1	99	14.99	14.81	14.74			
20	16QAM	50	0	14.93	14.96	14.80			
20	16QAM	50	24	14.95	14.90	14.82	15.2	0	
20	16QAM	50	39	14.98	15.04	14.96			
20	16QAM	100	0	14.87	15.00	14.94			
20	64QAM	1	0	14.92	15.04	14.77			
20	64QAM	1	49	14.84	15.00	14.96	15.2	0	
20	64QAM	1	99	14.90	14.86	14.89			
20	64QAM	50	0	14.83	15.04	14.99			
20	64QAM	50	24	14.94	14.97	14.82	15.2	0	
20	64QAM	50	39	14.93	14.90	14.98			
20	64QAM	100	0	14.97	14.84	14.88			
Channel									
Frequency (MHz)				18875	18900	19125	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.07	15.00	15.00			
15	QPSK	1	37	14.80	14.80	14.88	15.2	0	
15	QPSK	1	74	14.85	14.96	14.97			
15	QPSK	36	0	14.99	15.02	14.98			
15	QPSK	36	29	14.83	14.81	14.81	15.2	0	
15	QPSK	36	39	14.83	14.82	14.86			
15	QPSK	75	0	14.99	15.02	14.92			
15	16QAM	1	0	14.86	14.99	14.77			
15	16QAM	1	37	14.79	14.94	14.85	15.2	0	
15	16QAM	1	74	14.91	14.92	14.80			
15	16QAM	36	0	14.82	15.02	14.80			
15	16QAM	36	29	14.97	15.01	14.87	15.2	0	
15	16QAM	36	39	14.91	15.00	14.91			
15	16QAM	75	0	14.88	15.04	14.82			
15	64QAM	1	0	14.93	14.96	14.80	15.2	0	
15	64QAM	1	37	14.81	15.00	14.83			
15	64QAM	1	74	15.00	14.97	14.81			
15	64QAM	36	0	14.84	15.01	14.94			
15	64QAM	36	29	14.95	15.00	14.84	15.2	0	
15	64QAM	36	39	14.90	14.94	14.77			
15	64QAM	75	0	14.90	14.96	14.83			
Channel									
Frequency (MHz)				18850	18900	19150	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.01	15.00	15.00			
10	QPSK	1	25	14.89	14.86	14.93	15.2	0	
10	QPSK	1	49	14.83	14.91	14.94			
10	QPSK	25	0	14.90	14.90	14.90			
10	QPSK	25	12	14.90	14.90	14.87	15.2	0	
10	QPSK	25	25	14.92	14.93	14.89			
10	QPSK	50	0	14.92	14.96	14.90			
10	16QAM	1	0	14.80	14.86	14.73			
10	16QAM	1	25	14.90	14.80	14.79	15.2	0	
10	16QAM	1	49	14.88	14.94	14.76			
10	16QAM	25	0	14.84	15.00	14.84			
10	16QAM	25	12	15.00	14.90	14.86	15.2	0	
10	16QAM	25	25	14.96	14.93	14.88			
10	16QAM	50	0	14.88	14.98	14.83			
10	16QAM	50	25	14.85	15.00	14.85	15.2	0	
10	64QAM	1	0	14.81	15.03	14.92			
10	64QAM	1	49	14.86	14.86	14.87			
10	64QAM	25	0	14.80	15.06	14.98			
10	64QAM	25	12	15.04	15.04	14.87	15.2	0	
10	64QAM	25	25	14.94	15.01	14.85			
10	64QAM	50	0	15.01	15.01	14.82			
Channel									
Frequency (MHz)				18925	18950	19075	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.04	15.07	15.01			
5	QPSK	1	12	14.87	14.89	14.89	15.2	0	
5	QPSK	1	24	14.90	14.94	14.91			
5	QPSK	12	0	14.94	14.98	14.92			
5	QPSK	12	7	14.94	15.01	14.83	15.2	0	
5	QPSK	12	13	14.96	14.87	14.96			
5	QPSK	25	0	14.88	14.98	14.88			
5	16QAM	1	0	14.88	14.94	14.86			
5	16QAM	1	12	14.79	14.92	14.78	15.2	0	
5	16QAM	1	24	15.00	14.86	14.86			
5	16QAM	12	0	14.93	15.00	14.86			
5	16QAM	12	7	14.96	14.94	14.77	15.2	0	
5	16QAM	12	13	15.00	14.86	14.89			
5	16QAM	25	0	14.83	15.04	14.89			
5	64QAM	1	0	14.96	15.03	14.79			
5	64QAM	1	12	14.95	14.91	14.86	15.2	0	
5	64QAM	1	24	14.89	14.96	14.86			
5	64QAM	12	0	14.84	15.00	14.86			
5	64QAM	12	7	14.90	14.89	14.85	15.2	0	
5	64QAM	12	13	14.97	14.85	14.91			
5	64QAM	25	0	14.85	15.01	14.75			
Channel									
Frequency (MHz)				18915	18950	19085	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	14.95	14.98	14.99			
3	QPSK	1	8	14.89	14.89	14.93	15.2	0	
3	QPSK	1	14	14.83	14.94	14.88			
3	QPSK	8	0	14.89	15.00	14.85			
3	QPSK	8	4	14.94	14.96	14.83	15.2	0	
3	QPSK	8	7	14.93	14.89	14.84			
3	QPSK	15	0	14.94	14.98	14.87			
3	16QAM	1	0	14.83	14.98	14.77			
3	16QAM	1	8	14.84	14.85	14.80	15.2	0	
3	16QAM	1	14	14.90	14.90	14.86			
3	16QAM	8	0	14.82	15.07	14.87			
3	16QAM	8	4	14.94	14.98	14.83	15.2	0	
3	16QAM	8	7	15.04	14.90	14.91			
3	16QAM	15	0	14.85	14.93	14.86			
3	64QAM	1	0	14.85	14.99	14.75			
3	64QAM	1	8	14.91	14.86	14.80	15.2	0	
3	64QAM	1	14	14.90	14.99	14.86			
3	64QAM	8	0	14.78	15.02	14.87			
3	64QAM	8	4	14.89	14.91	14.83	15.2	0	
3	64QAM	8	7	14.88	14.93	14.78			
3	64QAM	15	0	15.02	15.00	14.76			
Channel									
Frequency (MHz)				18907	18950	19103	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	14.93	15.08	14.98			
1.4	QPSK	1	3	14.80	14.89	14.94	15.2	0	
1.4	QPSK	1	5	14.85	14.98	14.83			
1.4	QPSK	3	0	14.93	14.96	14.94			
1.4	QPSK	3	1	14.94	15.02	14.93			
1.4	QPSK	3	14	14.92	14.87	14.83	15.2	0	
1.4	QPSK	6	0	14.98	15.00	14.95			
1.4	16QAM	1	0	14.93	14.88	14.85			
1.4	16QAM	1	3	14.80	14.93	14.84	15.2	0	
1.4	16QAM	1	5	14.87	14.87	14.78			
1.4	16QAM	3	0	14.85	14.94	14.86			
1.4	16QAM	3	1	14.90	14.90	14.89			
1.4	16QAM	3	14	14.95	14.90	14.86	15.2	0	
1.4	16QAM	6	0	14.96	14.92	14.94			
1.4	64QAM	1	0	14.87	14.96	14.78			
1.4	64QAM	1	3	14.86	14.90	14.85	15.2	0	
1.4	64QAM	1	5	14.89	14.92	14.88			
1.4	64QAM	3	0	14.81	15.02	14.90			
1.4	64QAM	3	1	14.91	14.84	14.82			
1.4	64QAM	3	14	14.92	14.80	14.86	15.2	0	
1.4	64QAM	6	0	14.93	15.03	14.83			

Band 4_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Power High Ch.	Power Mod Ch./Power High Ch.	Power Power High Ch./Power High Ch.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20050	20175	20300			
20	QPSK	1	0	15.88	15.93	15.81			
20	QPSK	1	49	15.81	15.80	15.72	16.4	0	
20	QPSK	50	0	15.75	15.87	15.64			
20	QPSK	50	24	15.73	15.86	15.69	16.4	0	
20	QPSK	50	50	15.71	15.84	15.70			
20	QPSK	100	0	15.77	15.84	15.81			
20	16QAM	1	0	15.79	15.87	15.83			
20	16QAM	1	49	15.83	15.86	15.82	16.4	0	
20	16QAM	1	99	15.92	15.77	15.84			
20	16QAM	50	0	15.76	15.81	15.74			
20	16QAM	50	24	15.88	15.74	15.83	16.4	0	
20	16QAM	50	50	15.78	15.81	15.85			
20	16QAM	100	0	15.79	15.84	15.83			
20	16QAM	1	0	15.78	15.88	15.75			
20	16QAM	1	49	15.80	15.86	15.77	16.4		
20	16QAM	1	99	15.81	15.87	15.83			
20	16QAM	50	0	15.80	15.88	15.67			
20	16QAM	50	24	15.79	15.85	15.77	16.4		
20	16QAM	50	50	15.80	15.85	15.80			
20	16QAM	100	0	15.78	15.75	15.83			
Channel									
Frequency (MHz)				20025	20175	20325	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.17.5	17.22.5	17.47.5			
15	QPSK	1	37	16.78	16.73	16.84	17.5	16.4	0
15	QPSK	1	74	16.69	16.67	16.58			
15	QPSK	36	0	16.66	16.76	16.82			
15	QPSK	36	20	16.72	16.73	16.58	16.4	0	
15	QPSK	36	52	16.61	16.61	16.51			
15	QPSK	75	0	15.75	15.78	15.78			
15	16QAM	1	0	16.64	16.77	16.82			
15	16QAM	1	37	16.76	16.73	16.81	16.4	0	
15	16QAM	1	74	16.65	16.64	16.69			
15	16QAM	36	0	16.69	16.79	16.81			
15	16QAM	36	20	16.81	16.64	16.73	16.4	0	
15	16QAM	36	52	16.61	16.65	16.73			
15	16QAM	75	0	15.67	15.68	15.73			
15	16QAM	1	0	16.66	16.61	16.73			
15	16QAM	1	37	16.73	16.75	16.74	16.4		
15	16QAM	1	74	16.73	16.78	16.85			
15	16QAM	36	0	16.71	16.84	16.78			
15	16QAM	36	20	16.74	16.78	16.75	16.4	0	
15	16QAM	36	52	16.67	16.78	16.81			
15	16QAM	75	0	15.66	15.61	15.65			
Channel									
Frequency (MHz)				20000	20175	20350	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	17.16	17.23	17.60			
10	QPSK	1	25	15.73	15.76	15.76	16.4	0	
10	QPSK	1	49	16.73	16.75	16.58			
10	QPSK	12	0	16.62	16.76	16.70			
10	QPSK	25	12	16.69	16.76	16.57	16.4	0	
10	QPSK	25	26	15.56	15.83	15.57			
10	QPSK	50	0	16.66	16.70	16.60			
10	16QAM	1	0	16.68	16.75	16.69			
10	16QAM	1	25	16.72	16.83	16.85	16.4	0	
10	16QAM	1	49	16.88	16.73	16.70			
10	16QAM	12	0	16.64	16.76	16.66			
10	16QAM	25	12	16.85	16.73	16.73	16.4	0	
10	16QAM	25	26	15.72	15.83	15.82			
10	16QAM	50	0	16.71	16.63	16.74			
10	16QAM	50	12	16.72	16.82	16.81	16.4	0	
10	16QAM	1	25	16.67	16.74	16.72			
10	16QAM	1	49	16.68	16.83	16.78			
10	16QAM	1	74	16.72	16.86	16.81	16.4	0	
10	16QAM	25	12	16.73	16.74	16.64			
10	16QAM	25	26	16.70	16.77	16.75	16.4	0	
10	16QAM	50	0	16.66	16.67	16.67			
Channel									
Frequency (MHz)				1712.5 <th>1732.5<th>1752.5<th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	1732.5 <th>1752.5<th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	1752.5 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	16.81	15.88	15.87			
5	QPSK	1	12	16.74	16.64	16.85	16.4	0	
5	QPSK	12	0	16.70	16.62	16.55			
5	QPSK	12	0	15.73	15.80	15.80			
5	QPSK	12	7	16.62	16.72	16.65			
5	QPSK	12	13	16.68	16.76	16.76			
5	QPSK	25	0	15.80	15.80	16.70			
5	16QAM	1	0	16.71	15.77	15.77			
5	16QAM	1	12	16.79	16.75	16.84	16.4	0	
5	16QAM	1	12	16.88	15.76	15.81			
5	16QAM	12	0	15.74	15.69	15.72			
5	16QAM	12	7	16.85	16.73	16.70	16.4	0	
5	16QAM	12	13	16.81	16.70	16.71			
5	16QAM	25	0	16.76	16.76	16.74			
5	16QAM	1	0	16.76	15.77	16.80			
5	16QAM	1	12	16.79	16.76	16.84	16.4	0	
5	16QAM	1	12	16.77	15.77	16.83			
5	16QAM	12	0	16.67	15.82	15.79			
5	16QAM	12	7	16.77	15.71	16.67	16.4	0	
5	16QAM	12	13	16.71	15.82	15.85			
5	16QAM	25	0	15.74	15.66	15.67			
Channel									
Frequency (MHz)				16965 <th>17015<th>17065</th><th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	17015 <th>17065</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	17065	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	17.17	17.32	17.53.5			
3	QPSK	1	0	16.77	16.89	16.83	16.4	0	
3	QPSK	1	14	16.78	16.76	16.60			
3	QPSK	8	0	16.62	16.73	16.61			
3	QPSK	8	7	16.68	16.75	16.56	16.4	0	
3	QPSK	8	7	15.67	15.79	15.73			
3	16QAM	15	0	16.64	16.70	16.70			
3	16QAM	1	0	16.77	16.84	16.71			
3	16QAM	1	14	16.71	16.72	16.52	16.4	0	
3	16QAM	1	14	15.90	15.73	15.78			
3	16QAM	8	0	16.60	16.80	16.61			
3	16QAM	8	7	16.76	16.66	16.66	16.4	0	
3	16QAM	8	7	16.68	16.73	16.76			
3	16QAM	15	0	16.77	16.63	16.76			
3	16QAM	15	0	16.68	16.73	16.73	16.4	0	
3	16QAM	1	0	16.70	15.72	15.71			
3	16QAM	1	14	16.74	15.79	15.72			
3	16QAM	8	0	16.68	16.67	16.76			
3	16QAM	8	7	16.76	15.72	15.78	16.4	0	
3	16QAM	8	7	15.68	15.62	15.71			
3	16QAM	15	0	16.73	16.62	16.71	16.4	0	
Channel									
Frequency (MHz)				1719.7 <th>1732.5<th>1756.3<th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	1732.5 <th>1756.3<th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	1756.3 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	15.79	15.83	15.82			
1.4	QPSK	1	0	15.83	15.73	15.78			
1.4	QPSK	1	8	16.89	16.76	16.62	16.4	0	
1.4	QPSK	3	0	15.61	15.80	15.81			
1.4	QPSK	3	3	15.70	15.82	15.67			
1.4	QPSK	3	3	15.59	15.69	15.69	16.4	0	
1.4	QPSK	3	3	15.68	15.73	15.73			
1.4	16QAM	1	0	16.64	15.73	15.75			
1.4	16QAM	1	3	16.71	15.84	15.83			
1.4	16QAM	1	3	16.84	15.70	15.75	16.4	0	
1.4	16QAM	3	0	16.74	15.73	15.64			
1.4	16QAM	3	1	16.79	15.68	15.68			
1.4	16QAM	3	3	16.67	15.66	16.77	16.4	0	
1.4	16QAM	3	3	16.78	15.64	15.74			
1.4	16QAM	1	3	16.76	15.75	15.69			
1.4	16QAM	1	3	16.71	15.83	16.65			
1.4	16QAM	3	0	16.78	15.84	16.65	16.4	0	
1.4	16QAM	3	3	16.70	15.77	15.78			
1.4	16QAM	3	1	16.75	15.83	16.65			
1.4	16QAM	3	3	16.70	15.79	16.81	16.4	0	
1.4	16QAM	3	3	16.72	15.75	16.81			

Band 7_Ant 3															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	18.10	21.00	21.50	18.5	0							
20	QPSK	1	49	18.04	20.99	21.50									
20	QPSK	1	99	17.97	18.06	17.86									
20	QPSK	50	0	18.05	18.05	18.02									
20	QPSK	50	24	18.04	18.00	18.01	18.5	0							
20	QPSK	50	50	17.93	17.99	18.02									
20	QPSK	100	0	18.01	18.03	17.93									
20	16QAM	1	0	18.03	18.07	17.96									
20	16QAM	1	49	17.92	17.99	17.93	18.5	0							
20	16QAM	1	99	17.93	18.02	17.96									
20	16QAM	50	0	17.63	17.76	17.87									
20	16QAM	50	24	17.64	17.69	17.70									
20	16QAM	50	50	17.71	17.84	17.96	18.5	0							
20	16QAM	100	0	17.72	17.85	17.92									
20	64QAM	1	0	17.90	17.90	17.89									
20	64QAM	1	49	17.94	17.96	18.02									
20	64QAM	1	99	17.99	18.06	18.09	18.5	0							
20	64QAM	50	0	18.02	18.09	17.90									
20	64QAM	50	24	17.99	17.82	17.86									
20	64QAM	50	50	17.94	18.00	17.72									
20	64QAM	100	0	17.95	17.93	17.93									
Channel															
Frequency (MHz)															
15	QPSK	1	0	17.67	20.05	20.615	18.5	0							
15	QPSK	1	37	17.90	17.83	17.88									
15	QPSK	1	74	17.89	17.96	17.74									
15	QPSK	36	0	18.04	18.00	18.07									
15	QPSK	36	25	17.98	17.92	17.92	18.5	0							
15	QPSK	36	39	17.87	17.94	17.96									
15	QPSK	75	0	17.95	17.97	17.87									
15	16QAM	1	0	17.88	17.92	17.84									
15	16QAM	1	37	17.86	17.94	17.81	18.5	0							
15	16QAM	1	74	17.78	18.01	17.90									
15	16QAM	36	0	17.61	17.64	17.79									
15	16QAM	36	25	17.63	17.79	17.81									
15	16QAM	36	39	17.57	17.71	17.81	18.5	0							
15	16QAM	75	0	17.61	17.79	17.83									
15	64QAM	1	0	17.82	17.75	17.75									
15	64QAM	1	37	17.79	17.84	17.86									
15	64QAM	1	74	17.95	17.96	17.85	18.5	0							
15	64QAM	36	0	18.01	18.07	17.75									
15	64QAM	36	25	17.85	17.86	17.85									
15	64QAM	36	39	17.81	17.96	17.84									
15	64QAM	75	0	17.81	17.81	17.92									
Channel															
Frequency (MHz)															
10	QPSK	1	0	17.99	18.01	17.90	18.5	0							
10	QPSK	1	25	17.92	17.87	17.85									
10	QPSK	1	49	17.92	17.99	17.80									
10	QPSK	1	74	17.91	17.94	17.89									
10	QPSK	25	12	17.93	17.92	17.97	18.5	0							
10	QPSK	25	25	17.87	17.87	17.96									
10	QPSK	50	0	17.98	18.02	17.83									
10	16QAM	1	0	17.90	18.03	17.91									
10	16QAM	1	25	17.80	17.91	17.80	18.5	0							
10	16QAM	1	49	17.83	17.97	17.82									
10	16QAM	25	12	17.49	17.86	17.88									
10	16QAM	25	25	17.60	17.71	17.91									
10	16QAM	50	0	17.71	17.76	17.77	18.5	0							
10	64QAM	1	0	17.63	17.82	17.75									
10	64QAM	1	25	17.92	17.96	17.91									
10	64QAM	1	49	17.92	18.07	18.01									
10	64QAM	25	12	17.80	18.00	17.76	18.5	0							
10	64QAM	25	25	17.82	17.69	17.74									
10	64QAM	25	25	17.88	17.88	17.87									
10	64QAM	50	0	17.82	17.81	17.83									
Channel															
Frequency (MHz)															
5	QPSK	1	0	18.025	21.100	21.625	18.5	0							
5	QPSK	1	0	20.621	25.535	25.675									
5	QPSK	12	0	17.99	18.00	17.89									
5	QPSK	12	7	17.93	17.87	17.97									
5	QPSK	12	12	17.85	17.89	17.90	18.5	0							
5	QPSK	1	24	17.94	17.92	17.73									
5	QPSK	12	0	17.97	18.00	17.89									
5	QPSK	12	7	17.89	17.94	17.81									
5	16QAM	1	0	17.91	18.02	17.89	18.5	0							
5	16QAM	1	0	17.81	17.86	17.86									
5	16QAM	12	7	17.61	17.75	17.81									
5	16QAM	12	7	17.59	17.65	17.82									
5	16QAM	25	0	17.69	17.72	17.82	18.5	0							
5	64QAM	1	0	17.89	17.89	17.74									
5	64QAM	1	0	17.93	17.93	17.78									
5	64QAM	1	24	17.85	17.83	18.01									
5	64QAM	12	0	17.82	18.04	17.82	18.5	0							
5	64QAM	12	7	17.80	17.80	17.83									
5	64QAM	12	7	17.88	17.78	17.83									
5	64QAM	25	0	17.86	17.88	17.88									

Band 26_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up Int (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				831.5	831.5	841.5						
15	QPSK	1	0	23.87	23.88	23.83	24.8	0				
15	QPSK	1	37	23.84	23.79	23.71						
15	QPSK	1	74	23.82	23.79	23.71						
15	QPSK	36	0	22.52	22.67	22.60						
15	QPSK	36	20	22.60	22.81	22.76	23.8	1				
15	QPSK	36	39	22.60	22.82	22.72						
15	QPSK	75	0	22.78	22.86	22.77						
15	16QAM	1	0	23.12	23.03	23.08	23.8	1				
15	16QAM	1	37	23.16	23.10	23.04						
15	16QAM	1	74	23.05	23.01	22.96						
15	16QAM	36	0	21.83	21.81	21.77						
15	16QAM	36	20	21.85	21.83	21.77	22.8	2				
15	16QAM	36	39	21.79	21.92	21.74						
15	16QAM	75	0	21.86	21.83	21.78						
15	64QAM	1	0	21.99	21.94	22.00						
15	64QAM	1	37	22.03	21.98	21.96	22.8	2				
15	64QAM	1	74	21.96	21.89	21.85						
15	64QAM	36	0	20.85	20.83	20.79						
15	64QAM	36	20	20.87	20.85	20.78						
15	64QAM	36	39	20.79	20.92	20.75	21.8	3				
15	64QAM	75	0	20.83	20.80	20.76						
Channel												
Frequency (MHz)				831.5	831.5	841.5						
10	QPSK	1	0	23.84	23.75	23.76	24.8	0				
10	QPSK	1	25	23.74	23.72	23.76						
10	QPSK	1	49	23.80	23.71	23.69						
10	QPSK	25	0	22.71	22.80	22.72						
10	QPSK	25	12	22.78	22.79	22.73	23.8	1				
10	QPSK	25	25	22.69	22.81	22.65						
10	QPSK	50	0	22.66	22.71	22.65						
10	16QAM	1	0	23.03	23.02	22.96						
10	16QAM	1	25	22.76	22.82	22.93	23.8	1				
10	16QAM	1	49	22.93	22.92	22.91						
10	16QAM	25	0	21.74	21.80	21.66						
10	16QAM	25	12	21.81	21.74	21.68						
10	16QAM	25	25	21.66	21.73	21.67	22.8	2				
10	16QAM	50	0	21.73	21.77	21.66						
10	64QAM	1	0	21.84	21.87	21.84						
10	64QAM	1	25	21.69	21.63	21.84						
10	64QAM	1	49	21.92	21.87	21.74	21.8	3				
10	64QAM	25	0	20.70	20.73	20.67						
10	64QAM	25	12	20.78	20.82	20.63						
10	64QAM	25	25	20.77	20.77	20.63						
10	64QAM	50	0	20.81	20.86	20.65						
Channel												
Frequency (MHz)				831.5	831.5	846.5						
5	QPSK	1	0	23.84	23.79	23.80	24.8	0				
5	QPSK	1	14	23.85	23.73	23.73						
5	QPSK	1	24	23.76	23.66	23.56						
5	QPSK	12	0	22.79	22.79	22.72						
5	QPSK	12	6	22.79	22.79	22.68	23.8	1				
5	QPSK	12	13	22.79	22.72	22.70						
5	QPSK	25	0	22.67	22.81	22.73						
5	16QAM	1	0	23.08	23.04	22.93						
5	16QAM	1	6	23.09	23.00	23.02	23.8	1				
5	16QAM	1	24	22.96	22.93	22.91						
5	16QAM	12	0	21.82	21.77	21.62						
5	16QAM	12	7	21.76	21.81	21.72						
5	16QAM	12	14	21.66	21.71	21.69	22.8	2				
5	16QAM	25	0	21.93	21.69	21.76						
5	64QAM	1	0	21.91	21.90	21.91						
5	64QAM	1	6	21.92	21.96	21.82						
5	64QAM	1	24	21.87	21.74	21.76	21.8	3				
5	64QAM	12	0	20.76	20.76	20.64						
5	64QAM	12	7	20.75	20.80	20.64						
5	64QAM	12	14	20.73	20.73	20.68						
5	64QAM	25	0	20.81	20.85	20.69						
Channel												
Frequency (MHz)				831.5	831.5	847.5						
3	QPSK	1	0	23.77	23.74	23.76	24.8	0				
3	QPSK	1	7	23.74	23.73	23.71						
3	QPSK	1	14	23.75	23.69	23.57						
3	QPSK	8	0	22.72	22.81	22.76						
3	QPSK	8	4	22.76	22.73	22.63	23.8	1				
3	QPSK	8	11	22.74	22.78	22.61						
3	QPSK	15	0	22.67	22.78	22.65						
3	16QAM	1	0	22.67	22.69	22.67						
3	16QAM	1	7	22.69	22.69	22.66	23.8	1				
3	16QAM	1	14	22.67	22.71	22.61						
3	16QAM	8	0	21.76	21.75	21.68						
3	16QAM	8	4	21.75	21.79	21.70						
3	16QAM	8	11	21.69	21.71	21.68	22.8	2				
3	16QAM	15	0	21.76	21.73	21.67						
3	64QAM	1	0	21.94	21.78	21.86						
3	64QAM	1	8	21.90	21.92	21.81						
3	64QAM	1	15	21.80	21.82	21.81	21.8	3				
3	64QAM	8	0	20.76	20.73	20.66						
3	64QAM	8	4	20.83	20.75	20.73						
3	64QAM	8	11	20.80	20.77	20.64						
3	64QAM	15	0	20.77	20.67	20.75						
Channel												
Frequency (MHz)				2693.7	2696.5	2703.3						
1.4	QPSK	1	0	814.7	831.5	848.3	24.8	0				
1.4	QPSK	1	3	816.0	830.0	836.5						
1.4	QPSK	1	5	23.86	23.80	23.71						
1.4	QPSK	3	0	23.84	23.77	23.70						
1.4	QPSK	3	1	23.85	23.78	23.67	23.8	1				
1.4	QPSK	3	1	23.84	23.73	23.70						
1.4	QPSK	6	0	22.83	22.77	22.68						
1.4	16QAM	1	0	23.06	23.05	22.93						
1.4	16QAM	1	3	23.06	23.00	23.04	23.8	1				
1.4	16QAM	1	5	23.09	23.04	22.91						
1.4	16QAM	3	0	22.80	22.79	22.66						
1.4	64QAM	3	1	22.82	22.73	22.66						
1.4	16QAM	6	0	21.89	21.85	21.78	22.8	2				
1.4	16QAM	1	0	21.97	21.96	21.89						
1.4	16QAM	1	3	21.96	21.91	21.85						
1.4	16QAM	1	5	22.01	21.95	21.81						
1.4	64QAM	3	1	21.96	21.86	21.79	21.8	3				
1.4	64QAM	3	1	21.93	21.87	21.79						
1.4	64QAM	3	1	21.92	21.87	21.77						
1.4	64QAM	3	1	20.79	20.72	20.67						

Inter CA
Full Power Mode

Band 2_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18600	18800	19100				
20	QPSK	1	0	23.39	23.45	23.54	23.7	0		
20	QPSK	1	49	23.34	23.40	23.54				
20	QPSK	1	99	23.28	23.38	23.54				
20	QPSK	50	0	22.84	22.95	23.06	23.2	0.5		
20	QPSK	50	24	22.81	22.96	22.86				
20	QPSK	50	50	22.83	22.97	22.82				
20	QPSK	100	0	22.84	22.92	22.84	23.2	0.5		
20	16QAM	1	0	23.00	23.17	23.07				
20	16QAM	1	49	23.07	23.20	23.11				
20	16QAM	1	99	23.06	23.01	23.00	22.7	1		
20	16QAM	50	0	21.83	21.92	21.89				
20	16QAM	50	24	21.80	21.93	21.86				
20	16QAM	50	50	21.81	21.87	21.82	22.7	1		
20	16QAM	100	0	21.81	21.89	21.82				
20	64QAM	1	0	21.90	22.02	21.96				
20	64QAM	1	49	22.00	22.13	21.98	21.7	2		
20	64QAM	1	99	21.94	21.96	21.90				
20	64QAM	50	0	20.82	20.90	20.91				
20	64QAM	50	24	20.81	20.94	20.86	21.7	2		
20	64QAM	50	50	20.82	20.90	20.81				
20	64QAM	100	0	20.81	20.88	20.83				
Channel										
Frequency (MHz)				18675	18900	19025	Turn-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	23.24	23.38	23.21	23.7	0		
15	QPSK	1	37	23.23	23.37	23.29				
15	QPSK	1	74	23.25	23.18	23.16				
15	QPSK	36	0	22.77	22.91	22.85	23.2	0.5		
15	QPSK	36	20	22.77	22.79	22.82				
15	QPSK	36	39	22.81	22.75	22.76				
15	QPSK	75	0	22.71	22.78	22.83	23.2	0.5		
15	16QAM	1	0	22.87	23.12	22.85				
15	16QAM	1	37	22.92	23.11	22.99				
15	16QAM	1	74	23.01	22.96	22.97	22.7	1		
15	16QAM	36	0	21.73	21.81	21.81				
15	16QAM	36	20	21.76	21.80	21.73				
15	16QAM	36	39	21.70	21.81	21.76	22.7	1		
15	16QAM	75	0	21.69	21.79	21.74				
15	64QAM	1	0	21.79	21.95	21.94				
15	64QAM	1	37	21.96	22.05	21.97	22.7	1		
15	64QAM	1	74	21.84	21.95	21.85				
15	64QAM	36	0	20.70	20.77	20.85				
15	64QAM	36	20	20.70	20.87	20.82	21.7	2		
15	64QAM	36	39	20.72	20.80	20.76				
15	64QAM	75	0	20.75	20.87	20.82				
Channel										
Frequency (MHz)				18650	18900	19150	Turn-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	23.32	23.37	23.29	23.7	0		
10	QPSK	1	25	23.32	23.35	23.28				
10	QPSK	1	49	23.25	23.25	23.17				
10	QPSK	25	0	22.82	22.80	22.80	23.2	0.5		
10	QPSK	25	12	22.78	22.77	22.71				
10	QPSK	25	25	22.72	22.74	22.79				
10	QPSK	50	0	22.79	22.77	22.79	23.2	0.5		
10	16QAM	1	25	23.00	23.13	23.07				
10	16QAM	1	49	23.03	23.00	22.97				
10	16QAM	25	0	21.68	21.85	21.83	22.7	1		
10	16QAM	25	12	21.65	21.91	21.76				
10	16QAM	25	25	21.75	21.78	21.70				
10	16QAM	50	0	21.69	21.74	21.71	22.7	1		
10	64QAM	1	0	21.87	22.01	21.84				
10	64QAM	1	25	21.87	22.05	21.86				
10	64QAM	1	49	21.85	21.86	21.87	21.7	2		
10	64QAM	25	0	20.77	20.80	20.79				
10	64QAM	25	12	20.73	20.80	20.85				
10	64QAM	25	25	20.73	20.81	20.88	21.7	2		
10	64QAM	50	0	20.73	20.74	20.68				
Channel										
Frequency (MHz)				18625	18900	19175	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	23.28	23.31	23.24	23.7	0		
5	QPSK	1	12	23.31	23.26	23.21				
5	QPSK	1	24	23.25	23.21	23.12				
5	QPSK	12	0	22.75	22.74	22.74	23.2	0.5		
5	QPSK	12	7	22.73	22.87	22.73				
5	QPSK	12	13	22.78	22.82	22.75				
5	QPSK	25	0	22.69	22.84	22.81	23.2	0.5		
5	16QAM	1	12	23.02	23.08	23.04				
5	16QAM	1	24	23.04	22.89	22.87				
5	16QAM	12	0	21.70	21.87	21.76	22.7	1		
5	16QAM	12	7	21.76	21.87	21.72				
5	16QAM	12	13	21.69	21.77	21.78				
5	16QAM	25	0	21.66	21.88	21.73	22.7	1		
5	64QAM	1	12	21.80	22.01	21.88				
5	64QAM	1	12	21.87	22.08	21.94				
5	64QAM	1	24	21.80	21.94	21.80	21.7	2		
5	64QAM	12	0	20.78	20.87	20.78				
5	64QAM	12	7	20.70	20.80	20.79				
5	64QAM	12	13	20.66	20.78	20.71	21.7	2		
5	64QAM	25	0	20.75	20.73	20.70				
Channel										
Frequency (MHz)				18613 <th>18900</th> <th>19063</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="2"></th>	18900	19063	Turn-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	23.23	23.43	23.32	23.7	0		
3	QPSK	1	8	23.26	23.29	23.21				
3	QPSK	1	14	23.18	23.20	23.27				
3	QPSK	8	0	22.75	22.88	22.86	23.2	0.5		
3	QPSK	8	4	22.69	22.86	22.72				
3	QPSK	8	7	22.79	22.76	22.78				
3	QPSK	15	0	22.82	22.83	22.72	23.2	0.5		
3	16QAM	1	0	22.99	23.16	23.01				
3	16QAM	1	8	22.97	23.13	23.00				
3	16QAM	1	14	22.96	22.96	22.96	22.7	1		
3	16QAM	15	0	21.66	21.74	21.68				
3	16QAM	15	8	21.66	21.80	21.75				
3	16QAM	8	7	21.69	21.77	21.81	22.7	1		
3	64QAM	1	0	21.77	21.87	21.86				
3	64QAM	1	8	21.85	22.12	21.96				
3	64QAM	1	14	21.79	21.89	21.82	21.7	2		
3	64QAM	8	0	20.78	20.84	20.79				
3	64QAM	8	4	20.72	20.89	20.81				
3	64QAM	8	7	20.74	20.89	20.74	21.7	2		
3	64QAM	15	0	20.73	20.80	20.71				
Channel										
Frequency (MHz)				18607	18900	19103	Turn-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.18	23.34	23.21	23.7	0		
1.4	QPSK	1	3	23.12	23.34	23.29				
1.4	QPSK	1	5	23.10	23.33	23.23				
1.4	QPSK	19	0	22.99	23.19	23.32	23.2	0.5		
1.4	QPSK	3	1	23.14	23.30	23.22				
1.4	QPSK	3	12	23.12	23.33	23.24				
1.4	16QAM	1	0	22.82	23.03	22.92	23.2	0.5		
1.4	16QAM	1	3	22.86	23.08	22.97				
1.4	16QAM	1	5	22.81	23.05	22.96				
1.4	16QAM	3	1	22.65	22.82	23.03	22.7	1		
1.4	16QAM	3	1	22.64	22.80	22.71				
1.4	16QAM	3	3	22.62	22.78	22.71				
1.4	64QAM	1	0	21.69	21.86	21.79	22.7	1		
1.4	64QAM	1	3	21.71	21.89	21.85				
1.4	64QAM	1	3	21.77	21.87	21.83				
1.4	64QAM	1	5	21.79	22.01	21.90	22.7	1		
1.4	64QAM	3	1	21.75	21.93	21.82				
1.4	64QAM	3	1	21.74	21.91	21.81				
1.4	64QAM	3	3	21.71	21.90	21.82	21.7	2		
1.4	64QAM	3	3	21.69	21.85	21.78				

Band 5_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20450	20525	20600		
				829	836.5	844		
10	QPSK	1	0	23.85	23.85	23.82		
10	QPSK	1	25	23.76	23.73	23.87	24.8	0
10	QPSK	1	49	23.74	23.75	23.74		
10	QPSK	25	0	22.33	22.35	22.26		
10	QPSK	25	12	22.25	22.26	22.20	23.8	1
10	QPSK	25	25	22.28	22.27	22.19		
10	QPSK	50	0	22.25	22.25	22.21		
10	16QAM	1	0	22.60	22.60	22.61		
10	16QAM	1	25	22.63	22.56	22.43	23.8	1
10	16QAM	1	49	22.54	22.54	22.52		
10	16QAM	25	0	21.34	21.22	21.25		
10	16QAM	25	12	21.34	21.24	21.20	22.8	2
10	16QAM	25	25	21.29	21.26	21.17		
10	16QAM	50	0	21.35	21.25	21.21		
10	64QAM	1	0	21.49	21.44	21.45		
10	64QAM	1	25	21.52	21.39	21.32	22.8	2
10	64QAM	1	49	21.44	21.42	21.42		
10	64QAM	25	0	20.35	20.23	20.24		
10	64QAM	25	12	20.34	20.23	20.19	21.8	3
10	64QAM	25	25	20.34	20.23	20.20		
10	64QAM	50	0	20.34	20.23	20.20		
Channel								
Frequency (MHz)				20425	20525	20625	Turn-up limit (dBm)	MPR (dB)
				826.5	836.5	846.5		
5	QPSK	1	0	23.67	23.73	23.72		
5	QPSK	1	12	23.61	23.61	23.66	24.8	0
5	QPSK	1	24	23.61	23.61	23.60		
5	QPSK	12	0	22.18	22.30	22.23		
5	QPSK	12	7	22.13	22.14	22.11	23.8	1
5	QPSK	12	13	22.17	22.23	22.13		
5	QPSK	25	0	22.20	22.25	22.20		
5	16QAM	1	0	22.57	22.49	22.53		
5	16QAM	1	12	22.60	22.51	22.29	23.8	1
5	16QAM	1	24	22.44	22.39	22.38		
5	16QAM	12	0	21.28	21.21	21.11		
5	16QAM	12	7	21.27	21.13	21.19	22.8	2
5	16QAM	12	13	21.17	21.20	21.09		
5	16QAM	25	0	21.29	21.17	21.17		
5	64QAM	1	0	21.39	21.34	21.36	22.8	2
5	64QAM	1	12	21.46	21.35	21.37		
5	64QAM	1	24	21.41	21.34	21.31		
5	64QAM	12	0	20.24	20.22	20.17	21.8	3
5	64QAM	12	7	20.32	20.23	20.24		
5	64QAM	12	13	20.28	20.10	20.11		
5	64QAM	25	0	20.26	20.10	20.11		
Channel								
Frequency (MHz)				20415	20525	20635	Turn-up limit (dBm)	MPR (dB)
				826.5	836.5	847.5		
3	QPSK	1	0	23.71	23.72	23.73		
3	QPSK	1	8	23.72	23.69	23.56	24.8	0
3	QPSK	1	14	23.71	23.72	23.89		
3	QPSK	8	0	22.23	22.21	22.16		
3	QPSK	8	4	22.16	22.17	22.16	23.8	1
3	QPSK	8	7	22.25	22.20	22.05		
3	QPSK	15	0	22.20	22.21	22.16		
3	16QAM	1	0	22.59	22.50	22.53		
3	16QAM	1	8	22.61	22.43	22.28	23.8	1
3	16QAM	1	14	22.50	22.48	22.38		
3	16QAM	8	0	21.29	21.19	21.14	22.8	2
3	16QAM	8	4	21.20	21.17	21.16		
3	16QAM	8	7	21.15	21.23	21.04		
3	16QAM	15	0	21.20	21.14	21.08		
3	64QAM	1	0	21.26	21.30	21.30	22.8	2
3	64QAM	1	8	21.48	21.35	21.31		
3	64QAM	1	14	21.29	21.33	21.34		
3	64QAM	8	0	20.34	20.20	20.22	21.8	3
3	64QAM	8	4	20.30	20.10	20.14		
3	64QAM	8	7	20.24	20.21	20.07		
3	64QAM	15	0	20.32	20.16	20.09	21.8	3
Channel								
Frequency (MHz)				20407	20525	20643	Turn-up limit (dBm)	MPR (dB)
				824.7	836.5	848.3		
1.4	QPSK	1	0	23.81	23.73	23.66		
1.4	QPSK	1	3	23.78	23.74	23.87	24.8	0
1.4	QPSK	1	5	23.75	23.74	23.70		
1.4	QPSK	3	0	23.77	23.72	23.86		
1.4	QPSK	3	1	23.80	23.72	23.70	23.8	1
1.4	QPSK	3	3	23.79	23.72	23.72		
1.4	QPSK	6	0	22.28	22.21	22.17	23.8	1
1.4	16QAM	1	0	22.55	22.51	22.38		
1.4	16QAM	1	3	22.50	22.51	22.42	23.8	1
1.4	16QAM	1	5	22.50	22.51	22.41		
1.4	16QAM	3	0	22.27	22.20	22.13		
1.4	16QAM	3	1	22.28	22.22	22.19	22.8	2
1.4	16QAM	3	3	22.27	22.18	22.17		
1.4	16QAM	6	0	21.34	21.28	21.27	22.8	2
1.4	64QAM	1	0	21.48	21.48	21.35		
1.4	64QAM	1	3	21.40	21.40	21.34	22.8	2
1.4	64QAM	1	5	21.45	21.42	21.34		
1.4	64QAM	3	0	21.40	21.30	21.28	21.8	3
1.4	64QAM	3	1	21.38	21.29	21.29		
1.4	64QAM	3	3	21.38	21.33	21.29		
1.4	64QAM	6	0	20.24	20.19	20.18	21.8	3

Band 5_Ant 1

Band 5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				20450	20525	20600			
				829	836.5	844			
10	QPSK	1	0	23.85	23.88	23.80			
10	QPSK	1	25	23.83	23.72	23.86	24.8	0	
10	QPSK	1	49	23.73	23.74	23.74			
10	QPSK	25	0	22.35	22.40	22.21			
10	QPSK	25	12	22.33	22.22	22.20	23.6	1	
10	QPSK	25	25	22.24	22.26	22.16			
10	QPSK	50	0	22.31	22.36	22.27			
10	16QAM	1	0	22.56	22.55	22.56			
10	16QAM	1	25	22.58	22.50	22.38	23.6	1	
10	16QAM	1	49	22.47	22.44	22.50			
10	16QAM	25	0	21.34	21.19	21.22			
10	16QAM	25	12	21.31	21.20	21.17	22.6	2	
10	16QAM	25	25	21.23	21.22	21.16			
10	16QAM	50	0	21.33	21.23	21.19			
10	64QAM	1	0	21.47	21.39	21.43			
10	64QAM	1	25	21.43	21.37	21.29	22.6	2	
10	64QAM	1	49	21.38	21.38	21.41			
10	64QAM	25	0	20.31	20.18	20.20			
10	64QAM	25	12	20.30	20.22	20.16	21.6	3	
10	64QAM	25	25	20.31	20.26	20.18			
10	64QAM	50	0	20.31	20.22	20.17			
Channel									
Frequency (MHz)				20425	20525	20625	Turn-up limit (dBm)	MPR (dB)	
				826.5	836.5	846.5			
5	QPSK	1	0	23.75	23.87	23.78			
5	QPSK	1	12	23.74	23.62	23.61	24.8	0	
5	QPSK	1	24	23.70	23.64	23.67			
5	QPSK	12	0	22.24	22.30	22.22			
5	QPSK	12	7	22.21	22.15	22.15	23.6	1	
5	QPSK	12	13	22.22	22.21	22.02			
5	QPSK	25	0	22.22	22.26	22.21			
5	16QAM	1	0	22.51	22.52	22.51			
5	16QAM	1	12	22.48	22.49	22.18	23.6	1	
5	16QAM	1	24	22.41	22.43	22.47			
5	16QAM	12	0	21.23	21.11	21.17			
5	16QAM	12	7	21.26	21.13	21.04	22.6	2	
5	16QAM	12	13	21.19	21.21	21.04			
5	16QAM	25	0	21.32	21.10	21.11			
5	64QAM	1	0	21.34	21.32	21.38	22.6	2	
5	64QAM	1	12	21.38	21.33	21.34			
5	64QAM	1	24	21.32	21.35	21.35			
5	64QAM	12	0	20.20	20.12	20.06	21.6	3	
5	64QAM	12	7	20.25	20.14	20.06			
5	64QAM	12	13	20.16	20.15	20.06			
5	64QAM	25	0	20.24	20.08	20.08			
Channel									
Frequency (MHz)				20415	20525	20635	Turn-up limit (dBm)	MPR (dB)	
				826.5	836.5	847.5			
3	QPSK	1	0	23.84	23.82	23.73			
3	QPSK	1	8	23.77	23.69	23.53	24.8	0	
3	QPSK	1	14	23.67	23.71	23.61			
3	QPSK	8	0	22.29	22.37	22.13			
3	QPSK	8	4	22.32	22.11	22.05	23.6	1	
3	QPSK	8	7	22.13	22.17	22.02			
3	QPSK	15	0	22.25	22.26	22.15			
3	16QAM	1	0	22.44	22.52	22.41			
3	16QAM	1	8	22.56	22.38	22.31	23.6	1	
3	16QAM	1	14	22.32	22.30	22.48			
3	16QAM	8	0	21.27	21.06	21.13	22.6	2	
3	16QAM	8	4	21.17	21.13	21.08			
3	16QAM	8	7	21.14	21.17	21.03			
3	16QAM	15	0	21.18	21.19	21.08			
3	64QAM	1	0	21.45	21.30	21.36	22.6	2	
3	64QAM	1	8	21.35	21.29	21.21			
3	64QAM	1	14	21.27	21.29	21.36			
3	64QAM	8	0	20.23	20.15	20.09	21.6	3	
3	64QAM	8	4	20.23	20.20	20.13			
3	64QAM	8	7	20.15	20.14	20.14			
3	64QAM	15	0	20.14	20.14	20.14			
Channel									
Frequency (MHz)				20407 <th>20525</th> <th>20643</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	20525	20643	Turn-up limit (dBm)	MPR (dB)	
				824.7	836.5	848.3			
1.4	QPSK	1	0	23.83	23.79	23.75			
1.4	QPSK	1	3	23.77	23.75	23.69			
1.4	QPSK	1	3	23.82	23.72	23.69	24.8	0	
1.4	QPSK	3	0	23.81	23.72	23.67			
1.4	QPSK	3	1	23.77	23.71	23.70			
1.4	QPSK	3	1	23.83	23.76	23.70			
1.4	QPSK	6	0	22.26	22.22	22.22	23.6	1	
1.4	16QAM	1	0	22.54	22.54	22.46			
1.4	16QAM	1	3	22.49	22.46	22.42			
1.4	16QAM	1	3	22.46	22.45	22.41	23.6	1	
1.4	16QAM	3	0	22.27	22.21	22.18			
1.4	16QAM	3	1	22.32	22.18	22.19			
1.4	16QAM	3	1	22.29	22.18	22.18			
1.4	16QAM	6	0	21.33	21.28	21.30	22.6	2	
1.4	16QAM	6	0	21.51	21.44	21.37			
1.4	64QAM	1	3	21.42	21.41	21.38			
1.4	64QAM	1	3	21.42	21.41	21.37			
1.4	64QAM	3	0	21.37	21.30	21.30	22.6	2	
1.4	64QAM	3	1	21.38	21.33	21.33			
1.4	64QAM	3	1	21.37	21.31	21.31			
1.4	64QAM	6	0	20.24	20.21	20.19	21.6	3	



Band 26_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	26765	26665	26665			24.8	0		
15	QPSK	1	37	821.5	831.5	841.5						
15	QPSK	1	74	23.84	23.79	23.71						
15	QPSK	36	0	22.82	22.87	22.80						
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	23.8	2		
15	QPSK	36	36	22.88	22.82	22.72						
15	16QAM	1	0	22.78	22.88	22.77						
15	16QAM	1	37	23.12	23.05	23.08						
15	16QAM	1	74	23.10	23.10	23.04	23.8	1	22.8	2		
15	16QAM	1	74	23.05	23.07	22.96						
15	16QAM	36	0	21.83	21.81	21.77						
15	16QAM	36	20	21.85	21.83	21.77						
15	16QAM	36	36	21.78	21.82	21.74	22.8	2	21.8	3		
15	16QAM	75	0	21.86	21.83	21.78						
15	64QAM	1	0	21.99	21.94	22.00						
15	64QAM	1	37	22.03	21.98	21.90	22.8	2				
15	64QAM	1	74	21.95	21.90	21.85			21.8	3		
15	64QAM	36	0	20.85	20.83	20.79						
15	64QAM	36	20	20.87	20.85	20.78						
15	64QAM	36	36	20.89	20.86	20.76						
15	64QAM	75	0	20.83	20.80	20.76						
Channel												
Frequency (MHz)												
15	QPSK	1	0	26740	26665	26665			24.8	0		
15	QPSK	1	37	819	831.5	844						
15	QPSK	1	49	23.74	23.74	23.69						
15	QPSK	25	0	22.71	22.80	22.72						
15	QPSK	25	12	22.73	22.79	22.73	23.8	1	23.8	1		
15	QPSK	25	25	22.69	22.72	22.65						
15	QPSK	50	0	22.66	22.71	22.70						
15	16QAM	1	0	23.03	23.02	22.98						
15	16QAM	1	37	23.07	23.01	22.93	23.8	1	22.8	2		
15	16QAM	1	49	22.93	22.92	22.81						
15	16QAM	25	0	21.74	21.80	21.66						
15	16QAM	25	12	21.76	21.74	21.69						
15	16QAM	25	25	21.66	21.67	21.62	22.8	2	21.8	3		
15	16QAM	50	0	21.73	21.77	21.66						
15	64QAM	1	0	21.84	21.87	21.84						
15	64QAM	1	37	21.92	21.87	21.84	22.8	2				
15	64QAM	25	0	20.70	20.73	20.67			21.8	3		
15	64QAM	25	12	20.76	20.62	20.63						
15	64QAM	25	25	20.77	20.67	20.69						
15	64QAM	50	0	20.81	20.68	20.65						
Channel												
Frequency (MHz)												
5	QPSK	1	0	23.84	23.79	23.80			23.8	1		
5	QPSK	1	12	23.83	23.73	23.73						
5	QPSK	1	24	23.76	23.66	23.56						
5	QPSK	12	0	22.79	22.79	22.72						
5	QPSK	12	12	22.86	22.68	22.68			23.8	1		
5	QPSK	12	13	22.79	22.72	22.70						
5	QPSK	25	0	22.67	22.81	22.73						
5	16QAM	1	0	22.98	22.94	22.93						
5	16QAM	1	24	22.99	22.93	22.92	23.8	1	22.8	2		
5	16QAM	1	24	22.96	22.93	22.91						
5	16QAM	12	0	21.82	21.77	21.82						
5	16QAM	12	12	21.76	21.81	21.72						
5	16QAM	12	13	21.66	21.79	21.61			22.8	2		
5	16QAM	25	0	21.73	21.69	21.76						
5	64QAM	1	0	21.91	21.90	21.91						
5	64QAM	1	24	22.01	21.95	21.82						
5	64QAM	1	24	21.87	21.74	21.78			21.8	3		
5	64QAM	12	0	20.76	20.76	20.64						
5	64QAM	12	12	20.75	20.60	20.64						
5	64QAM	12	13	20.73	20.74	20.68						
5	64QAM	25	0	20.81	20.68	20.69						
Channel												
Frequency (MHz)												
3	QPSK	1	0	23.77	23.74	23.76			24.8	0		
3	QPSK	1	8	23.74	23.79	23.77						
3	QPSK	1	14	23.75	23.69	23.67						
3	QPSK	8	0	22.72	22.81	22.76						
3	QPSK	8	4	22.76	22.73	22.63	23.8	1	23.8	1		
3	QPSK	8	7	22.74	22.70	22.70						
3	QPSK	15	0	22.67	22.76	22.68						
3	16QAM	1	0	22.97	22.86	23.07						
3	16QAM	1	8	23.09	23.04	22.96	23.8	1	23.8	1		
3	16QAM	1	14	22.97	22.91	22.81						
3	16QAM	8	0	21.76	21.79	21.69						
3	16QAM	8	4	21.75	21.79	21.70	22.8	2				
3	16QAM	8	7	21.69	21.73	21.59			22.8	2		
3	64QAM	1	0	21.84	21.79	21.86						
3	64QAM	1	8	21.90	21.83	21.81	22.8	2				
3	64QAM	1	14	21.80	21.82	21.81						
3	64QAM	8	0	20.76	20.73	20.66			21.8	3		
3	64QAM	8	4	20.81	20.75	20.73						
3	64QAM	8	7	20.80	20.67	20.64						
3	64QAM	15	0	20.73	20.67	20.75						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	23.88	23.85	23.85			24.8	0		
1.4	QPSK	1	3	23.82	23.75	23.85						
1.4	QPSK	1	5	23.86	23.80	23.81						
1.4	QPSK	3	0	23.84	23.77	23.70						
1.4	QPSK	3	1	23.85	23.78	23.87			23.8	1		
1.4	QPSK	3	3	23.84	23.75	23.70						
1.4	QPSK	6	0	22.83	22.77	22.88						
1.4	16QAM	1	0	23.06	23.05	22.93						
1.4	16QAM	1	3	23.06	23.06	22.94	23.8	1	23.8	1		
1.4	16QAM	1	5	23.06	23.04	22.91						
1.4	16QAM	3	0	22.80	22.79	22.89						
1.4	16QAM	3	1	22.80	22.75	22.86						
1.4	64QAM	1	0	21.87	21.85	21.78	22.8	2	22.8	2		
1.4	64QAM	1	3	21.97	21.96	21.89						
1.4	64QAM	1	5	22.00	21.99	21.81						
1.4	64QAM	3	0	21.96	21.87	21.79						
1.4	64QAM	3	3	21.92	21.86	21.79	21.8	3				
1.4	64QAM	6	0	20.79	20.74	20.67						

Band 26_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)		
Channel										
Channel				26765	26665	26665				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	23.85	23.88	23.77	24.8	0		
15	QPSK	1	37	23.89	23.78	23.78				
15	QPSK	1	74	23.89	23.79	23.78				
15	QPSK	36	0	22.83	22.90	22.80				
15	QPSK	36	20	22.88	22.84	22.76	23.6	1		
15	QPSK	36	36	22.81	22.85	22.77				
15	QPSK	75	0	23.05	23.04	23.03				
15	16QAM	1	0	23.13	23.11	23.11	23.6	1		
15	16QAM	1	37	23.13	23.11	23.11				
15	16QAM	1	74	23.08	23.03	23.02				
15	16QAM	36	0	21.86	21.86	21.77				
15	16QAM	36	20	21.91	21.84	21.81	22.6			
15	16QAM	36	36	21.82	21.85	21.79				
15	16QAM	75	0	21.88	21.86	21.79				
15	64QAM	1	0	22.05	22.04	22.03	22.6	2		
15	64QAM	1	37	22.06	22.02	21.91				
15	64QAM	1	74	21.98	21.91	21.87				
15	64QAM	36	0	20.88	20.87	20.78				
15	64QAM	36	20	20.92	20.87	20.82	21.6	3		
15	64QAM	36	36	20.87	20.88	20.79				
15	64QAM	75	0	20.87	20.85	20.78				
Channel										
Channel				26765	26665	26665	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
15	QPSK	1	0	23.77	23.86	23.82	24.8	0		
15	QPSK	1	37	23.78	23.71	23.71				
15	QPSK	1	49	23.85	23.71	23.66				
15	QPSK	25	0	23.83	22.87	22.72				
15	QPSK	25	12	22.84	22.72	22.62	23.6	1		
15	QPSK	25	25	22.89	22.72	22.62				
15	QPSK	50	0	22.72	22.84	22.72				
15	16QAM	1	0	23.01	23.03	23.03	23.6	1		
15	16QAM	1	37	23.08	22.92	22.96				
15	16QAM	1	49	23.07	22.99	23.00				
15	16QAM	25	0	21.84	21.78	21.73				
15	16QAM	25	12	21.88	21.77	21.78	22.6	2		
15	16QAM	25	25	21.73	21.74	21.73				
15	16QAM	50	0	21.73	21.74	21.73				
15	64QAM	1	0	21.92	21.91	22.01				
15	64QAM	1	26	22.03	21.92	21.88	22.6	2		
15	64QAM	1	49	21.96	21.91	21.84				
15	64QAM	25	0	20.82	20.81	20.84				
15	64QAM	25	12	20.84	20.74	20.70	21.6	3		
15	64QAM	25	25	20.84	20.73	20.71				
15	64QAM	50	0	20.75	20.76	20.71				
Channel										
Channel				816.5	26665	26705	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
15	QPSK	1	0	23.85	23.88	23.74	24.8	0		
15	QPSK	1	37	23.84	23.84	23.63				
15	QPSK	1	24	23.75	23.76	23.67				
15	QPSK	12	0	22.75	22.86	22.72				
15	QPSK	12	12	22.79	22.73	22.67	23.6			
15	QPSK	12	13	22.80	22.76	22.68				
15	QPSK	25	0	22.73	22.83	22.65				
15	16QAM	1	0	23.07	22.94	23.02	23.6	1		
15	16QAM	1	37	23.03	23.01	23.01				
15	16QAM	1	24	22.97	22.92	23.03				
15	16QAM	12	0	21.77	21.83	21.68				
15	16QAM	12	7	21.76	21.78	21.71	22.6	2		
15	16QAM	12	16	21.80	21.72	21.68				
15	16QAM	25	0	21.74	21.73	21.68				
15	64QAM	1	0	21.91	21.84	21.90				
15	64QAM	1	37	21.98	21.87	21.86	22.6	2		
15	64QAM	1	24	21.93	21.83	21.81				
15	64QAM	12	0	20.73	20.81	20.77				
15	64QAM	12	7	20.87	20.78	20.81	21.6	3		
15	64QAM	12	16	20.82	20.74	20.75				
15	64QAM	25	0	20.72	20.74	20.65				
Channel										
Channel				815.5	26665	27025	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
15	QPSK	1	0	23.81	23.84	23.86	24.8	0		
15	QPSK	1	37	23.77	23.71	23.71				
15	QPSK	1	14	23.82	23.64	23.64				
15	QPSK	8	0	22.74	22.83	22.80				
15	QPSK	8	4	22.86	22.74	22.72	23.6			
15	QPSK	8	8	22.68	22.77	22.75				
15	QPSK	15	0	22.70	22.70	22.71				
15	16QAM	1	0	23.09	23.02	22.96	23.6	1		
15	16QAM	1	37	23.07	23.01	23.09				
15	16QAM	1	14	23.01	22.90	23.03				
15	16QAM	8	0	21.73	21.72	21.71	22.6	2		
15	16QAM	8	4	21.75	21.73	21.70				
15	16QAM	8	8	21.79	21.71	21.68				
15	16QAM	15	0	21.81	21.81	21.67				
15	64QAM	1	0	21.96	21.79	21.84				
15	64QAM	1	37	22.01	22.00	21.98	22.6	2		
15	64QAM	1	14	21.96	21.86	21.72				
15	64QAM	8	0	20.78	20.79	20.75				
15	64QAM	8	4	20.91	20.72	20.80	21.6	3		
15	64QAM	8	8	20.84	20.71	20.77				
15	64QAM	15	0	20.72	20.71	20.70				
Channel										
Channel				26677	26665	27033	Turn-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
14	QPSK	1	0	23.83	23.88	23.73	24.8	0		
14	QPSK	1	37	23.83	23.79	23.79				
14	QPSK	1	5	23.86	23.84	23.70				
14	QPSK	3	0	23.80	23.77	23.72	23.6			
14	QPSK	3	3	23.92	23.80	23.73				
14	QPSK	6	0	22.87	22.77	22.72	23.6	1		
14	16QAM	1	0	23.07	23.07	23.07				
14	16QAM	1	5	23.11	23.03	23.06	23.6	1		
14	16QAM	3	0	22.91	22.76	22.74				
14	16QAM	3	3	22.93	22.77	22.72				
14	16QAM	3	6	22.87	22.78	22.70				
14	16QAM	6	0	21.93	21.85	21.79	22.6	2		
14	64QAM	1	0	22.03	21.99	21.90				
14	64QAM	1	37	22.00	21.92	21.84				
14	64QAM	1	5	22.03	21.96	21.88	22.6	2		
14	64QAM	3	0	21.96	21.86	21.85				
14	64QAM	3	1	21.98	21.87	21.82				
14	64QAM	3	3	21.97	21.87	21.82				
14	64QAM	6	0	20.86	20.75	20.72	21.6	3		

Reduced Power Mode for EC13

Band 2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.30	22.30	22.30	22.7	0	
20	QPSK	1	49	22.31	22.39	22.31			
20	QPSK	1	99	22.30	22.43	22.36			
20	QPSK	50	24	22.38	22.45	22.37			
20	QPSK	50	50	22.37	22.37	22.41			
20	QPSK	50	50	22.27	22.42	22.37			
20	QPSK	100	0	22.39	22.42	22.37			
20	16QAM	1	0	22.32	22.43	22.32			
20	16QAM	1	49	22.36	22.42	22.37			
20	16QAM	1	99	22.37	22.38	22.30			
20	16QAM	50	0	21.83	21.92	21.89			
20	16QAM	50	24	21.80	21.93	21.83			
20	16QAM	50	50	21.81	21.87	21.82			
20	16QAM	100	0	21.81	21.89	21.82			
20	64QAM	1	0	21.90	22.02	21.96			
20	64QAM	1	49	22.00	22.13	21.98			
20	64QAM	1	99	21.94	21.96	21.90			
20	64QAM	50	0	20.82	20.90	20.91			
20	64QAM	50	24	20.81	20.94	20.86			
20	64QAM	50	50	20.80	20.90	20.81			
20	64QAM	100	0	20.81	20.88	20.83			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.33	22.41	22.37			
15	QPSK	1	37	22.24	22.29	22.23			
15	QPSK	1	74	22.20	22.29	22.30			
15	QPSK	36	20	22.27	22.36	22.31			
15	QPSK	36	36	22.17	22.35	22.29			
15	QPSK	1	0	22.22	22.42	22.38			
15	16QAM	1	37	22.33	22.30	22.32			
15	16QAM	1	74	22.29	22.31	22.18			
15	16QAM	36	0	21.73	21.81	21.82			
15	16QAM	36	20	21.75	21.90	21.73			
15	16QAM	36	36	21.70	21.81	21.76			
15	16QAM	75	0	21.69	21.79	21.74			
15	64QAM	1	0	21.79	21.95	21.84			
15	64QAM	1	37	21.96	22.05	21.97			
15	64QAM	1	74	21.84	21.95	21.85			
15	64QAM	36	0	20.70	20.77	20.85			
15	64QAM	36	20	20.70	20.87	20.82			
15	64QAM	36	36	20.72	20.90	20.77			
15	64QAM	75	0	20.75	20.87	20.82			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.37	22.33	22.32			
10	QPSK	1	25	22.30	22.25	22.28			
10	QPSK	1	49	22.33	22.34	22.37			
10	QPSK	25	0	22.31	22.30	22.30			
10	QPSK	25	12	22.27	22.36	22.28			
10	QPSK	25	25	22.22	22.27	22.24			
10	QPSK	50	0	22.35	22.39	22.30			
10	16QAM	1	0	22.30	22.31	22.28			
10	16QAM	1	25	22.25	22.40	22.27			
10	16QAM	1	49	22.28	22.35	22.23			
10	16QAM	25	0	21.68	21.85	21.83			
10	16QAM	25	12	21.65	21.90	21.76			
10	16QAM	25	25	21.75	21.78	21.70			
10	16QAM	50	0	21.69	21.74	21.71			
10	64QAM	1	0	21.87	22.01	21.84			
10	64QAM	1	25	21.87	22.06	21.86			
10	64QAM	1	49	21.98	22.06	21.97			
10	64QAM	25	0	20.77	20.80	20.79			
10	64QAM	25	12	20.73	20.90	20.85			
10	64QAM	25	25	20.73	20.81	20.68			
10	64QAM	50	0	20.73	20.73	20.73			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.33	22.45	22.36			
5	QPSK	1	12	22.27	22.25	22.27			
5	QPSK	1	24	22.23	22.39	22.26			
5	QPSK	12	0	22.23	22.30	22.28			
5	QPSK	12	7	22.35	22.31	22.32			
5	QPSK	12	12	22.35	22.34	22.34			
5	QPSK	25	0	22.34	22.28	22.29			
5	16QAM	1	0	22.22	22.32	22.28			
5	16QAM	1	12	22.26	22.36	22.27			
5	16QAM	1	24	22.23	22.35	22.18			
5	16QAM	12	0	21.70	21.80	21.78			
5	16QAM	12	7	21.76	21.87	21.72			
5	16QAM	12	12	21.69	21.77	21.72			
5	16QAM	25	0	21.66	21.88	21.73			
5	64QAM	1	0	21.80	22.01	21.88			
5	64QAM	1	12	21.87	22.05	21.84			
5	64QAM	1	24	21.80	21.94	21.80			
5	64QAM	12	0	20.79	20.87	20.78			
5	64QAM	12	7	20.70	20.80	20.79			
5	64QAM	12	12	20.68	20.78	20.68			
5	64QAM	25	0	20.75	20.73	20.70			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.37	22.43	22.36			
3	QPSK	1	8	22.29	22.33	22.30			
3	QPSK	1	14	22.19	22.32	22.27			
3	QPSK	8	0	22.31	22.37	22.39			
3	QPSK	8	7	22.12	22.33	22.30			
3	QPSK	15	0	22.24	22.29	22.28			
3	16QAM	1	0	22.34	22.31	22.35			
3	16QAM	1	8	22.23	22.35	22.30			
3	16QAM	1	14	22.28	22.27	22.16			
3	16QAM	8	0	21.74	21.86	21.76			
3	16QAM	8	4	21.66	21.80	21.75			
3	16QAM	8	7	21.69	21.77	21.61			
3	16QAM	15	0	21.62	21.74	21.68			
3	64QAM	1	0	21.77	21.87	21.86			
3	64QAM	1	8	21.65	22.12	21.96			
3	64QAM	1	14	21.79	21.89	21.82			
3	64QAM	8	0	20.78	20.84	20.79			
3	64QAM	8	4	20.72	20.89	20.81			
3	64QAM	8	7	20.74	20.89	20.74			
3	64QAM	15	0	20.73	20.80	20.71			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.27	22.39	22.42			
1.4	QPSK	1	3	22.17	22.35	22.19			
1.4	QPSK	1	5	22.17	22.31	22.31			
1.4	QPSK	3	0	22.34	22.37	22.34			
1.4	QPSK	3	1	22.28	22.33	22.16			
1.4	QPSK	3	3	22.25	22.38	22.23			
1.4	QPSK	6	0	22.32	22.41	22.39			
1.4	16QAM	1	0	22.26	22.33	22.29			
1.4	16QAM	1	3	22.15	22.38	22.30			
1.4	16QAM	1	5	22.25	22.34	22.33			
1.4	16QAM	3	0	22.32	22.44	22.33			
1.4	16QAM	3	1	22.30	22.32	22.30			
1.4	16QAM	3	3	22.27	22.24	22.27			
1.4	64QAM	1	0	21.69	21.89	21.79			
1.4	64QAM	1	3	21.78	21.93	21.86			
1.4	64QAM	1	5	21.77	21.97	21.83			
1.4	64QAM	3	0	21.75	21.93	21.82			
1.4	64QAM	3	1	21.74	21.91	21.85			
1.4	64QAM	3	3	21.71	21.90	21.82			
1.4	64QAM	6	0	20.66	20.82	20.72			

Band 4_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-on limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	23.65	23.63	23.63	24.3	0	
20	QPSK	1	49	23.65	23.67	23.61			
20	QPSK	1	99	23.45	23.48	23.41			
20	QPSK	50	0	23.13	23.15	23.12			
20	QPSK	50	24	23.10	23.11	23.09			
20	QPSK	50	50	23.08	23.10	23.05	23.8	0.5	
20	QPSK	100	0	23.10	23.12	23.09			
20	16QAM	1	0	23.36	23.33	23.43			
20	16QAM	1	49	23.42	23.42	23.39			
20	16QAM	1	99	23.23	23.28	23.22			
20	16QAM	50	0	22.11	22.11	22.12			
20	16QAM	50	24	22.12	22.11	22.09			
20	16QAM	50	50	22.08	22.08	22.04	23.3	1	
20	16QAM	100	0	22.08	22.08	22.08			
20	64QAM	1	0	22.27	22.19	22.29			
20	64QAM	1	49	22.32	22.28	22.25			
20	64QAM	1	99	22.10	22.17	22.07			
20	64QAM	50	0	21.13	21.10	21.14			
20	64QAM	50	24	21.15	21.12	21.08			
20	64QAM	50	50	21.09	21.08	21.04	23.3	2	
20	64QAM	100	0	21.10	21.10	21.08			
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.73	23.69	23.58			
15	QPSK	1	37	23.63	23.63	23.53	24.3	0	
15	QPSK	1	74	23.31	23.39	23.31			
15	QPSK	1	111	23.12	23.15	23.03			
15	QPSK	36	20	22.97	22.99	23.02			
15	QPSK	36	39	23.01	23.07	22.98	23.8	0.5	
15	QPSK	36	58	23.08	23.06	23.00			
15	16QAM	1	0	23.25	23.32	23.34			
15	16QAM	1	37	23.36	23.32	23.37			
15	16QAM	1	74	23.18	23.14	23.09			
15	16QAM	36	0	21.99	21.98	22.11			
15	16QAM	36	20	21.96	22.00	22.07	23.3	1	
15	16QAM	36	39	22.00	21.99	21.91			
15	16QAM	36	58	22.00	21.98	22.00			
15	64QAM	1	0	22.24	22.12	22.14			
15	64QAM	1	37	22.17	22.14	22.20			
15	64QAM	1	74	22.03	22.03	22.04	23.3	1	
15	64QAM	36	20	21.07	21.03	21.05			
15	64QAM	36	39	21.12	20.99	20.99			
15	64QAM	36	58	21.07	20.95	20.97	22.3	2	
15	64QAM	36	77	21.01	20.95	21.01			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.67	23.58	23.60			
10	QPSK	1	26	23.45	23.34	23.48			
10	QPSK	1	49	23.33	23.37	23.33			
10	QPSK	25	0	23.03	23.06	23.00			
10	QPSK	25	25	23.03	23.02	23.03	23.8	0.5	
10	QPSK	25	50	23.05	23.05	22.97			
10	16QAM	1	0	23.25	23.20	23.33			
10	16QAM	1	26	23.35	23.45	23.25			
10	16QAM	1	49	23.17	23.14	23.10			
10	16QAM	25	0	21.87	22.03	22.00	23.8	0.5	
10	16QAM	25	25	21.87	22.00	21.97			
10	16QAM	25	50	21.86	21.89	21.83	23.3	1	
10	16QAM	50	0	22.01	21.99	21.95			
10	16QAM	50	1	22.20	22.14	22.14			
10	64QAM	1	0	22.31	22.26	22.21			
10	64QAM	1	49	22.03	22.09	21.94			
10	64QAM	25	0	21.04	20.96	21.06			
10	64QAM	25	25	21.00	21.01	21.03	23.3	2	
10	64QAM	25	50	21.02	21.02	20.93			
10	64QAM	50	0	21.08	20.96	20.95			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.68	23.67	23.58			
5	QPSK	1	12	23.60	23.55	23.50	24.3	0	
5	QPSK	1	24	23.44	23.36	23.36			
5	QPSK	12	0	23.05	23.05	23.05			
5	QPSK	12	7	23.02	23.08	23.02	23.8	0.5	
5	QPSK	12	13	23.07	23.06	23.02			
5	QPSK	12	19	23.03	23.06	23.03			
5	16QAM	1	0	23.25	23.24	23.37			
5	16QAM	1	12	23.34	23.28	23.35			
5	16QAM	1	24	23.10	23.16	23.08	23.8	0.5	
5	16QAM	12	0	22.03	22.06	22.07			
5	16QAM	12	7	21.99	22.00	22.07			
5	16QAM	12	13	21.94	22.03	21.99	23.3	1	
5	16QAM	12	19	21.86	22.01	21.99			
5	64QAM	1	0	22.22	22.20	22.16			
5	64QAM	1	12	22.22	22.20	22.16			
5	64QAM	1	24	22.03	22.05	22.01	23.3	1	
5	64QAM	12	0	21.12	21.08	21.13			
5	64QAM	12	7	21.05	21.09	20.99			
5	64QAM	12	13	21.03	21.00	20.93	22.3	2	
5	64QAM	12	19	21.03	21.00	20.90			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.53	23.52	23.50			
3	QPSK	1	4	23.40	23.36	23.01	24.3	0	
3	QPSK	1	8	23.12	23.15	23.12			
3	QPSK	1	14	23.39	23.40	23.31			
3	QPSK	8	0	23.12	23.14	22.98			
3	QPSK	8	4	23.06	22.96	23.01	23.8	0.5	
3	16QAM	1	0	23.32	23.34	23.42			
3	16QAM	1	4	23.28	23.30	23.32	23.8	0.5	
3	16QAM	1	14	23.18	23.13	23.20			
3	16QAM	8	0	22.04	22.10	22.05			
3	16QAM	8	4	22.03	22.05	22.00	23.3	1	
3	16QAM	8	7	21.94	22.03	21.91			
3	16QAM	15	0	22.00	22.00	21.98			
3	64QAM	1	0	22.29	22.15	22.14			
3	64QAM	1	4	22.25	22.19	22.19	23.3	1	
3	64QAM	1	14	22.06	22.10	22.06			
3	64QAM	8	0	21.02	21.04	21.07			
3	64QAM	8	4	21.10	21.07	21.09	23.3	2	
3	64QAM	15	0	21.06	21.04	20.90			
3	64QAM	15	0	21.08	21.00	21.00			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.57	23.53	23.53			
1.4	QPSK	1	3	23.53	23.50	23.42	24.3	0	
1.4	QPSK	1	5	23.47	23.57	23.42			
1.4	QPSK	1	7	23.52	23.51	23.42			
1.4	QPSK	3	1	23.50	23.51	23.42			
1.4	QPSK	3	3	23.52	23.52	23.42	23.8	0.5	
1.4	QPSK	3	5	23.43	23.50	23.31			
1.4	QPSK	1	0	23.24	23.29	23.19			
1.4	16QAM	1	3	23.20	23.27	23.18			
1.4	16QAM	1	5	23.21	23.27	23.22			
1.4	16QAM	3	1	23.00	23.05	23.00	23.8	0.5	
1.4	16QAM	3	1	23.01	23.01	23.94			
1.4	16QAM	3	3	23.01	22.99	22.92			
1.4	16QAM	3	5	22.07	22.05	22.19	23.3	1	
1.4	16QAM	1	0	22.20	22.22	22.14			
1.4	64QAM	1	3	22.15	22.18	22.07			
1.4	64QAM	1	5	22.16	22.21	22.09	23.3	1	
1.4	64QAM	3	1	22.13	22.12	22.04			
1.4	64QAM	3	1	22.11	22.13	22.01			
1.4	64QAM	3	3	22.11	22.10	22.02	22.3	2	

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									
Frequency (MHz)				20450	20525	20600			
10	QPSK	1	0	22.60	22.65	22.62			
10	QPSK	1	25	23.76	23.73	23.67	24.8	0	
10	QPSK	1	49	23.74	23.73	23.74			
10	QPSK	25	0	22.33	22.38	22.36			
10	QPSK	25	12	22.33	22.38	22.36			
10	QPSK	25	25	22.28	22.27	22.19	23.8	1	
10	QPSK	50	0	22.25	22.30	22.21			
10	16QAM	1	0	22.60	22.60	22.61			
10	16QAM	1	25	22.63	22.58	22.43	23.8	1	
10	16QAM	1	49	22.54	22.54	22.52			
10	16QAM	25	0	21.34	21.22	21.25			
10	16QAM	25	12	21.34	21.26	21.20			
10	16QAM	25	25	21.29	21.29	21.17	22.8	2	
10	16QAM	50	0	21.35	21.25	21.21			
10	64QAM	1	0	21.49	21.44	21.45			
10	64QAM	1	25	21.52	21.39	21.32	22.8	2	
10	64QAM	1	49	21.44	21.42	21.42			
10	64QAM	25	0	20.35	20.23	20.24			
10	64QAM	25	12	20.34	20.25	20.19			
10	64QAM	25	25	20.29	20.27	20.19	21.8	3	
10	64QAM	50	0	20.34	20.23	20.20			
Channel									
Frequency (MHz)				20475	20525	20585	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.67	23.73	23.72			
5	QPSK	1	12	23.61	23.61	23.66	24.8	0	
5	QPSK	1	24	23.61	23.61	23.60			
5	QPSK	12	0	22.18	22.18	22.23			
5	QPSK	12	7	22.13	22.14	22.11	23.8	1	
5	QPSK	12	13	22.17	22.23	22.13			
5	QPSK	25	0	22.20	22.25	22.20			
5	16QAM	1	0	22.57	22.49	22.53			
5	16QAM	1	12	22.60	22.51	22.29	23.8	1	
5	16QAM	1	24	22.44	22.39	22.38			
5	16QAM	12	0	21.28	21.21	21.11			
5	16QAM	12	7	21.27	21.13	21.19	22.8	2	
5	16QAM	12	13	21.17	21.20	21.09			
5	16QAM	25	0	21.29	21.17	21.17			
5	64QAM	1	0	21.39	21.34	21.35			
5	64QAM	1	12	21.46	21.32	21.25	22.8	2	
5	64QAM	1	24	21.41	21.34	21.31			
5	64QAM	12	0	20.34	20.22	20.17			
5	64QAM	12	7	20.32	20.25	20.04	21.8	3	
5	64QAM	12	13	20.28	20.16	20.07			
5	64QAM	25	0	20.25	20.16	20.11			
Channel									
Frequency (MHz)				20495	20525	20563	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.75	23.73	23.69			
3	QPSK	1	8	23.72	23.69	23.56	24.8	0	
3	QPSK	1	14	23.71	23.72	23.59			
3	QPSK	8	0	22.23	22.21	22.16			
3	QPSK	8	4	22.16	22.17	22.16	23.8	1	
3	QPSK	8	7	22.25	22.20	22.05			
3	QPSK	16	0	22.20	22.21	22.16			
3	16QAM	1	0	22.59	22.50	22.53			
3	16QAM	1	8	22.61	22.43	22.28	23.8	1	
3	16QAM	1	14	22.50	22.48	22.38			
3	16QAM	8	0	21.29	21.19	21.14			
3	16QAM	8	4	21.29	21.17	21.16	22.8	2	
3	16QAM	8	7	21.15	21.23	21.04			
3	16QAM	16	0	21.20	21.14	21.08			
3	64QAM	1	0	21.36	21.30	21.35			
3	64QAM	1	8	21.48	21.31	21.31	22.8	2	
3	64QAM	1	14	21.29	21.30	21.34			
3	64QAM	8	0	20.34	20.20	20.22			
3	64QAM	8	4	20.29	20.16	20.14	21.8	3	
3	64QAM	8	7	20.24	20.21	20.07			
3	64QAM	16	0	20.32	20.16	20.09			
Channel									
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.81	23.79	23.66			
1.4	QPSK	1	3	23.78	23.74	23.67			
1.4	QPSK	1	5	23.75	23.73	23.70	24.8	0	
1.4	QPSK	3	0	23.77	23.72	23.68			
1.4	QPSK	3	1	23.80	23.72	23.70			
1.4	QPSK	3	3	23.79	23.72	23.72			
1.4	QPSK	6	0	22.28	22.21	22.17	23.8	1	
1.4	16QAM	1	0	22.55	22.51	22.39			
1.4	16QAM	1	3	22.50	22.51	22.42			
1.4	16QAM	1	5	22.50	22.51	22.41			
1.4	16QAM	3	0	22.27	22.20	22.13	23.8	1	
1.4	16QAM	3	1	22.28	22.22	22.19			
1.4	16QAM	3	3	22.27	22.18	22.17			
1.4	16QAM	6	0	21.34	21.28	21.27	22.8	2	
1.4	64QAM	1	0	21.48	21.46	21.35			
1.4	64QAM	1	3	21.40	21.40	21.34			
1.4	64QAM	1	5	21.45	21.42	21.34			
1.4	64QAM	3	0	21.40	21.32	21.28	22.8	2	
1.4	64QAM	3	1	21.38	21.29	21.29			
1.4	64QAM	3	3	21.38	21.33	21.29			
1.4	64QAM	6	0	20.24	20.19	20.18	21.8	3	

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									
Frequency (MHz)				20450	20525	20590			
10	QPSK	1	0	22.43	22.33	22.33			
10	QPSK	1	25	23.83	23.72	23.72	24.6	0	
10	QPSK	1	49	23.73	23.74	23.74			
10	QPSK	25	0	22.33	22.40	22.23			
10	QPSK	25	12	22.33	22.22	22.22			
10	QPSK	25	25	22.24	22.28	22.16	23.6	1	
10	QPSK	50	0	22.31	22.36	22.27			
10	16QAM	1	0	22.55	22.55	22.56			
10	16QAM	1	25	22.58	22.50	22.38	23.6	1	
10	16QAM	1	49	22.47	22.44	22.50			
10	16QAM	25	0	21.34	21.19	21.22			
10	16QAM	25	12	21.31	21.20	21.17			
10	16QAM	25	25	21.23	21.27	21.16	22.6	2	
10	16QAM	50	0	21.33	21.23	21.19			
10	64QAM	1	0	21.47	21.39	21.43			
10	64QAM	1	25	21.45	21.37	21.29	22.6	2	
10	64QAM	1	49	21.39	21.39	21.41			
10	64QAM	25	0	20.31	20.18	20.20			
10	64QAM	25	12	20.30	20.22	20.16			
10	64QAM	25	25	20.23	20.26	20.16	21.6	3	
10	64QAM	50	0	20.31	20.22	20.27			
Channel									
Frequency (MHz)				20425	20525	20565	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.75	23.67	23.78			
5	QPSK	1	12	23.74	23.62	23.61	24.6	0	
5	QPSK	1	24	23.70	23.64	23.67			
5	QPSK	12	0	22.24	22.20	22.22			
5	QPSK	12	7	22.21	22.15	22.15			
5	QPSK	12	13	22.10	22.21	22.02	23.6	1	
5	QPSK	25	0	22.52	22.38	22.21			
5	16QAM	1	0	22.51	22.52	22.51			
5	16QAM	1	12	22.46	22.49	22.32	23.6	1	
5	16QAM	1	24	22.41	22.43	22.47			
5	16QAM	12	0	21.23	21.11	21.17			
5	16QAM	12	7	21.25	21.13	21.04	22.6	2	
5	16QAM	12	13	21.16	21.21	21.04			
5	16QAM	25	0	21.32	21.10	21.11			
5	64QAM	1	0	21.34	21.32	21.38			
5	64QAM	1	12	21.36	21.33	21.24	22.6	2	
5	64QAM	1	24	21.32	21.35	21.35			
5	64QAM	12	0	20.29	20.12	20.06			
5	64QAM	12	7	20.25	20.14	20.06	21.6	3	
5	64QAM	12	13	20.16	20.15	20.06			
5	64QAM	25	0	20.14	20.08	20.08			
Channel									
Frequency (MHz)				20415	20515	20545	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.84	23.82	23.73			
3	QPSK	1	8	23.77	23.69	23.53	24.6	0	
3	QPSK	1	14	23.67	23.71	23.61			
3	QPSK	8	0	22.29	22.37	22.13			
3	QPSK	8	4	22.32	22.11	22.05	23.6	1	
3	QPSK	8	7	22.13	22.17	22.02			
3	QPSK	16	0	22.25	22.26	22.15			
3	16QAM	1	0	22.44	22.52	22.41			
3	16QAM	1	8	22.56	22.38	22.31	23.6	1	
3	16QAM	1	14	22.30	22.30	22.48			
3	16QAM	8	0	21.27	21.06	21.13			
3	16QAM	8	4	21.17	21.13	21.0	22.6	1	
3	16QAM	8	7	21.14	21.17	21.08			
3	16QAM	16	0	21.18	21.11	21.03			
3	64QAM	1	0	21.18	21.21	21.28			
3	64QAM	1	8	21.45	21.30	21.36			
3	64QAM	1	8	21.35	21.25	21.21	22.6	2	
3	64QAM	1	14	21.27	21.29	21.36			
3	64QAM	8	0	20.23	20.10	20.06			
3	64QAM	8	4	20.23	20.20	20.13	21.6	3	
3	64QAM	8	7	20.15	20.14	20.14			
3	64QAM	15	0	20.27	20.16	20.16			
Channel									
Frequency (MHz)				20417	20517	20543	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	82.7	83.65	84.3			
1.4	QPSK	1	3	23.83	23.79	23.75			
1.4	QPSK	1	3	23.77	23.79	23.69	24.6	0	
1.4	QPSK	1	3	23.82	23.77	23.69			
1.4	QPSK	3	1	23.81	23.72	23.67			
1.4	QPSK	3	1	23.77	23.71	23.70			
1.4	QPSK	3	1	23.83	23.75	23.72			
1.4	QPSK	3	1	23.78	23.72	23.72	23.6	1	
1.4	QPSK	3	1	23.76	23.72	23.72			
1.4	16QAM	1	0	22.54	22.54	22.42			
1.4	16QAM	1	3	22.49	22.46	22.42			
1.4	16QAM	1	3	22.46	22.51	22.46			
1.4	16QAM	3	0	22.27	22.21	22.18	23.6	1	
1.4	16QAM	3	1	22.32	22.28	22.19			
1.4	16QAM	3	1	22.29	22.18	22.20			
1.4	16QAM	6	0	21.33	21.21	21.23	22.6	2	
1.4	64QAM	1	0	21.51	21.44	21.37			
1.4	64QAM	1	3	21.42	21.41	21.38			
1.4	64QAM	1	3	21.42	21.45	21.37			
1.4	64QAM	3	0	21.37	21.35	21.30	22.6	2	
1.4	64QAM	3	1	21.38	21.33	21.33			
1.4	64QAM	3	1	21.37	21.31	21.32			
1.4	64QAM	3	1	20.34	20.27	20.27	21.6	3	

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26685	26685			
15	QPSK	1	0	821.5	831.5	841.5			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.78	23.71			
15	QPSK	36	0	22.80	22.80	22.77			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	75	0	22.78	22.80	22.77			
15	16QAM	1	0	23.12	23.09	23.06			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	75	0	21.86	21.83	21.78			
15	64QAM	1	0	21.99	21.94	21.90			
15	64QAM	1	37	22.03	21.98	21.90	22.8	2	
15	64QAM	1	74	21.95	21.89	21.85			
15	64QAM	36	0	20.85	20.83	20.79			
15	64QAM	36	20	20.87	20.85	20.78	21.8	3	
15	64QAM	36	39	20.83	20.83	20.75			
15	64QAM	75	0	20.83	20.80	20.75			
Channel									
Frequency (MHz)				26740	26685	26685	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.76	24.8	0	
10	QPSK	1	49	23.80	23.71	23.69			
10	QPSK	25	0	22.71	22.69	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.65			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	49	22.93	22.92	22.81			
10	16QAM	25	0	21.74	21.80	21.69			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.66	21.73	21.67			
10	16QAM	50	0	21.73	21.77	21.66			
10	64QAM	1	0	21.84	21.81	21.84			
10	64QAM	1	25	21.88	21.83	21.84	22.8	2	
10	64QAM	1	49	21.92	21.87	21.74			
10	64QAM	25	0	20.70	20.70	20.67			
10	64QAM	25	12	20.78	20.82	20.68	21.8	3	
10	64QAM	25	25	20.77	20.77	20.69			
10	64QAM	50	0	20.78	20.78	20.66			
Channel									
Frequency (MHz)				26715	26685	27015	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	816.5	831.5	846.5			
5	QPSK	1	12	23.84	23.79	23.80	24.8	0	
5	QPSK	1	25	23.83	23.73	23.73			
5	QPSK	1	24	23.76	23.66	23.55			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	7	22.76	22.68	22.68	23.8		
5	QPSK	12	13	22.79	22.72	22.70			
5	QPSK	25	0	22.67	22.61	22.63			
5	16QAM	1	0	23.08	22.94	22.93			
5	16QAM	1	12	22.99	23.00	23.02	23.8	1	
5	16QAM	1	24	22.96	22.93	22.91			
5	16QAM	12	0	21.82	21.77	21.82			
5	16QAM	12	7	21.76	21.81	21.72	22.8	2	
5	16QAM	12	13	21.66	21.75	21.61			
5	16QAM	25	0	21.73	21.69	21.71			
5	64QAM	1	0	21.91	21.90	21.91			
5	64QAM	1	12	22.01	21.95	21.92	22.8	2	
5	64QAM	1	24	21.87	21.74	21.78			
5	64QAM	12	0	20.76	20.76	20.64			
5	64QAM	12	7	20.75	20.80	20.64	21.8	3	
5	64QAM	12	13	20.73	20.74	20.68			
5	64QAM	25	0	20.81	20.85	20.69			
Channel									
Frequency (MHz)				26705	26685	27015	Turn-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	23.77	23.74	23.76			
3	QPSK	1	8	23.74	23.75	23.77	24.8	0	
3	QPSK	1	14	23.75	23.69	23.67			
3	QPSK	8	0	22.72	22.81	22.72			
3	QPSK	8	4	22.76	22.73	22.63	23.8		
3	QPSK	8	7	22.74	22.70	22.70			
3	QPSK	15	0	22.67	22.76	22.65			
3	16QAM	1	0	22.97	22.89	23.07			
3	16QAM	1	8	22.96	22.79	22.96	23.8	1	
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.75	21.89			
3	16QAM	8	4	21.75	21.79	21.70	22.8	2	
3	16QAM	8	7	21.69	21.73	21.59			
3	16QAM	15	0	21.76	21.73	21.67			
3	64QAM	1	0	21.94	21.79	21.86			
3	64QAM	1	8	21.90	21.83	21.81	22.8	2	
3	64QAM	1	14	21.80	21.62	21.81			
3	64QAM	8	0	20.76	20.73	20.86			
3	64QAM	8	4	20.83	20.75	20.73	21.8	3	
3	64QAM	8	7	20.80	20.72	20.84			
3	64QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)				26677	26685	26703	Turn-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	23.86	23.80	23.83			
1.4	QPSK	1	5	23.82	23.74	23.74	24.8	0	
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	1	23.84	23.75	23.70			
1.4	QPSK	6	0	22.83	22.77	22.68	23.8	1	
1.4	16QAM	1	0	23.06	23.05	22.98			
1.4	16QAM	1	5	23.04	23.00	22.94	23.8	1	
1.4	16QAM	3	0	22.80	22.79	22.66			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	1	22.84	22.74	22.62	22.8	2	
1.4	16QAM	6	0	21.89	21.85	21.78			
1.4	64QAM	1	0	21.97	21.96	21.89			
1.4	64QAM	1	5	22.01	21.95	21.87	22.8	2	
1.4	64QAM	1	1	21.96	21.93	21.87			
1.4	64QAM	3	0	20.79	20.74	20.67	21.8	3	

Band 26_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)	Channel			26765	26865	26965			
821.5	0	23.75	23.75	23.80	23.80	23.77	24.8	0	
15 QPSK	1	37	23.89	23.88	23.77	23.77	24.8	0	
15 QPSK	1	74	23.89	23.79	23.78	23.78	24.8	0	
15 QPSK	36	0	22.80	22.80	22.80	22.80	23.8	1	
15 QPSK	36	20	22.81	22.84	22.76	22.76	23.8	1	
15 QPSK	75	0	22.80	22.80	22.77	22.77	23.8	1	
15 16QAM	1	0	23.15	23.04	23.01	23.01	23.8	1	
15 16QAM	1	37	23.13	23.11	23.01	23.01	23.8	1	
15 16QAM	1	74	23.08	23.03	23.02	23.02	23.8	1	
15 16QAM	36	0	21.86	21.80	21.77	21.77	22.8	2	
15 16QAM	36	20	21.81	21.84	21.81	21.81	22.8	2	
15 16QAM	36	39	21.82	21.85	21.76	21.76	22.8	2	
15 16QAM	75	0	21.88	21.86	21.79	21.79	22.8	2	
15 64QAM	1	0	22.05	21.94	21.93	21.93	22.8	2	
15 64QAM	1	37	22.03	22.00	21.93	21.93	22.8	2	
15 64QAM	1	74	21.98	21.92	21.87	21.87	22.8	2	
15 64QAM	36	0	20.88	20.87	20.87	20.87	21.8	3	
15 64QAM	36	20	20.92	20.87	20.82	20.82	21.8	3	
15 64QAM	36	39	20.88	20.90	20.78	20.78	21.8	3	
15 64QAM	75	0	20.87	20.85	20.78	20.78	21.8	3	
Channel									
Frequency (MHz)	Channel			26740	26865	26965	Turn-up limit (dBm)	MPR (dB)	
819	0	23.75	23.75	23.80	23.80	23.77	24.8	0	
15 QPSK	1	0	23.77	23.86	23.82	23.82	24.8	0	
15 QPSK	1	37	23.87	23.86	23.75	23.75	24.8	0	
15 QPSK	1	49	23.85	23.71	23.68	23.68	24.8	0	
15 QPSK	20	0	22.83	22.87	22.72	22.72	23.8	1	
15 QPSK	20	12	22.84	22.89	22.70	22.70	23.8	1	
15 QPSK	20	24	22.89	22.76	22.68	22.68	23.8	1	
15 QPSK	50	0	22.72	22.84	22.72	22.72	23.8	1	
15 16QAM	1	0	23.01	23.03	23.03	23.03	23.8	1	
15 16QAM	1	37	23.02	23.08	23.02	23.02	23.8	1	
15 16QAM	1	49	23.07	22.99	23.00	23.00	23.8	1	
15 16QAM	20	0	21.84	21.78	21.73	21.73	22.8	2	
15 16QAM	20	12	21.88	21.77	21.78	21.78	22.8	2	
15 16QAM	20	24	21.89	21.82	21.73	21.73	22.8	2	
15 16QAM	50	0	21.73	21.74	21.73	21.73	22.8	2	
15 64QAM	1	0	21.92	21.91	21.81	21.81	22.8	2	
15 64QAM	1	26	22.03	21.92	21.92	21.92	22.8	2	
15 64QAM	1	37	22.03	21.91	21.81	21.81	22.8	2	
15 64QAM	20	0	20.82	20.81	20.60	20.60	21.8	3	
15 64QAM	20	12	20.84	20.74	20.74	20.74	21.8	3	
15 64QAM	20	24	20.84	20.74	20.60	20.60	21.8	3	
15 64QAM	50	0	20.75	20.76	20.71	20.71	21.8	3	
Channel									
Frequency (MHz)	Channel			26715	26865	26975	Turn-up limit (dBm)	MPR (dB)	
816.5	0	23.75	23.75	23.80	23.80	23.75	24.8	0	
15 QPSK	1	0	23.80	23.86	23.84	23.84	24.8	0	
15 QPSK	1	37	23.84	23.84	23.73	23.73	24.8	0	
15 QPSK	1	74	23.75	23.76	23.67	23.67	24.8	0	
15 QPSK	12	0	22.75	22.86	22.72	22.72	23.8	1	
15 QPSK	12	7	22.77	22.73	22.67	22.67	23.8	1	
15 QPSK	12	14	22.78	22.80	22.68	22.68	23.8	1	
15 QPSK	20	0	22.79	22.83	22.68	22.68	23.8	1	
15 16QAM	1	0	23.07	23.04	23.02	23.02	23.8	1	
15 16QAM	1	37	23.07	23.07	23.02	23.02	23.8	1	
15 16QAM	1	74	23.07	23.02	23.02	23.02	23.8	1	
15 16QAM	1	24	22.97	22.92	23.03	23.03	23.8	1	
15 16QAM	12	0	21.77	21.83	21.68	21.68	22.8	2	
15 16QAM	12	7	21.76	21.78	21.71	21.71	22.8	2	
15 16QAM	12	14	21.77	21.78	21.68	21.68	22.8	2	
15 16QAM	20	0	21.74	21.73	21.68	21.68	22.8	2	
15 64QAM	1	0	21.91	21.84	21.69	21.69	22.8	2	
15 64QAM	1	37	21.91	21.87	21.78	21.78	22.8	2	
15 64QAM	1	74	21.83	21.83	21.71	21.71	22.8	2	
15 64QAM	12	0	20.73	20.81	20.67	20.67	21.8	3	
15 64QAM	12	7	20.87	20.78	20.81	20.81	21.8	3	
15 64QAM	12	14	20.87	20.78	20.67	20.67	21.8	3	
15 64QAM	20	0	20.72	20.74	20.65	20.65	21.8	3	
Channel									
Frequency (MHz)	Channel			26705	26865	26975	Turn-up limit (dBm)	MPR (dB)	
815.5	0	23.75	23.75	23.80	23.80	23.75	24.8	0	
3 QPSK	1	0	23.81	23.94	23.86	23.86	24.8	0	
3 QPSK	1	37	23.86	23.86	23.75	23.75	24.8	0	
3 QPSK	1	14	23.82	23.64	23.64	23.64	24.8	0	
3 QPSK	8	0	22.74	22.83	22.68	22.68	23.8	1	
3 QPSK	8	4	22.85	22.79	22.72	22.72	23.8	1	
3 QPSK	8	8	22.86	22.77	22.68	22.68	23.8	1	
3 QPSK	16	0	22.70	22.70	22.71	22.71	23.8	1	
3 16QAM	1	0	23.09	23.02	22.96	22.96	23.8	1	
3 16QAM	1	37	23.09	23.09	22.96	22.96	23.8	1	
3 16QAM	1	14	23.01	22.90	22.93	22.93	23.8	1	
3 16QAM	8	0	21.73	21.72	21.71	21.71	22.8	2	
3 16QAM	8	4	21.87	21.73	21.70	21.70	22.8	2	
3 16QAM	8	8	21.87	21.78	21.69	21.69	22.8	2	
3 16QAM	16	0	21.81	21.81	21.67	21.67	22.8	2	
3 64QAM	1	0	21.96	21.79	21.94	21.94	22.8	2	
3 64QAM	1	37	22.01	22.00	21.92	21.92	22.8	2	
3 64QAM	1	14	21.98	21.86	21.72	21.72	22.8	2	
3 64QAM	8	0	20.78	20.79	20.75	20.75	21.8	3	
3 64QAM	8	4	20.91	20.72	20.85	20.85	21.8	3	
3 64QAM	8	8	20.91	20.77	20.77	20.77	21.8	3	
3 64QAM	16	0	20.72	20.71	20.70	20.70	21.8	3	
Channel									
Frequency (MHz)	Channel			26697	26865	26975	Turn-up limit (dBm)	MPR (dB)	
814.7	0	23.75	23.75	23.80	23.80	23.75	24.8	0	
1.4 QPSK	1	0	23.83	23.88	23.85	23.85	24.8	0	
1.4 QPSK	1	37	23.88	23.88	23.75	23.75	24.8	0	
1.4 QPSK	1	5	23.86	23.84	23.70	23.70	24.8	0	
1.4 QPSK	3	0	22.80	23.90	23.72	23.72	23.8	1	
1.4 QPSK	6	0	22.87	22.87	22.72	22.72	23.8	1	
1.4 16QAM	1	0	23.07	23.07	23.03	23.03	23.8	1	
1.4 16QAM	1	37	23.07	23.07	23.03	23.03	23.8	1	
1.4 16QAM	1	5	23.11	23.03	23.06	23.06	23.8	1	
1.4 16QAM	3	0	22.91	22.76	22.74	22.74	23.8	1	
1.4 16QAM	3	1	22.83	22.77	22.72	22.72	23.8	1	
1.4 16QAM	3	2	22.78	22.70	22.70	22.70	23.8	1	
1.4 64QAM	1	0	21.93	21.85	21.79	21.79	22.8	2	
1.4 64QAM	1	37	22.03	21.96	21.90	21.90	22.8	2	
1.4 64QAM	1	5	22.03	21.96	21.88	21.88	22.8	2	
1.4 64QAM	3	0	21.96	21.86	21.88	21.88	22.8	2	
1.4 64QAM	3	1	21.88	21.87	21.82	21.82	22.8	2	
1.4 64QAM	3	2	21.87	21.85	21.78	21.78	22.8	2	
1.4 64QAM	6	0	20.86	20.75	20.72	20.72	21.8	3	

Reduced Power Mode for ECI5

Band 2_Ant 3										
BW (MHz)	Modulation	RIS flow	RIS offset	Power Low Ch (F/Ces)	Power Middle Ch (F/Ces)	Power High Ch (F/Ces)	Turn-on time (ms)	MRR (dB)		
Channel										
Frequency (MHz)				18700	18890	19150				
20	QPSK	1	0	18.82	18.82	18.82				
20	QPSK	1	49	14.82	14.82	14.82	15.2	0		
20	QPSK	1	99	14.89	15.05	14.93				
20	QPSK	50	0	14.87	15.02	14.92				
20	QPSK	50	25	14.97	15.05	14.92				
20	QPSK	50	50	14.92	14.82	14.78	15.2	0		
20	QPSK	100	0	14.85	15.03	14.96				
20	QPSK	100	25	14.82	14.96	14.86				
20	16QAM	1	49	14.79	14.95	14.79				
20	16QAM	1	99	14.99	14.91	14.74				
20	16QAM	50	0	14.93	15.06	14.80				
20	16QAM	50	25	14.95	14.96	14.92				
20	16QAM	50	50	14.98	15.04	14.86	15.2	0		
20	16QAM	100	0	14.87	15.03	14.94				
20	16QAM	100	25	14.94	14.93	14.82				
20	64QAM	1	49	14.84	15.03	14.94	15.2	0		
20	64QAM	1	99	14.90	15.06	14.89				
20	64QAM	50	0	14.83	15.04	14.89				
20	64QAM	50	25	14.94	14.97	14.82				
20	64QAM	50	50	14.93	14.90	14.88				
20	64QAM	100	0	14.97	14.94	14.88				
Channel										
Frequency (MHz)				18875	18890	1902.5	Turn-on time (ms)	MRR (dB)		
15	QPSK	1	0	19.04	19.07	19.07				
15	QPSK	1	37	14.80	14.85	14.88	15.2	0		
15	QPSK	1	74	14.82	14.83	14.83				
15	QPSK	36	0	14.99	15.02	14.98				
15	QPSK	36	20	14.88	14.93	14.81				
15	QPSK	36	39	14.83	14.82	14.80	15.2	0		
15	QPSK	36	58	14.99	15.07	14.92				
15	16QAM	1	0	14.86	14.89	14.77				
15	16QAM	1	37	14.79	14.84	14.85	15.2	0		
15	16QAM	1	74	14.81	14.82	14.82				
15	16QAM	36	0	14.82	15.02	14.80				
15	16QAM	36	20	14.87	15.01	14.87	15.2	0		
15	16QAM	36	39	14.81	15.03	14.81				
15	16QAM	36	58	14.88	15.04	14.82				
15	64QAM	1	0	14.93	14.98	14.85				
15	64QAM	1	37	14.81	14.81	14.82	15.2	0		
15	64QAM	1	74	14.80	14.87	14.81				
15	64QAM	36	0	14.84	15.01	14.84				
15	64QAM	36	20	14.95	15.02	14.87	15.2	0		
15	64QAM	36	39	14.90	14.94	14.87				
15	64QAM	36	58	14.90	14.96	14.83				
Channel										
Frequency (MHz)				18855	18890	19150	Turn-on time (ms)	MRR (dB)		
15	QPSK	1	0	15.01	15.03	14.99				
10	QPSK	1	25	14.88	14.88	14.83	15.2	0		
10	QPSK	1	49	14.83	14.81	14.84				
10	QPSK	25	0	15.00	15.05	14.90				
10	QPSK	25	25	14.93	14.95	14.87				
10	QPSK	25	25	14.92	14.93	14.89	15.2	0		
10	QPSK	50	0	14.82	14.96	14.90				
10	16QAM	1	0	14.89	14.99	14.73				
10	16QAM	1	25	14.90	14.88	14.84	15.2	0		
10	16QAM	1	49	14.88	14.94	14.76				
10	16QAM	25	0	14.94	15.07	14.84				
10	16QAM	25	25	15.00	14.95	14.88				
10	16QAM	25	25	14.98	14.93	14.88	15.2	0		
10	16QAM	50	0	14.88	14.98	14.83				
10	16QAM	50	25	14.85	15.03	14.85				
10	64QAM	1	25	14.81	15.03	14.92	15.2	0		
10	64QAM	1	49	14.86	14.86	14.87				
10	64QAM	25	0	14.80	15.05	14.98				
10	64QAM	25	25	14.84	15.01	14.91	15.2	0		
10	64QAM	25	25	14.94	14.90	14.87				
10	64QAM	50	0	15.01	15.01	14.82				
Channel										
Frequency (MHz)				1902.5	18890	1907.5	Turn-on time (ms)	MRR (dB)		
5	QPSK	1	0	15.04	15.07	15.01				
5	QPSK	1	12	14.82	14.89	14.89	15.2	0		
5	QPSK	1	25	15.00	14.94	14.91				
5	QPSK	12	0	14.88	14.84	14.84				
5	QPSK	12	7	14.94	15.01	14.83	15.2	0		
5	QPSK	12	13	14.98	14.87	14.86				
5	QPSK	25	0	14.88	14.86	14.82				
5	16QAM	1	0	14.86	14.84	14.86				
5	16QAM	1	12	14.79	14.82	14.88	15.2	0		
5	16QAM	1	25	14.90	14.88	14.78				
5	16QAM	12	0	14.83	15.03	14.88				
5	16QAM	12	7	14.96	14.94	14.77				
5	16QAM	12	13	15.00	14.95	14.89				
5	16QAM	25	0	14.82	15.01	14.99				
5	64QAM	1	0	14.96	15.03	14.79				
5	64QAM	1	12	14.95	14.91	14.86	15.2	0		
5	64QAM	1	25	14.89	14.88	14.86				
5	64QAM	12	0	14.84	14.93	14.99				
5	64QAM	12	7	14.90	14.89	14.85	15.2	0		
5	64QAM	12	13	14.87	14.95	14.91				
5	64QAM	25	0	14.90	15.01	14.91				
Channel										
Frequency (MHz)				18915	18890	19185	Turn-on time (ms)	MRR (dB)		
3	QPSK	1	0	18.95	18.96	18.95				
3	QPSK	1	7	14.89	14.88	14.83	15.2	0		
3	QPSK	1	14	14.83	14.84	14.88				
3	QPSK	8	0	14.89	15.05	14.85				
3	QPSK	8	7	14.94	14.94	14.83				
3	QPSK	8	7	14.93	14.89	14.84	15.2	0		
3	QPSK	15	0	14.94	14.98	14.87				
3	16QAM	1	0	14.83	14.98	14.77				
3	16QAM	1	7	14.84	14.89	14.80	15.2	0		
3	16QAM	1	14	14.90	14.84	14.84				
3	16QAM	8	0	14.82	15.07	14.87				
3	16QAM	8	7	14.94	14.94	14.83				
3	16QAM	8	7	14.94	14.99	14.91	15.2	0		
3	16QAM	15	0	14.85	14.93	14.95				
3	64QAM	1	0	14.89	15.01	14.78				
3	64QAM	1	8	14.91	14.96	14.90	15.2	0		
3	64QAM	1	14	14.99	14.99	14.88				
3	64QAM	8	0	14.78	15.02	14.87				
3	64QAM	8	7	14.89	14.91	14.83	15.2	0		
3	64QAM	8	7	14.88	14.93	14.78				
3	64QAM	15	0	15.02	15.00	14.76				
Channel										
Frequency (MHz)				19007	18890	19193	Turn-on time (ms)	MRR (dB)		
1.4	QPSK	1	0	14.93	15.08	14.98				
1.4	QPSK	1	3	14.80	14.89	14.94				
1.4	QPSK	1	5	14.85	14.88	14.83	15.2	0		
1.4	QPSK	3	0	14.93	14.95	14.94				
1.4	QPSK	3	3	14.94	15.02	14.93				
1.4	QPSK	3	3	14.92	14.82	14.83	15.2	0		
1.4	QPSK	5	0	14.98	15.05	14.95				
1.4	16QAM	1	0	14.93	14.88	14.85				
1.4	16QAM	1	3	14.80	14.93	14.74				
1.4	16QAM	1	5	14.87	14.87	14.86	15.2	0		
1.4	16QAM	3	0	14.85	14.94	14.86				
1.4	16QAM	3	1	14.90	14.99	14.89				
1.4	16QAM	3	3	14.95	14.89	14.95	15.2	0		
1.4	16QAM	5	0	14.86	14.95	14.84				
1.4	64QAM	1	0	14.87	14.98	14.78				
1.4	64QAM	1	3	14.85	14.92	14.95				
1.4	64QAM	1	5	14.99	14.95	14.90	15.2	0		
1.4	64QAM	3	0	14.81	15.02	14.90				
1.4	64QAM	3	1	14.91	14.94	14.82				
1.4	64QAM	3	3	14.92	14.92	14.86	15.2	0		

Band 4_Ant 4										
BW (MHz)	Modulation	RB Size	RB Count	Power Low Ch / Freq	Power Mide Ch / Freq	Power High Ch / Freq	Turn-on time (ms)	MRR (dB)		
Channel										
Frequency (MHz)				1720	17325	17445				
15	QPSK	1	49	23.68	23.67	23.81	24.3	0		
20	QPSK	1	99	23.45	23.48	23.41				
20	QPSK	50	0	23.10	23.15	23.13				
20	QPSK	50	25	23.10	23.11	23.12	23.8	0.5		
20	QPSK	100	0	23.10	23.15	23.05				
20	QPSK	50	25	23.10	23.11	23.12	23.8	0.5		
20	QPSK	100	0	22.98	22.98	22.08				
20	QPSK	50	25	22.97	22.97	22.98	23.3	1		
20	QPSK	100	0	22.32	22.28	22.25				
20	QPSK	1	99	22.10	22.17	22.07				
20	QPSK	50	0	21.13	21.10	21.14				
20	QPSK	50	25	21.15	21.09	21.12	23.3	1		
20	QPSK	100	0	21.09	21.08	21.04				
20	QPSK	50	25	21.10	21.10	21.08	23.3	1		
Channel										
Frequency (MHz)				1717.5	17325.5	17475.5	Turn-on time (ms)	MRR (dB)		
15	QPSK	1	0	23.58	23.66	23.58				
15	QPSK	1	37	23.63	23.63	23.53	24.3	0		
15	QPSK	1	74	23.63	23.63	23.31				
15	QPSK	36	0	23.12	23.12	23.00				
15	QPSK	36	20	22.97	22.99	23.02	23.8	0.5		
15	QPSK	36	39	23.01	23.02	22.98				
15	QPSK	36	58	23.08	23.08	23.02	23.8	0.5		
15	QPSK	1	0	23.25	23.32	23.34				
15	QPSK	1	37	23.26	23.32	23.37	23.8	0.5		
15	QPSK	1	74	23.18	23.18	23.14				
15	QPSK	36	0	21.99	21.98	21.11				
15	QPSK	36	20	21.99	22.00	22.07	23.3	1		
15	QPSK	36	39	22.00	22.00	21.91				
15	QPSK	36	58	22.00	21.99	21.99				
15	QPSK	1	0	22.24	22.12	22.14				
15	QPSK	1	37	22.17	22.14	22.20	23.3	1		
15	QPSK	1	74	22.02	22.02	22.02				
15	QPSK	36	0	21.07	21.03	21.05				
15	QPSK	36	20	21.12	20.99	20.99	22.3	2		
15	QPSK	36	39	21.07	21.07	21.07				
15	QPSK	36	58	21.01	20.95	21.01				
Channel										
Frequency (MHz)				1715	17325	17505	Turn-on time (ms)	MRR (dB)		
15	QPSK	1	0	23.87	23.88	23.80				
10	QPSK	1	24	23.65	23.64	23.64	24.3	0		
10	QPSK	1	49	23.67	23.67	23.33				
10	QPSK	25	0	23.03	23.06	23.00				
10	QPSK	25	13	23.02	23.13	23.05	23.8	0.5		
10	QPSK	25	25	23.03	22.95	22.91				
10	QPSK	50	0	23.05	22.97	22.94				
10	QPSK	50	25	23.25	23.20	23.33	23.8	0.5		
10	QPSK	100	0	23.35	23.40	23.33				
10	QPSK	1	49	23.17	23.14	23.15				
10	QPSK	25	0	21.97	22.03	22.00				
10	QPSK	25	13	21.97	22.03	22.00	23.3	1		
10	QPSK	25	25	21.98	22.00	21.98				
10	QPSK	50	0	21.21	21.21	21.21	23.3	1		
10	QPSK	50	25	21.04	20.96	21.06				
10	QPSK	100	0	21.00	21.00	21.00	22.3	2		
10	QPSK	25	25	21.02	21.02	21.03				
10	QPSK	50	0	21.08	20.96	20.95				
Channel										
Frequency (MHz)				1712.5	17325.5	17525.5	Turn-on time (ms)	MRR (dB)		
5	QPSK	1	0	23.58	23.67	23.58				
5	QPSK	1	12	23.60	23.56	23.50	24.3	0		
5	QPSK	1	24	23.44	23.36	23.30				
5	QPSK	12	0	23.02	23.05	23.02	23.8	0.5		
5	QPSK	12	13	23.02	23.06	23.07				
5	QPSK	12	25	23.03	22.94	23.05	23.8	0.5		
5	QPSK	1	0	23.25	23.34	23.37				
5	QPSK	1	12	23.24	23.38	23.35				
5	QPSK	1	24	23.10	23.21	23.18	23.8	0.5		
5	QPSK	12	0	22.03	22.08	22.07				
5	QPSK	12	7	21.99	22.00	22.07	23.3	1		
5	QPSK	12	13	21.94	22.03	21.99				
5	QPSK	12	25	21.96	22.00	21.93				
5	QPSK	1	0	22.22	22.08	22.16				
5	QPSK	1	12	22.22	22.20	22.16	23.3	1		
5	QPSK	1	24	22.03	22.05	22.01				
5	QPSK	12	0	21.12	21.08	21.13				
5	QPSK	12	7	21.05	21.09	21.09	22.3	2		
5	QPSK	12	13	21.03	21.00	21.00				
5	QPSK	12	25	20.99	21.00	21.00				
Channel										
Frequency (MHz)				1699.5	17075	17088.5	Turn-on time (ms)	MRR (dB)		
3	QPSK	1	0	23.13	23.25	23.63				
3	QPSK	1	5	23.19	23.17	23.15	24.3	0		
3	QPSK	1	14	23.39	23.45	23.31				
3	QPSK	8	0	23.12	23.14	22.98				
3	QPSK	8	7	23.06	23.08	22.95	23.8	0.5		
3	QPSK	8	7	22.94	23.02	22.95				
3	QPSK	15	0	23.01	23.03	23.08				
3	QPSK	15	0	23.32	23.24	23.42	23.8	0.5		
3	QPSK	15	0	23.28	23.36	23.31				
3	QPSK	1	14	23.18	23.13	23.30				
3	QPSK	8	0	22.04	22.10	22.05				
3	QPSK	8	7	22.02	22.05	22.00	23.3	1		
3	QPSK	8	7	21.94	22.03	21.91				
3	QPSK	15	0	22.00	22.00	21.98				
3	QPSK	15	0	22.19	22.12	22.14	23.3	1		
3	QPSK	1	8	22.25	22.15	22.19				
3	QPSK	1	14	22.02	22.10	22.05				
3	QPSK	8	0	21.02	21.04	21.07				
3	QPSK	8	7	21.10	21.05	21.09	23.3	2		
3	QPSK	8	7	21.08	21.04	21.00				
3	QPSK	15	0	21.08	21.00	20.90				
Channel										
Frequency (MHz)				17015	17325.5	17543.5	Turn-on time (ms)	MRR (dB)		
1.4	QPSK	1	0	23.54	23.50	23.45				
1.4	QPSK	1	5	23.53	23.50	23.42	24.3	0		
1.4	QPSK	1	9	23.47	23.57	23.42				
1.4	QPSK	1	17	23.52	23.55	23.42				
1.4	QPSK	3	0	23.50	23.51	23.41				
1.4	QPSK	3	0	23.52	23.52	23.42				
1.4	QPSK	3	0	23.43	23.45	23.41	23.8	0.5		
1.4	QPSK	1	0	23.24	23.29	23.19				
1.4	QPSK	1	3	23.20	23.27	23.18				
1.4	QPSK	1	6.1	23.21	23.27	23.22	23.8	0.5		
1.4	QPSK	3	0	23.00	23.01	22.91				
1.4	QPSK	1	0	23.01	23.01	22.94				
1.4	QPSK	3	0	22.01	22.09	22.02	23.3	1		
1.4	QPSK	1	0	22.07	22.07	22.07				
1.4	QPSK	1	0	22.20	22.22	22.14				
1.4	QPSK	3	0	22.15	22.18	22.07				
1.4	QPSK	3	0	22.16	22.19	22.10	23.3	1		
1.4	QPSK	3	0	22.23	22.22	22.04				
1.4	QPSK	3	1	22.11	22.13	22.01				
1.4	QPSK	3	1	22.11	22.10	22.02	22.3	2		

Band 4_Ant 3										
BW [MHz]	Modulation	RB Size	RB Cent	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-on time (ms)	MPR (dB)		
Channel										
Frequency (MHz)				1712.0	1732.5	1743.5				
20	QPSK	1	0	15.76	15.79	15.89		16.4		0
20	QPSK	1	49	15.85	15.79	15.89				
20	QPSK	1	99	15.81	15.80	15.87				
20	QPSK	50	0	15.71	15.82	15.72				
20	QPSK	50	49	15.73	15.78	15.69		16.4		0
20	QPSK	50	50	15.71	15.84	15.79				
20	QPSK	100	0	15.77	15.84	15.81				
20	QPSK	100	49	15.79	15.84	15.83		16.4		0
20	16QAM	1	49	15.83	15.85	15.92		16.4		0
20	16QAM	1	99	15.92	15.77	15.84				
20	16QAM	50	0	15.75	15.81	15.74				
20	16QAM	50	49	15.88	15.84	15.74		16.4		0
20	16QAM	50	50	15.76	15.81	15.83				
20	16QAM	100	0	15.79	15.75	15.88				
20	16QAM	100	49	15.74	15.88	15.77		16.4		0
20	16QAM	1	49	15.80	15.90	15.77				
20	16QAM	1	99	15.81	15.87	15.87				
20	16QAM	50	0	15.80	15.88	15.83				
20	16QAM	50	49	15.79	15.78	15.97		16.4		0
20	16QAM	50	50	15.80	15.85	15.90				
20	16QAM	100	0	15.76	15.75	15.80				
Channel										
Frequency (MHz)				1717.3	1732.5	1747.5	Turn-on time (ms)	MPR (dB)		
15	QPSK	1	0	15.73	15.84	15.79				
15	QPSK	1	37	15.79	15.72	15.81		16.4		0
15	QPSK	1	75	15.63	15.87	15.76				
15	QPSK	36	0	15.66	15.76	15.82				
15	QPSK	36	36	15.72	15.73	15.69		16.4		0
15	QPSK	36	75	15.75	15.78	15.68				
15	16QAM	1	0	15.64	15.77	15.82				
15	16QAM	1	37	15.76	15.73	15.89		16.4		0
15	16QAM	1	75	15.65	15.84	15.69				
15	16QAM	36	0	15.69	15.79	15.61				
15	16QAM	36	36	15.81	15.64	15.73		16.4		0
15	16QAM	36	75	15.81	15.69	15.73				
15	16QAM	75	0	15.66	15.69	15.80				
15	16QAM	1	0	15.67	15.81	15.73		16.4		0
15	16QAM	1	37	15.73	15.84	15.74				
15	16QAM	1	75	15.73	15.75	15.86		16.4		0
15	16QAM	36	0	15.71	15.64	15.76				
15	16QAM	36	36	15.74	15.78	15.75		16.4		0
15	16QAM	36	75	15.77	15.81	15.65				
15	16QAM	75	0	15.65	15.61	15.68				
Channel										
Frequency (MHz)				20015	20175	20350	Turn-on time (ms)	MPR (dB)		
15	QPSK	1	0	15.75	15.81	15.81				
15	QPSK	1	37	15.75	15.78	15.76		16.4		0
15	QPSK	1	49	15.73	15.75	15.68				
15	QPSK	25	0	15.62	15.82	15.75				
15	QPSK	25	49	15.69	15.68	15.73		16.4		0
15	QPSK	25	25	15.56	15.83	15.77				
15	16QAM	1	0	15.66	15.70	15.80				
15	16QAM	1	37	15.75	15.79	15.69		16.4		0
15	16QAM	1	75	15.72	15.85	15.63				
15	16QAM	1	49	15.68	15.73	15.70				
15	16QAM	25	0	15.64	15.73	15.69		16.4		0
15	16QAM	25	49	15.65	15.68	15.73				
15	16QAM	25	25	15.75	15.68	15.81		16.4		0
15	16QAM	50	0	15.71	15.63	15.82				
15	16QAM	50	49	15.72	15.74	15.74		16.4		0
15	16QAM	1	25	15.67	15.74	15.72		16.4		0
15	16QAM	1	49	15.68	15.63	15.78				
15	16QAM	25	0	15.72	15.86	15.71				
15	16QAM	25	49	15.73	15.75	15.84		16.4		0
15	16QAM	25	25	15.70	15.77	15.75				
15	16QAM	50	0	15.60	15.62	15.69				
Channel										
Frequency (MHz)				2111.7	2123.5	2125.2	Turn-on time (ms)	MPR (dB)		
5	QPSK	1	0	15.81	15.58	15.97				
5	QPSK	1	12	15.74	15.64	15.85		16.4		0
5	QPSK	1	24	15.70	15.65	15.59				
5	QPSK	12	0	15.73	15.73	15.73				
5	QPSK	12	7	15.62	15.62	15.62				
5	QPSK	12	13	15.58	15.78	15.76				
5	QPSK	25	0	15.69	15.65	15.70				
5	16QAM	1	0	15.71	15.77	15.78				
5	16QAM	1	12	15.79	15.76	15.84		16.4		0
5	16QAM	1	24	15.68	15.68	15.66				
5	16QAM	12	0	15.74	15.69	15.72				
5	16QAM	12	7	15.85	15.73	15.70		16.4		0
5	16QAM	12	13	15.61	15.70	15.71				
5	16QAM	25	0	15.76	15.78	15.74				
5	16QAM	1	0	15.76	15.77	15.66		16.4		0
5	16QAM	1	12	15.79	15.78	15.84				
5	16QAM	1	24	15.77	15.74	15.84		16.4		0
5	16QAM	12	0	15.67	15.62	15.79				
5	16QAM	12	7	15.87	15.71	15.67		16.4		0
5	16QAM	12	13	15.71	15.78	15.85				
5	16QAM	25	0	15.74	15.66	15.71				
Channel										
Frequency (MHz)				19905 <th>20175<th>20385</th><th>Turn-on time (ms)</th><th>MPR (dB)</th><th colspan="2"></th></th>	20175 <th>20385</th> <th>Turn-on time (ms)</th> <th>MPR (dB)</th> <th colspan="2"></th>	20385	Turn-on time (ms)	MPR (dB)		
3	QPSK	1	0	17.17	1732.5	1753.3				
3	QPSK	1	7	15.77	15.69	15.83		16.4		0
3	QPSK	1	14	15.78	15.76	15.66				
3	QPSK	8	0	15.62	15.73	15.81				
3	QPSK	8	7	15.68	15.72	15.68		16.4		0
3	QPSK	8	7	15.67	15.79	15.73				
3	QPSK	15	0	15.64	15.70	15.70				
3	16QAM	1	0	15.77	15.84	15.71				
3	16QAM	1	7	15.71	15.72	15.62		16.4		0
3	16QAM	1	14	15.90	15.84	15.78				
3	16QAM	8	0	15.60	15.80	15.61				
3	16QAM	8	7	15.76	15.67	15.76		16.4		0
3	16QAM	15	0	15.77	15.63	15.76				
3	16QAM	1	0	15.68	15.73	15.73		16.4		0
3	16QAM	1	7	15.70	15.72	15.72				
3	16QAM	1	14	15.74	15.79	15.72				
3	16QAM	8	0	15.68	15.67	15.76				
3	16QAM	8	7	15.76	15.74	15.82		16.4		0
3	16QAM	15	0	15.63	15.62	15.71				
Channel										
Frequency (MHz)				2111.7	2117.5	2121.0	Turn-on time (ms)	MPR (dB)		
1.4	QPSK	1	0	17.19	1732.5	1754.3				
1.4	QPSK	1	0	15.79	15.83	15.82				
1.4	QPSK	1	0	15.83	15.73	15.78				
1.4	QPSK	1	0	15.89	15.70	15.62		16.4		0
1.4	QPSK	1	0	15.81	15.80	15.81				
1.4	QPSK	3	0	15.70	15.82	15.67				
1.4	QPSK	3	0	15.59	15.69	15.69				
1.4	QPSK	3	0	15.66	15.73	15.81		16.4		0
1.4	16QAM	1	0	15.64	15.73	15.75				
1.4	16QAM	1	3	15.71	15.84	15.83				
1.4	16QAM	1	3	15.84	15.73	15.78		16.4		0
1.4	16QAM	3	0	15.74	15.69	15.64				
1.4	16QAM	3	0	15.79	15.66	15.68				
1.4	16QAM	3	3	15.67	15.66	15.77				
1.4	16QAM	3	3	15.78	15.78	15.64		16.4		0
1.4	16QAM	1	0	15.76	15.75	15.69				
1.4	16QAM	1	3	15.71	15.83	15.85				
1.4	16QAM	1	3	15.78	15.84	15.86		16.4		0
1.4	16QAM	3	0	15.70	15.77	15.78				
1.4	16QAM	3	1	15.75	15.83	15.85				
1.4	16QAM	3	3	15.70	15.79	15.81		16.4		0
1.4	16QAM	3	3	15.72	15.80	15.82				

Band 5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20450	20525	20600		
				820	836.5	844		
10	QPSK	1	0	23.80	23.85	23.82		
10	QPSK	1	25	23.76	23.73	23.87	24.8	0
10	QPSK	1	49	23.74	23.75	23.74		
10	QPSK	25	0	22.35	22.35	22.35		
10	QPSK	25	12	22.25	22.26	22.20	23.8	1
10	QPSK	25	25	22.28	22.27	22.19		
10	QPSK	50	0	22.25	22.25	22.21		
10	16QAM	1	0	22.60	22.60	22.61		
10	16QAM	1	25	22.63	22.56	22.43	23.8	1
10	16QAM	1	49	22.54	22.54	22.52		
10	16QAM	25	0	20.35	20.35	20.34		
10	16QAM	25	12	21.34	21.25	21.25	22.8	2
10	16QAM	25	25	21.29	21.26	21.17		
10	16QAM	50	0	21.35	21.29	21.21		
10	16QAM	50	12	21.48	21.44	21.45		
10	16QAM	50	25	21.52	21.39	21.32	22.8	2
10	16QAM	1	49	21.44	21.42	21.42		
10	16QAM	25	0	20.35	20.35	20.34		
10	16QAM	25	12	20.34	20.25	20.19	21.8	3
10	16QAM	25	25	20.29	20.27	20.19		
10	16QAM	50	0	20.34	20.23	20.20		
Channel								
Frequency (MHz)				20415	20525	20635		
				826.5	836.5	846.5		
5	QPSK	1	0	23.67	23.73	23.72		
5	QPSK	1	12	23.61	23.61	23.66	24.8	0
5	QPSK	1	24	23.61	23.61	23.60		
5	QPSK	12	0	22.18	22.30	22.23		
5	QPSK	12	7	22.13	22.14	22.11	23.8	1
5	QPSK	12	19	22.17	22.22	22.13		
5	QPSK	25	0	22.20	22.25	22.20		
5	16QAM	1	0	22.57	22.48	22.53		
5	16QAM	1	12	22.60	22.51	22.29	23.8	1
5	16QAM	1	24	22.44	22.38	22.38		
5	16QAM	12	0	21.28	21.21	21.11		
5	16QAM	12	7	21.27	21.13	21.19	22.8	2
5	16QAM	12	19	21.17	21.20	21.09		
5	16QAM	25	0	21.29	21.17	21.17		
5	16QAM	25	0	21.39	21.36	21.36		
5	16QAM	1	12	21.46	21.32	21.25	22.8	2
5	16QAM	1	24	21.41	21.29	21.29		
5	16QAM	12	0	20.24	20.22	20.17		
5	16QAM	12	7	20.32	20.23	20.94	21.8	3
5	16QAM	12	19	20.26	20.27	20.07		
5	16QAM	25	0	20.25	20.10	20.11		
Channel								
Frequency (MHz)				20415	20525	20635		
				826.5	836.5	847.5		
3	QPSK	1	0	23.75	23.73	23.69		
3	QPSK	1	8	23.72	23.68	23.56	24.8	0
3	QPSK	1	14	23.71	23.72	23.59		
3	QPSK	8	0	22.23	22.21	22.16		
3	QPSK	8	4	22.16	22.17	22.16	23.8	1
3	QPSK	8	7	22.25	22.20	22.05		
3	QPSK	15	0	22.20	22.21	22.16		
3	16QAM	1	0	22.59	22.50	22.53		
3	16QAM	1	8	22.61	22.43	22.28	23.8	1
3	16QAM	1	14	22.50	22.48	22.38		
3	16QAM	8	0	21.29	21.19	21.14		
3	16QAM	8	4	21.29	21.17	21.16	22.8	2
3	16QAM	8	7	21.15	21.23	21.04		
3	16QAM	15	0	21.20	21.14	21.08		
3	16QAM	1	0	21.36	21.30	21.35	22.8	2
3	16QAM	1	8	21.48	21.37	21.31		
3	16QAM	1	14	21.29	21.33	21.34		
3	16QAM	8	0	20.34	20.20	20.22		
3	16QAM	8	4	20.29	20.10	20.14	21.8	3
3	16QAM	8	7	20.24	20.21	20.07		
3	16QAM	15	0	20.32	20.16	20.09		
Channel								
Frequency (MHz)				20407	20525	20643		
				824.7	836.5	848.3		
1.4	QPSK	1	0	23.81	23.75	23.66		
1.4	QPSK	1	3	23.76	23.74	23.67	24.8	0
1.4	QPSK	1	5	23.75	23.74	23.70		
1.4	QPSK	3	0	23.77	23.72	23.68		
1.4	QPSK	3	1	23.80	23.75	23.70		
1.4	QPSK	3	3	23.79	23.72	23.72		
1.4	QPSK	6	0	22.28	22.21	22.17	23.8	1
1.4	QPSK	1	0	22.55	22.51	22.49		
1.4	16QAM	1	3	22.50	22.51	22.42		
1.4	16QAM	1	5	22.50	22.51	22.41	23.8	1
1.4	16QAM	3	0	22.27	22.20	22.13		
1.4	16QAM	3	1	22.26	22.23	22.19		
1.4	16QAM	3	3	22.27	22.18	22.17		
1.4	16QAM	6	0	21.34	21.28	21.27	22.8	2
1.4	16QAM	1	0	21.48	21.46	21.30		
1.4	16QAM	1	3	21.40	21.40	21.34		
1.4	16QAM	1	5	21.45	21.42	21.34	22.8	2
1.4	16QAM	3	0	21.40	21.32	21.28		
1.4	16QAM	3	1	21.38	21.29	21.29		
1.4	16QAM	3	3	21.38	21.33	21.29		
1.4	16QAM	6	0	20.24	20.19	20.18	21.8	3

Band 5_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Mid Ch./Freq	Power High Ch./Freq	Tune-up Int. (dBm)	MPR (dB)
Channel								
Frequency (MHz)				20450	20525	20600		
				829	836.5	844		
10	QPSK	1	0	20.76	20.85	20.80		
10	QPSK	1	25	20.68	20.78	20.79	21.6	0
10	QPSK	1	49	20.76	20.83	20.89		
10	QPSK	25	0	20.75	20.77	20.71		
10	QPSK	25	12	20.72	20.70	20.68	21.6	0
10	QPSK	25	25	20.72	20.71	20.72		
10	QPSK	50	0	20.68	20.75	20.74		
10	16QAM	1	0	20.63	20.76	20.69		
10	16QAM	1	25	20.69	20.77	20.65	21.6	0
10	16QAM	1	49	20.66	20.72	20.68		
10	16QAM	25	0	20.31	20.18	20.20		
10	16QAM	25	12	20.72	20.84	20.88	21.6	0
10	16QAM	25	25	20.74	20.84	20.65		
10	16QAM	50	0	20.75	20.83	20.76		
10	16QAM	1	0	20.75	20.78	20.77	21.6	0
10	16QAM	1	49	20.68	20.73	20.72		
10	16QAM	25	0	20.31	20.18	20.20		
10	16QAM	25	12	20.30	20.22	20.16	21.6	0
10	16QAM	25	25	20.23	20.26	20.18		
10	16QAM	50	0	20.44	20.33	20.30		
Channel								
Frequency (MHz)				20425	20525	20625		
				836.5	836.5	846.5		
5	QPSK	1	0	20.66	20.70	20.67		
5	QPSK	1	12	20.58	20.72	20.69	21.6	0
5	QPSK	1	24	20.70	20.71	20.60		
5	QPSK	12	0	20.72	20.76	20.63		
5	QPSK	12	7	20.65	20.59	20.63	21.6	0
5	QPSK	12	19	20.68	20.60	20.69		
5	QPSK	25	0	20.62	20.68	20.65		
5	16QAM	1	0	20.53	20.66	20.55		
5	16QAM	1	12	20.60	20.75	20.60	21.6	0
5	16QAM	1	24	20.63	20.59	20.65		
5	16QAM	12	0	20.64	20.74	20.67		
5	16QAM	12	7	20.67	20.73	20.56	21.6	0
5	16QAM	12	19	20.63	20.83	20.50		
5	16QAM	25	0	20.61	20.73	20.58		
5	16QAM	25	0	20.73	20.76	20.67		
5	16QAM	1	12	20.63	20.64	20.74	21.6	0
5	16QAM	1	24	20.61	20.64	20.74		
5	16QAM	12	0	20.20	20.12	20.06		
5	16QAM	12	7	20.25	20.14	20.06	21.6	0
5	16QAM	12	19	20.16	20.25	20.09		
5	16QAM	25	0	20.24	20.08	20.08		
Channel								
Frequency (MHz)				20415	20525	20630		
				826.5	836.5	847.5		
3	QPSK	1	0	20.67	20.81	20.67		
3	QPSK	1	8	20.59	20.71	20.75	21.6	0
3	QPSK	1	14	20.63	20.80	20.53		
3	QPSK	8	0	20.73	20.72	20.72		
3	QPSK	8	4	20.64	20.68	20.58	21.6	0
3	QPSK	8	7	20.57	20.60	20.59		
3	QPSK	15	0	20.66	20.86	20.69		
3	16QAM	1	0	20.55	20.73	20.58		
3	16QAM	1	8	20.61	20.69	20.62	21.6	0
3	16QAM	1	14	20.63	20.59	20.59		
3	16QAM	8	0	20.55	20.79	20.55		
3	16QAM	8	4	20.71	20.69	20.53	21.6	0
3	16QAM	8	7	20.63	20.69	20.62		
3	16QAM	15	0	20.62	20.83	20.64		
3	16QAM	1	0	20.65	20.78	20.75	21.6	0
3	16QAM	1	8	20.73	20.72	20.69		
3	16QAM	1	14	20.62	20.70	20.62		

Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Rsp Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
				26165	26665	26665			
Frequency (MHz)				831.5	831.5	841.5			
15	QPSK	1	0	23.87	23.88	23.83			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.87	22.87	22.80			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	15	0	22.78	22.80	22.77			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	48	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	36	0	20.85	20.83	20.78			
15	84QAM	1	0	21.99	21.94	22.00			
15	84QAM	1	37	22.03	21.98	21.90	22.8	2	
15	84QAM	1	74	21.95	21.89	21.80			
15	84QAM	36	0	20.85	20.83	20.78			
15	84QAM	36	20	20.87	20.85	20.78	21.8	3	
15	84QAM	36	39	20.83	20.83	20.75			
15	84QAM	75	0	20.83	20.80	20.76			
Channel									
Frequency (MHz)				819	831.5	844	Turn-up limt (dBm)	MPR (dB)	
10	QPSK	1	0	23.74	23.74	23.70			
10	QPSK	1	25	23.74	23.72	23.68	24.8	0	
10	QPSK	1	48	23.73	23.69	23.65			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.65			
10	QPSK	50	0	22.66	22.71	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	48	22.93	22.87	22.81			
10	16QAM	25	0	21.74	21.80	21.85			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.68	21.73	21.67			
10	16QAM	50	0	21.73	21.77	21.68			
10	84QAM	1	0	21.84	21.87	21.84			
10	84QAM	1	25	21.88	21.83	21.84	22.8	2	
10	84QAM	1	48	21.82	21.81	21.81			
10	84QAM	25	0	20.70	20.73	20.67			
10	84QAM	25	12	20.78	20.82	20.83	21.8	3	
10	84QAM	25	25	20.69	20.77	20.68			
10	84QAM	50	0	20.81	20.80	20.85			
Channel									
Frequency (MHz)				26715	26665	27015	Turn-up limt (dBm)	MPR (dB)	
				816.5	831.5	846.5			
5	QPSK	1	0	20.84	20.80	20.78			
5	QPSK	1	12	20.86	20.76	20.80	21.8	0	
5	QPSK	1	24	20.68	20.62	20.71			
5	QPSK	12	0	20.76	20.81	20.75			
5	QPSK	12	7	20.73	20.83	20.70	21.8	0	
5	QPSK	12	14	20.72	20.71	20.78			
5	QPSK	25	0	20.75	20.70	20.72			
5	16QAM	1	0	20.76	20.80	20.68			
5	16QAM	1	12	20.78	20.84	20.72	21.8	0	
5	16QAM	1	24	20.71	20.77	20.69			
5	16QAM	12	0	20.71	20.67	20.64			
5	16QAM	12	7	20.63	20.66	20.69	21.8	0	
5	16QAM	12	14	20.62	20.61	20.64			
5	16QAM	25	0	20.80	20.82	20.70			
5	84QAM	1	0	20.77	20.69	20.64			
5	84QAM	1	12	20.78	20.84	20.72	22.8	2	
5	84QAM	1	24	20.73	20.66	20.61			
5	84QAM	12	0	20.74	20.78	20.78			
5	84QAM	12	7	20.63	20.73	20.64	21.8	3	
5	84QAM	12	14	20.73	20.77	20.68			
5	84QAM	25	0	20.61	20.71	20.65			
Channel									
Frequency (MHz)				26705	26665	27025	Turn-up limt (dBm)	MPR (dB)	
				815.5	831.5	847.5			
3	QPSK	1	0	20.76	20.88	20.72			
3	QPSK	1	14	20.61	20.81	20.68	21.8	0	
3	QPSK	1	14	20.69	20.83	20.70			
3	QPSK	8	0	20.79	20.80	20.71			
3	QPSK	8	4	20.77	20.81	20.64			
3	QPSK	8	7	20.83	20.70	20.68	21.8	0	
3	QPSK	15	0	20.76	20.81	20.70			
3	16QAM	1	0	20.69	20.74	20.63			
3	16QAM	1	15	20.69	20.81	20.65	21.8	0	
3	16QAM	1	14	20.68	20.74	20.65			
3	16QAM	8	0	20.71	20.74	20.65			
3	16QAM	8	4	20.68	20.68	20.72			
3	16QAM	8	7	20.65	20.64	20.68	21.8	0	
3	16QAM	15	0	20.75	20.84	20.74			
3	84QAM	1	0	20.80	20.81	20.61			
3	84QAM	1	15	20.63	20.72	20.79	21.8	0	
3	84QAM	1	14	20.77	20.79	20.71			
3	84QAM	8	0	20.83	20.74	20.74			
3	84QAM	8	4	20.84	20.80	20.68			
3	84QAM	8	7	20.81	20.85	20.74	21.8	0	
3	84QAM	15	0	20.59	20.82	20.75			
Channel									
Frequency (MHz)				26697	26665	27033	Turn-up limt (dBm)	MPR (dB)	
				814.7	831.5	848.3			
1.4	QPSK	1	0	23.86	23.80	23.65			
1.4	QPSK	1	3	23.82	23.75	23.65			
1.4	QPSK	1	5	23.86	23.80	23.71	24.8	0	
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	3	23.84	23.77	23.70			
1.4	QPSK	6	0	22.83	22.72	22.68	23.8	1	
1.4	16QAM	1	0	23.06	23.06	22.93			
1.4	16QAM	1	3	23.06	23.06	22.94			
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1	
1.4	16QAM	3	0	22.80	22.76	22.69			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	3	22.84	22.74	22.70			
1.4	16QAM	6	0	21.89	21.85	21.78	22.8	2	
1.4	84QAM	1	0	21.97	21.96	21.85			
1.4	84QAM	1	3	21.96	21.91	21.85			
1.4	84QAM	1	5	22.01	21.99	21.81	22.8	2	
1.4	84QAM	3	0	21.86	21.86	21.79			
1.4	84QAM	3	1	21.93	21.87	21.79			
1.4	84QAM	3	3	21.92	21.86	21.79			
1.4	84QAM	6	0	20.79	20.74	20.67	21.8	3	

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Rsp Ch / Freq	Turn-up limt (dBm)	MPR (dB)	
Channel									
				26165	26665	26665			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	20.88	20.92	20.88			
15	QPSK	1	37	20.73	20.84	20.81	21.6	0	
15	QPSK	1	74	20.78	20.77	20.82			
15	QPSK	36	0	20.86	20.86	20.80			
15	QPSK	36	20	20.78	20.86	20.72	21.6	0	
15	QPSK	36	39	20.85	20.84	20.81			
15	QPSK	75	0	20.80	20.92	20.79			
15	16QAM	1	0	20.81	20.87	20.77			
15	16QAM	1	37	20.76	20.82	20.77	21.6	0	
15	16QAM	1	74	20.77	20.87	20.81			
15	16QAM	36	0	20.74	20.79	20.77			
15	16QAM	36	20	20.74	20.80	20.83	21.6	0	
15	16QAM	36	39	20.73	20.77	20.73			
15	16QAM	75	0	20.80	20.86	20.81			
15	84QAM	1	0	20.84	20.84	20.74			
15	84QAM	1	37	20.74	20.83	20.84	21.6	0	
15	84QAM	1	74	20.81	20.91	20.75			
15	84QAM	36	0	20.80	20.86	20.78			
15	84QAM	36	20	20.87	20.83	20.78	21.6	0	
15	84QAM	36	39	20.82	20.91	20.80			
15	84QAM	75	0	20.74	20.83	20.77			
Channel									
Frequency (MHz)				26743	26665	26999	Turn-up limt (dBm)	MPR (dB)	
				819	831.5	844			
10	QPSK	1	0	20.77	20.78	20.71			
10	QPSK	1	25	20.65	20.77	20.80	21.6	0	
10	QPSK	1	48	20.63	20.61	20.68			
10	QPSK	25	0	20.84	20.76	20.83			

Reduced Power Mode for ECI8

Band 2_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [dBm]	Power High Ch. [dBm]	Power High [dBm]	Turn-up time (dBm)	MPEr (dB)		
Channel										
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	-20.43	-20.40	-20.34				
20	QPSK	1	49	-20.28	-20.44	-20.34	20.7	0		
20	QPSK	50	24	-20.32	-20.40	-20.34				
20	QPSK	50	24	-20.32	-20.40	-20.34				
20	QPSK	50	24	-20.32	-20.40	-20.34				
20	QPSK	50	24	-20.31	-20.46	-20.32				
20	QPSK	50	24	-20.31	-20.46	-20.32				
20	HQAM	1	0	-20.32	-20.37	-20.32				
20	HQAM	1	49	-20.41	-20.42	-20.35	20.7	0		
20	HQAM	50	24	-20.37	-20.42	-20.35				
20	HQAM	50	24	-20.30	-20.44	-20.31				
20	HQAM	50	24	-20.28	-20.43	-20.44				
20	HQAM	50	24	-20.34	-20.48	-20.44				
20	HQAM	50	24	-20.34	-20.48	-20.37				
20	HQAM	1	0	-20.40	-20.43	-20.42				
20	HQAM	1	49	-20.31	-20.48	-20.42	20.7			
20	HQAM	50	24	-20.43	-20.43	-20.38				
20	HQAM	50	24	-20.39	-20.42	-20.37				
20	HQAM	50	24	-20.35	-20.36	-20.39	20.7			
20	HQAM	50	24	-20.35	-20.36	-20.39				
20	HQAM	50	24	-20.35	-20.36	-20.39				
Channel										
Frequency (MHz)				1867.5	1880	1900	Turn-up time (dBm)	MPEr (dB)		
15	QPSK	1	0	-20.29	-20.38	-20.34				
15	QPSK	1	49	-20.29	-20.38	-20.34	20.7	0		
15	QPSK	1	74	-20.31	-20.38	-20.21				
15	QPSK	36	0	-20.36	-20.34	-20.31				
15	QPSK	36	26	-20.36	-20.34	-20.31				
15	QPSK	36	26	-20.36	-20.34	-20.31	20.7	0		
15	QPSK	76	0	-20.22	-20.38	-20.21				
15	HQAM	1	0	-20.18	-20.22	-20.26				
15	HQAM	1	49	-20.29	-20.29	-20.26				
15	HQAM	1	74	-20.24	-20.40	-20.38				
15	HQAM	36	0	-20.19	-20.38	-20.19				
15	HQAM	36	26	-20.19	-20.38	-20.19				
15	HQAM	36	26	-20.19	-20.38	-20.19	20.7	0		
15	HQAM	36	39	-20.21	-20.42	-20.39				
15	HQAM	76	0	-20.16	-20.46	-20.28				
15	HQAM	1	0	-20.38	-20.41	-20.39				
15	HQAM	1	49	-20.37	-20.37	-20.37	20.7	0		
15	HQAM	1	74	-20.25	-20.32	-20.31				
15	HQAM	36	0	-20.31	-20.27	-20.29				
15	HQAM	36	26	-20.33	-20.27	-20.28				
15	HQAM	36	39	-20.27	-20.38	-20.37	20.7	0		
15	HQAM	76	0	-20.28	-20.33	-20.43				
Channel										
Frequency (MHz)				18650	18800	19180	Turn-up time (dBm)	MPEr (dB)		
10	QPSK	1	0	-20.32	-20.43	-20.43				
10	QPSK	1	26	-20.31	-20.34	-20.19	20.7	0		
10	QPSK	1	49	-20.30	-20.44	-20.27				
10	QPSK	1	74	-20.30	-20.44	-20.27				

Band 4_Ant 4										
BW (MHz)	Modulation	RB Size	PRB Offset	Power Low Ch. (dBm)	Power Med. Ch. (dBm)	Power High Ch. (dBm)	Turn-up time (s)	MPR (dB)		
Channel										
Frequency (MHz)				1702	1732.5	1745				
20	QPSK	1	0	23.68	23.68	23.68				
20	QPSK	1	49	23.66	23.67	23.61	24.3	0		
20	QPSK	50	0	23.68	23.68	23.68				
20	QPSK	50	5	23.73	23.75	23.75				
20	QPSK	50	24	23.10	23.10	23.11	23.8	0.5		
20	QPSK	50	50	23.08	23.10	23.05				
20	QPSK	50	99	23.08	23.10	23.09				
20	16QAM	1	0	23.36	23.33	23.43				
20	16QAM	1	49	23.42	23.42	23.39	23.8	0.5		
20	16QAM	50	0	22.98	22.98	22.98				
20	16QAM	50	5	22.11	22.11	22.12				
20	16QAM	50	24	22.12	22.11	22.09	23.3	1		
20	16QAM	50	50	22.08	22.08	22.04				
20	16QAM	50	99	22.08	22.08	22.07				
20	64QAM	1	0	22.27	22.18	22.29				
20	64QAM	1	49	22.32	22.28	22.25	23.3	2.3		
20	64QAM	50	0	22.17	22.17	22.17				
20	64QAM	50	5	21.13	21.10	21.14				
20	64QAM	50	24	21.15	21.12	21.09	22.3			
20	64QAM	50	50	21.09	21.08	21.04				
20	64QAM	50	99	21.10	21.08	21.08				
Channel										
Frequency (MHz)				1717.6	1732.5	1747.6				
15	QPSK	1	0	23.58	23.58	23.58	24.3	0		
15	QPSK	1	49	23.58	23.58	23.58				
15	QPSK	50	0	23.61	23.61	23.61	23.8	0.5		
15	QPSK	50	49	23.08	22.98	23.05				
15	16QAM	1	0	23.25	23.32	23.34				
15	16QAM	1	49	23.32	23.32	23.29	23.8	0.5		
15	16QAM	50	0	22.97	22.97	22.97				
15	16QAM	50	24	22.14	22.14	22.08	23.3	1		
15	16QAM	50	50	22.08	22.08	22.01				
15	16QAM	50	99	22.08	22.08	22.01				
15	64QAM	1	0	22.24	22.12	22.14				
15	64QAM	1	49	22.27	22.14	22.05	23.3	2		
15	64QAM	50	0	21.07	21.03	21.05				
15	64QAM	50	24	21.09	20.98	21.00	22.3			
15	64QAM	50	50	21.01	20.95	20.97				
Channel										
Frequency (MHz)				1720.0	1737.5	1753.0				
10	QPSK	1	0	23.67	23.55	23.49	24.3	0		
10	QPSK	1	25	23.63	23.57	23.49				
10	QPSK	1	49	23.33	23.34	23.33	23.8	0.5		
10	QPSK	50	0	23.68	23.68	23.68				
10	QPSK	25	12	23.02	23.12	23.05	23.8	0.5		
10	QPSK	25	25	23.03	22.95	22.91				
10	QPSK	50	0	23.05	22.97	22.84				
10	16QAM	1	0	23.27	23.27	23.27	23.8	0.5		
10	16QAM	1	25	23.35	23.40	23.25				
10	16QAM	1	49	23.17	23.14	23.10	23.3	1	</	

Band 4_Ant 3										
BN [Mod]	RB Size	RB Offset	Power Low [dBm]	Power Main [dBm]	Power High [dBm]	Turn-on Time [ms]	MPR [dB]			
Channel										
Frequency (MHz)			1720	1732.5	1745					
20	QPSK	1	0	20.17	20.39	20.26				
20	QPSK	1	49	20.12	20.28	20.15	20.9			
20	QPSK	1	98	20.22	20.38	20.25				
20	QPSK	50	0	20.17	20.39	20.26				
20	QPSK	50	24	20.24	20.19	20.23	20.9			
20	QPSK	50	50	20.17	20.24	20.21				
20	QPSK	50	75	20.17	20.24	20.21				
20	16QAM	1	0	20.19	20.17	20.22				
20	16QAM	1	49	20.18	20.21	20.16	20.9			
20	16QAM	1	98	20.19	20.28	20.16				
20	16QAM	50	0	20.22	20.18	20.21				
20	16QAM	50	24	20.20	20.18	20.21	20.9			
20	16QAM	50	50	20.23	20.24	20.25				
20	16QAM	50	75	20.22	20.19	20.22				
20	64QAM	1	0	20.12	20.28	20.23				
20	64QAM	1	49	20.20	20.18	20.12	20.9			
20	64QAM	1	98	20.19	20.28	20.16				
20	64QAM	50	0	20.12	20.28	20.17				
20	64QAM	50	24	20.19	20.28	20.16	20.9			
20	64QAM	50	50	20.25	20.24	20.24				
20	64QAM	50	75	20.22	20.24	20.20				
Channel										
Frequency (MHz)			1717.5	1732.5	1747.5					
15	QPSK	1	0	20.18	20.25	20.23				
15	QPSK	1	37	20.19	20.25	20.23				
15	QPSK	1	74	20.20	20.28	20.14				
15	QPSK	36	0	20.14	20.12	20.10				
15	QPSK	36	20	20.12	20.16	20.17	20.9			
15	QPSK	36	39	20.18	20.25	20.17				
15	QPSK	75	0	20.10	20.16	20.01				
15	16QAM	1	0	20.17	20.13	20.11				
15	16QAM	1	37	20.19	20.27	20.17				
15	16QAM	1	74	20.10	20.13	20.11				
15	16QAM	36	0	20.12	20.14	20.04				
15	16QAM	36	20	20.14	20.16	20.15	20.9			
15	16QAM	36	39	20.18	20.20	20.01				
15	16QAM	75	0	20.10	20.16	20.14				
15	64QAM	1	0	20.07	20.21	20.21				
15	64QAM	1	37	20.15	20.15	20.15	20.9			
15	64QAM	1	74	19.97	20.13	20.08				
15	64QAM	36	0	20.11	20.18	20.04				
15	64QAM	36	20	20.22	20.24	20.14	20.9			
15	64QAM	36	39	20.22	20.26	20.09				
15	64QAM	75	0	20.09	20.23	20.18				
Channel										
Frequency (MHz)			1720	1735	1750.5					
10	QPSK	1	0	20.14	20.22	20.18				
10	QPSK	1	25	20.14	20.22	20.08	20.9			
10	QPSK	1	49	20.15	20.11	20.17				
10	QPSK	1	74	20.15	20.28	20.11				
10	QPSK	25	12	20.18	20.06	20.10				
10	QPSK	25	25	20.09	20.10	20.12				
10	QPSK	50	0	20.02	20.04	19.96				
10	16QAM	1	0	20.14	20.14	20.04				
10	16QAM	1	25	20.09	20.07	20.02	20.9			
10	16QAM	1	49	20.13	20.16	20.09				
10	16QAM	1	74	20.12	20.17	20.07				
10	16QAM	25	12	20.10	20.15	20.15				
10	16QAM	25	25	20.19	20.12	20.08				
10	16QAM	50	0	20.14</						

Band 5_Ant 0										
RW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power High (dBm)	Power High (dBm)	Turn-up time (ms)	MFR (dB)		
Channel										
Frequency (MHz)				20460	20500	20600				
5	QPSK	1	0	23.80	23.80	23.82				
10	QPSK	1	25	23.78	23.78	23.87				
10	QPSK	1	49	23.74	23.76	23.74				
10	QPSK	25	12	22.25	22.25	22.27				
10	QPSK	25	12	22.25	22.25	22.20				
10	QPSK	25	25	22.68	22.67	22.61				
10	16QAM	1	0	22.60	22.60	22.61				
10	16QAM	1	25	22.63	22.56	22.63				
10	16QAM	1	49	22.62	22.54	22.62				
10	16QAM	1	25	22.34	22.32	22.35				
10	16QAM	25	12	21.34	21.34	21.20				
10	16QAM	25	25	21.29	21.28	21.17				
10	16QAM	50	0	21.35	21.45	21.21				
10	16QAM	1	25	21.48	21.44	21.45				
10	16QAM	1	25	21.31	21.30	21.32				
10	16QAM	1	49	21.44	21.42	21.42				
10	16QAM	1	25	20.35	20.32	20.34				
10	16QAM	25	12	20.34	20.25	20.19				
10	16QAM	25	25	20.29	20.27	20.19				
10	16QAM	50	0	20.34	20.23	20.20				
Channel										
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	0	23.77	23.73	23.72				
5	QPSK	1	12	23.61	23.61	23.66				
5	QPSK	1	24	23.61	23.61	23.67				
5	QPSK	12	0	22.18	22.30	22.23				
5	QPSK	12	7	22.13	22.14	22.11				
5	QPSK	12	13	22.17	22.23	22.13				
5	QPSK	25	0	22.20	22.25	22.18				
5	16QAM	1	0	22.57	22.49	22.53				
5	16QAM	1	12	22.60	22.51	22.29				
5	16QAM	1	24	22.42	22.38	22.28				
5	16QAM	12	7	21.28	21.19	21.11				
5	16QAM	12	7	21.27	21.13	21.18				
5	16QAM	12	13	21.17	21.25	20.19				
5	16QAM	25	0	21.29	21.17	21.17				
5	16QAM	1	0	21.39	21.34	21.36				
5	16QAM	1	12	21.46	21.32	21.25				
5	16QAM	1	24	21.41	21.34	21.31				
5	16QAM	12	0	20.24	20.22	20.20				
5	16QAM	12	7	20.32	20.23	20.04				
5	16QAM	12	13	20.32	20.16	20.07				
5	16QAM	25	0	20.24	20.10	20.11				
Channel										
Frequency (MHz)				826.5	2052.5	2063.5				
				826.5	836.5	846.5				
3	QPSK	1	0	23.75	23.73	23.69				
3	QPSK	1	8	23.72	23.68	23.56				
3	QPSK	1	7	23.71	23.75	23.59				
3	QPSK	8	0	22.23	22.21	22.16				
3	QPSK	8	4	22.26	22.17	22.16				
3	QPSK	8	7	22.25	22.20	22.06				
3	QPSK	16	0	22.20	22.21	22.16				
3	16QAM	1	8	22.61	22.43	22.28				
3	16QAM	1	14	22.60	22.44	22.48				
3	16QAM	8	0	21.29	21.19	21.14				
3	16QAM	8	4	21.29	21.17	21.18				
3	16QAM	8	7	21.15	21.23	21.04				
3	16QAM	16	0	21.20	21.14	21.19				
3	16QAM	1	0	21.38	21.30	21.31				
3	16QAM	1	8	21.46	21.31	21.31				
3	16QAM	1	14	21.29	21.13	21.34				
3	16QAM	8	0	20.34	20.20	20.22				
3	16QAM	8	4	20.29	20.10	20.14				
3	16QAM	8	7	20.24	20.21	20.07				
3	16QAM	16	0	20.23	20.12	20.10				
Channel										
Frequency (MHz)				20407	20525	20643				
				826.1	836.5	846.3				
1.4	QPSK	1	0	23.77	23.73	23.66				
1.4	QPSK	1	3	23.78	23.74	23.67				
1.4	QPSK	1	23	23.75	23.74	23.70				
1.4	QPSK	3	0	22.77	22.72	22.68				
1.4	QPSK	3	0	22.80	22.72	22.70				
1.4	QPSK	3	23	23.72	23.72	23.72				
1.4	QPSK	3	0	22.28	22.21	22.17				
1.4	16QAM	1	0	22.55	22.51	22.39				
1.4	16QAM	1	3	22.50	22.51	22.42				
1.4	16QAM	1	23	22.50	22.51	22.47				
1.4	16QAM	3	0	22.27	22.20	22.13				
1.4	16QAM	3	0	22.28	22.22	22.19				
1.4	16QAM	3	23	22.27	22.18	22.17				
1.4	16QAM	6	0	21.34	21.28	21.27				
1.4	16QAM	6	0	21.48	21.46	21.35				
1.4	16QAM	1	3	21.40	21.40	21.34				
1.4	16QAM	1	23	21.45	21.42	21.31				
1.4	16QAM	3	0	21.40	21.32	21.28				
1.4	16QAM	3	1	21.38	21.29	21.29				
1.4	16QAM	3	1	21.38	21.33	21.29				
1.4	16QAM	6	0	20.24	20.19	20.18				

Band 5_Ant 1										
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch [Frac]	Power Middle Ch [Frac]	Power High Ch [Frac]	Tune-up limit (MHz)	AMPR (dB)		
Channel										
Frequency (MHz)				250	2505	2550				
0	QPSK	1	0	23.85	23.88	23.80				
0	QPSK	1	25	23.83	23.72	23.68		24.6	0	
0	QPSK	1	49	23.73	23.74	23.74				
0	QPSK	5	25	22.33	22.33	22.33				
0	QPSK	5	12	22.33	22.22	22.22		23.6	1	
0	QPSK	25	25	22.24	22.28	22.16				
0	QPSK	25	25	22.31	22.28	22.27				
0	16QAM	1	0	22.55	22.55	22.56				
0	16QAM	1	25	22.58	22.55	22.58		23.6	1	
0	16QAM	1	49	22.47	22.44	22.50				
0	16QAM	5	25	21.36	21.36	21.36				
0	16QAM	25	12	21.31	21.20	21.17		22.6	2	
0	16QAM	25	25	21.23	21.27	21.16				
0	16QAM	50	0	21.33	21.23	21.19				
0	64QAM	1	25	21.47	21.38	21.43				
0	64QAM	1	25	21.45	21.37	21.29		22.6	2	
0	64QAM	1	49	21.39	21.39	21.41				
0	64QAM	5	25	20.31	20.18	20.26				
0	64QAM	25	12	20.30	20.22	20.16		21.6	3	
0	64QAM	25	25	20.23	20.26	20.16				
0	64QAM	50	0	20.31	20.22	20.17				
Channel										
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (MHz)	AMPR (dB)		
5	QPSK	1	0	23.75	23.87	23.78				
5	QPSK	1	12	23.74	23.62	23.61		24.6	0	
5	QPSK	1	25	23.70	23.64	23.64				
5	QPSK	12	0	22.24	22.30	22.22				
5	QPSK	12	7	22.21	22.15	22.15		23.6	1	
5	QPSK	12	13	22.10	22.21	22.22				
5	QPSK	25	0	22.22	22.28	22.21				
5	16QAM	1	0	22.51	22.52	22.51				
5	16QAM	1	12	22.46	22.49	22.32		23.6	1	
5	16QAM	1	24	22.41	22.43	22.47				
5	16QAM	12	0	21.23	21.11	21.13				
5	16QAM	12	7	21.26	21.13	21.24		22.6	2	
5	16QAM	12	13	21.16	21.21	21.14				
5	16QAM	25	0	21.32	21.19	21.11				
5	64QAM	1	0	21.34	21.32	21.38				
5	64QAM	1	12	21.38	21.33	21.24		22.6	2	
5	64QAM	1	24	21.32	21.36	21.36				
5	64QAM	12	0	20.26	20.12	20.06				
5	64QAM	12	7	20.25	20.14	20.06		21.6	3	
5	64QAM	12	13	20.16	20.15	20.08				
5	64QAM	25	0	20.29	20.08	20.06				
Channel										
Frequency (MHz)				2040.5	2050.5	2054.5	Tune-up limit (MHz)	AMPR (dB)		
3	QPSK	1	0	23.84	23.82	23.73				
3	QPSK	1	8	23.77	23.69	23.63		24.6	0	
3	QPSK	1	16	23.67	23.71	23.71				
3	QPSK	8	0	22.29	22.37	22.13				
3	QPSK	8	4	22.32	22.11	22.05		23.6	1	
3	QPSK	8	8	22.13	22.17	22.02				
3	QPSK	15	0	22.25	22.28	22.15				
3	16QAM	1	0	22.44	22.52	22.41				
3	16QAM	1	8	22.56	22.38	22.31		23.6	1	
3	16QAM	1	16	22.32	22.34	22.36				
3	16QAM	8	0	21.27	21.06	21.13				
3	16QAM	8	4	21.17	21.13	21.08				
3	16QAM	8	7	21.14	21.17	21.03		22.6	2	
3	16QAM	15	0	21.18	21.18	21.18				
3	64QAM	1	0	21.45	21.30	21.36				
3	64QAM	1	8	21.45	21.29	21.21		22.6	2	
3	64QAM	1	16	21.37	21.29	21.21				
3	64QAM	8	0	20.23	20.03	20.06				
3	64QAM	8	4	20.23	20.20	20.13				
3	64QAM	8	7	20.15	20.14	20.14		21.6	3	
3	64QAM	15	0	20.27	20.14	20.09				
Channel										
Frequency (MHz)				2040.7	2050.5	2054.5	Tune-up limit (MHz)	AMPR (dB)		
1.4	QPSK	1	0	824.7	836.5	846.3				
1.4	QPSK	1	3	23.81	23.79	23.75				
1.4	QPSK	1	3	23.82	23.73	23.69		24.6	0	
1.4	QPSK	3	0	23.81	23.72	23.67				
1.4	QPSK	3	1	23.77	23.71	23.70				
1.4	QPSK	3	3	23.83	23.75	23.72				
1.4	QPSK	6	0	22.26	22.22	22.22		23.6	1	
1.4	16QAM	1	0	22.54	22.54	22.46				
1.4	16QAM	1	3	22.49	22.46	22.42				
1.4	16QAM	3	0	22.46	22.51	22.48				
1.4	16QAM	3	3	22.37	22.21	22.18		23.6	1	
1.4	16QAM	3	1	22.32	22.18	22.19				
1.4	16QAM	6	0	22.29	22.18	22.20				
1.4	16QAM	6	0	21.53	21.28	21.30		22.6	2	
1.4	64QAM	1	0	21.51	21.44	21.37				
1.4	64QAM	1	3	21.42	21.41	21.38				
1.4	64QAM	3	1	21.42	21.42	21.37				
1.4	64QAM	3	3	21.37	21.30	21.30		22.6	2	
1.4	64QAM	3	1	21.32	21.33	21.33				
1.4	64QAM	6	0	20.24	20.21	20.19				
1.4	64QAM	6	0	20.24	20.21	20.19		21.6	3	

Band 7 Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (dBm)	Power Middle (dBm)	Power High (dBm)	Tune-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)				20500	21100	21500				
20	QPSK	1	0	21.50	21.55	21.40				
20	QPSK	1	49	21.38	21.51	21.43	22	0		
20	QPSK	1	99	21.48	21.40	21.48				
20	QPSK	1	149	21.43	21.48	21.42				
20	QPSK	50	24	21.45	21.42	21.37	22	0		
20	QPSK	50	50	21.46	21.50	21.34				
20	QPSK	50	99	21.53	21.37	21.37				
20	16QAM	1	0	21.49	21.53	21.48				
20	16QAM	1	49	21.38	21.52	21.45	22	0		
20	16QAM	1	99	21.44	21.52	21.38				
20	16QAM	1	149	21.44	21.34	21.42				
20	16QAM	50	24	21.47	21.34	21.24	22	0		
20	16QAM	50	50	21.44	21.31	21.20				
20	16QAM	50	99	21.40	21.33	21.19				
20	16QAM	50	149	21.47	21.29	21.29				
20	64QAM	1	49	21.51	21.50	21.39	22	0		
20	64QAM	1	99	21.44	21.53	21.44				
20	64QAM	50	24	20.44	20.38	20.20				
20	64QAM	50	24	20.48	20.34	20.23	21	1		
20	64QAM	50	50	20.45	20.32	20.19				
20	64QAM	50	50	20.44	20.33	20.20				
Channel										
Frequency (MHz)				20505	21105	21505	Tune-up time (sec)	MPE (dB)		
15	QPSK	1	0	21.53	21.52	21.43				
15	QPSK	1	37	21.25	21.49	21.38	22	0		
15	QPSK	1	74	21.34	21.48	21.40				
15	QPSK	36	0	21.44	21.42	21.28				
15	QPSK	36	20	21.38	21.28	21.28	22	0		
15	QPSK	36	39	21.44	21.40	21.19				
15	QPSK	1	149	21.39	21.48	21.24				
15	16QAM	1	0	21.47	21.48	21.42				
15	16QAM	1	37	21.34	21.38	21.32	22	0		
15	16QAM	1	74	21.33	21.41	21.29				
15	16QAM	36	0	21.31	21.28	21.10				
15	16QAM	36	20	21.34	21.30	21.18	22	0		
15	16QAM	36	39	21.29	21.26	21.13				
15	16QAM	1	149	21.35	21.24	21.11				
15	64QAM	1	0	21.41	21.33	21.16				
15	64QAM	1	37	21.45	21.43	21.46	22	0		
15	64QAM	1	74	21.46	21.53	21.30				
15	64QAM	36	0	20.39	20.21	20.05				
15	64QAM	36	20	20.46	20.26	20.15	21	1		
15	64QAM	36	39	20.32	20.30	20.13				
15	64QAM	75	0	20.43	20.22	20.14				
Channel										
Frequency (MHz)				20500	21100	21500	Tune-up time (sec)	MPE (dB)		
10	QPSK	1	0	21.40	21.47	21.41				
10	QPSK	1	25	21.36	21.39	21.41	22	0		
10	QPSK	1	49	21.46	21.29	21.40				
10	QPSK	25	0	21.48	21.42	21.34				
10	QPSK	25	12	21.39	21.32	21.28				
10	QPSK	25	37	21.39	21.48	21.26				
10	QPSK	50	0	21.38	21.49	21.26				
10	16QAM	1	0	21.39	21.44	21.41				
10	16QAM	1	25	21.30	21.45	21.37				
10	16QAM	1	49	21.31	21.47	21.36	22	0		
10	16QAM	25	0	21.39	21.26	21.20				
10	16QAM	25	12	21.46	21.32	21.22				
10	16QAM	25	37	21.34	21.19	21.14	22	0		
10	16QAM	50	0	21.33	21.25	21.12				
10	64QAM	1	0	21.50	21.43	21.16				
10	64QAM	1	25	21.45	21.41	21.44	22	0		
10	64QAM	1	49	21.48	21.29	21.28				
10	64QAM	25	0	20.40	20.24	20.10				
10	64QAM	25	12	20.36	20.25	20.21	21	1		
10	64QAM	25	37	20.39	20.25	20.16				
10	64QAM	50	0	20.40	20.20	20.10				
Channel										
Frequency (MHz)				20775	21100	21425	Tune-up time (sec)	MPE (dB)		
5	QPSK	1	0	21.42	21.53	21.46				
5	QPSK	1	12	21.28	21.48	21.28				
5	QPSK	1	24	21.40	21.40	21.36	22	0		
5	QPSK	12	0	21.35	21.43	21.41				
5	QPSK	12	7	21.35	21.30	21.34				
5	QPSK	12	13	21.33	21.47	21.22	22	0		
5	QPSK	25	0	21.40	21.47	21.32				
5	16QAM	1	0	21.43	21.45	21.37				
5	16QAM	1	12	21.33	21.51	21.38	22	0		
5	16QAM	1	24	21.40	21.48	21.35				
5	16QAM	12	0	21.36	21.30	21.18				
5	16QAM	12	7	21.32	21.24	21.21	22	0		
5	16QAM	12	13	21.32	21.19	21.29				
5	16QAM	25	0	21.33	21.24	21.08				
5	64QAM	1	0	21.44	21.33	21.28				
5	64QAM	1	12	21.45	21.46	21.34	22	0		
5	64QAM	1	24	21.46	21.44	21.32				
5	64QAM	12	0	20.34	20.31	20.10				
5	64QAM	12	7	20.36	20.23	20.12	21	1		
5	64QAM	12	13	20.37	20.18	20.15				
5	64QAM	25	0	20.39	20.23	20.07				

Band 7 Ant 3									
RW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Mid [dBm]	Power High [dBm]	Time-unit [sec]	MPR [dB]	
Channel									
Frequency (MHz)				20500	21100	21350			
20	QPSK	1	0	19.01	19.10	19.05			
20	QPSK	1	49	18.93	19.00	18.92	19.5	0	
20	QPSK	1	99	18.99	19.08	19.00			
20	QPSK	1	149	18.95	19.07	18.97			
20	QPSK	50	24	18.94	19.02	19.01			
20	QPSK	100	50	18.89	19.01	18.96			
20	QPSK	150	75	18.86	19.00	18.90			
20	16QAM	1	0	19.92	19.91	19.91			
20	16QAM	1	49	18.94	19.00	18.93	19.5	0	
20	16QAM	1	99	19.00	19.02	19.04			
20	16QAM	1	149	18.90	19.07	18.98			
20	16QAM	50	24	18.97	19.05	18.98			
20	16QAM	100	50	18.97	19.06	18.98	19.5	0	
20	16QAM	150	75	18.86	19.07	18.93			
20	64QAM	1	49	19.91	19.06	18.92			
20	64QAM	1	99	18.87	19.06	18.98			
20	64QAM	1	149	18.86	19.04	18.91			
20	64QAM	50	24	18.86	19.08	18.94			
20	64QAM	100	50	18.86	18.95	18.99	19.5	0	
20	64QAM	150	75	18.96	19.02	18.95			
Channel									
Frequency (MHz)				2507.5	2530.0	2562.5			
15	QPSK	1	0	19.93	19.94	18.92			
15	QPSK	1	37	18.87	18.87	18.90	19.5	0	
15	QPSK	1	74	18.84	18.92	18.85			
15	QPSK	36	0	18.92	18.92	19.01			
15	QPSK	36	30	18.80	18.87	18.99			
15	QPSK	36	29	18.77	18.93	18.95	19.5	0	
15	QPSK	36	58	18.71	18.93	18.97			
15	16QAM	1	0	18.83	18.94	18.91			
15	16QAM	1	37	18.86	18.93	18.98	19.5	0	
15	16QAM	1	74	18.87	18.93	19.01			
15	16QAM	36	0	18.89	18.92	18.95			
15	16QAM	36	20	18.88	18.92	18.80			
15	16QAM	36	39	18.87	18.96	18.94			
15	16QAM	36	58	18.86	19.04	18.94			
15	64QAM	1	0	19.73	18.87	18.94			
15	64QAM	1	37	18.85	18.95	18.98			
15	64QAM	1	74	18.90	18.94	18.83			
15	64QAM	36	0	18.78	18.93	18.90			
15	64QAM	36	20	18.72	18.98	18.81			
15	64QAM	36	39	18.72	18.87	18.94	19.5	0	
15	64QAM	36	58	18.99	18.99	18.80			
Channel									
Frequency (MHz)				20000	21100	21425			
10	QPSK	1	0	18.97	18.98	19.00			
10	QPSK	1	25	18.89	18.92	18.85	19.5	0	
10	QPSK	1	49	18.89	18.97	18.94			
10	QPSK	25	0	18.92	18.92	18.92			
10	QPSK	25	12	18.83	18.99	18.99			
10	QPSK	25	25	18.84	19.03	18.93			
10	QPSK	50	0	18.94	18.97	18.90			
10	16QAM	1	0	19.83	19.00	18.90			
10	16QAM	1	25	17.99	18.93	18.97			
10	16QAM	1	49	18.88	18.98	18.99			
10	16QAM	25	0	18.78	19.01	18.84			
10	16QAM	25	12	18.89	19.01	18.85			
10	16QAM	25	25	18.96	18.97	18.88			
10	16QAM	50	0	18.75	19.01	18.91			
10	64QAM	1	0	18.85	18.83	18.85			
10	64QAM	1	25	18.81	18.99	18.80	19.5	0	
10	64QAM	1	49	18.79	18.99	18.86			
10	64QAM	25	0	18.80	18.94	18.78			
10	64QAM	25	12	18.81	19.01	18.83			
10	64QAM	25	25	18.83	19.00	19.01			
10	64QAM	50	0	18.93	18.95	18.85			
Channel									
Frequency (MHz)				20775	21100	21425			
5	QPSK	1	0	19.93	19.93	19.01			
5	QPSK	1	12	19.91	19.95	19.81	19.5	0	
5	QPSK	1	24	19.91	19.99	19.89			
5	QPSK	12	0	18.88	18.90	18.94			
5	QPSK	12	7	18.91	18.92	18.97			
5	QPSK	12	14	18.96	18.98	18.95	19.5	0	
5	QPSK	25	0	18.82	19.01	19.04			
5	16QAM	1	0	18.80	18.88	18.85			
5	16QAM	1	12	17.99	18.83	18.89			
5	16QAM	1	24	18.75	18.98	18.84			
5	16QAM	12	0	18.83	18.92	18.86			
5	16QAM	12	7	18.93	18.91	18.81	19.5	0	
5	16QAM	12	14	18.92	18.94	18.85			
5	16QAM	25	0	18.71	18.99	18.94			
5	64QAM	1	0	18.83	18.82	18.94			
5	64QAM	1	12	17.97	19.04	18.87			
5	64QAM	1	24	18.82	19.02	18.87			
5	64QAM	12	0	18.82	19.02	18.79			
5	64QAM	12	7	18.87	18.99	18.91			
5	64QAM	12	14	18.94	18.96	18.85			
5	64QAM	25	0	18.92	18.99	18.92			

Band 26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	0	23.74	23.74	23.80			
15	QPSK	1	37	23.84	23.84	23.79	24.8	0	
15	QPSK	1	74	23.82	23.79	23.71			
15	QPSK	36	0	22.62	22.67	22.66			
15	QPSK	36	20	22.80	22.81	22.78			
15	QPSK	36	39	22.80	22.82	22.72	23.8	1	
15	QPSK	75	0	22.78	22.86	22.77			
15	16QAM	1	0	23.12	23.00	23.06			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.05	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.81	21.77			
15	16QAM	36	39	21.78	21.82	21.74	22.8	2	
15	16QAM	75	0	21.86	21.83	21.78			
15	16QAM	1	0	21.99	21.94	22.00			
15	16QAM	1	37	22.03	21.98	21.90	22.8	2	
15	16QAM	1	74	21.95	21.89	21.85			
15	16QAM	36	0	20.85	20.83	20.79			
15	16QAM	36	20	20.87	20.85	20.78	21.8	3	
15	16QAM	36	39	20.83	20.83	20.75			
15	16QAM	75	0	20.83	20.80	20.76			
Channel									
Frequency (MHz)									
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	25	23.74	23.72	23.69	24.8	0	
10	QPSK	1	49	23.80	23.71	23.68			
10	QPSK	75	0	22.71	22.72	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.69	22.81	22.65			
10	QPSK	50	0	22.68	22.71	22.70			
10	16QAM	1	0	23.03	23.03	23.08			
10	16QAM	1	25	23.07	23.01	22.93	23.8	1	
10	16QAM	1	49	22.93	22.92	22.81			
10	16QAM	25	0	21.74	21.69	21.66			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.66	21.73	21.67			
10	16QAM	50	0	21.73	21.77	21.66			
10	16QAM	1	0	21.84	21.84	21.84			
10	16QAM	1	25	21.98	21.83	21.84	22.8	2	
10	16QAM	1	49	21.92	21.87	21.74			
10	16QAM	25	0	20.76	20.76	20.67			
10	16QAM	25	12	20.78	20.72	20.63	21.8	3	
10	16QAM	25	25	20.77	20.77	20.69			
10	16QAM	50	0	20.81	20.86	20.66			
Channel									
Frequency (MHz)									
5	QPSK	1	0	23.84	23.79	23.80			
5	QPSK	1	12	23.83	23.73	23.73	24.8	0	
5	QPSK	1	24	23.76	23.69	23.66			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	7	22.76	22.68	22.68	23.8	1	
5	QPSK	12	13	22.79	22.72	22.70			
5	QPSK	25	0	22.67	22.67	22.63			
5	QPSK	25	0	22.68	22.64	22.63			
5	16QAM	1	12	22.99	23.00	23.02	23.8	1	
5	16QAM	1	24	22.96	22.90	22.91			
5	16QAM	12	0	21.82	21.77	21.82			
5	16QAM	12	7	21.76	21.71	21.72	22.8	2	
5	16QAM	12	13	21.66	21.79	21.61			
5	16QAM	25	0	21.73	21.69	21.76			
5	16QAM	1	0	21.91	21.90	21.91			
5	16QAM	1	12	22.01	21.96	21.82	22.8	2	
5	16QAM	1	24	21.87	21.74	21.78			
5	16QAM	12	0	20.76	20.76	20.76			
5	16QAM	12	7	20.75	20.80	20.84	21.8	3	
5	16QAM	12	13	20.73	20.74	20.68			
5	16QAM	25	0	20.81	20.86	20.69			
Channel									
Frequency (MHz)									
3	QPSK	1	0	23.77	23.74	23.76			
3	QPSK	1	8	23.74	23.76	23.77	24.8	0	
3	QPSK	14	0	22.75	22.69	22.67			
3	QPSK	8	0	22.72	22.81	22.76			
3	QPSK	8	4	22.76	22.73	22.63	23.8	1	
3	QPSK	8	7	22.74	22.79	22.76			
3	QPSK	15	0	22.67	22.76	22.65			
3	16QAM	1	0	22.97	23.00	23.07	23.8	1	
3	16QAM	1	8	23.09	23.04	22.96			
3	16QAM	14	0	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.75	21.69	22.8	2	
3	16QAM	8	4	21.75	21.79	21.70			
3	16QAM	8	7	21.69	21.73	21.69			
3	16QAM	15	0	21.76	21.73	21.67			
3	16QAM	1	0	21.84	21.79	21.86			
3	16QAM	1	8	21.90	21.83	21.81	22.8	2	
3	16QAM	14	0	21.80	21.82	21.81			
3	16QAM	8	0	20.76	20.73	20.66			
3	16QAM	8	4	20.83	20.75	20.73	21.8	3	
3	16QAM	8	7	20.80	20.72	20.64			
3	16QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	23.86	23.80	23.65			
1.4	QPSK	1	3	23.82	23.79	23.65	24.8	0	
1.4	QPSK	1	5	23.86	23.80	23.71			
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	3	23.84	23.79	23.70			
1.4	QPSK	6	0	22.83	22.77	22.68	23.8	1	
1.4	16QAM	1	0	23.06	23.06	22.93			
1.4	16QAM	1	3	23.06	23.06	22.94			
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1	
1.4	16QAM	3	0	22.80	22.79	22.69			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	3	22.84	22.74	22.70			
1.4	16QAM	6	0	21.89	21.85	21.76	22.8	2	
1.4	16QAM	1	0	21.97	21.96	21.89			
1.4	16QAM	1	3	21.96	21.91	21.85			
1.4	16QAM	1	5	22.01	21.99	21.81	22.8	2	
1.4	16QAM	3	0	21.96	21.96	21.79			
1.4	16QAM	3	1	21.93	21.87	21.79			
1.4	16QAM	3	3	21.92	21.86	21.78			
1.4	16QAM	6	0	20.79	20.74	20.67	21.8	3	

Band 26_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch (dBm)	Power High Ch (dBm)	Power High Freq (MHz)	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				831.5	831.5	841.5			
15	QPSK	1	0	23.90	23.90	23.97			
15	QPSK	1	37	23.89	23.88	23.77	24.6	0	
15	QPSK	1	74	23.89	23.79	23.78			
15	QPSK	36	0	22.85	22.80	22.85			
15	QPSK	36	20	22.88	22.84	22.80	23.6	1	
15	QPSK	36	36	22.81	22.84	22.76			
15	QPSK	75	0	22.80	22.85	22.77			
15	16QAM	1	0	23.15	23.04	23.11			
15	16QAM	1	37	23.13	23.11	23.01	23.6	1	
15	16QAM	1	74	23.08	23.03	23.02			
15	16QAM	36	0	21.86	21.85	21.77			
15	16QAM	36	20	21.91	21.84	21.81	22.6	2	
15	16QAM	36	36	21.82	21.85	21.76			
15	16QAM	75	0	21.88	21.86	21.79			
15	16QAM	1	0	22.05	21.94	22.03			
15	16QAM	1	37	22.06	22.02	21.91	22.6	2	
15	16QAM	1	74	21.98	21.92	21.87			
15	16QAM	36	0	20.88	20.87	20.78			
15	16QAM	36	20	20.92	20.87	20.82	21.6	3	
15	16QAM	36	36	20.85	20.86	20.78			
15	16QAM	75	0	20.87	20.85	20.78			
Channel									
Frequency (MHz)									
				2674.0	2676.5	2679.0	Turn-up time (dBm)	MPR (dB)	
				819	831.5	844			
10	QPSK	1	0	23.77	23.76	23.82			
10	QPSK	1	25	23.78	23.76	23.75	24.6	0	
10	QPSK	1	49	23.85	23.71	23.68			
10	QPSK	75	0	22.83	22.87	22.72			
10	QPSK	25	12	22.84	22.70	22.79	23.6	1	
10	QPSK	25	25	22.69	22.78	22.62			
10	QPSK	50	0	22.72	22.84	22.72			
10	16QAM	1	0	23.03	23.0	23.03			
10	16QAM	1	25	23.02	23.0	22.99	23.6	1	
10	16QAM	1	49	23.07	22.99	22.93			
10	16QAM	25	0	22.72	22.80	22.72			
10	16QAM	25	12	22.80	22.76	22.81	22.6	2	
10	16QAM	25	25	22.72	22.78	22.63			
10	16QAM	50	0	21.72	21.74	21.73			
10	16QAM	1	0	21.92	21.91	22.01	22.6	2	
10	16QAM	1	25	21.92	21.90	21.89			
10	16QAM	1	49	21.86	21.81	21.76			
10	16QAM	25	0	20.82	20.81	20.84			
10	16QAM	25	12	20.85	20.82	20.83	21.6	3	
10	16QAM	25	25	20.84	20.73	20.76			
10	16QAM	50	0	20.79	20.76	20.71			
Channel									
Frequency (MHz)									
				2671.5	2676.5	2677.5	Turn-up time (dBm)	MPR (dB)	
				831.5	831.5	841.5			
3	QPSK	1	0	23.81	23.94	23.85			
3	QPSK	1	8	23.77	23.75	23.71	24.6	0	
3	QPSK	1	16	23.82	23.64	23.64			
3	QPSK	8	0	22.74	22.83	22.87			
3	QPSK	8	4	22.85	22.79	22.72	23.6	1	
3	QPSK	8	7	22.66	22.77	22.65			
3	QPSK	15	0	22.70	22.70	22.71			
3	16QAM	1	0	23.09	23.02	22.96			
3	16QAM	1	8	23.07	23.09	22.92	23.6	1	
3	16QAM	1	16	23.09	23.00	22.93			
3	16QAM	8	0	21.73	21.72	21.71	22.6	2	
3	16QAM	8	4	21.87	21.81	21.87			
3	16QAM	8	7	21.77	21.78	21.69			
3	16QAM	15	0	21.81	21.81	21.67			
3	16QAM	1	0	21.96	21.79	21.94			
3	16QAM	1	8	22.01	22.03	21.98	22.6	2	
3	16QAM	1	16	21.95	21.86	21.72			
3	16QAM	8	0	20.78	20.79	20.75			
3	16QAM	8	4	20.91	20.72	20.80	21.6	3	
3	16QAM	8	7	20.84	20.77	20.70			
3	16QAM	15	0	20.72	20.71	20.73			
Channel									
Frequency (MHz)									
				2669.7	2676.5	2677.5	Turn-up time (dBm)	MPR (dB)	
				831.5	831.5	841.5			
1.4	QPSK	1	0	23.83	23.83	23.83			
1.4	QPSK	1	3	23.83	23.79	23.70			
1.4	QPSK	1	5	23.86	23.84	23.70	24.6	0	
1.4	QPSK	1	10	23.87	23.77	23.72			
1.4	QPSK	3	0	23.90	23.78	23.73			
1.4	QPSK	3	3	23.92	23.80	23.73			
1.4	QPSK	6	0	22.87	22.77	22.72	23.6	1	
1.4	QPSK	6	3	23.07	23.07	22.97			
1.4	16QAM	1	0	23.06	23.03	22.95			
1.4	16QAM	1	5	23.11	23.01	22.96	23.6	1	
1.4	16QAM	1	10	23.12	23.06	23.01			
1.4	16QAM	3	0	22.83	22.77	22.72			
1.4	16QAM	3	3	22.87	22.78	22.70	22.6	2	
1.4	16QAM	6	0	21.93	21.86	21.79			
1.4	16QAM	6	3	22.02	21.92	21.84			
1.4	16QAM	1	0	22.03	21.96	21.88	22.6	2	
1.4	16QAM	1	5	22.05	21.97	21.82			
1.4	16QAM	1	10	22.06	21.96	21.88			
1.4	16QAM	3	0	21.98	21.87	21.82			
1.4	16QAM	3	3	21.97	21.87	21.82	21.6	3	
1.4	16QAM	6	0	20.89	20.75	20.72			

Reduced Power Mode for EC110

Band 2_Ant 3															
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)							
Channel															
Frequency (MHz)															
20	QPSK	1	0	15.00	15.00	15.00	15.2	0							
20	QPSK	1	49	14.82	14.86	14.86									
20	QPSK	1	99	14.64	14.68	14.68									
20	QPSK	50	0	14.98	15.00	15.00									
20	QPSK	50	24	14.97	15.00	14.92	15.2	0							
20	QPSK	50	50	14.92	14.92	14.92									
20	QPSK	100	0	14.96	15.03	14.98									
20	16QAM	1	0	14.82	14.96	14.78									
20	16QAM	1	49	14.79	14.96	14.79	15.2	0							
20	16QAM	1	99	14.92	14.91	14.74									
20	16QAM	50	0	14.93	14.96	14.80									
20	16QAM	50	24	14.95	14.96	14.82									
20	16QAM	50	50	14.98	15.04	14.86	15.2	0							
20	16QAM	100	0	14.87	15.00	14.94									
20	64QAM	1	0	14.92	15.04	14.77									
20	64QAM	1	49	14.84	15.03	14.94									
20	64QAM	1	99	14.93	14.96	14.80	15.2	0							
20	64QAM	50	0	14.83	15.04	14.99									
20	64QAM	50	24	14.94	14.97	14.82									
20	64QAM	50	50	14.93	14.90	14.88									
20	64QAM	100	0	14.97	14.94	14.88									
Channel															
Frequency (MHz)															
15	QPSK	1	0	15.04	15.07	14.87	15.2	0							
15	QPSK	1	37	14.90	14.88	14.88									
15	QPSK	1	74	14.85	14.86	14.97									
15	QPSK	36	0	14.99	15.02	14.98									
15	QPSK	36	20	14.88	14.93	14.81	15.2	0							
15	QPSK	36	36	14.93	14.92	14.86									
15	QPSK	75	0	14.99	15.02	14.92									
15	16QAM	1	0	14.86	14.99	14.77									
15	16QAM	1	37	14.79	14.94	14.82	15.2	0							
15	16QAM	1	74	14.91	14.92	14.80									
15	16QAM	36	0	14.82	15.02	14.80									
15	16QAM	36	20	14.97	15.01	14.87									
15	16QAM	36	36	14.91	15.00	14.86	15.2	0							
15	16QAM	75	0	14.88	15.04	14.92									
15	64QAM	1	0	14.93	14.98	14.80									
15	64QAM	1	37	14.81	15.02	14.86									
15	64QAM	1	74	15.00	14.97	14.81	15.2	0							
15	64QAM	36	0	14.84	15.01	14.94									
15	64QAM	36	20	14.96	15.02	14.81									
15	64QAM	36	36	14.90	15.03	14.85									
15	64QAM	75	0	14.90	14.96	14.83									
Channel															
Frequency (MHz)															
10	QPSK	1	0	15.01	15.03	15.03	15.2	0							
10	QPSK	1	25	14.89	14.96	14.93									
10	QPSK	1	49	14.83	14.91	14.94									
10	QPSK	25	0	15.00	15.05	14.90									
10	QPSK	25	12	14.90	14.95	14.87	15.2	0							
10	QPSK	25	25	14.92	14.93	14.89									
10	QPSK	50	0	14.92	14.96	14.90									
10	16QAM	1	0	14.89	14.99	14.73									
10	16QAM	1	25	14.90	14.96	14.79	15.2	0							
10	16QAM	1	49	14.88	14.94	14.76									
10	16QAM	25	0	14.84	15.07	14.84									
10	16QAM	25	12	14.90	14.95	14.86									
10	16QAM	25	25	14.98	14.93	14.88	15.2	0							
10	16QAM	50	0	14.88	14.98	14.83									
10	64QAM	1	0	14.89	15.05	14.85									
10	64QAM	1	25	14.91	15.03	14.92									
10	64QAM	1	49	14.86	14.98	14.87	15.2	0							
10	64QAM	25	0	14.80	15.06	14.88									
10	64QAM	25	12	14.94	15.01	14.89									
10	64QAM	25	25	14.94	14.90	14.87									
10	64QAM	50	0	15.01	15.01	14.82									
Channel															
Frequency (MHz)															
5	QPSK	1	0	15.04	15.07	15.01	15.2	0							
5	QPSK	1	12	14.87	14.89	14.89									
5	QPSK	1	24	14.90	14.94	14.91									
5	QPSK	12	0	14.98	14.94	14.93									
5	QPSK	12	7	15.04	15.01	14.93	15.2	0							
5	QPSK	12	13	14.96	14.87	14.96									
5	QPSK	25	0	14.88	14.95	14.82									
5	16QAM	1	0	14.83	14.93	14.86									
5	16QAM	1	12	14.79	14.92	14.88	15.2	0							
5	16QAM	1	24	15.00	14.88	14.78									
5	16QAM	12	0	14.83	15.05	14.86									
5	16QAM	12	7	14.98	14.94	14.77									
5	16QAM	12	13	15.00	14.96	14.89	15.2	0							
5	16QAM	25	0	14.82	15.04	14.89									
5	64QAM	1	0	14.96	15.03	14.79									
5	64QAM	1	12	14.95	14.91	14.86									
5	64QAM	1	24	14.89	14.98	14.86	15.2	0							
5	64QAM	12	0	14.84	14.93	14.89									
5	64QAM	12	7	14.90	14.89	14.85									
5	64QAM	12	13	14.97	14.85	14.91									
5	64QAM	25	0	14.99	15.01	14.83									
Channel															
Frequency (MHz)															
3	QPSK	1	0	14.95	14.98	14.99	15.2	0							
3	QPSK	1	8	14.89	14.89	14.93									
3	QPSK	1	14	14.83	14.90	14.88									
3	QPSK	8	0	14.89	15.05	14.85									
3	QPSK	8	4	14.94	14.96	14.83	15.2	0							
3	QPSK	8	7	14.93	14.89	14.84									
3	QPSK	15	0	14.94	14.99	14.87									
3	16QAM	1	0	14.83	14.98	14.77									
3	16QAM	1	8	14.84	14.95	14.90	15.2	0							
3	16QAM	1	14	14.90	14.94	14.84									
3	16QAM	8	0	14.92	15.07	14.87									
3	16QAM	8	4	14.94	14.98	14.83									
3	16QAM	8	7	15.04	14.99	14.91	15.2	0							
3	16QAM	15	0	14.86	14.93	14.95									
3	64QAM	1	0	14.91	14.96	14.90									
3	64QAM	1	8	14.91	14.96	14.90									
3	64QAM	1	14	14.99	14.99	14.88	15.2	0							
3	64QAM	8	0	14.78	15.02	14.87									

Band 5_Ant 0

Band 5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up lim (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				20450	20525	20600				
10	QPSK	1	0	829	836.5	844	24.8	0		
10	QPSK	1	25	23.76	23.73	23.67				
10	QPSK	1	49	23.74	23.71	23.64				
10	QPSK	25	0	22.33	22.33	22.30	23.8	1		
10	QPSK	25	12	22.25	22.26	22.20				
10	QPSK	25	25	22.28	22.27	22.19				
10	QPSK	50	0	22.25	22.30	22.21	23.8	1		
10	16QAM	1	0	22.60	22.60	22.61				
10	16QAM	1	25	22.63	22.56	22.43				
10	16QAM	1	49	22.54	22.50	22.32	22.8	2		
10	16QAM	25	0	21.34	21.22	21.25				
10	16QAM	25	12	21.34	21.24	21.20				
10	16QAM	25	25	21.29	21.25	21.17	22.8	2		
10	16QAM	50	0	21.35	21.25	21.21				
10	64QAM	1	0	21.49	21.44	21.45				
10	64QAM	1	25	21.52	21.39	21.32	21.8	3		
10	64QAM	1	49	21.44	21.42	21.42				
10	64QAM	25	0	20.35	20.23	20.24				
10	64QAM	25	12	20.34	20.25	20.19	21.8	3		
10	64QAM	25	25	20.29	20.27	20.19				
10	64QAM	50	0	20.34	20.23	20.20				
Channel										
Frequency (MHz)				20425	20525	20625	Turn-up lim (dBm)	MPR (dB)		
5	QPSK	1	0	826.5	836.5	846.5	24.8	0		
5	QPSK	1	12	23.61	23.61	23.56				
5	QPSK	1	24	23.61	23.61	23.60				
5	QPSK	12	0	22.18	22.30	22.23	23.8	1		
5	QPSK	12	7	22.13	22.14	22.11				
5	QPSK	12	13	22.17	22.23	22.13				
5	QPSK	25	0	22.20	22.25	22.20	23.8	1		
5	16QAM	1	0	22.67	22.49	22.53				
5	16QAM	1	12	22.20	22.37	22.29				
5	16QAM	1	24	22.44	22.39	22.38	22.8	2		
5	16QAM	12	0	21.28	21.21	21.11				
5	16QAM	12	7	21.27	21.13	21.19				
5	16QAM	12	13	21.17	21.20	21.09	21.8	3		
5	16QAM	25	0	21.29	21.17	21.17				
5	16QAM	25	12	21.36	21.24	21.25				
5	64QAM	1	0	21.39	21.34	21.35	22.8	2		
5	64QAM	1	12	21.46	21.36	21.36				
5	64QAM	1	24	21.41	21.34	21.31				
5	64QAM	12	0	20.24	20.22	20.17	21.8	3		
5	64QAM	12	7	20.32	20.23	20.04				
5	64QAM	12	13	20.36	20.25	20.07				
5	64QAM	25	0	20.26	20.10	20.11	21.8	3		
Channel										
Frequency (MHz)				20415 <th>20525</th> <th>20635</th> <th>Turn-up lim (dBm)</th> <th>MPR (dB)</th> <th></th>	20525	20635		Turn-up lim (dBm)	MPR (dB)	
3	QPSK	1	0	826.5	836.5	847.5		24.8	0	
3	QPSK	1	8	23.72	23.68	23.56				
3	QPSK	1	14	23.71	23.72	23.59				
3	QPSK	8	0	22.23	22.21	22.16	23.8	1		
3	QPSK	8	4	22.16	22.17	22.16				
3	QPSK	8	7	22.25	22.20	22.05				
3	QPSK	15	0	22.20	22.21	22.16	23.8	1		
3	16QAM	1	0	22.59	22.50	22.53				
3	16QAM	1	8	22.61	22.43	22.28				
3	16QAM	1	14	22.50	22.48	22.38	22.8	2		
3	16QAM	8	0	21.29	21.19	21.14				
3	16QAM	8	4	21.29	21.17	21.16				
3	16QAM	8	7	21.15	21.23	21.04	22.8	2		
3	16QAM	15	0	21.20	21.14	21.08				
3	64QAM	1	0	21.36	21.30	21.30				
3	64QAM	1	8	21.48	21.37	21.31	22.8	2		
3	64QAM	1	14	21.29	21.33	21.34				
3	64QAM	8	0	20.34	20.20	20.22				
3	64QAM	8	4	20.29	20.10	20.14	21.8	3		
3	64QAM	8	7	20.24	20.21	20.07				
3	64QAM	15	0	20.32	20.16	20.09				
Channel										
Frequency (MHz)				20407 <th>20525</th> <th>20643</th> <th>Turn-up lim (dBm)</th> <th>MPR (dB)</th> <th></th>	20525	20643	Turn-up lim (dBm)	MPR (dB)		
1.4	QPSK	1	0	23.81	23.75	23.66	24.8	0		
1.4	QPSK	1	3	23.78	23.74	23.67				
1.4	QPSK	1	5	23.75	23.74	23.70				
1.4	QPSK	3	0	23.77	23.72	23.66	23.8	1		
1.4	QPSK	3	1	23.80	23.72	23.70				
1.4	QPSK	3	3	23.79	23.72	23.72				
1.4	QPSK	6	0	22.28	22.21	22.17	23.8	1		
1.4	16QAM	1	0	22.65	22.51	22.36				
1.4	16QAM	1	3	22.50	22.51	22.42				
1.4	16QAM	1	5	22.50	22.51	22.41	23.8	1		
1.4	16QAM	3	0	22.27	22.20	22.13				
1.4	16QAM	3	1	22.28	22.22	22.19				
1.4	16QAM	3	3	22.27	22.18	22.17	22.8	2		
1.4	16QAM	6	0	21.34	21.28	21.27				
1.4	64QAM	1	0	21.48	21.40	21.35				
1.4	64QAM	1	3	21.40	21.40	21.34	22.8	2		
1.4	64QAM	1	5	21.45	21.42	21.34				
1.4	64QAM	3	0	21.40	21.32	21.28				
1.4	64QAM	3	1	21.38	21.29	21.29	21.8	3		
1.4	64QAM	3	3	21.38	21.33	21.29				
1.4	64QAM	6	0	20.24	20.19	20.18				

Band 5_Ant 1

Band 5_Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up lim (dB)	MRR (dB)			
Channel											
Frequency (MHz)				20450	20525	20600					
10	QPSK	1	0	20.78	20.80	20.84	21.6	0			
10	QPSK	1	25	20.68	20.78	20.79					
10	QPSK	1	49	20.76	20.83	20.80					
10	QPSK	25	0	20.76	20.77	20.74	21.6	0			
10	QPSK	25	12	20.72	20.70	20.66					
10	QPSK	25	25	20.72	20.71	20.72					
10	16QAM	1	0	20.63	20.76	20.69	21.6	0			
10	16QAM	1	25	20.69	20.77	20.65					
10	16QAM	1	49	20.68	20.72	20.68					
10	16QAM	25	0	20.65	20.81	20.69	21.6	0			
10	16QAM	25	12	20.72	20.84	20.68					
10	16QAM	25	25	20.74	20.84	20.69					
10	64QAM	1	0	20.71	20.77	20.69	21.6	0			
10	64QAM	1	0	20.75	20.83	20.78					
10	64QAM	1	25	20.74	20.78	20.77					
10	64QAM	1	49	20.68	20.73	20.72	21.6	0			
10	64QAM	25	0	20.31	20.18	20.20					
10	64QAM	25	12	20.30	20.22	20.16					
10	64QAM	25	25	20.23	20.26	20.16	21.6	0			
10	64QAM	50	0	20.31	20.22	20.17					
Channel											
Frequency (MHz)				20425	20525	20625	Turn-up lim (dB)	MRR (dB)			
				Box 5	Box 6	Box 5					
5	QPSK	1	0	20.66	20.70	20.67	21.6	0			
5	QPSK	1	12	20.59	20.72	20.69					
5	QPSK	1	24	20.70	20.71	20.60					
5	QPSK	12	0	20.72	20.76	20.63	21.6	0			
5	QPSK	12	7	20.65	20.59	20.63					
5	QPSK	12	13	20.68	20.60	20.60					
5	QPSK	25	0	20.62	20.68	20.65	21.6	0			
5	16QAM	1	0	20.53	20.66	20.55					
5	16QAM	1	12	20.60	20.75	20.69					
5	16QAM	1	24	20.63	20.64	20.54	21.6	0			
5	16QAM	12	0	20.64	20.74	20.67					
5	16QAM	12	7	20.67	20.73	20.56					
5	16QAM	12	13	20.63	20.83	20.50	21.6	0			
5	16QAM	25	0	20.61	20.73	20.58					
5	16QAM	25	12	20.76	20.78	20.65					
5	64QAM	1	12	20.63	20.64	20.74	21.6	0			
5	64QAM	1	24	20.56	20.72	20.65					
5	64QAM	12	0	20.50	20.12	20.56					
5	64QAM	12	7	20.54	20.14	20.54	21.6	0			
5	64QAM	12	13	20.16	20.15	20.06					
5	64QAM	25	0	20.24	20.08	20.08					
Channel											
Frequency (MHz)				20415.5	20515.5	20615.5	Turn-up lim (dB)	MRR (dB)			
3	QPSK	1	0	20.67	20.81	20.67	21.6	0			
3	QPSK	1	8	20.56	20.71	20.75					
3	QPSK	1	14	20.63	20.80	20.53					
3	QPSK	8	0	20.65	20.79	20.72	21.6	0			
3	QPSK	8	4	20.64	20.68	20.58					
3	QPSK	8	7	20.67	20.60	20.59					
3	16QAM	1	0	20.58	20.66	20.58	21.6	0			
3	16QAM	1	8	20.61	20.69	20.62					
3	16QAM	1	14	20.63	20.59	20.59					
3	16QAM	8	0	20.55	20.73	20.58	21.6	0			
3	16QAM	8	4	20.71	20.69	20.63					
3	16QAM	8	7	20.63	20.69	20.52					
3	64QAM	1	0	20.62	20.63	20.53	21.6	0			
3	64QAM	1	8	20.65	20.78	20.75					
3	64QAM	1	14	20.62	20.70	20.62					
3	64QAM	8	0	20.55	20.70	20.57	21.6	0			
3	64QAM	8	4	20.23	20.20	20.20					
3	64QAM	8	7	20.15	20.14	20.14					
3	64QAM	15	0	20.27	20.12	20.09	21.6	0			
Channel											
Frequency (MHz)				Box 7	Box 5	Box 3			Turn-up lim (dB)	MRR (dB)	
1.4	QPSK	1	0	20.67	20.80	20.71	21.6	0			
1.4	QPSK	1	3	20.63	20.67	20.64					
1.4	QPSK	1	6	20.74	20.72	20.72					
1.4	QPSK	3	0	20.66	20.72	20.69	21.6	0			
1.4	QPSK	3	1	20.59	20.72	20.78					
1.4	QPSK	3	2	20.78	20.77	20.77					
1.4	QPSK	6	0	20.72	20.72	20.71	21.6	0			
1.4	16QAM	1	0	20.63	20.57	20.53					
1.4	16QAM	1	3	20.71	20.68	20.63					
1.4	16QAM	3	0	20.67	20.67	20.67	21.6	0			
1.4	16QAM	3	0	20.49	20.61	20.60					
1.4	16QAM	3	3	20.66	20.66	20.50					
1.4	16QAM	3	5	20.63	20.67	20.63	21.6	0			
1.4	16QAM	6	0	20.70	20.76	20.71					
1.4	64QAM	1	0	20.59	20.73	20.61					
1.4	64QAM	1	3	20.68	20.78	20.58	21.6	0			
1.4	64QAM	1	6	20.73	20.73	20.73					
1.4	64QAM	3	0	20.62	20.74	20.57					
1.4	64QAM	3	1	20.72	20.68	20.78	21.6	0			
1.4	64QAM	3	3	20.63	20.66	20.63					
1.4	64QAM	3	5	20.51	20.62	20.50					



Band 26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Max Ch / Freq	Power Min Ch / Freq	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
821.5				831.5	841.5				
15	QPSK	1	0	23.67	23.68	23.63			
15	QPSK	1	37	23.64	23.64	23.79	24.8	0	
15	QPSK	1	74	23.62	23.76	23.71			
15	QPSK	36	0	22.92	22.87	22.80			
15	QPSK	36	20	22.80	22.81	22.78	23.8	1	
15	QPSK	36	39	22.80	22.82	22.72			
15	QPSK	75	0	22.78	22.86	22.77			
15	16QAM	1	0	23.12	23.03	23.08			
15	16QAM	1	37	23.10	23.10	23.04	23.8	1	
15	16QAM	1	74	23.06	23.01	22.96			
15	16QAM	36	0	21.83	21.81	21.77			
15	16QAM	36	20	21.85	21.83	21.77	22.8	2	
15	16QAM	36	39	21.78	21.82	21.74			
15	16QAM	75	0	21.86	21.83	21.78			
15	64QAM	1	0	21.59	21.84	22.00			
15	64QAM	1	37	22.03	21.88	21.90	22.8	2	
15	64QAM	1	74	21.86	21.89	21.85			
15	64QAM	36	0	20.85	20.83	20.79			
15	64QAM	36	20	20.87	20.85	20.78	21.8	3	
15	64QAM	36	39	20.83	20.83	20.76			
15	64QAM	75	0	20.83	20.83	20.76			
Channel									
Frequency (MHz)				26740	26865	26960	Turn-up limit (dBm)	MPR (dB)	
819				831.5	844				
10	QPSK	1	0	23.74	23.74	23.80			
10	QPSK	1	26	23.74	23.72	23.76	24.8	0	
10	QPSK	1	49	23.80	23.71	23.69			
10	QPSK	25	0	22.71	22.80	22.72			
10	QPSK	25	12	22.73	22.79	22.73	23.8	1	
10	QPSK	25	25	22.76	22.78	22.68			
10	QPSK	50	0	22.66	22.71	22.70			
10	16QAM	1	0	23.03	23.02	22.98			
10	16QAM	1	26	23.07	23.07	22.93	23.8	1	
10	16QAM	1	49	22.93	22.92	22.81			
10	16QAM	25	0	21.74	21.80	21.66			
10	16QAM	25	12	21.76	21.74	21.69	22.8	2	
10	16QAM	25	25	21.69	21.81	21.67			
10	16QAM	50	0	21.73	21.77	21.68			
10	64QAM	1	0	21.84	21.87	21.94			
10	64QAM	1	26	21.86	21.87	21.73	22.8	2	
10	64QAM	1	49	21.92	21.87	21.74			
10	64QAM	25	0	20.70	20.73	20.67			
10	64QAM	25	12	20.78	20.82	20.63	21.8	3	
10	64QAM	25	25	20.82	20.80	20.68			
10	64QAM	50	0	20.81	20.85	20.85			
Channel									
Frequency (MHz)				26715	26865	27015	Turn-up limit (dBm)	MPR (dB)	
816.5				831.5	846.5				
5	QPSK	1	0	23.84	23.79	23.80			
5	QPSK	1	12	23.83	23.73	23.73	24.8	0	
5	QPSK	1	24	23.76	23.68	23.66			
5	QPSK	12	0	22.79	22.79	22.72			
5	QPSK	12	12	22.76	22.78	22.68	23.8	1	
5	QPSK	12	24	22.79	22.72	22.70			
5	QPSK	25	0	22.67	22.81	22.73			
5	16QAM	1	0	23.08	22.94	22.93	23.8	1	
5	16QAM	1	12	22.99	23.06	23.02			
5	16QAM	1	24	22.96	22.83	22.91			
5	16QAM	12	0	21.82	21.77	21.62			
5	16QAM	12	12	21.76	21.81	21.73	22.8	2	
5	16QAM	12	24	21.66	21.79	21.61			
5	16QAM	25	0	21.73	21.69	21.71			
5	16QAM	25	12	21.81	21.80	21.91			
5	16QAM	25	24	21.69	21.85	21.62	22.8	2	
5	64QAM	1	0	21.87	21.74	21.78			
5	64QAM	12	0	20.76	20.76	20.64			
5	64QAM	12	12	20.75	20.78	20.68	21.8	3	
5	64QAM	12	24	20.73	20.74	20.68			
5	64QAM	25	0	20.81	20.69	20.69			
Channel									
Frequency (MHz)				26705	26865	27025	Turn-up limit (dBm)	MPR (dB)	
815.5				831.5	846.5				
3	QPSK	1	0	23.77	23.79	23.77			
3	QPSK	1	8	23.74	23.79	23.77	24.8	0	
3	QPSK	1	14	23.75	23.69	23.57			
3	QPSK	8	0	22.72	22.81	22.76			
3	QPSK	8	4	22.76	22.73	22.63	23.8	1	
3	QPSK	8	7	22.74	22.78	22.70			
3	QPSK	15	0	22.67	22.76	22.69			
3	16QAM	1	0	22.97	22.85	23.07			
3	16QAM	1	8	23.09	23.04	22.96	23.8	1	
3	16QAM	1	14	22.97	22.91	22.81			
3	16QAM	8	0	21.76	21.79	21.70			
3	16QAM	8	4	21.75	21.79	21.70	22.8	2	
3	16QAM	8	7	21.69	21.73	21.59			
3	16QAM	15	0	21.76	21.73	21.67			
3	64QAM	1	0	21.94	21.79	21.86			
3	64QAM	1	8	21.90	21.83	21.81	22.8	2	
3	64QAM	1	14	21.80	21.82	21.81			
3	64QAM	8	0	20.76	20.73	20.66			
3	64QAM	8	4	20.83	20.79	20.73	21.8	3	
3	64QAM	8	7	20.80	20.72	20.84			
3	64QAM	15	0	20.73	20.67	20.75			
Channel									
Frequency (MHz)				26697	26865	27033	Turn-up limit (dBm)	MPR (dB)	
814.7				831.5	846.3				
1.4	QPSK	1	0	23.86	23.80	23.85			
1.4	QPSK	1	3	23.82	23.78	23.65	24.8	0	
1.4	QPSK	1	5	23.86	23.80	23.71			
1.4	QPSK	3	0	23.84	23.77	23.70			
1.4	QPSK	3	1	23.85	23.78	23.67			
1.4	QPSK	3	3	23.84	23.75	23.70	23.8	1	
1.4	16QAM	1	0	23.06	23.05	22.93			
1.4	16QAM	1	3	23.06	23.00	22.94			
1.4	16QAM	1	5	23.09	23.04	22.91	23.8	1	
1.4	16QAM	3	0	22.80	22.75	22.69			
1.4	16QAM	3	1	22.80	22.73	22.66			
1.4	16QAM	3	3	22.84	22.74	22.70	22.8	2	
1.4	16QAM	6	0	21.86	21.86	21.76			
1.4	EQAM	1	0	21.97	21.96	21.88			
1.4	64QAM	1	3	21.96	21.91	21.85			
1.4	64QAM	1	5	22.01	21.99	21.81	22.8	2	
1.4	64QAM	3	0	21.96	21.86	21.79			
1.4	64QAM	3	1	21.93	21.87	21.79			
1.4	64QAM	3	3	21.92	21.86	21.79	21.8	3	

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [Freq]	Power Middle Ch [Freq]	Power High Ch [Freq]	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				26765	26865	26965			
821.5				831.5	841.5				
15	QPSK	1	0	23.68	23.62	23.66			
15	QPSK	1	37	23.73	23.64	23.81	21.6	0	
15	QPSK	1	74	23.76	23.77	23.82			
15	QPSK	36	0	22.95	23.00	22.99			
15	QPSK	36	20	22.78	22.86	22.72	21.6	0	
15	QPSK	36	39	22.85	22.84	22.81			
15	QPSK	75	0	22.80	22.82	22.78			
15	16QAM	1	0	23.81	23.87	23.77			
15	16QAM	1	37	23.76	23.62	23.77	21.6	0	
15	16QAM	1	74	23.77	23.87	23.81			
15	16QAM	36	0	23.74	23.79	23.77			
15	16QAM	36	20	23.74	23.80	23.83	21.6	0	
15	16QAM	36	39	23.73	23.77	23.73			
15	16QAM	75	0	23.82	23.91	23.83			
15	64QAM	1	0	23.84	23.84	23.74			
15	64QAM	1	37	23.74	23.83	23.84	21.6	0	
15	64QAM	1	74	23.81	23.91	23.79			
15	64QAM	36	0	20.85	20.86	20.81			
15	64QAM	36	20	20.87	20.83	20.78	21.6	0	
15	64QAM	36	39	20.82	20.91	20.80			
15	64QAM	75	0	20.74	20.83	20.77			
Channel									
Frequency (MHz)				26740	26865	26960	Turn-up limit (dBm)	MPR (dB)	
819				831.5	844				
10	QPSK	1	0	23.77	23.78	23.71			
10	QPSK	1	26	23.78	23.77	23.69	21.6	0	
10	QPSK	1	49	23.83	23.68	23.79			
10	QPSK	25	0	22.84	22.76	22.83			
10	QPSK	25	12	22.83	22.77	22.62	21.6	0	
10	QPSK	25	25	22.82	22.74	22.63			
10	QPSK	5	0	22.65	22.70	22.68			
10	16QAM	1	0	23.79	23.83	23.70			
10	16QAM	1	26	23.65	23.73	23.75	21.6	0	
10	16QAM	1	49	23.76	23.84	23.83			
10	16QAM	25	0	23.71	23.74	23.66			
10	16QAM	25	12	23.72	23.68	23.78	21.6	0	
10	16QAM	25	25	23.74	23.69	23.72			
10	16QAM	5	0	20.80	20.84	20.77			
10	64QAM	1	0	23.74	23.75	23.67			
10	64QAM	1	26	23.61	23.77	23.75	21.6	0	
10	64QAM	1	49	23.76	23.84	23.83			
10	64QAM	25	0	22.72	22.74	22.63			
10	64QAM	25	12	22.84	22.73	22.70	21.6	0	
10	64QAM	25	25	22.76	22.78	22.70			
10	64QAM	5	0	20.69	20.69	20.75			
Channel									
Frequency (MHz)				816.5 <th>831.5<th>846.5<th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	831.5 <th>846.5<th>Turn-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	846.5 <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.84	23.80	23.76			
5	QPSK	1	12	23.78	23.78	23.78	21.6	0	
5	QPSK	1	24	23.68	23.62	23.71			
5	QPSK	12	0	23.76	23.81	23.78			
5	QPSK	12	7	23.73	23.83	23.70	21.6	0	
5	QPSK	12	14	23.78	23.78	23.78			
5	QPSK	25	0	23.75	23.70	23.72			
5	16QAM	1	0	23.76	23.80	23.68			
5	16QAM	1	12	23.68	23.68	23.68	21.6	0	
5	16QAM	1	24	23.71	23.77	23.69			
5	16QAM	12	0	23.67	23.67	23.64			
5	16QAM	12	7	23.63	23.68	23.68	21.6	0	
5	16QAM	12	14	23.67	23.67	23.67			
5	16QAM	25	0	23.80	23.82	23.70			
5	64QAM	1	0	23.77	23.69	23.64			
5	64QAM	1	12	23.62	23.72	23.72	21.6	0	
5	64QAM	1	24	23.73	23.73	23.73			
5	64QAM	12	0	23.74	23.76	23.78			
5	64QAM	12	7	23.73	23.73	23.64	21.6	0	
5	64QAM	12	14	23.69	23.77	23.68			
5	64QAM	25	0	23.61	23.71	23.69			
Channel									
Frequency (MHz)				26705	26865 <th>26925</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	26925	Turn-up limit (dBm)	MPR (dB)	
815.5				831.5	847.5				
3	QPSK	1	0	23.76	23.88	23.72			
3	QPSK	1	14	23.81	23.81	23.74	21.6	0	
3	QPSK	8	0	23.79	23.80	23.71			
3	QPSK	8	4	23.77	23.81	23.64	21.6	0	
3	QPSK	8	7	23.63	23.70	23.73			
3	QPSK	15	0	23.76	23.81	23.70			
3	16QAM	1	0	23.69	23.74	23.63			
3	16QAM	1	8	23.69	23.81	23.61	21.6	0	
3	16QAM	1	14	23.78	23.74	23.69			
3	16QAM	8	0	23.71	23.74	23.68			
3	16QAM	8	4	23.65	23.68	23.72	21.6	0	
3	16QAM	8	7	23.64	23.64	23.64			
3	16QAM	15	0	23.75	23.84	23.74			
3	64QAM	1	0	23.80	23.81	23.61			
3	64QAM	1	8	23.63	23.72	23.73	21.6	0	
3	64QAM	1	14	23.79	23.79	23.77			
3	64QAM	8	0	23.83	23.74	23.74			
3	64QAM	8	4	23.84	23.80	23.68	21.6	0	
3	64QAM	15	0	23.81	23.85	23.74			
3	64QAM	15	8	23.69	23.82	23.69			
Channel									
Frequency (MHz)				26697	26865 <th>26923</th> <th>Turn-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	26923	Turn-up limit (dBm)	MPR (dB)	
814.7				831.5	848.3				
1.4	QPSK	1	0	23.81	23.81	23.78			
1.4	QPSK	1	3	23.78	23.74	23.74	21.6	0	
1.4	QPSK	1	5	23.66	23.71	23.70			
1.4	QPSK	3	0	23.75	23.77	23.75			
1.4	QPSK	3	1	23.68	23.75	23.62	21.6	0	
1.4	QPSK	3	2	23.67	23.80	23.67			
1.4	QPSK	6	0	23.66	23.80	23.69	21.6	0	
1.4	16QAM	1	0	23.68	23.73	23.64			
1.4	16QAM	1	3	23.71	23.73	23.74	21.6	0	
1.4	16QAM	1	5	23.69	23.75	23.75			
1.4	16QAM	3	0	23.63	23.67	23.77	21.6	0	
1.4	16QAM	3	1	23.65	23.77	23.70			
1.4	16QAM	3	2	23.67	23.77	23.77			
1.4	16QAM	6	0	23.73	23.80	23.81	21.6	0	
1.4	16QAM	1	0	23.69	23.63	23.73			
1.4	16QAM	1	3	23.71	23.62	23.73			
1.4	16QAM	1	5	23.69	23.73	23.73	21.6	0	
1.4	64QAM	1	0	23.80	23.73	23.67			
1.4	64QAM	1	3	23.85	23.69	23.73			
1.4	64QAM	1	5	23.69	23.82	23.77			
1.4	64QAM	3	0	23.71	23.71	23.71	21.6	0	

Full Power Mode

n2_Ant 4									
Sp (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power Hgt. Ch./Freq.	Tune-up Int. (dBm)	MPE	
Channel									
Frequency (MHz)				372000	374000	380000			
1500				1500	1500	1500			
20	QPSK	1	1	23.05	23.06	23.04			
Frequency (MHz)				23.05	23.12	23.12	24.2	0.0	
20	QPSK	1	54	23.05	23.12	23.08			
20	QPSK	50	0	21.89	22.03	21.89	23.2	1.0	
20	QPSK	50	36	23.15	23.15	23.15	24.2	0.0	
20	QPSK	50	56	22.00	22.06	22.02			
20	QPSK	100	0	21.85	22.04	21.86	23.2	1.0	
20	16QAM	1	1	21.86	21.78	21.75	23.2	1.0	
20	16QAM	1	1	20.24	20.20	20.24	21.7	2.5	
20	256QAM	1	1	18.76	18.86	18.81	19.7	4.5	
Channel									
Frequency (MHz)				371500	371000	361000	Tune-Up Int.	MPE	
1500				1500	1500	1500	MPE		
15	QPSK	1	1	22.96	22.97	22.95	24.2	0.0	
Frequency (MHz)				371000	370500	361000	Tune-Up Int.	MPE	
1500				1500	1500	1500	(dBm)	(dB)	
10	QPSK	1	1	22.96	23.05	22.98	24.2	0.0	
Channel									
Frequency (MHz)				370500	370000	361000	MPE		
1500				1500	1500	1500	MPE		
5	QPSK	1	1	22.85	22.96	22.93	24.2	0.0	

n2_Ant 3									
Sig (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power Hgt. Ch./Freq.	Tune-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				372000	376000	380000			
1500				1500	1500	1500			
20	QPSK	1	1	22.73	22.74	22.70			
Frequency (MHz)				22.73	22.78	22.77	23.7	0.0	
20	QPSK	1	43	22.73	22.78	22.74			
20	QPSK	1	104	22.80	22.86	22.86			
20	QPSK	50	0	21.89	21.71	21.60	22.7	1.0	
20	QPSK	50	36	22.71	22.76	22.70	23.7	0.0	
20	QPSK	50	56	21.82	21.72	21.61	22.7	1.0	
20	QPSK	100	0	21.82	21.68	21.65			
20	16QAM	1	1	21.43	21.46	21.37	22.7	1.0	
20	16QAM	1	1	19.82	19.85	19.88	21.2	2.5	
20	256QAM	1	1	18.46	18.52	18.45	18.2	4.5	
Channel									
Frequency (MHz)				371500	371000	361000	Tune-up Int.	MPE	
1500				1500	1500	1500	MPE		
15	QPSK	1	1	22.73	22.70	22.64	23.7	0.0	
Frequency (MHz)				371000	370500	361000	Tune-up Int.	MPE	
1500				1500	1500	1500	(dBm)	(dB)	
10	QPSK	1	1	22.69	22.71	22.66	23.7	0.0	
Channel									
Frequency (MHz)				370500	370000	361000	MPE		
1500				1500	1500	1500	MPE		
5	QPSK	1	1	22.67	22.71	22.69	23.7	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power Hgt. Ch./Freq.	Tune-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				168000	167500	167000			
500				500	500.5	500			
20	QPSK	1	1	23.21	23.26	23.19			
Frequency (MHz)				23.21	23.32	23.25	24.7	0.0	
20	QPSK	1	43	23.21	23.32	23.25			
20	QPSK	1	104	23.16	23.22	23.12			
20	QPSK	50	0	21.78	21.84	21.75	22.7	1.0	
20	QPSK	50	36	23.21	23.26	23.15	24.7	0.0	
20	QPSK	50	56	21.72	21.71	21.70	23.7	1.0	
20	QPSK	100	0	21.71	21.74	21.72			
20	16QAM	1	1	21.04	20.80	20.80	23.7	1.0	
20	16QAM	1	1	20.62	20.65	20.62	22.2	2.5	
20	256QAM	1	1	19.76	19.20	19.21	20.2	4.5	
Channel									
Frequency (MHz)				167500	167500	166500	Tune-up Int.	MPE	
500				500	500.5	500	MPE		
15	QPSK	1	1	23.15	23.24	23.11	24.7	0.0	
Channel									
Frequency (MHz)				167500	167500	166500	Tune-up Int.	MPE	
500				500	500.5	500	(dBm)	(dB)	
10	QPSK	1	1	23.09	23.21	23.19	24.7	0.0	
Channel									
Frequency (MHz)				167500	167500	166500	Tune-up Int.	MPE	
500				500.5	500.5	500.5	MPE		
5	QPSK	1	1	23.21	23.23	23.10	24.7	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power Hgt. Ch./Freq.	Tune-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				167000	167500	168000			
500				500	500.5	500			
20	QPSK	1	1	23.10	23.19	23.17			
Frequency (MHz)				23.10	23.25	23.20	24.4	0.0	
20	QPSK	1	53	23.10	23.25	23.20			
20	QPSK	1	104	23.04	23.14	23.04			
20	QPSK	50	0	21.45	21.49	21.47	23.4	1.0	
20	QPSK	50	36	23.15	23.22	23.10	24.4	1.0	
20	QPSK	50	56	21.41	21.42	21.42	23.4	1.0	
20	QPSK	100	0	21.40	21.43	21.41			
20	16QAM	1	1	21.06	21.00	21.07	23.4	1.0	
20	16QAM	1	1	20.48	20.54	20.49	21.3	2.5	
20	256QAM	1	1	19.15	19.10	19.20	19.0	4.5	
Channel									
Frequency (MHz)				167500	167500	166500	Tune-up Int.	MPE	
500				500	500.5	500	MPE		
15	QPSK	1	1	23.14	23.16	23.19	24.4	0.0	
Channel									
Frequency (MHz)				167500	167500	166500	Tune-up Int.	MPE	
500				500	500.5	500	(dBm)	(dB)	
10	QPSK	1	1	23.12	23.22	23.19	24.4	0.0	
Channel									
Frequency (MHz)				167500	167500	166500	Tune-up Int.	MPE	
500				500.5	500.5	500.5	MPE		
5	QPSK	1	1	23.09	23.22	23.16	24.4	0.0	

n7_Ant 4									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Time-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.00	23.00	23.01			
50	QPSK	1	1	23.00	23.00	23.01			
50	QPSK	1	155	23.10	23.00	23.11	24.2	0.0	
50	QPSK	1	355	23.15	23.07	23.16			
50	QPSK	155	0	20.50	20.02	20.50	21.7	2.5	
50	QPSK	155	55	23.00	23.10	23.00	24.2	0.0	
50	QPSK	155	155	20.50	20.00	20.54	21.7	2.5	
50	QPSK	275	0	20.50	20.01	20.50			
50	QPSK	275	0	21.75	21.70	21.75	23.0	1.0	
50	16QAM	1	1	20.50	20.00	20.50	21.7	2.5	
50	16QAM	1	1	18.40	18.00	18.80	19.7	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.01	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.00	22.01	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.01	22.00	22.00	24.0	0.0	

n7_Ant 3									
RF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Time-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.07	22.00	22.04			
50	QPSK	1	155	22.00	22.04	22.00	23.0	0.0	
50	QPSK	1	355	22.00	22.00	22.00			
50	QPSK	155	0	19.04	20.04	20.01	21.0	2.5	
50	QPSK	155	55	22.00	22.00	22.00	23.0	0.0	
50	QPSK	275	0	18.00	18.00	18.00			
50	16QAM	1	1	21.04	21.07	21.00	22.0	1.0	
50	16QAM	1	1	18.70	18.70	18.70	21.0	2.5	
50	16QAM	1	1	16.70	16.70	16.70	18.0	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	

n7_Ant 1									
RF (MHz)	Modulation	RB Size	RB Offset	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Power Margin Ch./Freq.	Time-up Int. (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.12	22.10	22.13			
50	QPSK	1	155	22.00	22.20	22.00	23.0	0.0	
50	QPSK	1	355	22.07	22.07	22.00			
50	QPSK	155	0	19.01	19.07	19.00	20.0	2.5	
50	QPSK	155	55	22.00	22.10	22.00	23.0	0.0	
50	QPSK	155	155	18.04	19.04	18.07	20.0	2.5	
50	QPSK	275	0	18.00	18.00	18.04			
50	16QAM	1	1	20.00	20.00	20.00	20.0	1.0	
50	16QAM	1	1	18.41	18.44	18.27	18.0	2.5	
50	16QAM	1	1	16.00	16.00	16.00	16.0	4.5	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.00	22.00	22.00	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.12	22.21	22.14	23.0	0.0	

n26_Ant 0									
RF (MHz)	Modulation	RB Size	RB Offset	Power Ch./Freq.	Power Margin Ch./Freq.	Power Low Ch./Freq.	Power High Ch./Freq.	Time-up Int. (dBm)	Gain (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.20	23.34	23.24			
20	QPSK	1	55	23.40	23.40	23.40	24.7	0.0	
20	QPSK	1	104	23.20	23.30	23.20			
20	QPSK	55	0	22.34	22.41	22.30	23.7	1.0	
20	QPSK	55	26	23.10	23.40	23.10	24.7	1.0	
20	QPSK	55	56	22.34	22.41	22.30			
20	QPSK	100	0	22.33	22.30	22.30	23.7	1.0	
20	16QAM	1	1	22.00	22.10	22.04	23.7	1.0	
20	16QAM	1	1	20.00	20.00	20.00	22.2	2.5	
20	16QAM	1	1	18.07	18.00	18.00	20.0	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.34	23.35	23.35	0.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.20	23.30	23.24	0.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.22	23.30	23.24	0.0	0.0	

n26_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Time-up time (min)
Channel				164550	165000	165450	
Frequency (MHz)				9.4	95.5	95.6	
20	QPSK	1	1	23.25	23.34	23.32	
20	QPSK	1	1	23.35	23.40	23.38	24.5
20	QPSK	1	104	23.35	23.29	23.31	
20	QPSK	50	5	23.28	23.35	23.40	23.5
20	QPSK	50	28	23.27	23.37	23.35	24.5
20	QPSK	50	56	23.25	23.33	23.32	
20	QPSK	100	0	22.34	22.40	22.38	23.5
20	16QAM	1	1	22.31	22.34	22.32	23.5
20	16QAM	1	1	22.01	22.09	22.05	22.0
20	256QAM	1	1	19.30	19.37	19.35	20.0
Channel				164350	165000	165000	
Frequency (MHz)				12.13	121.5	121.4	
15	QPSK	1	1	23.25	23.31	23.30	0.0
Channel				163850	165000	165000	
Frequency (MHz)				9.5	95.5	95.6	
10	QPSK	1	1	23.29	23.30	23.30	0.0
Channel				163350	165000	165000	
Frequency (MHz)				93.5	93.5	93.5	
5	QPSK	1	1	23.34	23.32	23.28	0.0

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 (min)
Channel				345000	345000	350000	
Frequency (MHz)				17.00	17.60	17.60	
40	QPSK	1	1	23.03	23.02	22.97	
40	QPSK	1	104	23.00	23.12	23.08	24.4
40	QPSK	1	214	23.00	23.01	22.95	
40	QPSK	108	5	21.40	21.43	21.41	23.4
40	QPSK	108	54	21.37	21.07	21.21	24.4
40	QPSK	108	108	21.42	21.43	21.41	23.4
40	QPSK	216	0	21.40	21.44	21.40	23.4
40	16QAM	1	1	21.35	21.30	21.31	23.4
40	16QAM	1	1	20.41	20.42	20.32	21.9
40	256QAM	1	1	19.01	19.02	18.97	19.0
Channel				343000	345000	350000	
Frequency (MHz)				17.2	17.40	17.4	
30	QPSK	1	1	23.00	23.00	23.00	0.0
Channel				345000	345000	350000	
Frequency (MHz)				172.5	17.60	17.60	
25	QPSK	1	1	23.03	23.02	23.07	24.4
Channel				345000	345000	350000	
Frequency (MHz)				17.00	17.60	17.60	
20	QPSK	1	1	23.04	23.11	23.04	24.4
Channel				343000	345000	350000	
Frequency (MHz)				1717.5	17.60	17.60	
15	QPSK	1	1	23.00	23.00	23.00	24.4
Channel				343000	345000	350000	
Frequency (MHz)				1715	17.60	17.60	
10	QPSK	1	1	23.07	23.10	23.03	24.4
Channel				342000	345000	350000	
Frequency (MHz)				1717.5	17.60	17.60	
5	QPSK	1	1	23.10	23.10	23.10	24.4

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 (min)
Channel				345000	345000	350000	
Frequency (MHz)				17.00	17.60	17.60	
40	QPSK	1	1	22.74	22.83	22.79	
40	QPSK	1	104	22.70	22.85	22.80	23.9
40	QPSK	1	214	22.70	22.75	22.70	
40	QPSK	108	5	20.91	20.94	20.90	22.9
40	QPSK	108	54	20.91	20.90	20.91	23.9
40	QPSK	108	108	20.92	20.93	20.92	22.9
40	QPSK	216	0	20.92	21.04	20.98	22.9
40	16QAM	1	1	21.05	21.06	21.09	22.9
40	16QAM	1	1	20.18	20.19	20.10	21.4
40	256QAM	1	1	18.81	18.92	18.79	18.4
Channel				343000	345000	350000	
Frequency (MHz)				17.2	17.60	17.60	
30	QPSK	1	1	22.88	22.75	22.79	23.9
Channel				345000	345000	350000	
Frequency (MHz)				172.5	17.60	17.60	
25	QPSK	1	1	22.85	22.77	22.79	23.9
Channel				345000	345000	350000	
Frequency (MHz)				17.00	17.60	17.60	
20	QPSK	1	1	22.86	22.78	22.80	23.9
Channel				343000	345000	350000	
Frequency (MHz)				1717.5	17.60	17.60	
15	QPSK	1	1	22.71	22.74	22.76	23.9
Channel				343000	345000	350000	
Frequency (MHz)				1715	17.60	17.60	
10	QPSK	1	1	22.78	22.81	22.75	23.9
Channel				342000	345000	350000	
Frequency (MHz)				1717.5	17.60	17.60	
5	QPSK	1	1	22.73	22.77	22.75	23.9

n66_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	Time-up time (min)
Channel				345000	345000	350000	
Frequency (MHz)				17.00	17.60	17.60	
40	QPSK	1	1	22.13	22.18	22.14	
40	QPSK	1	104	22.10	22.21	22.15	23.2
40	QPSK	1	214	22.10	22.08	22.08	
40	QPSK	108	5	20.23	20.27	20.21	22.2
40	QPSK	108	54	20.23	20.15	20.25	23.2
40	QPSK	108	108	20.21	20.24	20.24	22.2
40	QPSK	216	0	20.23	20.25	20.27	22.2
40	16QAM	1	1	20.30	20.32	20.31	22.2
40	16QAM	1	1	19.37	19.42	19.38	20.7
40	256QAM	1	1	17.87	18.00	18.01	18.7
Channel				343000	345000	350000	
Frequency (MHz)				17.2	17.60	17.60	
30	QPSK	1	1	22.16	22.13	22.14	23.2
Channel				345000	345000	350000	
Frequency (MHz)				172.5	17.60	17.60	
25	QPSK	1	1	22.12	22.14	22.12	23.2
Channel				345000	345000	350000	
Frequency (MHz)				17.00	17.60	17.60	
20	QPSK	1	1	22.15	22.10	22.08	23.2
Channel				343000	345000	350000	
Frequency (MHz)				1717.5	17.60	17.60	
15	QPSK	1	1	22.14	22.14	22.08	23.2
Channel				343000	345000	350000	
Frequency (MHz)				1715	17.60	17.60	
10	QPSK	1	1	22.13	22.20	22.18	23.2
Channel				342000	345000	350000	
Frequency (MHz)				1717.5	17.60	17.60	
5	QPSK	1	1	22.17	22.12	22.10	23.2

n38_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				518004	519000	519996	24.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	23.59	23.62	23.52		
40	QPSK	1	63	23.67	23.69	23.65		
40	QPSK	1	104	23.51	23.54	23.44	24.7	0.0
40	QPSK	50	0	22.47	22.56	22.48		
40	QPSK	50	28	23.63	23.65	23.67		
40	QPSK	50	56	22.42	22.46	22.42		
40	QPSK	100	0	22.42	22.50	22.45	23.7	1.0
40	16QAM	1	1	22.30	22.36	22.30	23.7	1.0
40	64QAM	1	1	20.78	20.85	20.78	22.5	2.5
40	256QAM	1	1	18.40	18.47	18.42	20.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.58	23.60	23.49	24.7	0.0
Channel				510504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	23.50	23.54	23.43	24.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.53	23.56	23.45	24.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	23.48	23.54	23.49	24.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	23.51	23.53	23.45	24.7	0.0

n38_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				518004	519000	519996	24.2	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.87	22.93	22.88		
40	QPSK	1	63	22.95	23.08	23.05		
40	QPSK	1	104	22.84	22.88	22.81	24.2	0.0
40	QPSK	50	0	21.80	21.84	21.77		
40	QPSK	50	28	22.75	22.85	22.84		
40	QPSK	50	56	21.74	21.80	21.79		
40	QPSK	100	0	21.72	21.73	21.67	23.2	1.0
40	16QAM	1	1	21.60	21.62	21.52	23.2	1.0
40	64QAM	1	1	20.06	20.13	20.06	21.7	2.5
40	256QAM	1	1	18.65	18.70	18.67	19.7	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.85	23.00	22.98	24.2	0.0
Channel				510504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.89	23.07	22.93	24.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.95	23.07	22.94	24.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.85	22.97	22.88	24.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.95	23.00	23.01	24.2	0.0

n38_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				518004	519000	519996	23.8	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.55	22.58	22.48		
40	QPSK	1	63	22.61	22.69	22.63		
40	QPSK	1	104	22.41	22.48	22.41	23.8	0.0
40	QPSK	50	0	21.42	21.52	21.50		
40	QPSK	50	28	22.34	22.42	22.38		
40	QPSK	50	56	21.33	21.41	21.34		
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0
40	16QAM	1	1	21.25	21.30	21.25	22.8	1.0
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5
40	256QAM	1	1	18.34	18.40	18.35	19.3	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0
Channel				510504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	22.60	22.64	22.54	23.8	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.56	22.64	22.59	23.8	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.55	22.60	22.59	23.8	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0

FCC_n41_Ant 4									
RF (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				506202	518598	528000	24.7	0.0	
Frequency (MHz)				2546.01	2562.99	2640			
100	QPSK	1	1	23.55	23.60	23.52			
100	QPSK	1	137	23.56	23.71	23.57	24.7	0.0	
100	QPSK	1	271	23.54	23.55	23.51			
100	QPSK	135	0	21.09	21.11	21.04			
100	QPSK	135	69	23.55	23.65	23.60	24.7	0.0	
100	QPSK	135	138	20.93	20.95	20.87			
100	QPSK	270	0	20.83	20.92	20.87			
100	16QAM	1	1	22.31	22.35	22.25	24.7	1.0	
100	64QAM	1	1	20.78	20.87	20.77			
100	256QAM	1	1	18.44	18.48	18.42			
Channel				506200	518598	528000	24.7	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	23.65	23.67	23.59			
Channel				507204	518598	528000	24.7	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99			
80	QPSK	1	1	23.64	23.67	23.60			
Channel				505200	518598	531996	24.7	MPR (dB)	
Frequency (MHz)				2524	2562.99	2659.98			
60	QPSK	1	1	23.65	23.65	23.65			
Channel				504204	518598	532998	24.7	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	23.58	23.66	23.65			
Channel				503202	518598	533000	24.7	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	23.66	23.62	23.66			
Channel				502200	518598	534000	24.7	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	23.61	23.67	23.57			
Channel				501204	518598	535998	24.7	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	23.59	23.63	23.61			
Channel				500700	518598	536496	24.7	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	23.58	23.68	23.59			
Channel				500202	518598	537000	24.7	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	23.58	23.65	23.61			

FCC_n41_Ant 3									
RF (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				506202	518598	528000	24.2	0.0	
Frequency (MHz)				2546.01	2562.99	2640			
100	QPSK	1	1	22.93	22.98	22.85			
100	QPSK	1	137	23.00	23.12	23.07	24.2	0.0	
100	QPSK	1	271	23.00	23.03	22.95			
100	QPSK	135	0	20.38	20.45	20.41			
100	QPSK	135	69	22.85	22.94	22.85	24.2	0.0	
100	QPSK	135	138	20.22	20.31	20.25			
100	QPSK	270	0	20.23	20.28	20.23			
100	16QAM	1	1	21.70	21.71	21.66	24.2	1.0	
100	64QAM	1	1	20.15	20.25	20.22			
100	256QAM	1	1	18.70	18.83	18.78			
Channel				506200	518598	528000	24.2	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	22.99	23.10	22.94			
Channel				507204	518598	528000	24.2	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99			
80	QPSK	1	1	23.00	23.08	22.96			
Channel				505200	518598	531996	24.2	MPR (dB)	
Frequency (MHz)				2524	2562.99	2659.98			
60	QPSK	1	1	23.07	23.05	23.01			
Channel				504204	518598	532998	24.2	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	23.06	23.05	22.83			
Channel				503202	518598	533000	24.2	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	23.05	23.10	22.97			
Channel				502200	518598	534000	24.2	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	23.03	23.04	23.00			
Channel				501204	518598	535998	24.2	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	23.00	23.07	23.01			
Channel				500700	518598	536496	24.2	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	23.03	23.07	22.93			
Channel				500202	518598	537000	24.2	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	23.07	23.03	23.01			

FCC_n41_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				506202	518598	528000	24.0	0.0		
Frequency (MHz)				2546.01	2562.99	2640				
100	QPSK	1	1	22.52	22.60	22.58				
100	QPSK	1	137	22.60	22.70	22.68	24.0	0.0		
100	QPSK	1	271	22.48	22.54	22.50				
100	QPSK	135	0	20.05	20.08	20.01				
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0		
100	QPSK	135	138	19.80	19.85	19.83				
100	QPSK	270	0	19.88	19.88	19.78				
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0		
100	64QAM	1	1	19.80	19.87	19.81				2.5
100	256QAM	1	1	18.44	18.47	18.41				
Channel				506200	518598	528000	24.0	MPR (db)		
Frequency (MHz)				2541	2562.99	2644.98				
90	QPSK	1	1	22.65	22.66	22.65				
Channel				507204	518598	528000	24.0	MPR (db)		
Frequency (MHz)				2536.02	2562.99	2649.99				
80	QPSK	1	1	22.68	22.63	22.67				
Channel				505200	518598	531996	24.0	MPR (db)		
Frequency (MHz)				2524	2562.99	2659.98				
60	QPSK	1	1	22.64	22.64	22.59				
Channel				504204	518598	532998	24.0	MPR (db)		
Frequency (MHz)				2521.02	2562.99	2664.99				
50	QPSK	1	1	22.60	22.62	22.64				
Channel				503202	518598	533000	24.0	MPR (db)		
Frequency (MHz)				2516.01	2562.99	2670				
40	QPSK	1	1	22.66	22.64	22.62				
Channel				502200	518598	534000	24.0	MPR (db)		
Frequency (MHz)				2511	2562.99	2674.98				
30	QPSK	1	1	22.59	22.60	22.60				
Channel				501204	518598	535998	24.0	MPR (db)		
Frequency (MHz)				2506.02	2562.99	2679.99				
20	QPSK	1	1	22.60	22.63	22.64				
Channel				500700	522000	536496	24.0	MPR (db)		
Frequency (MHz)				2503.5	2562.99	2682.48				
15	QPSK	1	1	22.67	22.66	22.61				
Channel				500200	518598	537000	24.0	MPR (db)		
Frequency (MHz)				2501.03	2562.99	2685				
10	QPSK	1	1	22.63	22.65	22.62				

Reduced Power Mode for ECI3

n2_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.00	23.00	23.04	24.2
20	QPSK	1	53	23.10	23.17	23.12	24.2
20	QPSK	1	104	23.05	23.12	23.08	24.2
20	QPSK	50	0	21.50	22.03	21.50	23.2
20	QPSK	50	26	21.50	22.03	21.50	23.2
20	QPSK	50	56	21.50	22.03	21.50	23.2
20	QPSK	100	0	21.50	22.04	21.50	23.2
20	ISQAM	1	1	21.60	21.78	21.70	23.2
20	ISQAM	1	1	20.24	20.30	20.24	21.7
20	ISQAM	1	1	19.76	19.80	19.80	21.7
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.00	22.00	22.00	24.2
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.00	22.00	22.00	24.2
Channel							
Frequency (MHz)							
5	QPSK	1	1	22.00	22.00	22.00	24.2

n2_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	1	21.61	21.68	21.63	22.7
20	QPSK	1	53	21.22	21.60	21.22	22.7
20	QPSK	1	104	21.60	21.60	21.60	22.7
20	QPSK	50	0	21.60	21.71	21.60	22.7
20	QPSK	50	26	21.60	21.71	21.60	22.7
20	QPSK	50	56	21.60	21.71	21.60	22.7
20	QPSK	100	0	21.60	21.68	21.60	22.7
20	ISQAM	1	1	21.40	21.48	21.37	22.7
20	ISQAM	1	1	19.80	19.80	19.80	21.2
20	ISQAM	1	1	18.40	18.40	18.40	19.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	21.57	21.70	21.60	22.7
Channel							
Frequency (MHz)							
10	QPSK	1	1	21.50	21.67	21.67	22.7
Channel							
Frequency (MHz)							
5	QPSK	1	1	21.67	21.69	21.70	22.7

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.01	23.30	23.10	24.7
20	QPSK	1	53	23.20	23.32	23.20	24.7
20	QPSK	1	104	23.10	23.22	23.10	24.7
20	QPSK	50	0	21.70	21.84	21.70	23.7
20	QPSK	50	26	21.70	21.84	21.70	23.7
20	QPSK	50	56	21.70	21.84	21.70	23.7
20	QPSK	100	0	21.71	21.74	21.70	23.7
20	ISQAM	1	1	21.04	21.00	21.00	23.7
20	ISQAM	1	1	20.60	20.60	20.60	22.2
20	ISQAM	1	1	19.70	19.70	19.70	20.2
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.10	23.24	23.10	24.7
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.00	23.21	23.10	24.7
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.21	23.23	23.10	24.7

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.10	23.10	23.17	24.4
20	QPSK	1	53	23.20	23.20	23.20	24.4
20	QPSK	1	104	23.04	23.14	23.04	23.4
20	QPSK	50	0	21.40	21.40	21.47	23.4
20	QPSK	50	26	21.40	21.40	21.40	23.4
20	QPSK	50	56	21.40	21.40	21.40	23.4
20	QPSK	100	0	21.40	21.40	21.40	23.4
20	ISQAM	1	1	21.00	21.00	21.07	23.4
20	ISQAM	1	1	20.40	20.40	20.40	21.9
20	ISQAM	1	1	19.10	19.10	19.10	19.9
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.14	23.10	23.10	24.4
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.10	23.20	23.10	24.4
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.00	23.20	23.10	24.4

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Main Ch [Freq]	Power Low Ch [Freq]	Power High Ch [Freq]	Tune-up Int. (dBm)	MFR (dB)	
Channel									
				50500	50700	50900			
Frequency (MHz)									
50	QPSK	1	1	22.55	22.57	22.60			
50	QPSK	1	135	22.65	22.75	22.85	23.7	0.0	
50	QPSK	1	265	22.55	22.59	22.57			
50	QPSK	135	0	20.58	20.62	20.59	21.7	0.0	
50	QPSK	135	6	19.54	19.58	19.57			
50	QPSK	135	135	20.55	20.59	20.54	21.7	0.0	
50	QPSK	270	0	20.52	20.57	20.56	21.7	0.0	
50	8QAM	1	1	21.75	21.79	21.76	23.0	0.5	
50	8QAM	1	1	20.52	20.59	20.56	21.7	0.0	
50	256QAM	1	1	18.40	18.54	18.48	19.7	4.0	
Channel									
				50500	50700	51000			
Frequency (MHz)									
40	QPSK	1	1	22.50	22.59	22.62	23.7	0.0	
Channel									
				50200	50700	51100	Tune-up Int.	MFR	
Frequency (MHz)									
30	QPSK	1	1	22.55	22.59	22.66	23.7	0.0	
Channel									
				50200	50700	51100	Tune-up Int.	MFR	
Frequency (MHz)									
20	QPSK	1	1	22.64	22.69	22.68	23.7	0.0	
Channel									
				50200	50700	51100	Tune-up Int.	MFR	
Frequency (MHz)									
20	QPSK	1	1	22.58	22.62	22.66	23.7	0.0	
Channel									
				50500	50700	51100	Tune-up Int.	MFR	
Frequency (MHz)									
10	QPSK	1	1	22.60	22.69	22.68	23.7	0.0	
Channel									
				50500	50700	51100	Tune-up Int.	MFR	
Frequency (MHz)									
5	QPSK	1	1	22.53	22.59	22.64	23.7	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MFR (dB)	
Channel									
				505000	507000	509000			
Frequency [MHz]									
50	QPSK	1	1	21.51	21.58	21.55			
50	QPSK	1	135	21.65	21.68	21.63	22.5	0.0	
50	QPSK	1	265	21.55	21.59	21.57			
50	QPSK	135	0	19.04	19.04	19.07	21.0	1.5	
50	QPSK	135	6	18.59	18.59	18.55			
50	QPSK	135	135	19.59	19.52	19.55	21.0	1.5	
50	QPSK	270	0	19.55	19.59	19.55			
50	8QAM	1	1	21.24	21.27	21.25	22.5	0.0	
50	8QAM	1	1	19.75	19.79	19.72	21.0	1.5	
50	256QAM	1	1	18.32	18.37	18.34	19.0	2.5	
Channel									
				505000	507000	509000	Tune-up Int.	MFR	
Frequency [MHz]									
40	QPSK	1	1	21.52	21.53	21.53	22.5	0.0	
Channel									
				503000	507000	511000	Tune-up Int.	MFR	
Frequency [MHz]									
30	QPSK	1	1	21.45	21.60	21.55	22.5	0.0	
Channel									
				502000	507000	511000	Tune-up Int.	MFR	
Frequency [MHz]									
20	QPSK	1	1	21.59	21.63	21.54	22.5	0.0	
Channel									
				502000	507000	511000	Tune-up Int.	MFR	
Frequency [MHz]									
20	QPSK	1	1	21.48	21.61	21.51	22.5	0.0	
Channel									
				501000	507000	511000	Tune-up Int.	MFR	
Frequency [MHz]									
10	QPSK	1	1	21.55	21.63	21.55	22.5	0.0	
Channel									
				500000	507000	511000	Tune-up Int.	MFR	
Frequency [MHz]									
5	QPSK	1	1	21.50	21.63	21.55	22.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MFR (dB)	
Channel									
				505000	507000	509000			
Frequency (MHz)									
50	QPSK	1	1	22.12	22.15	22.13			
50	QPSK	1	135	22.20	22.23	22.22	23.0	0.0	
50	QPSK	1	265	22.07	22.07	22.06			
50	QPSK	135	0	19.61	19.67	19.65	20.5	2.5	
50	QPSK	135	6	19.54	19.64	19.57			
50	QPSK	135	135	19.54	19.64	19.57	20.5	2.5	
50	QPSK	270	0	19.53	19.63	19.54			
50	8QAM	1	1	20.09	20.02	20.05	22.0	1.0	
50	8QAM	1	1	19.41	19.48	19.37	20.5	2.5	
50	256QAM	1	1	16.28	16.49	16.38	18.5	4.5	
Channel									
				505000	507000	509000	Tune-up Int.	MFR	
Frequency (MHz)									
40	QPSK	1	1	22.20	22.22	22.21	23.0	0.0	
Channel									
				503000	507000	511000	Tune-up Int.	MFR	
Frequency (MHz)									
30	QPSK	1	1	22.20	22.23	22.20	23.0	0.0	
Channel									
				502000	507000	511000	Tune-up Int.	MFR	
Frequency (MHz)									
20	QPSK	1	1	22.15	22.18	22.19	23.0	0.0	
Channel									
				502000	507000	511000	Tune-up Int.	MFR	
Frequency (MHz)									
20	QPSK	1	1	22.20	22.19	22.11	23.0	0.0	
Channel									
				501000	507000	511000	Tune-up Int.	MFR	
Frequency (MHz)									
10	QPSK	1	1	22.21	22.22	22.18	23.0	0.0	
Channel									
				500000	507000	511000	Tune-up Int.	MFR	
Frequency (MHz)									
5	QPSK	1	1	22.12	22.21	22.14	23.0	0.0	

n26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up Int. (dBm)	MFR (dB)	
Channel									
				164800	166300	167800			
Frequency (MHz)									
20	QPSK	1	1	23.25	23.34	23.24			
20	QPSK	1	53	23.40	23.45	23.47	24.7	0.0	
20	QPSK	1	104	23.20	23.30	23.22			
20	QPSK	50	23	23.25	23.34	23.24	23.7	0.0	
20	QPSK	50	28	23.24	23.40	23.30	23.7	0.0	
20	QPSK	50	36	23.34	23.41	23.28	23.7	0.0	
20	QPSK	50	43	23.33	23.38	23.29			
20	16QAM	1	1	22.98	22.70	22.68	23.7	1.0	
20	16QAM	1	2	22.98	22.69	22.67			
20	16QAM	1	3	22.97	22.59	22.55	23.2	0.5	
Channel									
				164300	165300	166300	Tune-up Int.	MFR	
Frequency (MHz)									
15	QPSK	1	1	23.24	23.31	23.20	0.0	0.0	
Channel									
				163800	165300	166800	Tune-up Int.	MFR	
Frequency (MHz)									
10	QPSK	1	1	23.20	23.31	23.20	0.0	0.0	
Channel									
				163300	165300	167300	Tune-up Int.	MFR	
Frequency (MHz)									
5	QPSK	1	1	23.22	23.32	23.20	0.0	0.0	

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (min)
Channel				344000	349000	352000	
Frequency [MHz]							
26	QPSK	1	1	23.23	23.34	23.32	24.5
26	QPSK	1	53	23.23	23.40	23.32	0.0
26	QPSK	1	104	23.19	23.29	23.16	0.0
26	QPSK	50	0	22.39	22.32	22.40	23.5
26	QPSK	50	25	22.35	22.30	22.35	24.5
26	QPSK	50	56	22.35	22.38	22.32	24.5
26	QPSK	100	0	22.34	22.40	22.38	23.5
26	16QAM	1	1	22.11	22.14	22.12	23.5
26	16QAM	1	1	20.01	20.09	20.00	22.9
26	16QAM	1	1	19.30	19.31	19.29	20.0
Channel				345000	349000	353000	
Frequency [MHz]							
15	QPSK	1	1	23.23	23.31	23.30	0.0
Channel				345000	349000	353000	
Frequency [MHz]							
10	QPSK	1	1	23.23	23.38	23.32	0.0
Channel				345000	349000	353000	
Frequency [MHz]							
5	QPSK	1	1	23.34	23.32	23.30	0.0

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (min)
Channel				346000	349000	352000	
Frequency [MHz]							
40	QPSK	1	1	23.03	23.05	23.07	24.4
40	QPSK	1	108	23.05	23.12	23.09	0.0
40	QPSK	1	214	23.00	23.03	23.06	0.0
40	QPSK	108	0	21.40	21.43	21.41	23.4
40	QPSK	108	54	21.40	21.47	21.43	24.4
40	QPSK	108	108	21.42	21.43	21.41	23.4
40	QPSK	216	0	21.40	21.44	21.40	23.4
40	16QAM	1	1	21.75	21.80	21.74	23.4
40	16QAM	1	1	20.41	20.42	20.32	21.9
40	16QAM	1	1	19.01	19.00	18.97	19.9
Channel				345000	349000	353000	
Frequency [MHz]							
30	QPSK	1	1	23.00	23.02	23.05	24.4
Channel				345000	349000	353000	
Frequency [MHz]							
25	QPSK	1	1	23.03	23.02	23.07	24.4
Channel				344000	349000	354000	
Frequency [MHz]							
20	QPSK	1	1	23.04	23.11	23.04	24.4
Channel				345000	349000	355000	
Frequency [MHz]							
15	QPSK	1	1	23.05	23.08	23.05	24.4
Channel				345000	349000	355000	
Frequency [MHz]							
10	QPSK	1	1	23.07	23.10	23.03	24.4
Channel				345000	349000	355000	
Frequency [MHz]							
5	QPSK	1	1	23.10	23.05	23.10	24.4

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (min)
Channel				346000	349000	352000	
Frequency [MHz]							
40	QPSK	1	1	22.74	22.83	22.79	23.9
40	QPSK	1	108	22.80	22.85	22.80	23.9
40	QPSK	1	214	22.70	22.75	22.70	22.9
40	QPSK	108	0	20.91	20.94	20.93	22.9
40	QPSK	108	54	20.90	20.93	20.92	22.9
40	QPSK	108	108	20.92	20.93	20.92	22.9
40	QPSK	216	0	20.90	21.04	20.98	22.9
40	16QAM	1	1	21.05	21.08	21.08	22.9
40	16QAM	1	1	20.18	20.19	20.15	21.4
40	16QAM	1	1	18.81	18.80	18.75	19.4
Channel				345000	349000	353000	
Frequency [MHz]							
30	QPSK	1	1	22.68	22.75	22.76	23.9
Channel				345000	349000	353000	
Frequency [MHz]							
25	QPSK	1	1	22.68	22.77	22.76	23.9
Channel				345000	349000	354000	
Frequency [MHz]							
20	QPSK	1	1	22.68	22.76	22.69	23.9
Channel				345000	349000	355000	
Frequency [MHz]							
15	QPSK	1	1	22.71	22.74	22.76	23.9
Channel				345000	349000	355000	
Frequency [MHz]							
10	QPSK	1	1	22.73	22.80	22.73	23.9
Channel				345000	349000	355000	
Frequency [MHz]							
5	QPSK	1	1	22.73	22.77	22.75	23.9

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (min)
Channel				346000	349000	352000	
Frequency [MHz]							
40	QPSK	1	1	22.13	22.19	22.14	23.2
40	QPSK	1	108	22.20	22.21	22.15	23.2
40	QPSK	1	214	22.09	22.08	22.08	23.2
40	QPSK	108	0	20.23	20.27	20.21	22.2
40	QPSK	108	54	20.21	20.24	20.24	22.2
40	QPSK	108	108	20.21	20.25	20.27	22.2
40	QPSK	216	0	20.23	20.25	20.27	22.2
40	16QAM	1	1	20.09	20.02	20.01	22.2
40	16QAM	1	1	19.37	19.42	19.36	20.7
40	16QAM	1	1	17.99	18.00	17.97	19.7
Channel				345000	349000	353000	
Frequency [MHz]							
30	QPSK	1	1	22.16	22.13	22.14	23.2
Channel				345000	349000	353000	
Frequency [MHz]							
25	QPSK	1	1	22.12	22.14	22.13	23.2
Channel				345000	349000	354000	
Frequency [MHz]							
20	QPSK	1	1	22.15	22.19	22.08	23.2
Channel				345000	349000	355000	
Frequency [MHz]							
15	QPSK	1	1	22.14	22.15	22.06	23.2
Channel				345000	349000	355000	
Frequency [MHz]							
10	QPSK	1	1	22.13	22.20	22.05	23.2
Channel				345000	349000	355000	
Frequency [MHz]							
5	QPSK	1	1	22.17	22.15	22.10	23.2

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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				518004	519000	519996	23.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.56	22.55	22.56	23.7	0.0	
40	QPSK	1	53	22.60	22.66	22.63			
40	QPSK	1	104	22.46	22.63	22.57	23.7	0.0	
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	26	22.57	22.61	22.57	23.7	0.0	
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	0.0	
40	16QAM	1	1	22.30	22.36	22.30			
40	64QAM	1	1	20.78	20.85	20.78	22.2	1.5	
40	256QAM	1	1	19.40	19.47	19.42			
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2590	2604.99			
30	QPSK	1	1	22.54	22.56	22.44	23.7	0.0	
Channel				516504	518000	521496			
Frequency (MHz)				2292.52	2295	2307.48	23.7	0.0	
25	QPSK	1	1	22.54	22.56	22.45		0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.57	22.63	22.50	23.7	0.0	
Channel				515502	519000	522500			
Frequency (MHz)				2877.51	2595	2612.49	23.7	0.0	
15	QPSK	1	1	22.52	22.52	22.49		0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675.40	2595	2614.60			
10	QPSK	1	1	22.55	22.56	22.47	23.7	0.0	

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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				518004	519000	519996	21.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	20.49	20.54	20.42	21.7	0.0	
40	QPSK	1	53	20.52	20.60	20.55			
40	QPSK	1	104	20.50	20.50	20.46	21.7	0.0	
40	QPSK	50	0	20.47	20.58	20.43			
40	QPSK	50	26	20.50	20.59	20.54	21.7	0.0	
40	QPSK	50	56	20.45	20.46	20.53			
40	QPSK	100	0	20.46	20.55	20.45	21.7	0.0	
40	16QAM	1	1	20.37	20.53	20.54			
40	64QAM	1	1	20.06	20.13	20.06	21.7	0.0	
40	256QAM	1	1	18.85	18.70	18.67			
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2590	2604.99			
30	QPSK	1	1	20.46	20.56	20.46	21.7	0.0	
Channel				516504	518000	521496			
Frequency (MHz)				2292.52	2295	2307.48	21.7	0.0	
25	QPSK	1	1	20.38	20.57	20.40		0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.45	20.59	20.49	21.7	0.0	
Channel				515502	519000	522500			
Frequency (MHz)				2877.51	2595	2612.49	21.7	0.0	
15	QPSK	1	1	20.38	20.52	20.45		0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675.40	2595	2614.60			
10	QPSK	1	1	20.37	20.57	20.40	21.7	0.0	

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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				518004	519000	519996	23.8	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.58	22.48	23.8	0.0	
40	QPSK	1	53	22.64	22.68	22.63			
40	QPSK	1	104	22.41	22.48	22.41	23.8	0.0	
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	26	22.34	22.42	22.38	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.55			
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5	
40	256QAM	1	1	18.34	18.40	18.35			
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2590	2604.99			
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				516504	518000	521496			
Frequency (MHz)				2292.52	2295	2307.48	23.8	0.0	
25	QPSK	1	1	22.60	22.64	22.54		0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.56	22.64	22.59	23.8	0.0	
Channel				515502	519000	522500			
Frequency (MHz)				2877.51	2595	2612.49	23.8	0.0	
15	QPSK	1	1	22.56	22.60	22.59		0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675.40	2595	2614.60			
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0	

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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				506002	518598	526000	23.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.61	22.62	22.57			
100	QPSK	1	137	22.69	22.75	22.65	23.7	0.0	
100	QPSK	1	271	22.63	22.66	22.61			
100	QPSK	135	0	21.09	21.11	21.04			
100	QPSK	135	69	22.58	22.71	22.55	23.7	0.0	
100	QPSK	135	138	20.93	20.95	20.87			
100	QPSK	270	0	20.63	20.62	20.67			
100	16QAM	1	1	22.31	22.35	22.25	23.7	0.0	
100	64QAM	1	1	20.78	20.87	20.77			
100	256QAM	1	1	19.44	19.48	19.42			
Channel				505000	518598	525998	23.7	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
50	QPSK	1	1	22.66	22.64	22.64			
Channel				507204	518598	525998	23.7	0.0	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	22.63	22.68	22.56			
Channel				506000	518598	531996	23.7	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.60	22.66	22.57			
Channel				510524	518598	532000	23.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.63	22.74	22.56			
Channel				503002	518598	534000	23.7	0.0	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	22.61	22.71	22.62			
Channel				502000	518598	534996	23.7	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.60	22.65	22.59			
Channel				501204	518598	535998	23.7	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.60	22.70	22.51			
Channel				500700	518598	536996	23.7	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.56	22.68	22.65			
Channel				500002	518598	537000	23.7	0.0	
Frequency (MHz)				2491.01	2592.99	2684			
10	QPSK	1	1	22.55	22.74	22.50			

FCC_n41_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				506002	518598	526000	21.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	20.41	20.46	20.46			
100	QPSK	1	137	20.52	20.60	20.57	21.7	0.0	
100	QPSK	1	271	20.44	20.48	20.53			
100	QPSK	135	0	20.38	20.45	20.41			
100	QPSK	135	69	20.45	20.49	20.42	21.7	0.0	
100	QPSK	135	138	20.22	20.31	20.25			
100	QPSK	270	0	20.23	20.28	20.23			
100	16QAM	1	1	20.41	20.57	20.49	21.7	0.0	
100	64QAM	1	1	20.15	20.25	20.22			
100	256QAM	1	1	18.76	18.83	18.76			
Channel				505000	518598	525998	21.7	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
50	QPSK	1	1	20.51	20.56	20.47			
Channel				507204	518598	525998	21.7	0.0	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	20.37	20.48	20.51			
Channel				506000	518598	531996	21.7	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.46	20.56	20.46			
Channel				510524	518598	532000	21.7	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.37	20.46	20.55			
Channel				503002	518598	534000	21.7	0.0	
Frequency (MHz)				2616.01	2592.99	2670			
40	QPSK	1	1	20.38	20.47	20.50			
Channel				502000	518598	534996	21.7	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.50	20.52	20.49			
Channel				501204	518598	535998	21.7	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.40	20.51	20.44			
Channel				500700	518598	536996	21.7	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.48	20.56	20.51			
Channel				500002	518598	537000	21.7	0.0	
Frequency (MHz)				2491.01	2592.99	2684			
10	QPSK	1	1	20.38	20.54	20.54			

FCC_n41_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				506002	518598	526000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.52	22.60	22.58			
100	QPSK	1	137	22.69	22.75	22.68	24.0	0.0	
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0	
100	QPSK	135	138	19.80	19.86	19.83			
100	QPSK	270	0	19.96	19.98	19.78			
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0	
100	64QAM	1	1	19.80	19.87	19.81			
100	256QAM	1	1	18.44	18.47	18.41			
Channel				505000	518598	525998	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.65	22.66	22.65			
Channel				507204	518598	525998	24.0	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	22.68	22.63	22.67			
Channel				506000	518598	531996	24.0	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	22.64	22.64	22.59			
Channel				510524	518598	532000	24.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.60	22.62	22.64			
Channel				503002	518598	534000	24.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.66	22.64	22.62			
Channel				502000	518598	534996	24.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.63	22.63	22.60			
Channel				501204	518598	535998	24.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.60	22.69	22.64			
Channel				500700	518598	536996	24.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.67	22.66	22.61			
Channel				501204	518598	537000	24.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.63	22.65	22.62			

Reduced Power Mode for ECIS

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)				1840	1860	1880		
20	QPSK	1	1	23.05	23.35	23.64		
20	QPSK	1	53	23.11	23.17	23.12	24.2	0.0
20	QPSK	1	104	23.05	23.12	23.08		
20	QPSK	50	0	21.59	22.03	21.59	23.2	1.0
20	QPSK	50	26	23.05	23.11	23.05	24.2	0.0
20	QPSK	50	56	22.55	22.58	22.63	23.2	1.0
20	QPSK	100	0	21.55	22.04	21.56	23.0	1.0
20	ISACAM	1	1	21.65	21.78	21.75	23.0	1.0
20	ISACAM	1	1	20.24	20.30	20.24	21.7	0.5
20	ISACAM	1	1	18.70	18.85	18.61	19.7	0.0
Channel				317500	318000	318500	MPH	
Frequency (MHz)				317500	317500	317500	dBm	
15	QPSK	1	1	22.50	22.57	22.55	24.2	0.0
Channel				317500	318000	318500	MPH	
Frequency (MHz)				317500	317500	317500	dBm	
10	QPSK	1	1	22.55	23.05	22.85	24.2	0.0
Channel				315000	316000	317000	MPH	
Frequency (MHz)				3150.0	31600.0	31700.0	dBm	
5	QPSK	1	1	22.55	22.55	23.35	24.2	0.0

n2_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)				1840	1860	1880		
20	QPSK	1	1	17.08	17.18	17.25		
20	QPSK	1	53	17.22	17.26	17.21	18.2	0.0
20	QPSK	1	104	17.15	17.28	17.21		
20	QPSK	50	0	17.11	17.18	17.18	18.2	0.0
20	QPSK	50	26	17.05	17.20	17.15	18.2	0.0
20	QPSK	50	56	17.15	17.22	17.15	18.2	0.0
20	QPSK	100	0	17.15	17.25	17.12	18.2	0.0
20	ISACAM	1	1	17.17	17.23	17.12	18.2	0.0
20	ISACAM	1	1	17.19	17.22	17.12	18.2	0.0
20	ISACAM	1	1	17.12	17.16	17.25	18.2	0.0
Channel				317500	318000	318500	Time-up limit	MPH
Frequency (MHz)				3175.0	317500	317500	dBm	
15	QPSK	1	1	17.50	17.26	17.21	18.2	0.0
Channel				317500	318000	318500	Time-up limit	MPH
Frequency (MHz)				317500	317500	317500	dBm	
10	QPSK	1	1	17.15	17.20	17.22	18.2	0.0
Channel				315000	316000	317000	Time-up limit	MPH
Frequency (MHz)				3150.0	31600.0	31700.0	dBm	
5	QPSK	1	1	17.15	17.15	17.21	18.2	0.0

n5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq.)	Power Max Ch. (Freq.)	Power High Ch. (Freq.)	Time-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)				1840	1860	1880		
20	QPSK	1	1	23.21	23.26	23.19		
20	QPSK	1	53	23.25	23.32	23.22	24.7	0.0
20	QPSK	1	104	23.16	23.22	23.12		
20	QPSK	50	0	21.78	21.84	21.75	23.7	1.0
20	QPSK	50	26	23.21	23.26	23.19	24.7	0.0
20	QPSK	50	56	21.70	21.71	21.75	23.7	1.0
20	QPSK	100	0	21.71	22.24	21.22	23.7	1.0
20	ISACAM	1	1	21.84	22.02	22.05	23.7	1.0
20	ISACAM	1	1	20.62	20.65	20.62	22.2	2.5
20	ISACAM	1	1	19.18	19.22	19.22	22.2	4.5
Channel				185000	187000	189000	Time-up limit	MPH
Frequency (MHz)				185.0	187.0	189.0	dBm	
15	QPSK	1	1	23.15	23.24	23.13	24.7	0.0
Channel				185000	187000	189000	Time-up limit	MPH
Frequency (MHz)				185000	187000	189000	Time-up limit	MPH
10	QPSK	1	1	23.20	23.21	23.15	24.7	0.0
Channel				185000	187000	189000	Time-up limit	MPH
Frequency (MHz)				184.5	186.5	188.5	dBm	
5	QPSK	1	1	23.21	23.22	23.12	24.7	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.)	Time-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)				1840	1860	1880		
20	QPSK	1	1	23.18	23.19	23.17		
20	QPSK	1	53	23.25	23.35	23.25	24.4	0.0
20	QPSK	1	104	23.04	23.14	23.04		
20	QPSK	50	0	21.45	21.49	21.47	23.4	1.0
20	QPSK	50	26	23.18	23.22	23.18	23.4	0.0
20	QPSK	50	56	21.41	21.42	21.45	23.4	1.0
20	QPSK	100	0	21.40	21.43	21.41	23.4	1.0
20	ISACAM	1	1	21.58	21.59	21.57	23.4	1.0
20	ISACAM	1	1	20.46	20.54	20.45	21.9	2.5
20	ISACAM	1	1	19.15	19.16	19.15	19.9	4.5
Channel				185000	187000	189000	Time-up limit	MPH
Frequency (MHz)				185.0	187.0	189.0	dBm	
15	QPSK	1	1	23.14	23.15	23.19	24.4	0.0
Channel				185000	187000	189000	Time-up limit	MPH
Frequency (MHz)				185000	187000	189000	Time-up limit	MPH
10	QPSK	1	1	23.12	23.22	23.15	24.4	0.0
Channel				185000	187000	189000	Time-up limit	MPH
Frequency (MHz)				184.5	186.5	188.5	dBm	
5	QPSK	1	1	23.09	23.22	23.18	24.4	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.63	23.58	23.61		
50	QPSK	1	135	23.13	23.23	23.17	24.2	0.0
50	QPSK	1	265	23.64	23.67	23.64		
50	QPSK	135	0	20.58	20.62	20.59	21.7	0.0
50	QPSK	135	66	20.58	20.58		24.2	0.0
50	QPSK	135	135	20.58	20.59	20.54	21.7	0.0
50	QPSK	270	0	20.52	20.57	20.58		
50	ISACAM	1	1	21.75	21.79	21.76	23.0	1.0
50	ISACAM	1	1	20.52	20.53	20.50	21.7	0.0
50	ISACAM	1	1	18.50	18.50	18.50	19.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.97	22.98	22.98	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.56	22.59	22.58	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.96	22.98	22.97	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.97	22.97	22.97	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.01	22.99	22.93	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.09	21.14	21.11		
50	QPSK	1	135	21.13	21.20	21.15	22.0	0.0
50	QPSK	1	265	21.07	21.17	21.13	21.0	1.0
50	QPSK	135	0	19.94	20.04	20.01	21.0	1.0
50	QPSK	135	66	19.94	19.94		22.0	0.0
50	QPSK	135	135	19.93	20.02	19.95	21.0	1.0
50	QPSK	270	0	19.85	19.99	19.95		
50	ISACAM	1	1	21.13	21.14	21.05	22.0	0.0
50	ISACAM	1	1	19.70	19.79	19.72	21.0	1.0
50	ISACAM	1	1	18.20	18.27	18.26	19.0	2.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.53	21.53	21.50	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.00	21.06	21.03	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.13	21.07	21.09	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.03	21.19	21.08	22.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	21.07	21.15	21.05	22.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.12	22.15	22.13		
50	QPSK	1	135	22.07	22.23	22.15	23.0	0.0
50	QPSK	1	265	22.07	22.07	22.06		
50	QPSK	135	0	19.81	19.87	19.83	20.0	2.0
50	QPSK	135	66	19.84	19.84		22.0	0.0
50	QPSK	135	135	19.84	19.84	19.87	20.0	2.0
50	QPSK	270	0	19.83	19.83	19.84		
50	ISACAM	1	1	20.09	20.09	20.09	22.0	1.0
50	ISACAM	1	1	19.41	19.44	19.37	20.0	2.0
50	ISACAM	1	1	18.08	18.09	18.08	19.0	4.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.20	22.22	22.21	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.20	22.23	22.20	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.15	22.18	22.16	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.20	22.19	22.11	23.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.12	22.21	22.14	23.0	0.0

n26_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPH (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.25	23.34	23.24		
20	QPSK	1	53	23.40	23.45	23.43	24.7	0.0
20	QPSK	1	104	23.20	23.30	23.22		
20	QPSK	50	0	22.34	22.41	22.33	23.7	1.0
20	QPSK	50	26	22.34	22.34		24.7	0.0
20	QPSK	50	50	22.34	22.41	22.36	23.7	1.0
20	QPSK	100	0	22.33	22.38	22.29		
20	ISACAM	1	1	22.08	22.10	22.04	23.7	1.0
20	ISACAM	1	1	20.55	20.60	20.58	22.2	2.0
20	ISACAM	1	1	19.27	19.29	19.25	20.2	4.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.14	23.15	23.12	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.20	23.33	23.26	23.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.22	23.30	23.24	23.0	0.0

[illegible]

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.89	23.82	23.52			
40	QPSK	1	53	23.87	23.89	23.13	24.7	0.0	
40	QPSK	1	104	23.51	23.54	23.41			
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	22.80	22.85	23.17	24.7	0.0	
40	QPSK	50	56	22.42	22.48	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	1.0	
40	16QAM	1	1	22.30	22.36	22.30	23.7	1.0	
40	64QAM	1	1	20.76	20.85	20.78	22.2	2.5	
40	256QAM	1	1	18.40	18.47	18.42	20.2	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	23.56	23.60	23.49	24.7	0.0	
Channel				519004	519000	521000	Tune-up limit	MPR	
Frequency (MHz)				2594	2594	2610	(dBm)	(dB)	
25	QPSK	1	1	23.50	23.54	23.43	24.7	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
20	QPSK	1	1	23.53	23.56	23.45	24.7	0.0	
Channel				515502	519000	524998	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	23.54	23.54	23.49	24.7	0.0	
Channel				515004	519000	525996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	23.51	23.53	23.45	24.7	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	19.85	20.06	20.00			
40	QPSK	1	53	20.02	20.10	20.08	21.2	0.0	
40	QPSK	1	104	19.88	19.97	20.05			
40	QPSK	50	0	19.88	19.98	20.05			
40	QPSK	50	28	20.00	20.08	20.05	21.2	0.0	
40	QPSK	50	56	19.94	20.04	20.04			
40	QPSK	100	0	19.96	20.02	19.97	21.2	0.0	
40	16QAM	1	1	19.90	20.03	20.00	21.2	0.0	
40	64QAM	1	1	20.00	20.05	19.97	21.2	0.0	
40	256QAM	1	1	18.65	18.70	18.67	19.7	1.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	19.87	19.96	19.98	21.2	0.0	
Channel				515004	519000	521000	Tune-up limit	MPR	
Frequency (MHz)				2592.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	19.92	20.00	20.00	21.2	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2584	2594	2610	(dBm)	(dB)	
20	QPSK	1	1	19.87	19.95	20.07	21.2	0.0	
Channel				515502	519000	524998	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	19.97	20.00	20.03	21.2	0.0	
Channel				515004	519000	525996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	19.96	20.03	20.06	21.2	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.95	22.98	22.48			
40	QPSK	1	53	22.94	22.88	22.13	23.8	0.0	
40	QPSK	1	104	22.41	22.48	22.41			
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	28	22.34	22.42	21.38	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25	22.8	1.0	
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5	
40	256QAM	1	1	18.34	18.40	18.35	19.3	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				515004	519000	521000	Tune-up limit	MPR	
Frequency (MHz)				2594	2594	2610	(dBm)	(dB)	
25	QPSK	1	1	22.69	22.64	22.54	23.8	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
20	QPSK	1	1	22.56	22.64	22.59	23.8	0.0	
Channel				515502	519000	524998	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	22.55	22.60	22.59	23.8	0.0	
Channel				515004	519000	525996	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2546.01	2562.99	2540			
100	QPSK	1	1	23.85	23.60	23.52			
100	QPSK	1	137	23.65	23.71	23.17	24.7	0.0	
100	QPSK	1	271	23.54	23.55	23.51			
100	QPSK	135	0	21.09	21.11	21.04			
100	QPSK	135	69	23.65	23.65	23.65	24.7	0.0	
100	QPSK	135	138	20.90	20.95	20.87			
100	QPSK	270	0	20.83	20.92	20.87	22.2	2.5	
100	16QAM	1	1	22.31	22.35	22.25	23.7	1.0	
100	64QAM	1	1	20.78	20.87	20.77	22.2	2.5	
100	256QAM	1	1	18.44	18.48	18.42	20.2	4.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	23.65	23.67	23.59	24.7	0.0	
Channel				506224	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99			
80	QPSK	1	1	23.64	23.67	23.60	24.7	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2649.98			
60	QPSK	1	1	23.66	23.65	23.66	24.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2644.99			
50	QPSK	1	1	23.54	23.64	23.64	24.7	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	23.66	23.62	23.66	24.7	0.0	
Channel				502200	518598	534096	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	23.61	23.67	23.57	24.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	23.59	23.65	23.61	24.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	23.61	23.66	23.59	24.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	23.58	23.69	23.61	24.7	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2546.01	2562.99	2540			
100	QPSK	1	1	19.95	20.03	20.11			
100	QPSK	1	137	20.10	20.10	20.12	21.2	0.0	
100	QPSK	1	271	20.05	20.17	20.02			
100	QPSK	135	0	20.00	20.11	20.05			
100	QPSK	135	69	20.02	20.15	20.10	21.2	0.0	
100	QPSK	135	138	20.02	20.12	20.09			
100	QPSK	270	0	20.00	20.09	20.05	21.2	0.0	
100	16QAM	1	1	20.08	20.04	19.97	21.2	0.0	
100	64QAM	1	1	20.05	20.05	20.02	21.2	0.0	
100	256QAM	1	1	18.76	18.83	18.76	19.7	1.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	19.96	20.12	20.01	21.2	0.0	
Channel				506224	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99			
80	QPSK	1	1	19.98	20.04	20.01	21.2	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2649.98			
60	QPSK	1	1	19.97	20.11	20.09	21.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2644.99			
50	QPSK	1	1	20.02	20.04	20.10	21.2	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	20.02	20.13	20.10	21.2	0.0	
Channel				502200	518598	534096	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	20.01	20.15	20.09	21.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	19.95	20.03	19.99	21.2	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	20.01	20.05	20.11	21.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	20.02	20.17	20.01	21.2	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2546.01	2562.99	2540			
100	QPSK	1	1	22.52	22.60	22.58			
100	QPSK	1	137	22.69	22.70	22.68	24.0	0.0	
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.65	22.64	22.65	24.0	0.0	
100	QPSK	135	138	19.80	19.86	19.83			
100	QPSK	270	0	19.86	19.88	19.78	21.5	2.5	
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0	
100	64QAM	1	1	19.80	19.87	19.81	21.5	2.5	
100	256QAM	1	1	18.44	18.47	18.41	19.5	4.5	
Channel				506200	518598	526996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	22.65	22.66	22.65	24.0	0.0	
Channel				506224	518598	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2649.99			
80	QPSK	1	1	22.68	22.63	22.67	24.0	0.0	
Channel				506200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2649.98			
60	QPSK	1	1	22.64	22.64	22.59	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2644.99			
50	QPSK	1	1	22.60	22.62	22.64	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	22.66	22.64	22.62	24.0	0.0	
Channel				502200	518598	534096	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	22.59	22.60	22.60	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	22.60	22.65	22.64	24.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503	2562.99	2662.48			
15	QPSK	1	1	22.67	22.66	22.61	24.0	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2665			
10	QPSK	1	1	22.63	22.65	22.62	24.0	0.0	

Reduced Power Mode for EC18

n2_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.05	23.06	23.04	24.2	0.0
Frequency (MHz)								
20	QPSK	1	31	23.05	23.07	23.06	24.2	0.0
20	QPSK	1	104	23.05	23.12	23.06	24.2	0.0
20	QPSK	50	0	21.99	22.03	21.99	23.2	1.0
20	QPSK	50	28	23.15	23.15	23.15	24.2	0.0
20	QPSK	50	96	22.00	22.06	22.00	23.2	1.0
20	QPSK	100	0	21.00	22.04	21.00	23.2	1.0
20	16QAM	1	1	21.05	21.76	21.76	23.2	1.0
20	16QAM	1	1	20.24	20.30	20.24	21.7	2.5
20	16QAM	1	1	19.75	19.80	19.80	19.7	4.5
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.50	22.57	22.50	24.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.50	23.05	22.50	24.2	0.0
Frequency (MHz)								
5	QPSK	1	1	22.55	22.96	22.95	24.2	0.0

n2_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.73	19.78	19.70	20.7	0.0
20	QPSK	1	31	19.73	19.80	19.70	20.7	0.0
20	QPSK	1	104	19.73	19.72	19.63	20.7	0.0
20	QPSK	50	0	19.68	19.68	19.68	20.7	0.0
20	QPSK	50	28	19.75	19.75	19.65	20.7	0.0
20	QPSK	50	96	19.68	19.74	19.62	20.7	0.0
20	QPSK	100	0	19.68	19.69	19.68	20.7	0.0
20	16QAM	1	1	19.04	19.08	19.03	20.7	0.0
20	16QAM	1	1	19.22	19.67	19.64	20.7	0.0
20	16QAM	1	1	19.46	19.52	19.45	19.2	1.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.75	19.68	19.65	20.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.62	19.78	19.74	20.7	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.67	19.79	19.73	20.7	0.0

n5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.21	23.26	23.19	24.7	0.0
20	QPSK	1	31	23.21	23.32	23.26	24.7	0.0
20	QPSK	1	104	23.15	23.32	23.15	23.7	1.0
20	QPSK	50	0	21.78	21.84	21.75	23.7	1.0
20	QPSK	50	28	23.21	23.25	23.21	24.7	0.0
20	QPSK	50	96	21.79	21.71	21.70	23.7	1.0
20	QPSK	100	0	21.21	21.84	21.22	23.7	1.0
20	16QAM	1	1	21.04	21.05	21.05	23.7	1.0
20	16QAM	1	1	20.60	20.65	20.62	22.2	2.5
20	16QAM	1	1	19.76	19.22	19.21	22.2	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.15	23.34	23.15	24.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.20	23.21	23.15	24.7	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.21	23.23	23.15	24.7	0.0

n5_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Main Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.15	23.19	23.17	24.4	0.0
20	QPSK	1	31	23.15	23.25	23.20	24.4	0.0
20	QPSK	1	104	23.04	23.14	23.04	23.4	1.0
20	QPSK	50	0	21.45	21.47	21.47	23.4	1.0
20	QPSK	50	28	23.15	23.22	23.20	24.4	0.0
20	QPSK	50	96	21.41	21.42	21.40	23.4	1.0
20	QPSK	100	0	21.40	21.45	21.40	23.4	1.0
20	16QAM	1	1	21.06	21.00	21.07	23.4	1.0
20	16QAM	1	1	20.48	20.54	20.45	21.9	2.5
20	16QAM	1	1	19.15	19.16	19.15	19.9	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.14	23.19	23.19	24.4	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.12	23.22	23.15	24.4	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	23.09	23.22	23.16	24.4	0.0

n7_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
500500 507000 509000								
25.25 25.35 25.45								
50	QPSK	1	1	22.50	22.87	22.80	25.7	0.0
Frequency (MHz)								
22.57 22.59 22.57								
50	QPSK	1	155	20.58	20.62	20.58	21.7	0.0
50	QPSK	135	86	22.50	22.59	22.51	23.7	0.0
50	QPSK	135	135	20.50	20.58	20.54	21.7	2.0
50	QPSK	270	0	20.50	20.57	20.50	21.7	0.0
50	ISGDM	1	1	21.75	21.79	21.70	20.0	0.0
50	ISGDM	1	1	20.52	20.53	20.50	21.7	0.0
50	ISGDM	1	1	18.50	18.50	18.50	19.7	4.0
Channel								
504000 507000 510000								
22.50 22.59 22.60								
40	QPSK	1	1	22.50	22.59	22.60	20.0	0.0
Channel								
503000 507000 510000								
20.50 20.50 20.50								
30	QPSK	1	1	22.50	22.59	22.60	20.0	0.0
Channel								
505000 507000 510000								
20.52 20.56 20.57								
25	QPSK	1	1	22.64	22.69	22.68	20.0	0.0
Channel								
506000 507000 510000								
20.50 20.50 20.50								
20	QPSK	1	1	22.50	22.59	22.60	20.0	0.0
Channel								
507000 507000 510000								
22.63 22.63 22.63								
15	QPSK	1	1	22.63	22.68	22.63	20.0	0.0
Channel								
508000 507000 510000								
22.50 22.58 22.61								
10	QPSK	1	1	22.50	22.58	22.61	20.0	0.0
Channel								
509000 507000 510000								
20.52 20.50 20.57								
5	QPSK	1	1	22.55	22.55	22.64	20.0	0.0

n7_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
50500 507000 509000								
21.50 21.50 21.50								
50	QPSK	1	1	21.51	21.58	21.50	22.0	0.0
Channel								
50600 507000 509000								
21.52 21.58 21.57								
50	QPSK	1	145	19.54	19.58	19.57	21.0	1.5
50	QPSK	135	0	19.54	19.54	19.51	21.0	1.5
50	QPSK	135	86	21.51	21.54	21.50	22.0	0.0
50	QPSK	135	135	19.50	19.52	19.50	21.0	1.5
50	QPSK	270	0	19.50	19.50	19.50	22.0	0.0
50	ISGDM	1	1	21.24	21.27	21.20	20.0	0.0
50	ISGDM	1	1	19.25	19.29	19.22	21.0	1.5
50	ISGDM	1	1	18.20	18.27	18.20	19.0	2.5
Channel								
504000 507000 510000								
21.50 21.53 21.53								
40	QPSK	1	1	21.52	21.53	21.53	20.0	0.0
Channel								
503000 507000 510000								
20.50 20.50 20.50								
30	QPSK	1	1	21.49	21.50	21.50	22.0	0.0
Channel								
505000 507000 510000								
20.52 20.56 20.57								
25	QPSK	1	1	21.50	21.63	21.54	22.0	0.0
Channel								
506000 507000 510000								
20.50 20.50 20.50								
20	QPSK	1	1	21.40	21.41	21.41	22.0	0.0
Channel								
507000 507000 510000								
21.57 21.53 21.52								
15	QPSK	1	1	21.51	21.61	21.54	22.0	0.0
Channel								
508000 507000 510000								
21.50 21.50 21.50								
10	QPSK	1	1	21.55	21.62	21.60	22.0	0.0
Channel								
509000 507000 510000								
20.52 20.50 20.57								
5	QPSK	1	1	21.50	21.63	21.59	22.0	0.0

n7_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Int. (min)	MPR (dB)
Channel								
Frequency (MHz)								
50500 507000 509000								
22.50 22.55 22.55								
50	QPSK	1	1	22.12	22.15	22.13	20.0	0.0
Channel								
50600 507000 509000								
22.52 22.57 22.55								
50	QPSK	1	135	21.97	21.97	21.95	20.0	2.5
50	QPSK	135	0	19.61	19.67	19.65	20.0	2.5
50	QPSK	135	86	22.50	22.51	22.51	20.0	0.0
50	QPSK	135	135	19.54	19.64	19.57	20.0	2.5
50	QPSK	270	0	19.50	19.60	19.54	20.0	1.0
50	ISGDM	1	1	20.50	20.50	20.50	20.0	1.0
50	ISGDM	1	1	19.41	19.44	19.37	20.0	2.5
50	ISGDM	1	1	18.30	18.30	18.30	18.5	4.5
Channel								
504000 507000 510000								
22.50 22.55 22.55								
40	QPSK	1	1	22.50	22.55	22.51	20.0	0.0
Channel								
503000 507000 510000								
22.50 22.55 22.55								
30	QPSK	1	1	22.20	22.23	22.09	20.0	0.0
Channel								
505000 507000 510000								
22.52 22.55 22.57								
25	QPSK	1	1	22.15	22.18	22.10	20.0	0.0
Channel								
506000 507000 510000								
22.50 22.53 22.50								
20	QPSK	1	1	22.20	22.20	22.10	20.0	0.0
Channel								
507000 507000 510000								
22.57 22.53 22.52								
15	QPSK	1	1	22.21	22.22	22.10	20.0	0.0
Channel								
508000 507000 510000								
22.50 22.50 22.50								
10	QPSK	1	1	22.15	22.21	22.10	20.0	0.0
Channel								
509000 507000 510000								
22.52 22.53 22.57								
5	QPSK	1	1	22.12	22.21	22.14	20.0	0.0

n26_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Main Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up Int.
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n26_Ant 1							
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Mask Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel				16450	16500	16700	
Frequency [MHz]				16.5	165.5	167	
20	QPSK	1	1	23.25	23.34	23.32	
Frequency [MHz]							
20	QPSK	1	1	23.25	23.34	23.32	24.5
20	QPSK	1	104	23.15	23.26	23.13	
20	QPSK	50	5	23.38	23.38	23.40	23.5
20	QPSK	50	24	23.31	23.37	23.35	24.5
20	QPSK	50	56	23.28	23.33	23.32	23.5
20	QPSK	100	8	23.24	23.30	23.28	23.5
20	QPSK	100	1	23.11	23.14	23.13	23.5
20	16QAM	1	1	20.01	20.09	20.00	23.5
20	256QAM	1	1	19.20	19.37	19.25	23.5
Channel				16510	16510	16510	
Frequency [MHz]				165.1	165.1	165.1	
15	QPSK	1	1	23.23	23.31	23.30	23.5
Channel							
Channel				16510	16510	16510	
Frequency [MHz]				165.1	165.1	165.1	
10	QPSK	1	1	23.28	23.36	23.32	23.5
Channel							
Channel				16510	16510	16510	
Frequency [MHz]				165.1	165.1	165.1	
5	QPSK	1	1	23.34	23.32	23.36	23.5

n66_Ant 4							
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Mask Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
40	QPSK	1	1	23.03	23.05	23.07	
Channel							
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
40	QPSK	1	104	23.00	23.02	23.00	24.4
40	QPSK	1	214	23.00	23.01	23.00	
40	QPSK	108	3	21.40	21.43	21.41	23.4
40	QPSK	108	54	21.31	21.37	21.33	24.4
40	QPSK	108	108	21.42	21.43	21.41	23.4
40	QPSK	216	8	21.36	21.40	21.38	23.4
40	16QAM	1	1	21.75	21.80	21.78	23.4
40	16QAM	1	1	20.41	20.42	20.32	23.9
40	256QAM	1	1	19.01	19.02	18.97	19.9
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
30	QPSK	1	1	23.00	23.00	23.00	24.4
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
25	QPSK	1	1	23.03	23.02	23.07	24.4
Channel							
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
20	QPSK	1	1	23.04	23.11	23.04	24.4
Channel							
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
15	QPSK	1	1	23.07	23.06	23.00	24.4
Channel							
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
10	QPSK	1	1	23.07	23.05	23.03	24.4
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
5	QPSK	1	1	23.05	23.05	23.05	24.4

n66_Ant 3							
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Mask Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel				16900	16900	16900	
Frequency [MHz]				169	169	169	
40	QPSK	1	1	22.74	22.83	22.79	
Channel							
Channel				16900	16900	16900	
Frequency [MHz]				169	169	169	
40	QPSK	1	104	22.70	22.70	22.70	23.9
40	QPSK	1	214	22.70	22.70	22.70	
40	QPSK	108	3	20.91	20.94	20.90	22.9
40	QPSK	108	54	20.85	20.90	20.87	23.9
40	QPSK	108	108	20.92	20.93	20.92	22.9
40	QPSK	216	8	20.92	21.04	20.98	22.9
40	16QAM	1	1	21.05	21.05	21.00	22.9
40	16QAM	1	1	20.18	20.19	20.14	23.9
40	256QAM	1	1	18.81	18.82	18.78	18.4
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
30	QPSK	1	1	22.68	22.70	22.70	23.9
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
25	QPSK	1	1	22.65	22.77	22.70	23.9
Channel							
Channel				16900	16900	16900	
Frequency [MHz]				169	169	169	
20	QPSK	1	1	22.68	22.76	22.69	23.9
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
15	QPSK	1	1	22.71	22.84	22.71	23.9
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
10	QPSK	1	1	22.73	22.81	22.75	23.9
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
5	QPSK	1	1	22.73	22.77	22.75	23.9

n66_Ant 1							
RF [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Mask Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
40	QPSK	1	1	22.13	22.18	22.14	
Channel							
Channel				17000	17000	17000	
Frequency [MHz]				170	170	170	
40	QPSK	1	104	22.08	22.08	22.08	23.2
40	QPSK	1	214	22.08	22.09	22.08	
40	QPSK	108	3	20.23	20.27	20.21	23.2
40	QPSK	108	54	20.11	20.15	20.10	23.2
40	QPSK	108	108	20.21	20.24	20.24	23.2
40	QPSK	216	8	20.23	20.30	20.27	23.2
40	16QAM	1	1	20.80	20.82	20.81	23.2
40	16QAM	1	1	19.37	19.42	19.35	23.7
40	256QAM	1	1	17.97	18.00	18.01	18.7
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
30	QPSK	1	1	22.08	22.15	22.14	23.2
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
25	QPSK	1	1	22.12	22.14	22.12	23.2
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
20	QPSK	1	1	22.15	22.19	22.18	23.2
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
15	QPSK	1	1	22.14	22.18	22.16	23.2
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
10	QPSK	1	1	22.13	22.19	22.18	23.2
Channel							
Channel				16500	16500	16500	
Frequency [MHz]				165	165	165	
5	QPSK	1	1	22.17	22.19	22.05	23.2



n38_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				518004	519000	519996	23.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.56	22.55	22.56	23.7	0.0	
40	QPSK	1	1	22.60	22.60	22.60			
40	QPSK	1	104	22.45	22.63	22.57	23.7	0.0	
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	22.57	22.61	22.57	23.7	0.0	
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	0.0	
40	16QAM	1	1	22.30	22.36	22.30		23.7	
40	64QAM	1	1	20.78	20.85	20.76		22.2	
40	256QAM	1	1	18.40	18.47	18.42		20.2	
Channel				517002	518000	518998	23.7	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.54	22.56	22.44	23.7	0.0	
Channel				516004	519000	521496		MPR	
Frequency (MHz)				2482.43	2594	2607.48	23.7	0.0	
25	QPSK	1	1	22.54	22.55	22.49		23.7	
Channel				516000	519000	522000	23.7	0.0	
Frequency (MHz)				2590	2595	2610		MPR	
20	QPSK	1	1	22.57	22.63	22.50	23.7	0.0	
Channel				515502	519000	522498		MPR	
Frequency (MHz)				2577.51	2595	2612.49	23.7	0.0	
15	QPSK	1	1	22.52	22.52	22.49		23.7	
Channel				515004	519000	522996	23.7	MPR	
Frequency (MHz)				2575.02	2595	2614.98		0.0	
10	QPSK	1	1	22.55	22.56	22.47		23.7	

n38_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				518004	519000	519996	21.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	20.49	20.54	20.42	21.7	0.0	
40	QPSK	1	1	20.52	20.60	20.55		21.7	
40	QPSK	1	104	20.50	20.50	20.46		21.7	
40	QPSK	50	0	20.47	20.58	20.43		21.7	
40	QPSK	50	28	20.50	20.59	20.54		21.7	
40	QPSK	50	56	20.45	20.46	20.53	21.7	0.0	
40	QPSK	100	0	20.46	20.55	20.45		21.7	
40	16QAM	1	1	20.37	20.53	20.54	21.7	0.0	
40	64QAM	1	1	20.06	20.13	20.06		21.7	
40	256QAM	1	1	18.65	18.70	18.67		21.7	
Channel				517002	518000	518998	21.7	0.0	
Frequency (MHz)				2585.01	2595	2604.99		MPR	
30	QPSK	1	1	20.46	20.56	20.46	21.7	0.0	
Channel				516004	519000	521496		MPR	
Frequency (MHz)				2482.43	2594	2607.48	21.7	0.0	
25	QPSK	1	1	20.38	20.57	20.40		21.7	
Channel				516000	519000	522000	21.7	MPR	
Frequency (MHz)				2590	2595	2610		21.7	
20	QPSK	1	1	20.43	20.59	20.49	21.7	0.0	
Channel				515502	519000	522498		MPR	
Frequency (MHz)				2577.51	2595	2612.49	21.7	0.0	
15	QPSK	1	1	20.38	20.52	20.45		21.7	
Channel				515004	519000	522996	21.7	MPR	
Frequency (MHz)				2575.02	2595	2614.98		0.0	
10	QPSK	1	1	20.37	20.57	20.40		21.7	

n38_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				518004	519000	519996	23.8	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.58	22.48	23.8	0.0	
40	QPSK	1	1	22.58	22.68	22.63		23.8	
40	QPSK	1	104	22.41	22.48	22.41		23.8	
40	QPSK	50	0	21.42	21.52	21.50		23.8	
40	QPSK	50	28	22.34	22.42	22.38	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34		22.8	
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25		22.8	
40	64QAM	1	1	19.75	19.82	19.78		21.3	
40	256QAM	1	1	18.34	18.40	18.35		19.3	
Channel				517002	518000	518998	23.8	0.0	
Frequency (MHz)				2585.01	2595	2604.99		MPR	
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				516004	519000	521496		MPR	
Frequency (MHz)				2482.43	2594	2607.48	23.8	0.0	
25	QPSK	1	1	22.60	22.64	22.54		23.8	
Channel				516000	519000	522000	23.8	MPR	
Frequency (MHz)				2590	2595	2610		23.8	
20	QPSK	1	1	22.65	22.64	22.59	23.8	0.0	
Channel				515502	519000	522498		MPR	
Frequency (MHz)				2577.51	2595	2612.49	23.8	0.0	
15	QPSK	1	1	22.55	22.60	22.59		23.8	
Channel				515004	519000	522996	23.8	MPR	
Frequency (MHz)				2575.02	2595	2614.98		0.0	
10	QPSK	1	1	22.60	22.62	22.57		23.8	

FCC_n41_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								
Frequency (MHz)								
100	QPSK	1	1	22.61	22.62	22.57	23.7	0.0
100	QPSK	1	197	22.61	22.75	22.55		
100	QPSK	1	271	22.63	22.65	22.51		
100	QPSK	135	0	21.09	21.11	21.04		
100	QPSK	135	69	22.58	22.71	22.55	23.7	0.0
100	QPSK	135	138	20.93	20.95	20.87	23.2	1.5
100	QPSK	270	0	20.93	20.92	20.87		
100	16QAM	1	1	22.31	22.35	22.25		
100	64QAM	1	1	20.78	20.87	20.77		
100	256QAM	1	1	18.44	18.48	18.42	20.2	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.66	22.64	22.64	23.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.63	22.65	22.56	23.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.60	22.64	22.57	23.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.63	22.74	22.55	23.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.61	22.71	22.62	23.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.60	22.65	22.55	23.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.60	22.70	22.51	23.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.56	22.68	22.65	23.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.55	22.74	22.59	23.7	0.0

FCC_n41_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								
Frequency (MHz)								
100	QPSK	1	1	20.41	20.46	20.46	21.7	0.0
100	QPSK	1	197	20.32	20.50	20.27		
100	QPSK	1	271	20.44	20.50	20.53		
100	QPSK	135	0	20.38	20.45	20.41		
100	QPSK	135	69	20.45	20.49	20.42	21.7	0.0
100	QPSK	135	138	20.22	20.31	20.25	21.7	0.0
100	QPSK	270	0	20.23	20.25	20.23		
100	16QAM	1	1	20.41	20.57	20.49		
100	64QAM	1	1	20.16	20.25	20.22		
100	256QAM	1	1	18.76	18.83	18.76	18.7	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.51	20.58	20.47	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.37	20.45	20.51	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.40	20.50	20.48	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.37	20.46	20.55	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.38	20.47	20.50	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.50	20.52	20.45	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.40	20.51	20.44	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.48	20.56	20.51	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.38	20.54	20.54	21.7	0.0

FCC_n41_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								
Frequency (MHz)								
100	QPSK	1	1	22.52	22.60	22.58	24.0	0.0
100	QPSK	1	197	22.55	22.75	22.58		
100	QPSK	1	271	22.48	22.54	22.50		
100	QPSK	135	0	20.05	20.08	20.01		
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0
100	QPSK	135	138	19.85	19.88	19.83	21.5	2.5
100	QPSK	270	0	19.85	19.85	19.79		
100	16QAM	1	1	21.33	21.38	21.29		
100	64QAM	1	1	19.80	19.87	19.81		
100	256QAM	1	1	18.44	18.47	18.41	18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.65	22.66	22.65	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.65	22.63	22.67	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.64	22.64	22.59	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.60	22.62	22.64	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.66	22.64	22.62	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.59	22.60	22.59	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.60	22.67	22.64	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.67	22.66	22.61	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.63	22.65	22.62	24.0	0.0



Reduced Power Mode for EC10

n2_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power Low Ch./Freq.	Time-up limit (dBm)	MPE	
Channel									
Frequency [MHz]				1675000	3750000	3850000			
20	QPSK	1	1	23.00	23.06	23.04			
20	QPSK	1	53	23.10	23.17	23.12	24.2	0.0	
20	QPSK	1	104	23.00	23.10	23.00			
20	QPSK	50	0	21.90	22.03	21.90	23.2	1.0	
20	QPSK	50	28	23.14	23.10	23.10	24.2	0.0	
20	QPSK	50	56	22.00	22.08	22.00	23.2	1.0	
20	QPSK	100	0	21.80	22.04	21.80	23.2	1.0	
20	8QAM	1	1	21.80	21.78	21.70	23.2	1.0	
20	8QAM	1	1	20.24	20.30	20.24	21.7	2.5	
20	25QAM	1	1	19.10	19.00	19.01	19.7	4.5	
Channel									
Frequency [MHz]				1710000	3750000	3810000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	22.90	22.97	22.90	24.2	0.0	
Channel									
Frequency [MHz]				3750000	3750000	3810000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	22.90	23.00	22.90	24.2	0.0	
Channel									
Frequency [MHz]				3750000	3750000	3810000	Time-up limit (dBm)	MPE	
5	QPSK	1	1	22.90	22.96	22.90	24.2	0.0	

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power High Ch./Freq.	Time-up limit (dBm)	MPE	
Channel									
Frequency [MHz]				1675000	3750000	3850000			
20	QPSK	1	1	19.70	19.76	19.70			
20	QPSK	1	53	19.77	19.80	19.70	20.7	0.0	
20	QPSK	1	104	19.70	19.70	19.60			
20	QPSK	50	0	19.60	19.65	19.60	20.7	0.0	
20	QPSK	50	28	19.76	19.70	19.60	20.7	0.0	
20	QPSK	50	56	19.60	19.74	19.60	20.7	0.0	
20	QPSK	100	0	19.60	19.70	19.60	20.7	0.0	
20	8QAM	1	1	19.64	19.60	19.60	20.7	0.0	
20	8QAM	1	1	19.72	19.67	19.64	20.7	0.0	
20	25QAM	1	1	18.40	18.50	18.40	19.2	1.5	
Channel									
Frequency [MHz]				1710000	3750000	3810000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	19.70	19.68	19.60	20.7	0.0	
Channel									
Frequency [MHz]				3750000	3750000	3810000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	19.60	19.70	19.74	20.7	0.0	
Channel									
Frequency [MHz]				3750000	3750000	3810000	Time-up limit (dBm)	MPE	
5	QPSK	1	1	19.67	19.70	19.70	20.7	0.0	

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Margin Ch./ Freq.	Power High Ch./ Freq.	Time-up limit (dBm)		
Channel									
Frequency [MHz]				1680000	1675000	1670000			
20	QPSK	1	1	23.21	23.26	23.10			
20	QPSK	1	53	23.21	23.32	23.20	24.7	0.0	
20	QPSK	1	104	23.16	23.22	23.10			
20	QPSK	50	0	21.70	21.84	21.70	23.7	1.0	
20	QPSK	50	28	23.00	23.30	23.20	24.7	0.0	
20	QPSK	50	56	21.70	21.71	21.70	20.7	1.0	
20	QPSK	100	0	21.71	21.74	21.70	23.7	1.0	
20	8QAM	1	1	21.24	21.00	21.00	23.7	1.0	
20	8QAM	1	1	20.82	20.60	20.60	22.2	2.5	
20	25QAM	1	1	19.10	19.20	19.21	20.2	4.5	
Channel									
Frequency [MHz]				1680000	1675000	1670000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	23.16	23.24	23.10	24.7	0.0	
Channel									
Frequency [MHz]				1680000	1675000	1670000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	23.20	23.21	23.10	24.7	0.0	
Channel									
Frequency [MHz]				1680000	1675000	1670000	Time-up limit (dBm)	MPE	
5	QPSK	1	1	23.21	23.23	23.10	24.7	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power Margin Ch./Freq.	Power Line Ch./Freq.	Time-up limit (dBm)	MPE (dB)	
Channel									
Frequency [MHz]				1680000	1675000	1670000			
20	QPSK	1	1	23.10	23.10	23.10			
20	QPSK	1	53	23.10	23.20	23.20	24.4	0.0	
20	QPSK	1	104	23.04	23.14	23.04			
20	QPSK	50	0	21.40	21.40	21.40	23.4	1.0	
20	QPSK	50	28	23.10	23.20	23.20	24.4	0.0	
20	QPSK	50	56	21.41	21.40	21.40	20.4	1.0	
20	8QAM	1	1	21.80	21.80	21.80	23.4	1.0	
20	8QAM	1	1	20.40	20.54	20.40	21.0	2.5	
20	25QAM	1	1	19.10	19.10	19.10	19.0	4.5	
Channel									
Frequency [MHz]				1680000	1675000	1670000	Time-up limit (dBm)	MPE	
15	QPSK	1	1	23.14	23.10	23.10	24.4	0.0	
Channel									
Frequency [MHz]				1680000	1675000	1670000	Time-up limit (dBm)	MPE	
10	QPSK	1	1	23.12	23.20	23.10	24.4	0.0	
Channel									
Frequency [MHz]				1680000	1675000	1670000	Time-up limit (dBm)	MPE	
5	QPSK	1	1	23.00	23.22	23.10	24.4	0.0	

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch./ Freq.	Power Max. Ch./ Freq.	Power High Ch./ Freq.	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
505000 507000 509000									
23.25 23.35 23.45									
50	QPSK	1	1	23.03	23.08	23.01			
50	QPSK	1	135	23.10	23.22	23.17	24.2	0.0	
50	QPSK	1	269	23.06	23.07	23.06			
50	QPSK	135	0	23.50	23.62	23.58	21.7	2.5	
50	QPSK	135	0	23.50	23.50	23.50	24.2	0.0	
50	QPSK	135	135	23.55	23.59	23.54	21.7	2.5	
50	QPSK	270	0	23.52	23.57	23.55	23.2	1.0	
50	8QAM	1	1	23.75	23.76	23.75	23.2	1.0	
50	8QAM	1	1	23.32	23.33	23.32	21.7	2.5	
50	25QAM	1	1	18.81	18.82	18.80	16.7	4.5	
Channel									
Frequency [MHz]									
505000 507000 509000									
23.40 23.46 23.52									
40	QPSK	1	1	23.40	23.46	23.46	24.2	0.0	
Channel									
Frequency [MHz]									
503000 507000 511000									
23.30 23.35 23.40									
30	QPSK	1	1	23.30	23.35	23.35	24.2	0.0	
Channel									
Frequency [MHz]									
502500 507000 511500									
23.15 23.20 23.25									
20	QPSK	1	1	22.95	22.96	22.91	24.0	0.0	
Channel									
Frequency [MHz]									
502000 507000 512000									
23.10 23.15 23.20									
20	QPSK	1	1	22.95	23.01	23.01	24.2	0.0	
Channel									
Frequency [MHz]									
501500 507000 512500									
23.05 23.08 23.06									
15	QPSK	1	1	23.02	23.05	23.06	24.2	0.0	
Channel									
Frequency [MHz]									
501000 507000 513000									
22.98 23.01 23.01									
10	QPSK	1	1	22.98	23.01	23.01	24.2	0.0	
Channel									
Frequency [MHz]									
500500 507000 513500									
22.92 22.95 22.95									
5	QPSK	1	1	23.01	23.00	23.00	24.2	0.0	

n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Max. Ch. / Freq.	Power Min. Ch. / Freq.	Power High Ch. / Freq.	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]				505000	507000	509000			
				23.25	23.35	23.45			
50	QPSK	1	1	18.58	18.58	18.58			
50	QPSK	1	135	18.52	18.58	18.52	20.0	0.0	
50	QPSK	1	269	18.07	18.08	18.11			
50	QPSK	135	0	18.58	18.58	18.58	20.0	0.0	
50	QPSK	135	135	18.03	18.15	18.05	20.0	0.0	
50	QPSK	270	0	18.09	18.11	18.08			
50	8QAM	1	1	18.02	18.14	18.11	20.0	0.0	
50	8QAM	1	1	18.58	18.52	18.07	20.0	0.0	
50	25QAM	1	1	18.30	18.37	18.30	17.0	1.0	
Channel									
Frequency [MHz]				505000	507000	511000			
				23.30	23.35	23.40			
40	QPSK	1	1	18.58	18.58	18.58	20.0	0.0	
Channel									
Frequency [MHz]				503000	507000	513000			
				23.15	23.20	23.25			
30	QPSK	1	1	18.53	18.04	18.04	20.0	0.0	
Channel									
Frequency [MHz]				502500	507000	513500			
				23.10	23.15	23.20			
25	QPSK	1	1	18.03	18.04	18.05	20.0	0.0	
Channel									
Frequency [MHz]				502000	507000	514000			
				23.05	23.10	23.15			
20	QPSK	1	1	18.09	18.13	18.10	20.0	0.0	
Channel									
Frequency [MHz]				501500	507000	514500			
				23.00	23.05	23.10			
15	QPSK	1	1	18.07	18.08	18.08	20.0	0.0	
Channel									
Frequency [MHz]				501000	507000	515000			
				22.95	23.00	23.05			
10	QPSK	1	1	18.08	18.04	18.05	20.0	0.0	
Channel									
Frequency [MHz]				500500	507000	515500			
				22.90	22.95	23.00			
5	QPSK	1	1	18.05	18.18	18.05	20.0	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Min. Ch./ Freq.	Power Max. Ch./ Freq.	Power High Ch./ Freq.	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]				505000	507000	509000			
				23.22	23.25	23.28			
50	QPSK	1	1	22.12	22.15	22.13			
Channel				505000	507000	511000			
				23.20	23.25	23.30	23.0		
50	QPSK	1	135	22.20	22.25	22.20			
Channel				505000	507000	513000			
				18.81	18.87	18.85	20.5	2.5	
50	QPSK	135	0	22.07	22.17	22.10	23.0		
Channel				505000	507000	515000			
				18.54	18.64	18.52	20.5	2.5	
50	QPSK	135	135	18.54	18.64	18.52	20.5	2.5	
Channel				505000	507000	517000			
				18.53	18.63	18.54	20.5	2.5	
50	8QAM	1	1	20.09	20.02	20.00	20.5	1.0	
Channel				505000	507000	519000			
				18.41	18.44	18.37	20.5	2.5	
50	25QAM	1	1	18.08	18.09	18.04	18.5	4.5	
Channel									
Frequency [MHz]				505000	507000	510000			
				23.20	23.25	23.30			
40	QPSK	1	1	22.20	22.25	22.15	23.0	0.0	
Channel									
Frequency [MHz]				503000	507000	513000			
				23.15	23.20	23.25			
30	QPSK	1	1	22.20	22.25	22.00	23.0	0.0	
Channel									
Frequency [MHz]				502500	507000	513500			
				23.10	23.15	23.20			
25	QPSK	1	1	22.15	22.18	22.10	23.0	0.0	
Channel									
Frequency [MHz]				502000	507000	514000			
				23.05	23.10	23.15			
20	QPSK	1	1	22.20	22.18	22.11	23.0	0.0	
Channel									
Frequency [MHz]				501500	507000	514500			
				23.00	23.05	23.10			
15	QPSK	1	1	22.01	22.22	22.01	23.0	0.0	
Channel									
Frequency [MHz]				501000	507000	515000			
				22.95	23.00	23.05			
10	QPSK	1	1	22.15	22.21	22.10	23.0	0.0	
Channel									
Frequency [MHz]				500500	507000	515500			
				22.90	22.95	23.00			
5	QPSK	1	1	22.12	22.21	22.14	23.0	0.0	

n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Line Ch. / Freq.	Power Max. Ch. / Freq.	Power High Ch. / Freq.	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]				164800	166300	167800			
				24.4	24.5	24.6			
20	QPSK	1	1	23.25	23.34	23.34			
20	QPSK	1	53	23.40	23.45	23.41	24.7	0.0	
20	QPSK	1	104	23.30	23.30	23.30			
20	QPSK	50	0	22.34	22.41	22.32	23.7	1.0	
20	QPSK	50	28	23.30	23.40	23.30	24.7	0.0	
20	QPSK	50	58	22.34	22.41	22.38	23.7	1.0	
20	8QAM	1	1	22.06	22.10	22.04	23.7	1.0	
20	8QAM	1	1	20.55	20.65	20.59	22.2	2.5	
20	25QAM	1	1	19.27	19.29	19.25	21.2	4.5	
Channel				164800	166300	168800			
Frequency [MHz]				24.5	24.5	24.5			
15	QPSK	1	1	23.34	23.35	23.37	0.0	0.0	
Channel				164800	166300	168800			
Frequency [MHz]				24.4	24.5	24.6			
10	QPSK	1	1	23.25	23.35	23.25	0.0	0.0	
Channel				164800	166300	168800			
Frequency [MHz]				24.4	24.5	24.6			
5	QPSK	1	1	23.22	23.32	23.24	0.0	0.0	

n26_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Margin Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)
Channel							
344000 348000 352000							
20	QPSK	1	1	23.25	23.34	23.32	0.0
20	QPSK	1	53	23.25	23.40	23.35	24.5
20	QPSK	1	104	23.25	23.32	23.30	0.0
20	QPSK	50	0	22.38	22.32	22.40	20.5
20	QPSK	50	0	22.35	22.37	22.35	24.5
20	QPSK	50	56	22.35	22.35	22.35	24.5
20	QPSK	100	0	22.24	22.40	22.38	1.0
20	16QAM	1	1	22.11	22.14	22.12	20.5
20	16QAM	1	1	20.61	20.68	20.65	2.5
20	256QAM	1	1	19.30	19.31	19.30	4.5
Channel							
345000 349000 353000							
16	QPSK	1	1	23.23	23.21	23.26	0.0
Frequency (MHz)							
16	QPSK	1	1	23.25	23.36	23.32	0.0
Channel							
345000 349000 353000							
5	QPSK	1	1	23.34	23.32	23.35	0.0

n66_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Margin Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)
Channel							
348000 349000 350000							
40	QPSK	1	1	23.03	23.05	23.02	0.0
40	QPSK	1	108	23.03	23.12	23.05	24.4
40	QPSK	1	214	23.00	23.01	23.00	0.0
40	QPSK	108	0	21.40	21.43	21.41	1.0
40	QPSK	108	0	21.32	21.37	21.35	24.4
40	QPSK	108	108	21.42	21.43	21.41	20.4
40	QPSK	216	0	21.40	21.44	21.40	1.0
40	16QAM	1	1	21.75	21.80	21.78	23.4
40	16QAM	1	1	20.41	20.42	20.32	21.5
40	256QAM	1	1	19.00	19.02	19.07	4.5
Channel							
349000 349000 350000							
30	QPSK	1	1	23.00	23.00	23.00	24.4
Frequency (MHz)							
30	QPSK	1	1	23.00	23.00	23.00	0.0
Channel							
349000 349000 350000							
25	QPSK	1	1	23.03	23.05	23.02	0.0
Channel							
349000 349000 350000							
20	QPSK	1	1	23.04	23.11	23.04	24.4
Channel							
349000 349000 350000							
15	QPSK	1	1	23.05	23.08	23.05	28.4
Channel							
349000 349000 350000							
10	QPSK	1	1	23.07	23.10	23.07	24.4
Channel							
349000 349000 350000							
5	QPSK	1	1	23.05	23.05	23.05	24.4

n66_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Margin Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)
Channel							
348000 349000 350000							
40	QPSK	1	1	16.25	16.25	16.42	17.4
40	QPSK	1	108	16.42	16.50	16.40	0.0
40	QPSK	1	214	16.36	16.47	16.36	0.0
40	QPSK	108	0	16.35	16.40	16.35	17.4
40	QPSK	108	0	16.40	16.40	16.40	17.4
40	QPSK	108	108	16.32	16.38	16.36	17.4
40	QPSK	216	0	16.38	16.40	16.34	17.4
40	16QAM	1	1	16.36	16.40	16.36	17.4
40	16QAM	1	1	16.39	16.40	16.31	17.4
40	256QAM	1	1	16.30	16.30	16.33	17.4
Channel							
349000 349000 350000							
30	QPSK	1	1	16.37	16.43	16.44	17.4
Frequency (MHz)							
30	QPSK	1	1	16.37	16.43	16.44	17.4
Channel							
349000 349000 350000							
25	QPSK	1	1	16.40	16.40	16.40	17.4
Channel							
349000 349000 350000							
20	QPSK	1	1	16.32	16.44	16.34	17.4
Channel							
349000 349000 350000							
15	QPSK	1	1	16.37	16.37	16.35	17.4
Channel							
349000 349000 350000							
10	QPSK	1	1	16.43	16.39	16.42	17.4
Channel							
349000 349000 350000							
5	QPSK	1	1	16.30	16.40	16.34	17.4

n66_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./F.Freq.	Power Margin Ch./F.Freq.	Power High Ch./F.Freq.	Turn-up time (min)
Channel							
348000 349000 350000							
40	QPSK	1	1	17.20	17.17	17.16	0.0
40	QPSK	1	108	17.20	17.25	17.21	18.2
40	QPSK	1	214	17.15	17.15	17.12	0.0
40	QPSK	108	0	17.11	17.10	17.08	18.2
40	QPSK	108	0	17.15	17.20	17.13	18.2
40	QPSK	108	108	17.15	17.20	17.12	18.2
40	QPSK	216	0	17.13	17.20	17.07	18.2
40	16QAM	1	1	17.13	17.10	17.15	18.2
40	16QAM	1	1	17.10	17.14	17.17	18.2
40	256QAM	1	1	17.07	17.11	17.10	18.2
Channel							
349000 349000 350000							
30	QPSK	1	1	17.15	17.13	17.14	18.2
Frequency (MHz)							
30	QPSK	1	1	17.15	17.13	17.14	18.2
Channel							
349000 349000 350000							
25	QPSK	1	1	17.25	17.15	17.16	18.2
Channel							
349000 349000 350000							
20	QPSK	1	1	17.12	17.17	17.13	18.2
Channel							
349000 349000 350000							
15	QPSK	1	1	17.07	17.20	17.12	18.2
Channel							
349000 349000 350000							
10	QPSK	1	1	17.08	17.20	17.07	18.2
Channel							
349000 349000 350000							
5	QPSK	1	1	17.17	17.20	17.14	18.2

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.59	23.63	23.52			
40	QPSK	1	53	23.67	23.69	23.63	24.7	0.0	
40	QPSK	1	104	23.51	23.54	23.44			
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	23.69	23.69	23.67	24.7	0.0	
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	1.0	
40	16QAM	1	1	22.30	22.36	22.30	23.7	1.0	
40	64QAM	1	1	20.76	20.85	20.78	22.2	2.5	
40	256QAM	1	1	19.40	19.47	19.42	20.2	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	23.96	23.90	23.49	24.7	0.0	
Channel				511004	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	23.50	23.54	23.43	24.7	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	23.53	23.56	23.45	24.7	0.0	
Channel				515002	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	23.54	23.54	23.49	24.7	0.0	
Channel				515004	519000	522596	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	23.51	23.53	23.45	24.7	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	19.94	20.00	20.00			
40	QPSK	1	53	20.02	20.10	20.08	21.2	0.0	
40	QPSK	1	104	19.88	19.97	20.05			
40	QPSK	50	0	19.88	19.88	20.05			
40	QPSK	50	28	20.06	20.08	20.06	21.2	0.0	
40	QPSK	50	56	19.94	20.04	20.04			
40	QPSK	100	0	19.96	20.02	19.97	21.2	0.0	
40	16QAM	1	1	19.90	20.03	20.00	21.2	0.0	
40	64QAM	1	1	20.00	20.05	19.97	21.2	0.0	
40	256QAM	1	1	18.65	18.70	18.67	19.7	1.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	19.87	19.90	19.88	21.2	0.0	
Channel				516004	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	19.92	20.00	20.00	21.2	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	19.87	19.95	20.07	21.2	0.0	
Channel				515002	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	19.97	20.00	20.03	21.2	0.0	
Channel				515004	519000	522596	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	19.96	20.03	20.06	21.2	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.59	22.48			
40	QPSK	1	53	22.54	22.68	22.63	23.8	0.0	
40	QPSK	1	104	22.41	22.48	22.41			
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	28	22.54	22.42	22.38	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25	22.8	1.0	
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5	
40	256QAM	1	1	18.34	18.40	18.35	19.3	4.5	
Channel				517002	519000	520998	Tune-up limit	MPR	
Frequency (MHz)				2585.01	2595	2604.99	(dBm)	(dB)	
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				516004	519000	521496	Tune-up limit	MPR	
Frequency (MHz)				2582.52	2595	2607.48	(dBm)	(dB)	
25	QPSK	1	1	22.60	22.64	22.54	23.8	0.0	
Channel				516000	519000	522000	Tune-up limit	MPR	
Frequency (MHz)				2580	2595	2610	(dBm)	(dB)	
20	QPSK	1	1	22.56	22.64	22.59	23.8	0.0	
Channel				515002	519000	522498	Tune-up limit	MPR	
Frequency (MHz)				2577.51	2595	2612.49	(dBm)	(dB)	
15	QPSK	1	1	22.55	22.60	22.59	23.8	0.0	
Channel				515004	519000	522596	Tune-up limit	MPR	
Frequency (MHz)				2575.02	2595	2614.98	(dBm)	(dB)	
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	23.54	23.64	23.52			
100	QPSK	1	137	23.68	23.71	23.67	24.7	0.0	
100	QPSK	1	271	23.54	23.55	23.51			
100	QPSK	135	0	21.09	21.11	21.04		0.0	
100	QPSK	135	69	23.58	23.68	23.60	24.7		
100	QPSK	135	138	20.93	20.95	20.87			
100	QPSK	270	0	20.83	20.92	20.87	22.2	2.5	
100	16QAM	1	1	22.31	22.35	22.25	23.7	1.0	
100	64QAM	1	1	20.76	20.87	20.77	22.2	2.5	
100	256QAM	1	1	19.45	19.45	19.42	20.2	4.5	
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	23.68	23.67	23.59	24.7	0.0	
Channel				510204	518598	525996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	23.64	23.67	23.60	24.7	0.0	
Channel				502000	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dB)		
60	QPSK	1	1	23.66	23.65	23.66	24.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	23.54	23.64	23.60	24.7	0.0	
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	23.66	23.62	23.66	24.7	0.0	
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	23.61	23.67	23.57	24.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2679.99	(dB)		
20	QPSK	1	1	23.59	23.65	23.61	24.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	23.64	23.64	23.62	24.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	23.58	23.65	23.61	24.7	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	19.95	20.03	20.11			
100	QPSK	1	137	20.10	20.18	20.12	21.2	0.0	
100	QPSK	1	271	20.05	20.17	20.02			
100	QPSK	135	0	20.00	20.11	20.05		0.0	
100	QPSK	135	69	20.08	20.10	20.10	21.2		
100	QPSK	135	138	20.02	20.12	20.09			
100	QPSK	270	0	20.00	20.09	20.05	21.2	0.0	
100	16QAM	1	1	20.08	20.04	19.97	21.2	0.0	
100	64QAM	1	1	20.05	20.05	20.02	21.2	0.0	
100	256QAM	1	1	18.76	18.83	18.75	19.7	1.5	
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	19.96	20.12	20.01	21.2	0.0	
Channel				510204	518598	525996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	19.98	20.04	20.01	21.2	0.0	
Channel				502000	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dB)		
60	QPSK	1	1	19.97	20.11	20.09	21.2	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	20.02	20.09	20.10	21.2	0.0	
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	20.02	20.13	20.10	21.2	0.0	
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	20.01	20.15	20.09	21.2	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2679.99	(dB)		
20	QPSK	1	1	19.95	20.03	19.99	21.2	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	20.01	20.05	20.11	21.2	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	20.02	20.17	20.01	21.2	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.52	22.60	22.58			
100	QPSK	1	137	22.69	22.70	22.68	24.0	0.0	
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0	
100	QPSK	135	138	19.80	19.86	19.83			
100	QPSK	270	0	19.88	19.88	19.78	21.5	2.5	
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0	
100	64QAM	1	1	19.80	19.87	19.81	21.5	2.5	
100	256QAM	1	1	18.44	18.47	18.41	19.5	4.5	
Channel				508200	518598	526996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dB)		
90	QPSK	1	1	22.65	22.66	22.65	24.0	0.0	
Channel				510204	518598	525996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dB)		
80	QPSK	1	1	22.68	22.63	22.67	24.0	0.0	
Channel				506000	518598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dB)		
60	QPSK	1	1	22.64	22.64	22.59	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dB)		
50	QPSK	1	1	22.60	22.62	22.64	24.0	0.0	
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dB)		
40	QPSK	1	1	22.66	22.64	22.62	24.0	0.0	
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dB)		
30	QPSK	1	1	22.59	22.60	22.60	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.01	2592.99	2679.99	(dB)		
20	QPSK	1	1	22.60	22.69	22.64	24.0	0.0	
Channel				500700	518598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dB)		
15	QPSK	1	1	22.67	22.66	22.61	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dB)		
10	QPSK	1	1	22.63	22.65	22.62	24.0	0.0	

ENDC
Full Power Mode

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Tune-up loss (dBm)	MPR (dB)	
Channel									
				854	856.5	858			
20	QPSK	1	1	23.22	23.28	23.32			
Frequency (MHz)									
20	QPSK	1	53	23.32	23.32	23.32	24.7	0.0	
20	QPSK	1	104	23.32	23.22	23.12			
20	QPSK	50	0	23.12	23.34	23.75	23.7	1.0	
20	QPSK	50	20	23.22	23.30	23.22	24.7	0.0	
20	QPSK	50	36	23.32	23.31	23.30	23.7	1.0	
20	QPSK	100	0	23.71	23.74	23.72			
20	16QAM	1	1	21.84	22.02	22.08	23.1	1.0	
20	16QAM	1	1	20.50	20.50	20.52	22.2	2.5	
20	256QAM	1	1	19.16	19.22	19.21	20.2	4.5	
Channel									
				851.8	858.5	861.5			
Frequency (MHz)									
15	QPSK	1	1	23.18	23.24	23.11	24.7	0.0	
Channel									
				859	856.5	854			
Frequency (MHz)									
10	QPSK	1	1	23.22	23.21	23.16	24.7	0.0	
Channel									
				855.00	167.000	165.000			
Frequency (MHz)									
5	QPSK	1	1	23.13	23.13	23.13	24.7	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Tune-up loss (dBm)	MPR (dB)	
Channel									
				854	856.5	858			
20	QPSK	1	1	23.22	23.16	23.12			
Frequency (MHz)									
20	QPSK	1	53	23.22	23.28	23.32	24.4	0.0	
20	QPSK	1	104	23.04	23.14	23.04			
20	QPSK	50	0	21.40	21.48	21.47	23.4	1.0	
20	QPSK	50	20	21.25	23.22	23.20	24.4	0.0	
20	QPSK	50	36	21.41	21.42	21.40	23.4	1.0	
20	QPSK	100	0	21.48	21.43	21.41			
20	16QAM	1	1	21.86	21.89	21.87	23.4	1.0	
20	16QAM	1	1	20.40	20.54	20.40	21.9	2.5	
20	256QAM	1	1	19.10	19.16	19.10	19.9	4.5	
Channel									
				851.5	858.5	861.5			
Frequency (MHz)									
15	QPSK	1	1	23.14	23.18	23.10	24.4	0.0	
Channel									
				859	856.5	854			
Frequency (MHz)									
10	QPSK	1	1	23.12	23.10	23.10	24.4	0.0	
Channel									
				165.000	167.000	165.000			
Frequency (MHz)									
5	QPSK	1	1	23.10	23.22	23.10	24.4	0.0	

n7_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Tune-up loss (dBm)	MPR (dB)	
Channel									
				50500	50700	50900			
20	QPSK	1	1	23.23	23.16	23.12			
Frequency (MHz)									
50	QPSK	1	135	23.13	23.22	23.11	24.2	0.0	
50	QPSK	1	265	23.04	23.07	23.04			
50	QPSK	135	0	23.09	23.02	23.00	21.7	2.5	
50	QPSK	135	68	23.05	23.10	23.00	24.2	0.0	
50	QPSK	135	135	23.00	23.00	23.04			
50	QPSK	270	0	20.82	20.97	20.80	21.7	2.5	
50	16QAM	1	1	21.70	21.79	21.70	23.2	1.0	
50	16QAM	1	1	20.32	20.33	20.30	21.7	2.5	
50	256QAM	1	1	18.83	18.82	18.80	19.7	4.5	
Channel									
				2500	2535	2550			
Frequency (MHz)									
40	QPSK	1	1	22.97	22.98	22.90	24.2	0.0	
Channel									
				2515	2535	2555			
Frequency (MHz)									
30	QPSK	1	1	22.09	23.03	22.08	24.2	0.0	
Channel									
				50500	50700	51100			
Frequency (MHz)									
25	QPSK	1	1	22.08	22.08	22.10			
Channel									
				50500	50700	51200			
Frequency (MHz)									
20	QPSK	1	1	22.06	22.01	22.01	24.2	0.0	
Channel									
				50500	50700	51200			
Frequency (MHz)									
15	QPSK	1	1	22.02	22.05	22.00	24.2	0.0	
Channel									
				2500	2535	2550			
Frequency (MHz)									
10	QPSK	1	1	22.04	22.01	22.01	24.2	0.0	
Channel									
				2500.5	2535	2567.5			
Frequency (MHz)									
5	QPSK	1	1	22.01	22.00	22.00	24.2	0.0	

n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Middle Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Tune-up loss (dBm)	MPR (dB)	
Channel									
				2500	2535	2565			
50	QPSK	1	1	22.17	22.04	22.04			
50	QPSK	1	135	22.04	22.04	22.04	23.5	0.0	
50	QPSK	1	265	22.39	22.48	22.42			
50	QPSK	135	0	19.34	20.04	20.01	21.0	2.5	
50	QPSK	135	68	19.30	22.08	22.00	23.0	0.0	
50	QPSK	135	135	19.30	20.02	19.30	21.0	2.5	
50	QPSK	270	0	18.95	19.00	18.95			
50	16QAM	1	1	21.24	21.27	21.20	22.0	1.0	
50	16QAM	1	1	19.75	19.79	19.72	21.0	2.5	
50	256QAM	1	1	18.30	18.37	18.30	19.0	4.5	
Channel									
				2500	2535	2550			
40	QPSK	1	1	22.49	22.45	22.50	23.5	0.0	
Channel									
				50500	50700	51100			
30	QPSK	1	1	22.05	22.02	22.00	23.5	0.0	
Channel									
				50500	50700	51200			
25	QPSK	1	1	22.00	22.02	22.00			
Channel									
				50500	50700	51200			
20	QPSK	1	1	22.05	22.08	22.04	23.5	0.0	
Channel									
				50500	50700	51200			
15	QPSK	1	1	22.48	22.41	22.32	23.5	0.0	
Channel									
				2500	2535	2550			
10	QPSK	1	1	22.00	22.40	22.00	23.5	0.0	
Channel									
				2500.5	2535	2567.5			
5	QPSK	1	1	22.02	22.00	22.			

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up loss (dBm)	SPLR (dB)	
Channel									
				50500	50700	50900			
				2320	2335	2345			
50	QPSK	1	1	22.18	22.15	22.13			
Frequency [MHz]									
50	QPSK	1	135	22.21	22.25	22.16	23.0	0.0	
50	QPSK	1	268	21.97	22.07	22.09			
50	QPSK	135	0	19.97	19.97	19.95	20.5	2.5	
50	QPSK	135	168	22.05	22.17	22.13	23.0	0.0	
50	QPSK	270	0	19.93	19.95	19.94			
50	QPSK	270	135	19.94	19.94	19.97	20.5	2.5	
50	16QAM	1	1	20.89	20.92	20.89	22.0	1.0	
50	256QAM	1	1	18.08	18.09	18.08	18.5	4.5	
Channel									
				2320	2335	2350			
Frequency [MHz]									
40	QPSK	1	1	22.20	22.22	22.11	23.0	0.0	
Frequency [MHz]									
30	QPSK	1	1	23.10	23.15	23.00			
Channel									
				50500	50700	50900	Tune-up loss (dBm)	SPLR	
25	QPSK	1	1	22.18	22.18	22.15	23.0	0.0	
Channel									
				50500	50700	50900	Tune-up loss (dBm)	SPLR	
20	QPSK	1	1	22.20	22.19	22.11	23.0	0.0	
Channel									
				50500	50700	50900	Tune-up loss (dBm)	SPLR	
15	QPSK	1	1	22.21	22.22	22.18	23.0	0.0	
Channel									
				50500	50700	50900	Tune-up loss (dBm)	SPLR	
10	QPSK	1	1	22.21	22.22	22.18	23.0	0.0	
Channel									
				50500	50700	50900	Tune-up loss (dBm)	SPLR	
5	QPSK	1	1	22.15	22.21	22.16	23.0	0.0	
Channel									
				2320	2335	2347.5			
5	QPSK	1	1	22.18	22.21	22.14	23.0	0.0	

n26_Ant 0									
Sig [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up loss (dBm)	SPLR (dB)	
Channel									
				844	841.5	839			
20	QPSK	1	1	23.28	23.14	23.24			
Frequency [MHz]									
20	QPSK	1	51	23.43	23.45	23.41	24.7	0.0	
20	QPSK	1	104	23.20	23.20	23.20			
20	QPSK	50	0	23.34	23.41	23.32	23.7	1.0	
20	QPSK	50	26	23.32	23.40	23.34	24.7	0.0	
20	QPSK	50	50	23.34	23.41	23.38	23.7	1.0	
20	QPSK	100	0	23.28	23.38	23.28			
20	16QAM	1	1	22.08	22.10	22.04	23.7	1.0	
20	16QAM	1	1	20.55	20.65	20.58	22.2	2.5	
20	256QAM	1	1	19.27	19.29	19.25	20.2	4.5	
Channel									
				841.5	841.5	841.5			
Frequency [MHz]									
15	QPSK	1	1	23.24	23.31	23.27	0.0	0.0	
Channel									
				841	841.5	844			
Frequency [MHz]									
10	QPSK	1	1	23.28	23.35	23.25	0.0	0.0	
Channel									
				16300	16300	16300	Tune-up loss (dBm)	SPLR	
5	QPSK	1	1	23.32	23.32	23.34	0.0	0.0	

n26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch.1 Freq.	Power Middle Ch.1 Freq.	Power High Ch.1 Freq.	Tune-up loss (dBm)	SPLR (dB)	
Channel									
				844	841.5	839			
20	QPSK	1	1	23.28	23.14	23.32			
Frequency [MHz]									
20	QPSK	1	51	23.43	23.45	23.41	24.5	0.0	
20	QPSK	1	104	23.19	23.29	23.19			
20	QPSK	50	0	23.28	23.35	23.42	23.5	1.0	
20	QPSK	50	26	23.31	23.37	23.35	24.5	0.0	
20	QPSK	50	50	23.28	23.33	23.32	23.5	1.0	
20	QPSK	100	0	23.24	23.40	23.28			
20	16QAM	1	1	22.11	22.14	22.02	23.5	1.0	
20	16QAM	1	1	20.01	20.00	20.02	22.0	2.5	
20	256QAM	1	1	19.20	19.31	19.25	20.0	4.5	
Channel									
				841.5	841.5	841.5			
Frequency [MHz]									
15	QPSK	1	1	23.23	23.31	23.26	0.0	0.0	
Channel									
				841	841.5	844			
Frequency [MHz]									
10	QPSK	1	1	23.28	23.35	23.32	0.0	0.0	
Channel									
				16300	16300	16300	Tune-up loss (dBm)	SPLR	
5	QPSK	1	1	23.34	23.32	23.35	0.0	0.0	

n66_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 1 Freq.	Power High Ch. 1 Freq.	Tune-up loss (dBm)	SPLR (dB)	
Channel									
				34500	34500	34500			
Frequency [MHz]									
40	QPSK	1	1	21.03	21.03	21.07			
40	QPSK	1	168	21.08	21.12	21.09	24.4	0.0	
40	QPSK	1	214	21.00	21.01	21.00			
40	QPSK	168	0	21.40	21.43	21.41	23.4	1.0	
40	QPSK	168	54	21.35	21.37	21.35	24.4	0.0	
40	QPSK	168	168	21.42	21.43	21.41	23.4	1.0	
40	QPSK	216	0	21.40	21.41	21.40			
40	16QAM	1	1	21.75	21.80	21.74	23.4	1.0	
40	16QAM	1	1	20.41	20.52	20.32	21.0	2.5	
40	256QAM	1	1	19.31	19.32	19.31	19.0	4.5	
Channel									
				34500	34500	34500			
Frequency [MHz]									
30	QPSK	1	1	23.03	23.02	23.08	24.4	0.0	
Channel									
				1742.5	1745	1747.5			
Frequency [MHz]									
25	QPSK	1	1	23.03	23.02	23.07	24.4	0.0	
Channel									
				34500	34500	34500	Tune-up loss (dBm)	SPLR	
20	QPSK	1	1	23.04	23.11	23.04	24.4	0.0	
Channel									
				34500	34500	34500	Tune-up loss (dBm)	SPLR	
15	QPSK	1	1	23.05	23.08	23.06	24.4	0.0	
Channel									
				34500	34500	34500	Tune-up loss (dBm)	SPLR	
10	QPSK	1	1	23.07	23.10	23.03	24.4	0.0	
Channel									
				1742.5	1745	1747.5			
Frequency [MHz]									
5	QPSK	1	1	23.05	23.05	23.05	24.4	0.0	

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Media Ch. F (MHz)	Power High Ch. F (MHz)	Time-up loss (dBm)	MPS (dB)	
Channel				344000	349000	352000			
Frequency (MHz)				1725	1745	1765			
40	QPSK	1	1	22.74	22.83	22.78			
40	QPSK	1	168	22.83	22.85	22.85	23.9	0.0	
40	QPSK	1	214	22.70	22.75	22.70			
40	QPSK	168	5	22.91	23.94	23.92	22.9	1.0	
40	QPSK	168	54	22.51	22.88	22.55	23.9	0.0	
40	QPSK	168	168	20.92	20.93	20.92			
40	QPSK	216	5	20.92	21.94	20.98	22.9	1.0	
40	16QAM	1	1	21.85	21.88	21.85	22.9	1.0	
40	16QAM	1	1	20.78	20.79	20.75	21.4	2.5	
40	256QAM	1	1	18.81	18.82	18.75	19.4	4.5	
Channel				352000	349000	344000			
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	22.68	22.75	22.75	23.9	0.0	
Channel				349000	344000	340000			
Frequency (MHz)				1722.5	1745	1717.5			
20	QPSK	1	1	22.78	22.77	22.78	23.9	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	22.59	22.75	22.59	23.9	0.0	
Channel				349000	349000	354000			
Frequency (MHz)				1714.5	1745	1775.5			
15	QPSK	1	1	22.71	22.74	22.76	23.9	0.0	
Channel				349000	349000	352000			
Frequency (MHz)				1718	1745	1775			
10	QPSK	1	1	22.75	22.81	22.75	23.9	0.0	
Channel				352000	349000	344000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.73	22.77	22.75	23.9	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Media Ch. F (MHz)	Power High Ch. F (MHz)	Time-up loss (dBm)	MPS (dB)	
Channel				344000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	1	22.13	22.75	22.74			
40	QPSK	1	168	22.40	22.21	22.15	23.2	0.0	
40	QPSK	1	214	21.99	22.88	21.98			
40	QPSK	168	5	20.23	22.27	20.21	22.2	1.0	
40	QPSK	168	54	22.11	22.18	22.09	23.2	0.0	
40	QPSK	168	168	20.51	20.24	20.24			
40	QPSK	216	5	20.23	20.53	20.27	22.2	1.0	
40	16QAM	1	1	20.89	20.92	20.91	22.2	1.0	
40	16QAM	1	1	19.37	19.42	19.35	20.7	2.5	
40	256QAM	1	1	17.97	18.06	18.01	18.7	4.5	
Channel				352000	349000	344000			
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	22.16	22.13	22.14	23.2	0.0	
Channel				349000	344000	340000			
Frequency (MHz)				1722.5	1745	1717.5			
20	QPSK	1	1	22.19	22.14	22.12	23.2	1.0	
Channel				344000	349000	354000			
Frequency (MHz)				1725	1745	1765			
20	QPSK	1	1	22.15	22.75	22.28	23.2	0.0	
Channel				349000	349000	354000			
Frequency (MHz)				1714.5	1745	1775.5			
15	QPSK	1	1	22.14	22.18	22.06	23.2	0.0	
Channel				349000	349000	352000			
Frequency (MHz)				1718	1745	1775			
10	QPSK	1	1	22.13	22.20	22.09	23.2	0.0	
Channel				352000	349000	344000			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.17	22.12	22.05	23.2	0.0	

n38_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				518004	518000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.59	23.62	23.52			
40	QPSK	1	53	23.67	23.69	23.63	24.7	0.0	
40	QPSK	1	104	23.51	23.54	23.44			
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	23.63	23.65	23.57	24.7	0.0	
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	1.0	
40	16QAM	1	1	22.30	22.36	22.30	23.7	1.0	
40	64QAM	1	1	20.78	20.85	20.78	22.2	2.5	
40	256QAM	1	1	19.40	19.47	19.42	20.2	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2584.01	2595	2604.99			
30	QPSK	1	1	23.56	23.60	23.49	24.7	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	23.50	23.54	23.43	24.7	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	23.53	23.56	23.45	24.7	0.0	
Channel				510002	510000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	23.58	23.54	23.49	24.7	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2578.02	2595	2614.98			
10	QPSK	1	1	23.51	23.53	23.45	24.7	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.87	22.93	22.88			
40	QPSK	1	53	22.99	23.08	23.05	24.2	0.0	
40	QPSK	1	104	22.84	22.86	22.81			
40	QPSK	50	0	21.80	21.84	21.77			
40	QPSK	50	28	22.75	22.85	22.84	24.2	0.0	
40	QPSK	50	56	21.74	21.80	21.78			
40	QPSK	100	0	21.72	21.73	21.67	23.2	1.0	
40	16QAM	1	1	21.60	21.62	21.52	23.2	1.0	
40	64QAM	1	1	20.06	20.13	20.06	21.7	2.5	
40	256QAM	1	1	18.65	18.70	18.67	19.7	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2584.01	2595	2604.99			
30	QPSK	1	1	22.95	23.00	22.96	24.2	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.89	23.07	23.03	24.2	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.98	23.07	22.94	24.2	0.0	
Channel				510002	510000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.90	22.99	22.96	24.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2578.02	2595	2614.98			
10	QPSK	1	1	22.95	23.00	23.01	24.2	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.58	22.48			
40	QPSK	1	53	22.64	22.68	22.63	23.8	0.0	
40	QPSK	1	104	22.41	22.48	22.41			
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	28	22.34	22.42	22.38	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25	22.8	1.0	
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5	
40	256QAM	1	1	18.34	18.40	18.35	19.3	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2584.01	2595	2604.99			
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.60	22.64	22.54	23.8	0.0	
Channel				518000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.56	22.64	22.59	23.8	0.0	
Channel				510002	510000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.55	22.60	22.59	23.8	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2578.02	2595	2614.98			
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0	

FCC_n41_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				589202	518598	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	23.55	23.60	23.52			
100	QPSK	1	137	23.69	23.71	23.67	24.7	0.0	
100	QPSK	1	271	23.54	23.55	23.51			
100	QPSK	135	0	21.09	21.11	21.04			
100	QPSK	135	69	23.56	23.65	23.60	24.7	0.0	
100	QPSK	135	138	20.93	20.95	20.87			
100	QPSK	270	0	20.83	20.82	20.87	22.2	2.5	
100	16QAM	1	1	22.31	22.35	22.25	23.7	1.0	
100	64QAM	1	1	20.78	20.87	20.77	22.2	2.5	
100	256QAM	1	1	19.44	19.48	19.42	20.2	4.5	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.85	23.67	23.59	24.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	23.04	23.67	23.60	24.7	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	23.68	23.65	23.66	24.7	0.0	
Channel				503204	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2684.99			
50	QPSK	1	1	23.58	23.68	23.66	24.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
40	QPSK	1	1	23.66	23.62	23.66	24.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.61	23.67	23.57	24.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.98			
20	QPSK	1	1	23.59	23.69	23.61	24.7	0.0	
Channel				507200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.58	23.68	23.59	24.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2491.01	2592.99	2685			
10	QPSK	1	1	23.58	23.69	23.61	24.7	0.0	

FCC_n41_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									
Frequency (MHz)				509992	518598	528000			
				2546.01	2592.99	2640			
100	QPSK	1	1	22.93	22.98	22.95			
100	QPSK	1	137	23.08	23.12	23.02	24.2	0.0	
100	QPSK	1	271	23.00	23.03	22.95			
100	QPSK	135	0	20.38	20.45	20.41			
100	QPSK	135	69	22.85	22.94	22.91	24.2	0.0	
100	QPSK	135	138	20.22	20.31	20.25			
100	QPSK	270	0	20.23	20.28	20.23	21.7	2.5	
100	16QAM	1	1	21.70	21.71	21.66	23.2	1.0	
100	64QAM	1	1	20.15	20.25	20.22	21.7	2.5	
100	256QAM	1	1	18.76	18.83	18.76	19.7	4.5	
Channel									
Frequency (MHz)				505200	518598	529998	Tune-up limit (dBm)	MPR	
				2541	2592.99	2644.98	(dBm)		
90	QPSK	1	1	22.99	23.10	22.94	24.2	0.0	
Channel									
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR	
				2536.02	2592.99	2543.99	(dBm)		
80	QPSK	1	1	23.00	23.08	22.99	24.2	0.0	
Channel									
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR	
				2526	2592.99	2659.98	(dBm)		
60	QPSK	1	1	23.07	23.05	23.01	24.2	0.0	
Channel									
Frequency (MHz)				503204	518598	533998	Tune-up limit (dBm)	MPR	
				2521.02	2592.99	2684.99	(dBm)		
50	QPSK	1	1	23.06	23.05	22.93	24.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR	
				2511	2592.99	2674.98	(dBm)		
40	QPSK	1	1	23.05	23.10	22.97	24.2	0.0	
Channel									
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR	
				2511	2592.99	2674.98	(dBm)		
30	QPSK	1	1	23.03	23.04	23.00	24.2	0.0	
Channel									
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR	
				2502.02	2592.99	2679.98	(dBm)		
20	QPSK	1	1	23.00	23.07	23.01	24.2	0.0	
Channel									
Frequency (MHz)				500700	518598	534998	Tune-up limit (dBm)	MPR	
				2503.5	2592.99	2682.48	(dBm)		
15	QPSK	1	1	23.03	23.07	22.93	24.2	0.0	
Channel									
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR	
				2501.81	2592.99	2685	(dBm)		
10	QPSK	1	1	23.07	23.03	23.01	24.2	0.0	

FCC_n41_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									
Frequency (MHz)				509202	518598	528000			
				2546.01	2592.99	2640			
100	QPSK	1	1	22.52	22.60	22.58			
100	QPSK	1	137	22.69	22.70	22.65	24.0	0.0	
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0	
100	QPSK	135	138	19.80	19.86	19.83			
100	QPSK	270	0	19.86	19.88	19.78	21.5	2.5	
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0	
100	64QAM	1	1	19.80	19.87	19.81	21.5	2.5	
100	256QAM	1	1	18.44	18.47	18.41	19.5	4.5	
Channel									
Frequency (MHz)				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
				2641	2692.99	2644.98	(dBm)		
90	QPSK	1	1	22.85	22.66	22.65	24.0	0.0	
Channel									
Frequency (MHz)				507204	516598	525998	Tune-up limit (dBm)	MPR (dB)	
				2538.02	2592.99	2649.99	(dBm)		
80	QPSK	1	1	22.71	22.63	22.67	24.0	0.0	
Channel									
Frequency (MHz)				505200	516598	525998	Tune-up limit (dBm)	MPR (dB)	
				2626	2692.99	2658.98	(dBm)		
80	QPSK	1	1	22.64	22.64	22.59	24.0	0.0	
Channel									
Frequency (MHz)				504204	516598	525998	Tune-up limit (dBm)	MPR (dB)	
				2613.05	2692.99	2644.99	(dBm)		
80	QPSK	1	1	22.60	22.62	22.64	24.0	0.0	
Channel									
Frequency (MHz)				503202	516598	524000	Tune-up limit (dBm)	MPR (dB)	
				2516.01	2592.99	2670	(dBm)		
40	QPSK	1	1	22.66	22.64	22.62	24.0	0.0	
Channel									
Frequency (MHz)				501200	515598	523000	Tune-up limit (dBm)	MPR (dB)	
				2501.03	2592.99	2674.98	(dBm)		
30	QPSK	1	1	22.59	22.60	22.60	24.0	0.0	
Channel									
Frequency (MHz)				501204	516598	525998	Tune-up limit (dBm)	MPR (dB)	
				2507.02	2592.99	2659.99	(dBm)		
20	QPSK	1	1	22.60	22.62	22.64	24.0	0.0	
Channel									
Frequency (MHz)				500700	516598	524006	Tune-up limit (dBm)	MPR (dB)	
				2503.55	2592.99	2692.48	(dBm)		
15	QPSK	1	1	22.63	22.66	22.61	24.0	0.0	
Channel									
Frequency (MHz)				500202	515598	523000	Tune-up limit (dBm)	MPR (dB)	
				2501.03	2592.99	2685	(dBm)		
10	QPSK	1	1	22.63	22.65	22.62	24.0	0.0	

Reduced Power Mode for ECI3

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Mode Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Turn-up time (dBm)
Channel				854	856.5	858	
20	QPSK	1	1	23.2	23.28	23.32	
20	QPSK	1	53	23.32	23.32	23.32	24.7
20	QPSK	1	104	23.32	23.32	23.32	
20	QPSK	50	8	23.32	23.34	23.32	23.7
20	QPSK	50	26	23.32	23.38	23.32	24.7
20	QPSK	50	36	23.32	23.31	23.32	23.7
20	QPSK	100	0	23.31	23.34	23.32	23.7
20	16QAM	1	1	23.34	23.32	23.38	23.7
20	16QAM	1	1	23.35	23.38	23.32	23.7
20	256QAM	1	1	19.16	19.22	19.21	20.2
Channel				851.8	858.5	861.5	
15	QPSK	1	1	23.18	23.24	23.11	24.7
Channel				859	866.5	869	
10	QPSK	1	1	23.22	23.21	23.26	24.7
Channel				858.08	867.08	868.08	
5	QPSK	1	1	23.21	23.23	23.13	24.7

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Mode Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Turn-up time (dBm)
Channel				854	856.5	858	
20	QPSK	1	1	23.28	23.16	23.32	
20	QPSK	1	53	23.28	23.28	23.28	24.4
20	QPSK	1	104	23.24	23.14	23.34	
20	QPSK	50	8	23.42	23.48	23.42	23.4
20	QPSK	50	26	23.35	23.22	23.28	24.4
20	QPSK	50	36	23.41	23.42	23.41	23.4
20	QPSK	100	0	23.48	23.43	23.41	23.4
20	16QAM	1	1	21.86	21.89	21.87	23.4
20	16QAM	1	1	20.46	20.54	20.46	21.9
20	256QAM	1	1	19.15	19.16	19.16	19.9
Channel				851.5	858.5	861.5	
15	QPSK	1	1	23.14	23.18	23.19	24.4
Channel				859	866.5	869	
10	QPSK	1	1	23.12	23.12	23.15	24.4
Channel				858.08	867.08	868.08	
5	QPSK	1	1	23.10	23.22	23.15	24.4

n7_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Mode Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Turn-up time (dBm)
Channel				90000	90000	90000	
50	QPSK	1	1	22.62	22.62	22.62	
50	QPSK	1	135	22.65	22.78	22.65	23.7
50	QPSK	1	268	22.57	22.59	22.57	
50	QPSK	135	5	22.59	22.62	22.59	21.7
50	QPSK	135	48	22.55	22.68	22.57	23.7
50	QPSK	135	135	22.59	22.59	22.54	21.7
50	QPSK	270	5	20.62	20.57	20.65	21.7
50	16QAM	1	1	21.75	21.79	21.75	23.2
50	16QAM	1	1	20.32	20.33	20.32	21.7
50	256QAM	1	1	18.83	18.82	18.88	19.7
Channel				90000	90000	90000	
Frequency (MHz)				2500	2500	2500	
40	QPSK	1	1	22.55	22.58	22.62	23.7
Channel				2515	2515	2515	
Frequency (MHz)				2515	2515	2515	
30	QPSK	1	1	22.59	22.56	22.68	21.7
Channel				90000	90000	90000	
Frequency (MHz)				2121.5	2120	2121.5	
25	QPSK	1	1	22.44	22.49	22.48	23.7
Channel				90000	90000	90000	
20	QPSK	1	1	22.58	22.62	22.68	23.7
Channel				90000	90000	90000	
Frequency (MHz)				2500	2500	2500	
15	QPSK	1	1	22.83	22.68	22.62	23.7
Channel				2500	2500	2500	
10	QPSK	1	1	22.60	22.58	22.61	23.7
Channel				2500	2500	2500	
Frequency (MHz)				2502.5	2503	2502.5	
5	QPSK	1	1	22.53	22.58	22.61	23.7

n7_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq)	Power Mode Ch. 1 (Freq)	Power High Ch. 1 (Freq)	Turn-up time (dBm)
Channel				90000	90000	90000	
50	QPSK	1	1	21.61	21.61	21.61	
50	QPSK	1	135	21.68	21.68	21.62	22.5
50	QPSK	1	268	21.53	21.58	21.57	
50	QPSK	135	5	21.54	21.54	21.51	21.9
50	QPSK	135	48	21.51	21.64	21.51	22.9
50	QPSK	135	135	21.56	21.52	21.56	21.9
50	QPSK	270	5	19.45	19.49	19.45	21.9
50	16QAM	1	1	21.24	21.27	21.26	22.9
50	16QAM	1	1	19.15	19.19	19.12	21.9
50	256QAM	1	1	18.30	18.37	18.36	19.9
Channel				90000	90000	90000	
Frequency (MHz)				2500	2500	2500	
40	QPSK	1	1	21.52	21.53	21.53	22.9
Channel				2515	2515	2515	
Frequency (MHz)				2515	2515	2515	
30	QPSK	1	1	21.48	21.60	21.58	22.9
Channel				90000	90000	90000	
Frequency (MHz)				2121.5	2120	2121.5	
25	QPSK	1	1	21.50	21.63	21.54	22.9
Channel				90000	90000	90000	
20	QPSK	1	1	21.48	21.61	21.61	22.9
Channel				90000	90000	90000	
Frequency (MHz)				2500	2500	2500	
15	QPSK	1	1	21.51	21.61	21.58	22.9
Channel				2500	2500	2500	
10	QPSK	1	1	21.50	21.62	21.60	22.9
Channel				2500	2500	2500	
Frequency (MHz)				2502.5	2503	2502.5	
5	QPSK	1	1	21.60	21.63	21.68	22.9

n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up loss (dBm)	MPR (dB)	
Channel									
				50500	50700	50900			
				23.25	23.25	23.25			
50	QPSK	1	1	22.12	22.15	22.13			
50	QPSK	1	135	22.23	22.25	22.16	23.0	0.0	
50	QPSK	1	268	21.97	22.07	22.09			
50	QPSK	135	0	19.97	19.97	19.95	20.5	2.5	
50	QPSK	135	168	22.05	22.17	22.13	23.0	0.0	
50	QPSK	135	135	19.94	19.94	19.97	20.5	2.5	
50	QPSK	270	0	19.93	19.95	19.94	20.5	2.5	
50	16QAM	1	1	20.89	20.92	20.89	22.0	1.0	
50	256QAM	1	1	19.47	19.44	19.37	20.5	2.5	
50	256QAM	1	1	18.08	18.09	18.08	18.5	4.5	
Channel									
				23.25	23.25	23.25			
				23.25	23.25	22.11	23.0	0.0	
40	QPSK	1	1	22.20	22.22	22.11	23.0	0.0	
Channel									
				23.25	23.25	23.25			
30	QPSK	1	1	23.10	23.15	23.05			
Channel									
				50500	50700	50700	Tune-up loss (dBm)	MPR	
25	QPSK	1	1	22.15	22.15	22.15	23.0	0.0	
Channel									
				50500	50700	50700	Tune-up loss (dBm)	MPR	
20	QPSK	1	1	22.20	22.19	22.11	23.0	0.0	
Channel									
				50500	50700	50700	Tune-up loss (dBm)	MPR	
15	QPSK	1	1	22.21	22.22	22.18	23.0	0.0	
Channel									
				50500	50700	50700	Tune-up loss (dBm)	MPR	
10	QPSK	1	1	22.15	22.21	22.16	23.0	0.0	
Channel									
				23.25	23.25	23.17			
5	QPSK	1	1	22.13	22.21	22.14	23.0	0.0	

n26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up loss (dBm)	MPR (dB)	
Channel									
				804	811.5	819			
20	QPSK	1	1	813.28	813.24	813.24			
20	QPSK	1	51	814.45	813.45	813.61	24.7	0.0	
20	QPSK	1	104	813.20	813.30	813.32			
20	QPSK	50	0	813.34	813.41	813.32	23.7	1.0	
20	QPSK	50	26	813.25	813.40	813.34	24.7	0.0	
20	QPSK	50	50	813.34	813.41	813.36	23.7	1.0	
20	QPSK	100	0	813.33	813.38	813.28			
20	16QAM	1	1	813.08	813.10	813.04	23.7	1.0	
20	16QAM	1	1	813.05	813.05	813.05	22.2	2.5	
20	256QAM	1	1	812.97	812.99	812.95	20.2	4.5	
Channel									
				811.5	811.5	811.5			
				811.5	811.5	811.5	0.0	0.0	
15	QPSK	1	1	813.24	813.31	813.27	0.0	0.0	
Channel									
				811	811.5	811			
10	QPSK	1	1	813.20	813.15	813.20	0.0	0.0	
Channel									
				163300	163500	163500	Tune-up loss (dBm)	MPR	
5	QPSK	1	1	163.15	163.15	163.15	0.0	0.0	
5	QPSK	1	1	23.22	23.22	23.24	0.0	0.0	

n26_Ant 1									
SC (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up loss (dBm)	MPR	
Channel									
Frequency (MHz)				804	811.5	819			
20	QPSK	1	1	23.28	23.24	23.20			
20	QPSK	1	51	23.28	23.24	23.20	24.5	0.0	
20	QPSK	1	104	23.18	23.28	23.19			
20	QPSK	50	0	23.28	23.25	23.20	23.5	1.0	
20	QPSK	50	26	23.21	23.27	23.25	24.5	0.0	
20	QPSK	50	50	23.35	23.22	23.20	23.5	1.0	
20	QPSK	100	0	23.34	23.28	23.20	23.5	1.0	
20	16QAM	1	1	23.11	23.24	23.22	23.5	1.0	
20	16QAM	1	1	23.01	23.20	23.22	22.2	2.5	
20	256QAM	1	1	19.30	19.31	19.29	20.0	4.5	
Channel									
Frequency (MHz)				807	807	808.5	Tune-up loss (dBm)	MPR	
15	QPSK	1	1	23.23	23.31	23.26	0.0	0.0	
Channel									
Frequency (MHz)				811	811	811			
10	QPSK	1	1	23.20	23.16	23.20	0.0	0.0	
Channel									
Frequency (MHz)				80700	80700	80700	Tune-up loss (dBm)	MPR	
5	QPSK	1	1	23.24	23.22	23.20	0.0	0.0	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up loss (dBm)	SPLR (dB)	
Channel									
				1930	1945	1960			
40	QPSK	1	1	21.03	21.03	21.07			
40	QPSK	1	168	21.08	21.12	21.09	24.4	0.0	
40	QPSK	1	214	21.00	21.01	21.00			
40	QPSK	168	0	21.40	21.43	21.41	23.4	1.0	
40	QPSK	168	54	21.35	21.37	21.35	24.4	0.0	
40	QPSK	168	168	21.42	21.43	21.41	23.4	1.0	
40	QPSK	216	0	21.40	21.41	21.40	23.4	1.0	
40	16QAM	1	1	21.75	21.80	21.74	23.4	1.0	
40	16QAM	1	1	20.41	20.42	20.32	21.0	2.5	
40	256QAM	1	1	19.91	19.92	19.97	19.0	4.5	
Channel									
				1930	1945	1960			
				1930	1945	1960	0.0	0.0	
30	QPSK	1	1	20.90	20.92	20.90	24.4	0.0	
Channel									
				1942.5	1945	1947.5			
25	QPSK	1	1	21.00	21.02	21.02	24.4	1.0	
Channel									
				34500	34500	34500	Tune-up loss (dBm)	MPR	
20	QPSK	1	1	21.04	21.04	21.04	24.4	1.0	
Channel									
				34500	34500	34500	Tune-up loss (dBm)	MPR	
15	QPSK	1	1	23.05	23.06	23.06	24.4	0.0	
Channel									
				34500	34500	34500	Tune-up loss (dBm)	MPR	
10	QPSK	1	1	23.07	23.10	23.03	24.4	0.0	
Channel									
				1712.5	1715	1717.5			
5	QPSK	1	1	23.05	23.05	23.05	24.4	0.0	

n66_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Media Ch. F (MHz)	Power High Ch. F (MHz)	Time-up test (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
40	QPSK	1	1	22.74	22.83	22.78		
40	QPSK	1	168	22.83	22.85	22.85	23.9	0.0
40	QPSK	1	214	22.70	22.75	22.70		
40	QPSK	168	5	22.91	22.94	22.92	22.9	1.0
40	QPSK	168	54	22.51	22.88	22.55	23.9	0.0
40	QPSK	168	168	20.92	20.93	20.92		
40	QPSK	216	5	20.92	21.04	20.99	22.9	1.0
40	16QAM	1	1	21.85	21.88	21.85	22.9	1.0
40	16QAM	1	1	20.18	20.19	20.15	21.4	2.5
40	256QAM	1	1	18.81	18.82	18.75	19.4	4.5
Channel				357000	361000	365000		
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.68	22.75	22.75	23.9	0.0
Channel				367000	371000	375000		
Frequency (MHz)				1722.5	1743	1767.5		
25	QPSK	1	1	22.78	22.77	22.78	23.9	0.0
Channel				345000	349000	353000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.59	22.75	22.59	23.9	0.0
Channel				345000	349000	353000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1718.5	1745	1773.5		
15	QPSK	1	1	22.71	22.74	22.76	23.9	0.0
Channel				345000	349000	353000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1718.5	1745	1773.5		
10	QPSK	1	1	22.75	22.81	22.75	23.9	0.0
Channel				357000	361000	365000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.75	22.77	22.75	23.9	0.0

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Media Ch. F (MHz)	Power High Ch. F (MHz)	Time-up test (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1735	1745	1765		
40	QPSK	1	1	22.13	22.15	22.14		
40	QPSK	1	168	22.20	22.21	22.15	23.2	0.0
40	QPSK	1	214	21.99	22.08	21.98		
40	QPSK	168	5	20.23	20.27	20.21	22.2	1.0
40	QPSK	168	54	20.11	20.18	20.09	23.2	0.0
40	QPSK	168	168	20.51	20.54	20.54		
40	QPSK	216	5	20.23	20.53	20.27	22.2	1.0
40	16QAM	1	1	20.89	20.92	20.91	22.2	1.0
40	16QAM	1	1	19.37	19.42	19.35	20.7	2.5
40	256QAM	1	1	17.97	18.06	18.01	18.7	4.5
Channel				367000	371000	375000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.16	22.13	22.14	23.2	0.0
Channel				367000	371000	375000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1743	1767.5		
25	QPSK	1	1	22.19	22.14	22.12	23.2	1.0
Channel				345000	349000	353000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.15	22.75	22.28	23.2	0.0
Channel				345000	349000	353000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1718.5	1745	1773.5		
15	QPSK	1	1	22.14	22.18	22.06	23.2	0.0
Channel				345000	349000	353000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1718.5	1745	1773.5		
10	QPSK	1	1	22.13	22.20	22.09	23.2	0.0
Channel				357000	361000	365000	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.17	22.12	22.05	23.2	0.0

n38_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				518004	519000	519996	23.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.56	22.55	22.56		
40	QPSK	1	33	22.60	22.60	22.60	23.7	0.0
40	QPSK	1	104	22.45	22.63	22.57		
40	QPSK	50	0	22.47	22.56	22.48		
40	QPSK	50	28	22.57	22.61	22.57	23.7	0.0
40	QPSK	50	56	22.42	22.46	22.42		
40	QPSK	100	0	22.42	22.50	22.45		
40	16QAM	1	1	22.30	22.36	22.30	23.7	0.0
40	64QAM	1	1	20.78	20.85	20.76	22.2	1.5
40	256QAM	1	1	18.40	18.47	18.42	20.2	3.5
Channel				517002	518000	518998	23.7	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.54	22.56	22.44		
Channel				516004	519000	521496	23.7	0.0
Frequency (MHz)				2582.43	2594	2607.48		
25	QPSK	1	1	22.54	22.55	22.49		
Channel				516000	519000	522000	23.7	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.57	22.63	22.50		
Channel				515502	519000	522498	23.7	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.52	22.52	22.49		
Channel				515004	519000	522996	23.7	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.55	22.56	22.47		

n38_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				518004	519000	519996	21.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	20.49	20.54	20.42		
40	QPSK	1	33	20.52	20.60	20.55	21.7	0.0
40	QPSK	1	104	20.50	20.50	20.46		
40	QPSK	50	0	20.47	20.58	20.43		
40	QPSK	50	28	20.50	20.59	20.54	21.7	0.0
40	QPSK	50	56	20.45	20.46	20.53		
40	QPSK	100	0	20.46	20.55	20.45		
40	16QAM	1	1	20.37	20.53	20.54	21.7	0.0
40	64QAM	1	1	20.06	20.13	20.06	21.7	0.0
40	256QAM	1	1	18.65	18.70	18.67	18.7	2.0
Channel				517002	518000	518998	21.7	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	20.46	20.56	20.46		
Channel				516004	519000	521496	21.7	0.0
Frequency (MHz)				2582.43	2594	2607.48		
25	QPSK	1	1	20.38	20.57	20.40		
Channel				516000	519000	522000	21.7	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	20.43	20.59	20.49		
Channel				515502	519000	522498	21.7	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.38	20.52	20.45		
Channel				515004	519000	522996	21.7	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	20.37	20.57	20.40		

n38_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				518004	519000	519996	23.8	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	QPSK	1	1	22.55	22.58	22.48		
40	QPSK	1	33	22.54	22.68	22.63	23.8	0.0
40	QPSK	1	104	22.41	22.48	22.41		
40	QPSK	50	0	21.42	21.52	21.50		
40	QPSK	50	28	22.34	22.42	22.38	23.8	0.0
40	QPSK	50	56	21.33	21.41	21.34		
40	QPSK	100	0	21.34	21.42	21.32		
40	16QAM	1	1	21.23	21.30	21.25	22.8	1.0
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5
40	256QAM	1	1	18.34	18.40	18.35	18.3	4.5
Channel				517002	518000	518998	23.8	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.62	22.60	22.58		
Channel				516004	519000	521496	23.8	0.0
Frequency (MHz)				2582.43	2594	2607.48		
25	QPSK	1	1	22.60	22.64	22.54		
Channel				516000	519000	522000	23.8	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.65	22.64	22.59		
Channel				515502	519000	522498	23.8	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.55	22.60	22.59		
Channel				515004	519000	522996	23.8	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.60	22.62	22.57		

FCC_n41_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				509202	518598	528000	23.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.61	22.62	22.57			
100	QPSK	1	1	22.61	22.62	22.57	23.7	0.0	
100	QPSK	1	197	22.75	22.65	22.58			
100	QPSK	1	271	22.83	22.65	22.51			
100	QPSK	135	0	21.09	21.11	21.04	23.7	0.0	
100	QPSK	135	69	22.58	22.71	22.59			
100	QPSK	135	138	20.95	20.95	20.87			
100	QPSK	270	0	20.83	20.92	20.87	23.2	1.5	
100	16QAM	1	1	22.31	22.35	22.25			
100	64QAM	1	1	20.78	20.87	20.77			
100	256QAM	1	1	18.44	18.48	18.42	20.2	3.5	
Channel				509202	518598	528000			
Frequency (MHz)				2541	2592.99	2644.88			
90	QPSK	1	1	22.66	22.64	22.64	23.7	0.0	
Channel				507204	518598	529988			
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	22.63	22.65	22.56	23.7	0.0	
Channel				506200	518598	531986			
Frequency (MHz)				2526	2592.99	2659.88			
60	QPSK	1	1	22.60	22.64	22.57	23.7	0.0	
Channel				504204	518598	532988			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.63	22.74	22.55	23.7	0.0	
Channel				502202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.61	22.71	22.62	23.7	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.60	22.65	22.58	23.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.60	22.70	22.51	23.7	0.0	
Channel				500202	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.56	22.68	22.65	23.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.55	22.74	22.59	23.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			

FCC_n41_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				509202	518598	528000	21.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	20.41	20.46	20.46			
100	QPSK	1	197	20.52	20.50	20.57	21.7	0.0	
100	QPSK	1	271	20.44	20.50	20.53			
100	QPSK	135	0	20.38	20.45	20.41			
100	QPSK	135	69	20.45	20.49	20.42	21.7	0.0	
100	QPSK	135	138	20.22	20.31	20.25			
100	QPSK	270	0	20.23	20.28	20.23			
100	16QAM	1	1	20.41	20.57	20.49	21.7	0.0	
100	64QAM	1	1	20.16	20.26	20.22			
100	256QAM	1	1	18.76	18.83	18.76			
Channel				509202	518598	528000	21.7	0.0	
Frequency (MHz)				2541	2592.99	2644.88			
90	QPSK	1	1	20.51	20.58	20.47			
Channel				507204	518598	529988	21.7	0.0	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	20.37	20.45	20.51		21.7	
Channel				506200	518598	531986			
Frequency (MHz)				2526	2592.99	2659.88			
60	QPSK	1	1	20.40	20.54	20.48	21.7	0.0	
Channel				504204	518598	532988			
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.37	20.46	20.55	21.7	0.0	
Channel				502202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.38	20.47	20.50	21.7	0.0	
Channel				502200	518598	534996			
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.50	20.52	20.45	21.7	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.40	20.51	20.44	21.7	0.0	
Channel				500202	518598	536996			
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.48	20.56	20.51	21.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.38	20.54	20.54	21.7	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685			

FCC_n41_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				509202	518598	528000	24.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	QPSK	1	1	22.52	22.60	22.58			
100	QPSK	1	137	22.65	22.75	22.68	24.0	0.0	
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0	
100	QPSK	135	138	19.85	19.88	19.83			
100	QPSK	270	0	19.85	19.88	19.79			
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0	
100	64QAM	1	1	19.80	19.87	19.81			
100	256QAM	1	1	18.44	18.47	18.41			
Channel				509200	518598	528000	24.0	0.0	
Frequency (MHz)				2541	2592.99	2644.88			
90	QPSK	1	1	22.65	22.66	22.65			
Channel				507204	518598	529988	24.0	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	22.65	22.63	22.67			
Channel				506200	518598	531986	24.0	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.88			
60	QPSK	1	1	22.64	22.64	22.59			
Channel				504204	518598	532988	24.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.60	22.62	22.64			
Channel				502202	518598	534000	24.0	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.66	22.64	22.62			
Channel				502200	518598	534996	24.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.59	22.60	22.60			
Channel				501204	518598	535988	24.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.60	22.63	22.64			
Channel				500700	518598	536496	24.0	MPR (dB)	
Frequency (MHz)				2501.05	2592.99	2682.48			
15	QPSK	1	1	22.67	22.66	22.61			
Channel				500200	518598	536996	24.0	MPR (dB)	
Frequency (MHz)				2501.03	2592.99	2685			
10	QPSK	1	1	22.63	22.65	22.62			

Reduced Power Mode for EC15

n5_Ant 0							
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel				834	836.5	839	
20	QPSK	1	1	23.23	23.28	23.33	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	0.5	23.23	23.32	23.23	24.7
20	QPSK	1	104	23.16	23.22	23.12	
20	QPSK	50	0	23.16	23.34	23.15	23.7
20	QPSK	50	28	23.25	23.28	23.23	24.7
20	QPSK	100	0	23.16	23.34	23.16	23.7
20	QPSK	100	0	23.17	23.34	23.32	23.7
20	16QAM	1	1	23.84	23.92	23.98	23.7
20	16QAM	1	1	20.85	20.95	20.92	23.2
20	256QAM	1	1	19.16	19.22	19.21	20.2
Channel				833.5	836.5	836.5	
Frequency (MHz)				833.5	836.5	836.5	
15	QPSK	1	1	23.16	23.24	23.31	24.7
Channel				833.5	836.5	836.5	
Frequency (MHz)				833.5	836.5	836.5	
10	QPSK	1	1	23.25	23.21	23.15	24.7
Channel				833.5	836.5	836.5	
Frequency (MHz)				833.5	836.5	836.5	
5	QPSK	1	1	23.21	23.23	23.13	24.7

n5_Ant 1							
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel				834	836.5	839	
20	QPSK	1	1	23.23	23.23	23.23	
Frequency (MHz)				834	836.5	839	
20	QPSK	1	0.5	23.23	23.32	23.23	21.4
20	QPSK	1	104	23.23	23.34	23.21	
20	QPSK	50	0	23.15	23.35	23.23	21.4
20	QPSK	50	28	23.25	23.33	23.24	21.4
20	QPSK	100	0	23.22	23.34	23.25	21.4
20	QPSK	100	0	23.23	23.32	23.25	21.4
20	16QAM	1	1	23.21	23.25	23.25	21.4
20	16QAM	1	1	20.25	20.32	20.25	21.4
20	256QAM	1	1	19.15	19.16	19.15	19.5
Channel				833.5	836.5	836.5	
Frequency (MHz)				833.5	836.5	836.5	
15	QPSK	1	1	23.16	23.28	23.39	21.4
Channel				833.5	836.5	836.5	
Frequency (MHz)				833.5	836.5	836.5	
10	QPSK	1	1	23.15	23.15	23.14	21.4
Channel				833.5	836.5	836.5	
Frequency (MHz)				833.5	836.5	836.5	
5	QPSK	1	1	23.24	23.25	23.22	21.4

n7_Ant 4							
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel				50000	50700	50600	
Frequency (MHz)				23.23	23.31	23.24	
20	QPSK	1	1	23.23	23.35	23.23	
Frequency (MHz)				23.23	23.32	23.23	24.2
20	QPSK	1	135	23.12	23.22	23.17	0.0
20	QPSK	1	208	23.04	23.07	23.04	
20	QPSK	135	0	23.09	23.02	23.05	21.7
20	QPSK	135	88	23.05	23.13	23.05	24.2
20	QPSK	135	135	23.05	23.05	23.04	21.7
20	QPSK	270	0	23.02	23.07	23.03	21.7
20	16QAM	1	1	21.15	21.19	21.15	19.0
20	16QAM	1	1	20.32	20.33	20.32	21.7
20	256QAM	1	1	18.83	18.82	18.85	19.7
Channel				23.23	23.33	23.23	
Frequency (MHz)				23.23	23.33	23.23	
40	QPSK	1	1	22.97	22.96	22.96	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
20	QPSK	1	1	22.09	23.03	22.09	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
20	QPSK	1	1	22.06	22.06	22.05	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
25	QPSK	1	1	22.06	22.06	22.05	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
20	QPSK	1	1	22.04	22.01	22.01	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
15	QPSK	1	1	23.02	23.05	23.05	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
10	QPSK	1	1	22.04	22.04	22.01	24.2
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
5	QPSK	1	1	23.01	22.99	22.93	24.2

n7_Ant 3							
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)
Channel				50000	50700	50600	
Frequency (MHz)				23.23	23.33	23.24	
20	QPSK	1	1	18.15	18.15	18.15	
20	QPSK	1	135	18.12	18.25	18.22	19.0
20	QPSK	1	208	18.15	18.15	18.12	
20	QPSK	135	0	18.12	18.21	18.11	19.0
20	QPSK	135	88	18.13	18.23	18.17	19.0
20	QPSK	135	135	18.11	18.14	18.15	19.0
20	QPSK	270	0	18.07	18.13	18.12	19.0
20	16QAM	1	1	18.08	18.22	18.15	19.0
20	16QAM	1	1	16.15	16.15	16.15	19.0
20	256QAM	1	1	16.09	16.11	16.09	19.0
Channel				23.23	23.33	23.24	
Frequency (MHz)				23.23	23.33	23.24	
40	QPSK	1	1	18.14	18.18	18.18	19.0
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
20	QPSK	1	1	18.15	18.21	18.15	19.0
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
25	QPSK	1	1	18.15	18.22	18.22	19.0
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
20	QPSK	1	1	18.12	18.21	18.14	19.0
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
15	QPSK	1	1	18.05	18.25	18.15	19.0
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
10	QPSK	1	1	18.05	18.12	18.07	19.0
Channel				50000	50700	51000	
Frequency (MHz)				23.15	23.30	23.15	
5	QPSK	1	1	18.07	18.15	18.15	19.0

n7_Ant 1

BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up loss [dBm]	SNR [dB]
Channel								
				505000	507000	509000		
				23.23	23.16	23.13		
50	QPSK	1	1	22.22	22.25	22.13	23.0	0.0
50	QPSK	1	1	21.87	22.07	22.08		
50	QPSK	155	5	19.81	19.87	19.85	20.5	2.5
50	QPSK	155	5	22.15	22.17	22.13	23.0	0.0
50	QPSK	155	5	19.34	19.34	19.37	20.5	2.5
50	QPSK	219	0	19.53	19.50	19.54		
50	16QAM	1	1	20.85	20.92	20.88	22.0	1.0
50	16QAM	1	1	19.41	19.44	19.37	20.5	2.5
50	256QAM	1	1	18.08	18.09	18.08	18.5	4.5
Channel								
				23200	231000	230000		
				2320	2310	2300		
40	QPSK	1	1	22.00	22.02	22.11	20.4	0.0
Channel								
				232000	231000	230000		
				23.10	23.08	23.03		
30	QPSK	1	1	22.25	22.23	22.08	20.0	0.0
Channel								
				232000	507000	511000		
				23.12	22.20	22.07		
25	QPSK	1	1	22.15	22.18	22.10	20.0	0.0
Channel								
				505000	507000	512000		
				23.00	23.00	23.00		
20	QPSK	1	1	22.20	22.19	22.11	20.0	0.0
Channel								
				505000	507000	512000		
				22.02	22.00	22.02		
15	QPSK	1	1	22.21	22.20	22.18	20.0	0.0
Channel								
				232000	507000	512000		
				23.00	23.00	23.00		
10	QPSK	1	1	22.21	22.20	22.18	20.0	0.0
Channel								
				232000	231000	230000		
				23.00	23.00	23.00		
5	QPSK	1	1	22.13	22.21	22.14	20.0	0.0

n26_Ant 0

BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up loss [dBm]	SNR [dB]
Channel								
				164500	165000	167500		
				824	811.5	819		
20	QPSK	1	1	23.23	23.14	23.14		
20	QPSK	1	53	22.43	22.43	22.47	24.7	0.0
20	QPSK	1	104	23.20	23.30	23.32		
20	QPSK	50	5	22.34	22.41	22.35	23.7	1.0
20	QPSK	50	26	21.52	22.40	23.10	24.7	0.0
20	QPSK	50	50	22.34	22.41	22.36		
20	QPSK	100	0	22.33	22.38	22.20	23.7	1.0
20	16QAM	1	1	22.08	22.10	22.04	23.7	1.0
20	16QAM	1	1	20.55	20.65	20.50	22.2	2.5
20	256QAM	1	1	19.27	19.29	19.25	20.2	4.5
Channel								
				164500	165000	167500		
				821.5	811.5	817.5		
15	QPSK	1	1	23.24	23.31	23.27	0.0	0.0
Channel								
				164500	165000	167500		
				810	811.5	814		
10	QPSK	1	1	23.23	23.13	23.20	0.0	0.0
Channel								
				163500	165000	165000		
				163.0	164.5	164.0		
5	QPSK	1	1	23.22	23.32	23.24	0.0	0.0

n26_Ant 1

BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up loss [dBm]	SNR [dB]
Channel								
				164500	165000	167500		
				824	811.5	819		
20	QPSK	1	1	23.27	23.40	23.23		
20	QPSK	1	53	22.34	22.48	22.35	21.5	0.0
20	QPSK	1	104	20.30	20.30	20.24		
20	QPSK	50	5	20.25	20.33	20.25	21.5	0.0
20	QPSK	50	26	20.50	20.40	20.20	21.5	0.0
20	QPSK	50	50	20.30	20.30	20.20		
20	QPSK	100	0	20.25	20.32	20.32	21.5	0.0
20	16QAM	1	1	20.07	20.40	20.30	21.5	0.0
20	16QAM	1	1	20.24	20.47	20.30	21.5	0.0
20	256QAM	1	1	19.30	19.31	19.20	20.0	1.5
Channel								
				164500	165000	167500		
				7.5	807	808.5		
15	QPSK	1	1	20.30	20.41	20.27	0.0	0.0
Channel								
				164500	165000	167500		
				7.5	807	808.5		
10	QPSK	1	1	20.32	20.30	20.25	0.0	0.0
Channel								
				163500	165000	165000		
				163.0	164.0	164.0		
5	QPSK	1	1	20.33	20.37	20.20	0.0	0.0

n66_Ant 4

BW [MHz]	Modulation	RS Size	RS Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up loss [dBm]	SNR [dB]
Channel								
				345000	345000	350000		
				172.5	1745	1745		
40	QPSK	1	1	22.03	22.00	22.07		
40	QPSK	1	108	22.00	22.12	22.02	24.4	0.0
40	QPSK	1	214	23.00	23.01	22.85		
40	QPSK	108	5	21.40	21.43	21.01	23.4	1.0
40	QPSK	108	54	22.00	22.07	22.00	24.4	0.0
40	QPSK	108	108	21.40	21.43	21.01		
40	QPSK	216	0	21.40	21.43	21.02	23.4	1.0
40	16QAM	1	1	21.75	21.80	21.74	23.4	1.0
40	16QAM	1	1	20.41	20.42	20.32	21.9	2.5
40	256QAM	1	1	19.01	19.02	18.97	19.0	4.5
Channel								
				345000	345000	350000		
				1725	1745	1745		
30	QPSK	1	1	22.00	22.02	22.00	24.4	0.0
Channel								
				345000	345000	350000		
				1722.5	1745	1747.5		
25	QPSK	1	1	22.03	22.02	22.07	24.4	0.0
Channel								
				345000	345000	350000		
				1724	1745	1745		
20	QPSK	1	1	22.04	22.01	22.04	24.4	0.0
Channel								
				345000	345000	350000		
				1721.5	1745	1747.5		
15	QPSK	1	1	22.05	22.00	22.00	24.4	0.0
Channel								
				345000	345000	350000		
				1719	1745	1745		
10	QPSK	1	1	22.07	22.10	22.03	24.4	0.0
Channel								
				345000	345000	350000		
				1712.5	1745	1747.5		
5	QPSK	1	1	22.05	22.05	22.05	24.4	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)
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
40	QPSK	1	1	14.84	14.85	14.91	15.9
40	QPSK	1	108	14.87	15.02	14.92	0.0
40	QPSK	1	214	14.82	14.91	14.85	0.0
40	QPSK	108	9	14.73	15.00	14.85	15.9
40	QPSK	108	54	14.95	15.21	15.05	15.9
40	QPSK	108	108	14.91	14.85	14.82	0.0
40	QPSK	216	0	14.89	15.02	14.85	15.9
40	16QAM	1	1	14.84	14.85	14.91	15.9
40	16QAM	1	1	14.85	14.94	14.75	15.9
40	256QAM	1	1	14.79	14.88	14.80	15.9
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	14.86	14.94	14.75	15.9
Channel				345000	345000	350000	
Frequency (MHz)				1722.5	1745	1747.5	
25	QPSK	1	1	14.86	14.90	14.83	15.9
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
20	QPSK	1	1	14.86	15.01	14.81	15.9
Channel				345000	345000	350000	
Frequency (MHz)				1724.5	1745	1745.5	
15	QPSK	1	1	14.92	14.98	14.92	15.9
Channel				345000	345000	350000	
Frequency (MHz)				1724.5	1745	1745.5	
10	QPSK	1	1	14.84	14.89	14.84	15.9
Channel				345000	345000	350000	
Frequency (MHz)				1722.5	1745	1747.5	
5	QPSK	1	1	14.89	14.87	14.78	15.9

n66_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac)	Power Media Ch. (Frac)	Power High Ch. (Frac)	Turn-up time (dBm)
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
40	QPSK	1	1	17.03	17.15	17.16	18.2
40	QPSK	1	108	17.03	17.33	17.21	0.0
40	QPSK	1	214	17.15	17.14	17.05	0.0
40	QPSK	108	9	17.18	17.15	17.05	18.2
40	QPSK	108	54	17.21	17.28	17.20	18.2
40	QPSK	108	108	17.17	17.25	17.16	18.2
40	QPSK	216	0	17.08	17.14	17.11	18.2
40	16QAM	1	1	17.19	17.20	17.14	18.2
40	16QAM	1	1	17.19	17.15	17.10	18.2
40	256QAM	1	1	17.19	17.23	17.17	18.2
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	17.20	17.27	17.07	18.2
Channel				345000	345000	350000	
Frequency (MHz)				1722.5	1745	1747.5	
25	QPSK	1	1	17.21	17.26	17.19	18.2
Channel				345000	345000	350000	
Frequency (MHz)				1725	1745	1765	
20	QPSK	1	1	17.18	17.15	17.07	18.2
Channel				345000	345000	350000	
Frequency (MHz)				1724.5	1745	1745.5	
15	QPSK	1	1	17.27	17.21	17.09	18.2
Channel				345000	345000	350000	
Frequency (MHz)				1724.5	1745	1745.5	
10	QPSK	1	1	17.20	17.27	17.13	18.2
Channel				345000	345000	350000	
Frequency (MHz)				1722.5	1745	1747.5	
5	QPSK	1	1	17.16	17.15	17.07	18.2

n38_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				518004	519000	519996	24.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.59	23.62	23.52			
40	QPSK	1	53	23.67	23.69	23.63			
40	QPSK	1	104	23.51	23.54	23.44	24.7	0.0	
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	23.63	23.65	23.57			
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	1.0	
40	16QAM	1	1	22.30	22.36	22.30	23.7	1.0	
40	64QAM	1	1	20.78	20.85	20.78	22.2	2.5	
40	256QAM	1	1	18.40	18.47	18.42	20.2	4.5	
Channel				517002	518000	518998	24.7	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	23.56	23.60	23.49			
Channel				516004	516000	521496	24.7	0.0	
Frequency (MHz)				2682.52	2695	2697.48			
25	QPSK	1	1	23.50	23.54	23.43			
Channel				516000	516000	522000	24.7	0.0	
Frequency (MHz)				2695	2695	2670			
20	QPSK	1	1	23.53	23.56	23.45			
Channel				515502	516000	522498	24.7	0.0	
Frequency (MHz)				2677.51	2695	2612.49			
15	QPSK	1	1	23.58	23.54	23.49			
Channel				515504	516000	522500	24.7	0.0	
Frequency (MHz)				2675.02	2695	2614.98			
10	QPSK	1	1	23.51	23.53	23.45			

n38_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				518004	519000	519996	18.2	0.0	
Frequency (MHz)				2690.02	2595	2599.98			
40	QPSK	1	1	16.97	17.09	17.08			
40	QPSK	1	53	17.05	17.12	17.09			
40	QPSK	1	104	16.98	16.99	16.94	18.2	0.0	
40	QPSK	50	0	16.90	17.01	17.06			
40	QPSK	50	28	16.99	17.02	17.01			
40	QPSK	50	56	16.91	17.11	17.02			
40	QPSK	100	0	16.92	16.98	16.96	18.2	0.0	
40	16QAM	1	1	17.04	17.01	17.04	18.2	0.0	
40	64QAM	1	1	17.04	17.07	17.05	18.2	0.0	
40	256QAM	1	1	16.90	17.03	17.05	18.2	0.0	
Channel				517002	518000	518998	18.2	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	16.99	17.05	16.99			
Channel				516004	516000	521496	18.2	0.0	
Frequency (MHz)				2682.52	2695	2697.48			
25	QPSK	1	1	16.97	16.97	17.00			
Channel				516000	516000	522000	18.2	0.0	
Frequency (MHz)				2695	2695	2670			
20	QPSK	1	1	16.98	17.02	16.97			
Channel				515502	516000	522498	18.2	0.0	
Frequency (MHz)				2677.51	2695	2612.49			
15	QPSK	1	1	17.00	17.05	17.04			
Channel				515504	516000	522500	18.2	0.0	
Frequency (MHz)				2675.02	2695	2614.98			
10	QPSK	1	1	17.01	16.98	16.97			

n38_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				518004	519000	519996	23.8	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.58	22.48			
40	QPSK	1	53	22.64	22.68	22.63			
40	QPSK	1	104	22.41	22.48	22.41	23.8	0.0	
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	28	22.34	22.42	22.38			
40	QPSK	50	56	21.35	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25	22.8	1.0	
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5	
40	256QAM	1	1	18.34	18.40	18.35	19.3	4.5	
Channel				517002	518000	518998	23.8	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.62	22.60	22.58			
Channel				516004	516000	521496	23.8	0.0	
Frequency (MHz)				2682.52	2695	2697.48			
25	QPSK	1	1	22.60	22.64	22.54			
Channel				516000	516000	522000	23.8	0.0	
Frequency (MHz)				2695	2695	2670			
20	QPSK	1	1	22.56	22.64	22.59			
Channel				515502	516000	522498	23.8	0.0	
Frequency (MHz)				2677.51	2695	2612.49			
15	QPSK	1	1	22.55	22.60	22.59			
Channel				515504	516000	522500	23.8	0.0	
Frequency (MHz)				2675.02	2695	2614.98			
10	QPSK	1	1	22.60	22.62	22.57			

FCC_n41_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				509202	518598	528000	24.7	0.0	
Frequency (MHz)				2546.01	2562.99	2640			
100	QPSK	1	1	23.55	23.60	23.52			
100	QPSK	1	137	23.55	23.71	23.67			
100	QPSK	1	271	23.54	23.55	23.51	24.7	0.0	
100	QPSK	135	0	21.09	21.11	21.04			
100	QPSK	135	69	23.55	23.65	23.60			
100	QPSK	135	138	20.85	20.95	20.87			
100	QPSK	270	0	20.83	20.92	20.87	22.2	2.5	
100	16QAM	1	1	22.31	22.35	22.25	23.7	1.0	
100	64QAM	1	1	20.78	20.87	20.77	22.2	2.5	
100	256QAM	1	1	18.44	18.48	18.42	20.2	4.5	
Channel				509200	518596	527996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	23.65	23.67	23.59	24.7	0.0	
Channel				507204	516596	525996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536	2562.99	2643.98			
80	QPSK	1	1	23.64	23.67	23.60	24.7	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2530	2562.99	2659.98			
60	QPSK	1	1	23.65	23.65	23.65	24.7	0.0	
Channel				504204	516598	532996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	23.58	23.68	23.66	24.7	0.0	
Channel				503202	516596	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	23.66	23.62	23.66	24.7	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	23.61	23.67	23.57	24.7	0.0	
Channel				501204	516598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	23.59	23.65	23.61	24.7	0.0	
Channel				500200	516598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	23.58	23.68	23.59	24.7	0.0	
Channel				500202	516596	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	23.58	23.65	23.61	24.7	0.0	

FCC_n41_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				509202	518598	528000	18.2	0.0	
Frequency (MHz)				2546.01	2562.99	2640			
100	QPSK	1	1	17.14	17.08	16.98			
100	QPSK	1	137	17.15	17.20	17.12			
100	QPSK	1	271	17.08	17.05	17.06	18.2	0.0	
100	QPSK	135	0	17.07	17.12	17.01			
100	QPSK	135	69	17.05	17.10	16.99			
100	QPSK	135	138	17.13	17.14	17.05			
100	QPSK	270	0	17.00	17.05	16.95	18.2	0.0	
100	16QAM	1	1	17.11	17.12	17.08	18.2	0.0	
100	64QAM	1	1	17.04	17.19	17.05	18.2	0.0	
100	256QAM	1	1	17.00	17.07	16.95	18.2	0.0	
Channel				509200	518596	527996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	17.04	17.05	17.11	18.2	0.0	
Channel				507204	516598	525996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536	2562.99	2643.98			
80	QPSK	1	1	17.07	17.15	16.97	18.2	0.0	
Channel				505200	516598	531996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2530	2562.99	2659.98			
60	QPSK	1	1	17.05	17.10	16.99	18.2	0.0	
Channel				504204	516598	532996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	17.02	17.15	16.98	18.2	0.0	
Channel				503202	516596	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	17.11	17.06	17.00	18.2	0.0	
Channel				502200	516598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	17.03	17.05	17.08	18.2	0.0	
Channel				501204	516598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	17.07	17.04	17.02	18.2	0.0	
Channel				500200	516598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	17.11	17.08	16.97	18.2	0.0	
Channel				500202	516596	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	17.12	17.09	16.99	18.2	0.0	

FCC_n41_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				509202	518598	528000			
Frequency (MHz)				2546.01	2562.99	2640			
100	QPSK	1	1	22.52	22.60	22.58	24.0		0.0
100	QPSK	1	137	22.55	22.70	22.68			
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.48	22.54	22.50	24.0		0.0
100	QPSK	135	138	19.86	19.86	19.83			
100	QPSK	270	0	19.85	19.85	19.78			
100	16QAM	1	1	21.33	21.38	21.29			
100	64QAM	1	1	19.80	19.87	19.81	21.5	2.5	1.0
100	256QAM	1	1	18.44	18.47	18.41	19.5	4.5	0.5
Channel				509200	518596	527996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2562.99	2644.98			
90	QPSK	1	1	22.65	22.66	22.65	24.0		0.0
Channel				507204	518598	525996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2562.99	2659.98			
80	QPSK	1	1	22.68	22.63	22.67	24.0		0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2530	2562.99	2659.98			
60	QPSK	1	1	22.64	22.61	22.59	24.0		0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2562.99	2664.99			
50	QPSK	1	1	22.60	22.62	22.64	24.0		0.0
Channel				503202	518596	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2562.99	2670			
40	QPSK	1	1	22.66	22.64	22.62	24.0		0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2562.99	2674.98			
30	QPSK	1	1	22.59	22.60	22.60	24.0		0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2562.99	2679.99			
20	QPSK	1	1	22.60	22.63	22.64	24.0		0.0
Channel				500700	518596	536996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2562.99	2682.48			
15	QPSK	1	1	22.67	22.66	22.61	24.0		0.0
Channel				500202	518596	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2562.99	2685			
10	QPSK	1	1	22.63	22.65	22.62	24.0		0.0

Reduced Power Mode for ECi8

n5_Ant 0							
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 <td>166800</td> <td>167500</td> <td>167600</td> <td>dBm</td>				166800	167500	167600	dBm
Frequency (MHz) <td>834</td> <td>834.5</td> <td>835</td> <td></td>				834	834.5	835	
20	QPSK	1	1	23.21	23.28	23.19	
20	QPSK	1	84	22.21	22.32	22.25	24.7
20	QPSK	50	6	21.75	21.84	21.72	23.7
20	QPSK	50	26	21.22	21.30	21.22	24.7
20	QPSK	100	0	21.71	21.74	21.72	23.7
20	16QAM	1	1	21.04	21.04	21.04	23.7
20	16QAM	1	1	20.92	20.92	20.92	23.5
20	256QAM	1	1	19.16	19.22	19.21	20.2
Channel <td>831.5</td> <td>831.5</td> <td>831.5</td> <td>dBm</td>				831.5	831.5	831.5	dBm
Frequency (MHz) <td>831.5</td> <td>831.5</td> <td>831.5</td> <td></td>				831.5	831.5	831.5	
10	QPSK	1	1	23.45	23.45	23.41	24.7
Channel <td>830.5</td> <td>830.5</td> <td>830.5</td> <td>dBm</td>				830.5	830.5	830.5	dBm
Frequency (MHz) <td>830.5</td> <td>830.5</td> <td>830.5</td> <td></td>				830.5	830.5	830.5	
10	QPSK	1	1	23.21	23.21	23.15	24.7
Channel <td>165200</td> <td>167500</td> <td>168200</td> <td>dBm</td>				165200	167500	168200	dBm
Frequency (MHz) <td>830.5</td> <td>830.5</td> <td>830.5</td> <td></td>				830.5	830.5	830.5	
5	QPSK	1	1	23.21	23.23	23.13	24.7

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)	Turnup time (dBm)
Channel				166800	167500	167600	dBm
Frequency (MHz)				834	834.5	835	
20	QPSK	1	1	23.15	23.19	23.17	
20	QPSK	1	84	22.21	22.32	22.21	24.4
20	QPSK	1	164	22.14	22.14	22.14	
20	QPSK	50	6	21.45	21.48	21.47	23.4
20	QPSK	50	26	21.19	21.22	21.19	24.4
20	QPSK	50	86	21.41	21.42	21.41	23.4
20	QPSK	100	0	21.40	21.43	21.41	
20	16QAM	1	1	21.06	21.06	21.07	23.4
20	16QAM	1	1	20.94	20.94	20.92	23.5
20	256QAM	1	1	19.15	19.16	19.15	19.9
Channel				831.5	831.5	831.5	dBm
Frequency (MHz)				831.5	831.5	831.5	
10	QPSK	1	1	23.44	23.44	23.40	24.4
Channel				830.5	830.5	830.5	dBm
Frequency (MHz)				830.5	830.5	830.5	
10	QPSK	1	1	23.12	23.12	23.15	24.4
Channel				165200	167500	168200	dBm
Frequency (MHz)				830.5	830.5	830.5	
5	QPSK	1	1	23.09	23.12	23.10	24.4

n7_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				505000	507000	506900	
Frequency (MHz)				252.5	253	252.5	
50	QPSK	1	1	22.50	22.57	22.50	
50	QPSK	1	135	21.89	22.29	22.09	23.7
50	QPSK	1	265	22.57	22.58	22.57	
50	QPSK	135	0	20.39	20.62	20.50	21.7
50	QPSK	135	98	21.50	22.49	22.09	23.7
50	QPSK	135	135	20.39	20.59	20.54	21.7
50	QPSK	270	0	20.52	20.57	20.50	
50	16QAM	1	1	21.76	21.76	21.76	23.7
50	16QAM	1	1	20.32	20.33	20.32	21.7
50	256QAM	1	1	18.83	18.92	18.85	19.7
Channel				505000	507000	506900	
Frequency (MHz)				2520 <td>2535</td> <td>2520</td> <td></td>	2535	2520	
40	QPSK	1	1	22.45	22.50	22.45	23.7
Channel				505000	507000	506900	
Frequency (MHz)				2515 <td>2530</td> <td>2515</td> <td></td>	2530	2515	
30	QPSK	1	1	22.59	22.59	22.59	23.7
Channel				505000	507000	506900	
Frequency (MHz)				2515 <td>2530</td> <td>2515</td> <td></td>	2530	2515	
25	QPSK	1	1	22.58	22.66	22.66	23.7
Channel				505000	507000	506900	
Frequency (MHz)				2510 <td>2535</td> <td>2520</td> <td></td>	2535	2520	
20	QPSK	1	1	22.58	22.62	22.60	23.7
Channel				505000	507000	506900	
Frequency (MHz)				2507.5 <td>2535</td> <td>2507.5</td> <td></td>	2535	2507.5	
15	QPSK	1	1	22.63	22.68	22.62	23.7
Channel				2505 <td>2535</td> <td>2505</td> <td></td>	2535	2505	
10	QPSK	1	1	22.63	22.65	22.63	23.7
Channel				505000	507000	506900	
Frequency (MHz)				2503.5 <td>2535</td> <td>2503.5</td> <td></td>	2535	2503.5	
5	QPSK	1	1	22.53	22.55	22.54	23.7

n7_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				505000	507000	506900	
Frequency (MHz)				2515	2535	2515	
50	QPSK	1	1	21.51	21.58	21.51	
50	QPSK	1	135	21.89	21.88	21.82	22.5
50	QPSK	1	265	21.50	21.59	21.50	
50	QPSK	135	0	19.94	20.04	20.01	21.0
50	QPSK	135	98	21.51	21.64	21.54	22.5
50	QPSK	135	135	19.96	20.02	19.99	21.0
50	QPSK	270	0	19.95	19.99	19.99	
50	64QAM	1	1	21.04	21.07	21.06	22.5
50	256QAM	1	1	18.30	18.37	18.30	18.0
Channel				505000	507000	506900	
Frequency (MHz)				2520	2535	2520	
40	QPSK	1	1	21.45	21.53	21.45	22.5
Channel				505000	507000	506900	
Frequency (MHz)				2515	2535	2515	
30	QPSK	1	1	21.48	21.60	21.55	22.5
Channel				505000	507000	506900	
Frequency (MHz)				2510	2535	2510	
25	QPSK	1	1	21.50	21.63	21.54	22.5
Channel				505000	507000	506900	
Frequency (MHz)				2509	2535	2509	
20	QPSK	1	1	21.48	21.61	21.51	22.5
Channel				505000	507000	506900	
Frequency (MHz)				2507.5	2535	2507.5	
15	QPSK	1	1	21.51	21.63	21.56	22.5
Channel				2505	2535	2505	
10	QPSK	1	1	21.51	21.63	21.53	22.5
Channel				505000	507000	506900	
Frequency (MHz)				2503.5	2535	2503.5	
5	QPSK	1	1	21.50	21.53	21.50	22.5

n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Middle Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				565000	567000	569000			
				24.21	22.15	22.13			
50	QPSK	1	1	22.15	22.15	22.13	23.0	0.0	
Channel									
Frequency (MHz)				567000	567000	567000			
				22.15	22.15	22.15			
50	QPSK	1	104	22.15	22.15	22.15	23.0	0.0	
50	QPSK	1	204	22.15	22.15	22.15	23.5	0.5	
50	QPSK	135	6	19.81	19.87	19.93	20.5	0.0	
50	QPSK	135	66	19.84	22.17	22.13	23.0	0.0	
50	QPSK	135	135	19.84	19.84	19.87	20.5	0.5	
50	QPSK	219	0	19.83	19.89	19.84	20.5	0.5	
50	16QAM	1	1	20.98	20.98	20.98	22.0	1.0	
50	16QAM	1	1	19.41	19.44	19.37	20.5	0.5	
50	256QAM	1	1	18.66	18.69	18.66	18.5	4.5	
Channel									
Frequency (MHz)				569000	567000	565000			
				22.07	22.15	22.00			
40	QPSK	1	1	22.07	22.15	22.00	23.0	0.0	
Channel									
Frequency (MHz)				567000	567000	567000			
				22.15	22.15	22.15			
30	QPSK	1	1	22.15	22.15	22.15	23.0	0.0	
Channel									
Frequency (MHz)				567000	567000	567000			
				22.15	22.15	22.15			
20	QPSK	1	1	22.15	22.15	22.15	23.5	0.0	
Channel									
Frequency (MHz)				567000	567000	567000			
				22.15	22.15	22.15			
15	QPSK	1	1	22.15	22.15	22.15	23.5	0.0	
Channel									
Frequency (MHz)				567000	567000	567000			
				22.15	22.15	22.15			
10	QPSK	1	1	22.15	22.15	22.15	23.5	0.0	
Channel									
Frequency (MHz)				567000	567000	567000			
				22.15	22.15	22.15			
5	QPSK	1	1	22.15	22.15	22.15	23.5	0.0	

n26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Middle Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				164800	166000	167600			
				23.24	23.34	23.24			
20	QPSK	1	1	23.23	23.34	23.24	24.7	0.0	
Channel									
Frequency (MHz)				166000	166000	166000			
				23.29	23.30	23.29			
20	QPSK	1	104	23.29	23.30	23.29	23.7	1.0	
20	QPSK	50	0	23.34	22.41	23.33	23.7	0.0	
20	QPSK	50	28	23.32	22.40	23.30	24.7	0.0	
20	QPSK	50	56	23.34	22.41	22.38	23.7	1.0	
20	QPSK	100	0	22.33	22.38	22.29	23.7	1.0	
20	16QAM	1	1	22.28	22.30	22.28	23.7	1.0	
20	16QAM	1	1	20.55	20.55	20.55	22.2	2.5	
20	256QAM	1	1	19.27	19.29	19.26	20.2	4.5	
Channel									
Frequency (MHz)				167600	166000	164800			
				23.13	23.34	23.13			
10	QPSK	1	1	23.13	23.31	23.21	23.0	0.0	
Channel									
Frequency (MHz)				166000	166000	166000			
				23.30	23.30	23.30			
10	QPSK	1	1	23.29	23.33	23.29	23.0	0.0	
Channel									
Frequency (MHz)				166000	166000	166000			
				23.30	23.30	23.30			
5	QPSK	1	1	23.29	23.33	23.29	23.0	0.0	

n26_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Middle Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE	
Channel									
Frequency (MHz)				164800	166000	167600			
				23.24	23.34	23.24			
20	QPSK	1	1	23.23	23.34	23.23	24.5	0.0	
Channel									
Frequency (MHz)				166000	166000	166000			
				23.29	23.30	23.29			
20	QPSK	1	104	23.29	23.30	23.29	23.5	1.0	
20	QPSK	50	0	23.30	23.33	22.43	23.5	0.0	
20	QPSK	50	28	23.33	22.37	23.30	24.5	0.0	
20	QPSK	50	56	23.26	22.33	22.32	23.5	1.0	
20	QPSK	100	0	22.34	22.40	22.29	23.5	1.0	
20	16QAM	1	1	22.11	22.14	22.12	23.5	1.0	
20	16QAM	1	1	20.51	20.50	20.51	22.0	2.5	
20	256QAM	1	1	19.30	19.31	19.25	20.0	4.5	
Channel									
Frequency (MHz)				167600	166000	164800			
				23.13	23.34	23.13			
10	QPSK	1	1	23.13	23.34	23.13	23.0	0.0	
Channel									
Frequency (MHz)				166000	166000	166000			
				23.30	23.30	23.30			
10	QPSK	1	1	23.29	23.33	23.29	23.0	0.0	
Channel									
Frequency (MHz)				166000	166000	166000			
				23.30	23.30	23.30			
5	QPSK	1	1	23.29	23.33	23.29	23.0	0.0	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Middle Ch. (Frac.)	Power High Ch. (Frac.)	Tune-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				346000	346000	350000			
				173.0	174.0	175.0			
40	QPSK	1	1	173.03	173.03	173.07	24.4	0.0	
Channel									
Frequency (MHz)				346000	346000	346000			
				173.03	173.03	173.03			
40	QPSK	1	104	173.03	173.03	173.03	24.4	0.0	
40	QPSK	1	204	173.03	173.03	173.03	24.4	1.0	
40	QPSK	104	0	171.40	171.43	171.41	23.4	0.0	
40	QPSK	104	54	171.40	171.37	171.39	24.4	0.0	
40	QPSK	104	104	171.42	171.43	171.41	23.4	1.0	
40	QPSK	216	0	171.40	171.43	171.40	23.4	1.0	
40	16QAM	1	1	171.35	171.35	171.34	23.4	1.0	
40	16QAM	1	1	169.41	169.42	169.32	21.0	2.5	
40	256QAM	1	1	169.01	169.02	168.97	19.9	4.5	
Channel									
Frequency (MHz)				350000	346000	346000			
				175.0	174.0	173.0			
30	QPSK	1	1	175.0	174.0	173.0	24.4	0.0	
Channel									
Frequency (MHz)				346000	346000	346000			
				173.03	173.03	173.03			
20	QPSK	1	1	173.03	173.03	173.07	24.4	0.0	
Channel									
Frequency (MHz)				346000	346000	346000			
				173.03	173.03	173.03			
20	QPSK	1	1	173.03	173.03	173.03	24.4	0.0	
Channel									
Frequency (MHz)				346000	346000	346000			
				173.03	173.03	173.03			
15	QPSK	1	1	173.03	173.03	173.03	24.4	0.0	
Channel									
Frequency (MHz)				346000	346000	346000			
				173.03	173.03	173.03			
10	QPSK	1	1	173.07	173.03	173.03	24.	0.0	
Channel									
Frequency (MHz)				346000	346000	346000			
				173.03	173.03	173.03			
5	QPSK	1	1	173.07	173.03	173.03	23.4	0.0	

n66_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Mid Ch. F (W)	Power High Ch. F (W)	Turn-up time (dB)	MFR (dB)
Channel				348000	349000	350000		
Frequency (MHz)				1725	1745	1765		
40	QPSK	1	1	22.14	22.83	23.79		
40	QPSK	1	108	22.09	22.85	22.85	23.9	0.0
40	QPSK	1	214	22.39	22.75	22.75		
40	QPSK	108	9	20.31	20.94	20.94	22.9	1.0
40	QPSK	108	54	22.02	22.88	22.88	23.9	0.0
40	QPSK	108	108	20.02	20.03	20.02		
40	QPSK	216	0	20.92	21.04	20.99	23.9	1.0
40	16QAM	1	1	21.98	21.68	21.59	23.9	1.0
40	16QAM	1	1	20.15	20.16	20.15	21.4	2.5
40	256QAM	1	1	18.81	18.82	18.75	19.4	4.5
Channel								
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.09	22.83	22.79	23.9	0.0
Channel				348000	349000	350000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1725.5	1745	1767.5		
25	QPSK	1	1	22.05	22.71	23.79	23.9	0.0
Channel				348000	349000	350000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.09	22.76	22.69	23.9	0.0
Channel				343000	349000	354000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.71	22.74	22.79	23.9	0.0
Channel				343000	349000	354000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.73	22.81	22.75	23.9	0.0
Channel				343000	349000	354000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.73	22.71	22.75	23.9	0.0

n66_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (W)	Power Mid Ch. F (W)	Power High Ch. F (W)	Turn-up time (dB)	MFR (dB)
Channel				348000	349000	350000		
Frequency (MHz)				1725	1745	1765		
40	QPSK	1	1	22.13	22.79	22.74		
40	QPSK	1	108	22.20	22.21	22.19	23.2	0.0
40	QPSK	1	214	21.99	22.09	21.98		
40	QPSK	108	9	20.23	20.27	20.21	22.2	1.0
40	QPSK	108	54	22.11	22.18	22.09	23.2	0.0
40	QPSK	108	108	20.21	20.24	20.24		
40	QPSK	216	0	20.23	20.33	20.27	22.2	1.0
40	16QAM	1	1	20.89	20.90	20.89	22.2	1.0
40	16QAM	1	1	19.37	19.42	19.35	20.7	2.5
40	256QAM	1	1	17.97	18.08	18.01	18.7	4.5
Channel								
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.15	22.83	22.74	23.2	0.0
Channel				348000	349000	350000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1725.5	1745	1767.5		
25	QPSK	1	1	22.12	22.74	22.72	23.2	0.0
Channel				348000	349000	350000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1725	1745	1765		
20	QPSK	1	1	22.15	22.19	22.09	23.2	0.0
Channel				343000	349000	354000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.14	22.19	22.09	23.2	0.0
Channel				343000	349000	354000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.13	22.20	22.09	23.2	0.0
Channel				343000	349000	354000	Turn-up time (dB)	MFR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.17	22.12	22.05	23.2	0.0



n38_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				518004	519000	519996	23.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.56	22.55	22.56	23.7	0.0	
40	QPSK	1	1	22.60	22.60	22.60			
40	QPSK	1	104	22.45	22.63	22.57	23.7	0.0	
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	22.57	22.61	22.57	23.7	0.0	
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	0.0	
40	16QAM	1	1	22.30	22.36	22.30		23.7	
40	64QAM	1	1	20.78	20.85	20.76		22.2	
40	256QAM	1	1	18.40	18.47	18.42		20.2	
Channel				517002	518000	518998	23.7	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.54	22.56	22.44	23.7	0.0	
Channel				516004	519000	521496		MPR	
Frequency (MHz)				2492.43	2594	2607.48			
25	QPSK	1	1	22.54	22.55	22.49	23.7	0.0	
Channel				516000	519000	522000		MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.57	22.63	22.50	23.7	0.0	
Channel				515502	519000	522498		MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.52	22.52	22.49	23.7	0.0	
Channel				515004	519000	522996		MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.55	22.56	22.47	23.7	0.0	
Channel				515004	519000	522996		MPR	
Frequency (MHz)				2575.02	2595	2614.98			

n38_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				518004	519000	519996	21.7	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	20.49	20.54	20.42	21.7	0.0	
40	QPSK	1	1	20.52	20.60	20.55			
40	QPSK	1	104	20.50	20.50	20.46	21.7	0.0	
40	QPSK	50	0	20.47	20.58	20.43			
40	QPSK	50	28	20.50	20.59	20.54	21.7	0.0	
40	QPSK	50	56	20.45	20.46	20.53			
40	QPSK	100	0	20.46	20.55	20.45	21.7	0.0	
40	16QAM	1	1	20.37	20.53	20.54		21.7	
40	64QAM	1	1	20.06	20.13	20.06		21.7	
40	256QAM	1	1	18.65	18.70	18.67		21.7	
Channel				517002	518000	518998	21.7	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.46	20.56	20.46	21.7	0.0	
Channel				516004	519000	521496		MPR	
Frequency (MHz)				2492.43	2594	2607.48			
25	QPSK	1	1	20.38	20.57	20.40	21.7	0.0	
Channel				516000	519000	522000		MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	20.43	20.59	20.49	21.7	0.0	
Channel				515502	519000	522498		MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.38	20.52	20.45	21.7	0.0	
Channel				515004	519000	522996		MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.37	20.57	20.40	21.7	0.0	
Channel				515004	519000	522996		MPR	
Frequency (MHz)				2575.02	2595	2614.98			

n38_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				518004	519000	519996	23.8	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.58	22.48	23.8	0.0	
40	QPSK	1	1	22.58	22.68	22.63			
40	QPSK	1	104	22.41	22.48	22.41	23.8	0.0	
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	28	22.34	22.42	22.38	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25		22.8	
40	64QAM	1	1	19.75	19.82	19.78		21.3	
40	256QAM	1	1	18.34	18.40	18.35		18.3	
Channel				517002	518000	518998	23.8	0.0	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				516004	519000	521496		MPR	
Frequency (MHz)				2492.43	2594	2607.48			
25	QPSK	1	1	22.60	22.64	22.54	23.8	0.0	
Channel				516000	519000	522000		MPR	
Frequency (MHz)				2590	2595	2610			
20	QPSK	1	1	22.65	22.64	22.59	23.8	0.0	
Channel				515502	519000	522498		MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.55	22.60	22.59	23.8	0.0	
Channel				515004	519000	522996		MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0	
Channel				515004	519000	522996		MPR	
Frequency (MHz)				2575.02	2595	2614.98			



FCC_n41_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								
Frequency (MHz)								
100	QPSK	1	1	22.61	22.62	22.57	23.7	0.0
100	QPSK	1	197	22.75	22.65	22.58		
100	QPSK	1	271	22.83	22.65	22.51		
100	QPSK	135	0	21.09	21.11	21.04		
100	QPSK	135	69	22.58	22.71	22.55	23.7	0.0
100	QPSK	135	138	20.95	20.95	20.87	23.2	1.5
100	QPSK	270	0	20.83	20.92	20.87		
100	16QAM	1	1	22.31	22.35	22.25		
100	64QAM	1	1	20.78	20.87	20.77		
100	256QAM	1	1	18.44	18.48	18.42	20.2	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.66	22.64	22.64	23.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.63	22.65	22.56	23.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.60	22.64	22.57	23.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.63	22.74	22.55	23.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.61	22.71	22.62	23.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.60	22.65	22.55	23.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.60	22.70	22.51	23.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.56	22.68	22.65	23.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.55	22.74	22.59	23.7	0.0

FCC_n41_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								
Frequency (MHz)								
100	QPSK	1	1	20.41	20.46	20.46	21.7	0.0
100	QPSK	1	197	20.52	20.50	20.57		
100	QPSK	1	271	20.44	20.50	20.53		
100	QPSK	135	0	20.38	20.45	20.41		
100	QPSK	135	69	20.45	20.49	20.42	21.7	0.0
100	QPSK	135	138	20.22	20.31	20.25	21.7	0.0
100	QPSK	270	0	20.23	20.35	20.23		
100	16QAM	1	1	20.41	20.57	20.49		
100	64QAM	1	1	20.16	20.25	20.22		
100	256QAM	1	1	18.76	18.83	18.76	18.7	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.51	20.58	20.47	21.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.37	20.45	20.51	21.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.40	20.54	20.48	21.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.37	20.46	20.55	21.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.38	20.47	20.50	21.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.50	20.52	20.45	21.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.40	20.51	20.44	21.7	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.48	20.56	20.51	21.7	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.38	20.54	20.54	21.7	0.0

FCC_n41_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								
Frequency (MHz)								
100	QPSK	1	1	22.52	22.60	22.58	24.0	0.0
100	QPSK	1	197	22.65	22.75	22.68		
100	QPSK	1	271	22.48	22.54	22.50		
100	QPSK	135	0	20.05	20.08	20.01		
100	QPSK	135	69	22.49	22.54	22.50	24.0	0.0
100	QPSK	135	138	19.85	19.88	19.83	21.5	2.5
100	QPSK	270	0	19.86	19.88	19.79		
100	16QAM	1	1	21.33	21.38	21.29		
100	64QAM	1	1	19.86	19.87	19.81		
100	256QAM	1	1	18.44	18.47	18.41	18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.65	22.66	22.65	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.65	22.63	22.67	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.64	22.64	22.59	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.60	22.62	22.64	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.66	22.64	22.62	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.59	22.60	22.59	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.60	22.67	22.64	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.67	22.66	22.61	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.63	22.65	22.62	24.0	0.0

Reduced Power Mode for EC10

n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tone-up limit (dBm)	MFR (dB)	
Channel				16880	16700	16760			
Frequency (MHz)				834	834.5	835			
20	QPSK	1	1	23.21	23.28	23.19	24.7	0.0	
20	QPSK	1	83	23.32	23.32	23.32			
20	QPSK	1	104	23.15	23.22	23.12			
20	QPSK	50	5	21.78	21.84	21.73	23.7	0.0	
20	QPSK	50	26	22.05	22.05	22.05	24.7	0.0	
20	QPSK	50	56	21.70	21.71	21.70	23.7	1.0	
20	QPSK	100	0	21.70	21.74	21.72			
20	16QAM	1	1	21.84	22.02	22.08	23.7	0.0	
20	16QAM	1	1	20.62	20.65	20.62	22.2	0.0	
20	256QAM	1	1	19.10	19.22	19.21	20.2	0.0	
Channel				16800	16700	16800	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				834.0	834.0	834.0			
10	QPSK	1	1	25.15	25.34	25.11	24.7	0.0	
Channel				16800	16700	16800	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				830	834.5	844			
10	QPSK	1	1	23.20	23.21	23.15	24.7	0.0	
Channel				16800	16700	16800	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				830.0	834.5	844.0			
5	QPSK	1	1	23.21	23.25	23.13	24.7	0.0	

n5_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tone-up limit (dBm)	MFR (dB)	
Channel				16880	16700	16760			
Frequency (MHz)				834	834.5	835			
20	QPSK	1	1	23.19	23.22	23.28	21.4	0.0	
20	QPSK	1	83	23.32	23.32	23.32			
20	QPSK	1	104	20.23	20.34	20.21			
20	QPSK	50	5	20.15	20.30	20.23	21.4	0.0	
20	QPSK	50	26	21.05	21.23	21.05	21.4	0.0	
20	QPSK	50	56	20.22	20.24	20.22	21.4	0.0	
20	QPSK	100	0	20.22	20.30	20.20			
20	16QAM	1	1	20.21	20.25	20.30	21.4	0.0	
20	16QAM	1	1	20.26	20.32	20.25	21.4	0.0	
20	256QAM	1	1	19.15	19.16	19.10	19.9	1.0	
Channel				16800	16700	16800	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				834.0	834.0	834.0			
10	QPSK	1	1	20.19	20.26	20.10	21.4	0.0	
Channel				16800	16700	16800	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				830	834.5	844			
10	QPSK	1	1	20.30	20.33	20.24	21.4	0.0	
Channel				16800	16700	16800	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				830.0	834.5	844.0			
5	QPSK	1	1	20.24	20.25	20.20	21.4	0.0	

n7_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tone-up limit (dBm)	MFR (dB)	
Channel				50000	50700	50900			
Frequency (MHz)				2500	2535	2540			
50	QPSK	1	1	23.03	23.08	23.01	24.3	0.0	
50	QPSK	1	134	23.04	23.22	23.04			
50	QPSK	1	244	23.04	23.07	23.04			
50	QPSK	135	5	20.59	20.62	20.59	23.7	0.0	
50	QPSK	135	86	21.01	21.05	21.05	24.2	0.0	
50	QPSK	135	135	20.50	20.59	20.54	21.7	2.0	
50	QPSK	270	0	20.50	20.60	20.50			
50	16QAM	1	1	21.70	21.79	21.70	23.2	1.0	
50	16QAM	1	1	20.50	20.53	20.50	23.7	0.0	
50	256QAM	1	1	19.01	19.02	18.99	19.7	4.0	
Channel				50400	50700	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2400	2400	2400			
40	QPSK	1	1	22.97	22.98	22.99	24.2	0.0	
Channel				51000	50700	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2510	2535	2530			
30	QPSK	1	1	22.89	22.93	22.89	24.2	0.0	
Channel				51000	50700	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2512.5	2530	2537.5			
25	QPSK	1	1	22.86	22.88	22.81	24.2	0.0	
Channel				51000	51000	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2510	2535	2530			
20	QPSK	1	1	22.89	22.93	22.89	24.2	0.0	
Channel				51000	50700	51200	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2517.5	2530	2532.5			
15	QPSK	1	1	23.12	23.05	22.93	24.2	0.0	
Channel				51000	50700	51300	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2520	2530	2540			
10	QPSK	1	1	23.04	23.01	22.91	24.2	0.0	
Channel				50000	50700	51300	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2502.5	2535	2547.5			
5	QPSK	1	1	23.01	22.89	22.83	24.2	0.0	

n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tone-up limit (dBm)	MFR (dB)	
Channel				50000	50700	50900			
Frequency (MHz)				2500	2535	2540			
50	QPSK	1	1	19.09	19.10	19.10			
50	QPSK	1	134	19.09	19.25	19.09			
50	QPSK	1	244	19.10	19.10	19.10	19.0	0.0	
50	QPSK	135	5	19.12	19.21	19.11	19.0	0.0	
50	QPSK	135	86	19.11	19.23	19.11	19.0	0.0	
50	QPSK	135	135	19.11	19.14	19.10	19.0	0.0	
50	QPSK	270	0	19.07	19.09	19.09			
50	16QAM	1	1	19.08	19.22	19.10	19.0	0.0	
50	16QAM	1	1	19.10	19.19	19.13	19.0	0.0	
50	256QAM	1	1	18.09	18.11	18.09	18.0	0.0	
Channel				50400	50700	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2400	2400	2400			
40	QPSK	1	1	19.14	19.19	19.09	19.0	0.0	
Channel				51000	50700	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2510	2535	2530			
30	QPSK	1	1	19.15	19.21	19.10	19.0	0.0	
Channel				51000	50700	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2512.5	2530	2537.5			
25	QPSK	1	1	19.10	19.22	19.09	19.0	0.0	
Channel				51000	51000	51000	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2510	2535	2530			
20	QPSK	1	1	19.12	19.21	19.10	19.0	0.0	
Channel				51000	50700	51200	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2517.5	2530	2532.5			
15	QPSK	1	1	19.10	19.20	19.10	19.0	0.0	
Channel				51000	50700	51300	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2520	2530	2540			
10	QPSK	1	1	19.08	19.12	19.07	19.0	0.0	
Channel				50000	50700	51300	Tone-up limit (dBm)	MFR (dB)	
Frequency (MHz)				2502.5	2535	2547.5			
5	QPSK	1	1	19.07	19.10	19.10	19.0	0.0	

n7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Media Ch / Freq	Power High Ch / Freq	Tone-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				50500	50700	50900			
50	QPSK	1	1	22.12	22.15	22.15	23.0	0.0	
50	QPSK	1	35	22.22	22.22	22.22			
50	QPSK	1	366	21.97	22.07	22.08			
50	QPSK	135	5	19.81	19.87	19.85	20.5	0.5	
50	QPSK	135	86	19.54	22.17	22.15	21.5	0.0	
50	QPSK	135	135	19.54	19.84	19.87	20.5	0.5	
50	QPSK	270	0	19.52	19.52	19.54			
50	16QAM	1	1	20.35	20.32	20.38	20.0	1.0	
50	16QAM	1	1	19.41	19.44	19.37	20.5	0.5	
50	256QAM	1	1	18.00	18.09	18.06	18.5	4.5	
Channel									
Frequency (MHz)				50400	50700	51000	Tone-up limit (dBm)	MPE (dB)	
40	QPSK	1	1	22.30	22.32	22.31	23.0	0.0	
Channel									
Frequency (MHz)				50300	50700	51100	Tone-up limit (dBm)	MPE (dB)	
30	QPSK	1	1	22.20	22.23	22.26	23.0	0.0	
Channel									
Frequency (MHz)				5012.5	5035	5057.5	Tone-up limit (dBm)	MPE (dB)	
25	QPSK	1	1	22.15	22.18	22.19	23.0	0.0	
Channel									
Frequency (MHz)				50000	50100	50200	Tone-up limit (dBm)	MPE (dB)	
20	QPSK	1	1	22.20	22.19	22.17	23.0	0.0	
Channel									
Frequency (MHz)				501500	501600	501650	Tone-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	22.21	22.22	22.19	23.0	0.0	
Channel									
Frequency (MHz)				501000	501050	501060	Tone-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	22.15	22.21	22.18	23.0	0.0	
Channel									
Frequency (MHz)				500500	501000	501050	Tone-up limit (dBm)	MPE (dB)	
5	QPSK	1	1	22.12	22.21	22.14	23.0	0.0	

n26_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Media Ch / Freq	Power High Ch / Freq	Tone-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				164850	165000	167900			
20	QPSK	1	1	23.25	23.34	23.24	24.7	0.0	
20	QPSK	1	35	23.22	23.32	23.32			
20	QPSK	1	104	23.25	23.30	23.32			
20	QPSK	50	5	22.34	22.41	22.32	23.7	0.0	
20	QPSK	50	26	23.15	23.40	23.35	24.7	0.0	
20	QPSK	50	56	22.34	22.41	22.36	23.7	1.0	
20	QPSK	100	0	22.22	22.30	22.26			
20	16QAM	1	1	22.08	22.10	22.04	23.7	1.0	
20	16QAM	1	1	20.35	20.65	20.58	22.2	2.5	
20	256QAM	1	1	19.27	19.29	19.25	20.2	4.5	
Channel									
Frequency (MHz)				164200	165000	166000	Tone-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	23.19	23.31	23.37	0.0	0.0	
Channel									
Frequency (MHz)				816.5	817.5	840.5	Tone-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	23.20	23.33	23.25	0.0	0.0	
Channel									
Frequency (MHz)				816.5	817.5	840.5	Tone-up limit (dBm)	MPE (dB)	
5	QPSK	1	1	23.22	23.32	23.34	0.0	0.0	

n26_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch / Freq	Power Media Ch / Freq	Power Low Ch / Freq	Tone-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				164850	165000	167900			
20	QPSK	1	1	20.27	20.45	20.23	21.5	0.0	
20	QPSK	1	35	20.22	20.40	20.35			
20	QPSK	1	104	20.28	20.35	20.24			
20	QPSK	50	5	20.25	20.33	20.23	21.5	0.0	
20	QPSK	50	26	20.15	20.40	20.35	21.5	0.0	
20	QPSK	50	56	20.33	20.35	20.29	21.5	0.0	
20	QPSK	100	0	20.22	20.30	20.22			
20	16QAM	1	1	20.27	20.48	20.37	21.5	0.0	
20	16QAM	1	1	20.24	20.47	20.24	21.5	0.0	
20	256QAM	1	1	19.20	19.21	19.25	20.0		1.5
Channel									
Frequency (MHz)				802000	802000	802000	Tone-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	20.32	20.41	20.37	0.0		
Channel									
Frequency (MHz)				802000	802000	802000	Tone-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	20.22	20.35	20.25	0.0		
Channel									
Frequency (MHz)				2.5	807	811.5	Tone-up limit (dBm)	MPE (dB)	
5	QPSK	1	1	20.33	20.37	20.20	0.0	0.0	

n66_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Media Ch / Freq	Power High Ch / Freq	Tone-up limit (dBm)	MPE (dB)	
Channel									
Frequency (MHz)				349000	349000	352000			
40	QPSK	1	1	23.03	23.05	22.97			
40	QPSK	1	366	23.00	23.02	23.00	24.4	0.0	
40	QPSK	1	214	23.00	23.01	23.00			
40	QPSK	108	9	21.40	21.43	21.41	23.4	1.0	
40	QPSK	108	54	21.05	22.07	22.00	24.4	0.0	
40	QPSK	108	108	21.42	21.43	21.41	23.4	1.0	
40	QPSK	216	9	21.40	21.40	21.40			
40	16QAM	1	1	21.75	21.80	21.74	23.4	1.0	
40	256QAM	1	1	20.41	20.42	20.32	21.9	2.5	
40	256QAM	1	1	19.01	19.02	19.07	19.9	4.5	
Channel									
Frequency (MHz)				348000	349000	350000	Tone-up limit (dBm)	MPE (dB)	
30	QPSK	1	1	23.08	23.02	23.06	24.4	0.0	
Channel									
Frequency (MHz)				348000	349000	353000	Tone-up limit (dBm)	MPE (dB)	
25	QPSK	1	1	23.03	23.02	23.07	24.4	0.0	
Channel									
Frequency (MHz)				1720	1740	1770	Tone-up limit (dBm)	MPE (dB)	
20	QPSK	1	1	23.04	23.11	23.04	24.4	0.0	
Channel									
Frequency (MHz)				1717.5	1740	1772.5	Tone-up limit (dBm)	MPE (dB)	
15	QPSK	1	1	23.05	23.09	23.08	24.4	0.0	
Channel									
Frequency (MHz)				1715	1740	1775	Tone-up limit (dBm)	MPE (dB)	
10	QPSK	1	1	23.07	23.15	23.13	24.4	0.0	
Channel									
Frequency (MHz)				348000	349000	350000	Tone-up limit (dBm)	MPE (dB)	
5	QPSK	1	1	23.05	23.05	23.05	24.4	0.0	

n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)	
Channel				340000	340000	350000			
Frequency (MHz)				17.00	17.00	17.00			
40	QPSK	1	1	14.84	14.86	14.91	18.9	0.0	
40	QPSK	1	104	14.82	14.85	14.85			
40	QPSK	1	214	14.82	14.81	14.85			
40	QPSK	108	3	14.73	15.00	14.88	18.9	0.0	
40	QPSK	108	54	15.00	15.03	15.03	18.9	0.0	
40	QPSK	108	108	14.81	14.86	14.82	18.9	0.0	
40	QPSK	216	3	14.88	15.00	14.88			
40	16QAM	1	1	14.84	14.85	14.81	18.9	0.0	
40	16QAM	1	1	14.88	14.94	14.90	18.9	0.0	
40	256QAM	1	1	14.79	14.88	14.80	18.9	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.00	17.00	17.00			
30	QPSK	1	1	14.36	14.81	14.79	18.9	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.00.5	17.00	17.00.5			
25	QPSK	1	1	14.09	14.82	14.80	18.9	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.00	17.00	17.00			
20	QPSK	1	1	14.06	15.01	14.81	18.9	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.01.5	17.00	17.01.5			
18	QPSK	1	1	14.03	14.80	14.78	18.9	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.01	17.00	17.01			
10	QPSK	1	1	14.14	14.89	14.84	18.9	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.01.8	17.00	17.01.8			
8	QPSK	1	1	14.89	14.87	14.78	18.9	0.0	

n66_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPE (dB)	
Channel				340000	340000	350000			
Frequency (MHz)				17.00	17.00	17.00			
40	QPSK	1	1	17.83	17.15	17.19			
40	QPSK	1	104	17.80	17.00	17.00	18.2	0.0	
40	QPSK	1	214	17.15	17.14	17.05			
40	QPSK	108	3	17.18	17.18	17.05	18.2	0.0	
40	QPSK	108	54	17.21	17.20	17.20	18.2	0.0	
40	QPSK	108	108	17.17	17.20	17.19	18.2	0.0	
40	QPSK	216	3	17.06	17.14	17.11			
40	16QAM	1	1	17.18	17.20	17.14	18.2	0.0	
40	16QAM	1	1	17.19	17.18	17.10	18.2	0.0	
40	256QAM	1	1	17.18	17.20	17.17	18.2	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.00	17.00	17.00			
30	QPSK	1	1	17.20	17.27	17.87	18.2	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.00.5	17.00	17.00.5			
25	QPSK	1	1	17.21	17.26	17.89	18.2	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.00	17.00	17.00			
20	QPSK	1	1	17.18	17.18	17.07	18.2	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.01.5	17.00	17.01.5			
18	QPSK	1	1	17.17	17.21	17.28	18.2	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.01	17.00	17.01			
10	QPSK	1	1	17.29	17.21	17.13	18.2	0.0	
Channel				340000	340000	350000	Time-up limit (dBm)	MPE (dB)	
Frequency (MHz)				17.01.8	17.00	17.01.8			
8	QPSK	1	1	17.16	17.18	17.87	18.2	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	23.59	23.63	23.52			
40	QPSK	1	53	23.67	23.69	23.63	24.7	0.0	
40	QPSK	1	104	23.51	23.54	23.44			
40	QPSK	50	0	22.47	22.56	22.48			
40	QPSK	50	28	23.69	23.69	23.67	24.7	0.0	
40	QPSK	50	56	22.42	22.46	22.42			
40	QPSK	100	0	22.42	22.50	22.45	23.7	1.0	
40	16QAM	1	1	22.30	22.36	22.30	23.7	1.0	
40	64QAM	1	1	20.76	20.85	20.78	22.2	2.5	
40	256QAM	1	1	19.40	19.47	19.42	20.2	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	(dB)		
30	QPSK	1	1	23.86	23.90	23.49	24.7	0.0	
Channel				515004	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	(dB)		
25	QPSK	1	1	23.50	23.54	23.43	24.7	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	(dB)		
20	QPSK	1	1	23.53	23.56	23.45	24.7	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dB)		
15	QPSK	1	1	23.54	23.54	23.49	24.7	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dB)		
10	QPSK	1	1	23.51	23.53	23.45	24.7	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	16.97	17.09	17.09			
40	QPSK	1	53	17.05	17.12	17.09	18.2	0.0	
40	QPSK	1	104	16.98	16.99	16.94			
40	QPSK	50	0	16.90	17.01	17.06			
40	QPSK	50	28	16.99	17.02	17.01	18.2	0.0	
40	QPSK	50	56	16.91	17.11	17.02			
40	QPSK	100	0	16.92	16.98	16.96	18.2	0.0	
40	16QAM	1	1	17.04	17.01	17.04	18.2	0.0	
40	64QAM	1	1	17.04	17.07	17.05	18.2	0.0	
40	256QAM	1	1	16.90	17.00	17.05	18.2	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	(dB)		
30	QPSK	1	1	16.95	17.05	16.99	18.2	0.0	
Channel				516004	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	(dB)		
25	QPSK	1	1	16.97	16.97	17.00	18.2	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	(dB)		
20	QPSK	1	1	16.88	17.02	16.97	18.2	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dB)		
15	QPSK	1	1	17.00	17.05	17.01	18.2	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dB)		
10	QPSK	1	1	17.01	16.98	16.97	18.2	0.0	

n38_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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	QPSK	1	1	22.55	22.59	22.48			
40	QPSK	1	53	22.54	22.68	22.63	23.8	0.0	
40	QPSK	1	104	22.41	22.48	22.41			
40	QPSK	50	0	21.42	21.52	21.50			
40	QPSK	50	28	22.54	22.42	22.58	23.8	0.0	
40	QPSK	50	56	21.33	21.41	21.34			
40	QPSK	100	0	21.34	21.42	21.32	22.8	1.0	
40	16QAM	1	1	21.23	21.30	21.25	22.8	1.0	
40	64QAM	1	1	19.75	19.82	19.78	21.3	2.5	
40	256QAM	1	1	18.34	18.40	18.35	19.3	4.5	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99	(dB)		
30	QPSK	1	1	22.62	22.60	22.58	23.8	0.0	
Channel				516004	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48	(dB)		
25	QPSK	1	1	22.60	22.64	22.54	23.8	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610	(dB)		
20	QPSK	1	1	22.56	22.64	22.59	23.8	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49	(dB)		
15	QPSK	1	1	22.55	22.60	22.59	23.8	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98	(dB)		
10	QPSK	1	1	22.60	22.62	22.57	23.8	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	23.54	23.64	23.52			
100	QPSK	1	1	23.54	23.64	23.52	24.7	0.0	
100	QPSK	1	137	23.68	23.71	23.67			
100	QPSK	1	271	23.54	23.55	23.51			
100	QPSK	135	0	21.09	21.11	21.04			
100	QPSK	135	69	23.54	23.68	23.64	24.7	0.0	
100	QPSK	135	138	20.93	20.95	20.87			
100	QPSK	270	0	20.83	20.92	20.87	22.2	2.5	
100	16QAM	1	1	22.31	22.35	22.25	23.7	1.0	
100	64QAM	1	1	20.76	20.87	20.77	22.2	2.5	
100	256QAM	1	1	19.45	19.45	19.42	20.2	4.5	
Channel				508200	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	23.68	23.67	23.59	24.7	0.0	
Channel				510204	518598	525996	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	23.64	23.67	23.60	24.7	0.0	
Channel				502000	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dBm)	(dB)	
60	QPSK	1	1	23.66	23.65	23.66	24.7	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	23.54	23.64	23.60	24.7	0.0	
Channel				502002	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	23.66	23.62	23.66	24.7	0.0	
Channel				502200	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	23.61	23.67	23.57	24.7	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2508.00	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	23.59	23.65	23.60	24.7	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	23.64	23.64	23.60	24.7	0.0	
Channel				502002	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	23.58	23.65	23.61	24.7	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	17.14	17.09	16.89			
100	QPSK	1	137	17.15	17.20	17.12	18.2	0.0	
100	QPSK	1	271	17.08	17.05	17.06			
100	QPSK	135	0	17.07	17.12	17.01			
100	QPSK	135	69	17.09	17.10	16.99	18.2	0.0	
100	QPSK	135	138	17.13	17.14	17.05			
100	QPSK	270	0	17.00	17.05	16.95	18.2	0.0	
100	16QAM	1	1	17.11	17.12	17.08	18.2	0.0	
100	64QAM	1	1	17.04	17.10	17.05	18.2	0.0	
100	256QAM	1	1	17.00	17.07	16.98	18.2	0.0	
Channel				508200	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	17.04	17.05	17.11	18.2	0.0	
Channel				510204	518598	525996	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	17.07	17.15	16.97	18.2	0.0	
Channel				502000	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dBm)	(dB)	
60	QPSK	1	1	17.06	17.19	16.98	18.2	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	17.02	17.15	16.90	18.2	0.0	
Channel				502002	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	17.11	17.00	17.00	18.2	0.0	
Channel				502200	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	17.03	17.06	17.08	18.2	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2508.00	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	17.07	17.08	17.02	18.2	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	17.11	17.03	16.97	18.2	0.0	
Channel				502002	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)	
10	QPSK	1	1	17.12	17.09	16.99	18.2	0.0	

FCC_n41_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				506002	518598	526000			
Frequency (MHz)				2548.01	2592.99	2640			
100	QPSK	1	1	22.52	22.60	22.59			
100	QPSK	1	137	22.69	22.70	22.68	24.0	0.0	
100	QPSK	1	271	22.48	22.54	22.50			
100	QPSK	135	0	20.05	20.08	20.01			
100	QPSK	135	69	22.48	22.54	22.50	24.0	0.0	
100	QPSK	135	138	19.90	19.96	19.83			
100	QPSK	270	0	19.88	19.88	19.78	21.5	2.5	
100	16QAM	1	1	21.33	21.38	21.29	23.0	1.0	
100	64QAM	1	1	19.80	19.87	19.81	21.5	2.5	
100	256QAM	1	1	18.44	18.47	18.41	19.5	4.5	
Channel				508200	518598	526996	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	22.45	22.46	22.45	24.0	0.0	
Channel				510204	518598	525996	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	22.68	22.63	22.67	24.0	0.0	
Channel				502000	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2658.98	(dBm)	(dB)	
60	QPSK	1	1	22.64	22.64	22.59	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	22.60	22.62	22.64	24.0	0.0	
Channel				502002	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	22.66	22.64	22.62	24.0	0.0	
Channel				502200	518598	535996	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	22.59	22.60	22.60	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2508.00	2592.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	22.60	22.69	22.64	24.0	0.0	

<WLAN 2.4GHz FCC>

2.4GHz WLAN			Default	Head_Standalone	Head_Simultaneous	Body Worn&Extremity&Hotspot	
Mode	Channel	Frequency (MHz)	Art 6	Art 6	Art 6	Art 6	Duty Cycle %
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.00	20.00	15.10	100
		6	2437	18.10	20.00	15.20	
		11	2462	18.00	20.00	15.10	
	802.11g 6Mbps	1	2412	14.20	18.50	15.00	97.21
		6	2437	17.10	19.00	17.10	
		11	2462	15.00	17.50	15.00	
	802.11n-HT20 MCS0	1	2412	13.50	15.50	13.50	97.04
		2	2417	16.20	18.00	15.00	
		6	2437	17.00	19.00	15.00	
	802.11n-HT40 MCS0	10	2457	15.40	17.20	15.40	94.48
		11	2462	13.20	15.00	13.20	
		3	2422	13.10	15.00	13.10	
	802.11ac-VHT20 MCS0	5	2452	11.00	13.00	13.00	97.04
		2	2417	14.00	16.00	14.00	
		6	2437	17.20	19.00	15.00	
	802.11ac-VHT40 MCS0	10	2457	15.50	17.50	15.50	94.48
		11	2462	13.30	15.00	13.30	
		3	2422	13.20	15.00	13.20	
	802.11ac-VHT80 MCS0	5	2457	13.90	15.50	13.90	
		6	2462	11.20	13.00	13.00	
		9	2452	11.20	13.00	13.00	

<WLAN 5GHz FCC>

5.2GHz WLAN			Default	Head_Standalone	Head_Simultaneous	Body Worn&Extremity_Standalone	Body Worn&Extremity_Simultaneous	Hotspot	
Mode	Channel	Frequency (MHz)	Art 9	Art 9	Art 9	Art 9	Art 9	Art 9	Duty Cycle %
			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	16.21	18.00	17.00	14.50	15.00	96.5
		40	5200	16.14	18.00	17.00	14.50	15.00	
		44	5220	16.20	18.00	17.00	14.50	15.00	
	802.11n-HT20 MCS0	48	5240	16.18	18.00	17.00	14.50	15.00	96.3
		36	5180	15.72	17.50	17.00	14.50	15.00	
		40	5200	16.11	18.00	17.00	14.50	15.00	
	802.11n-HT40 MCS0	44	5220	16.10	18.00	17.00	14.50	15.00	91.3
		48	5240	16.09	18.00	17.00	14.50	15.00	
		36	5180	13.04	15.00	13.04	13.04	13.04	
	802.11ac-VHT20 MCS0	49	5239	17.00	19.00	14.90	17.00	13.08	96.3
		36	5180	15.76	17.50	17.00	14.50	15.00	
		40	5200	16.11	18.00	17.00	14.50	15.00	
	802.11ac-VHT40 MCS0	44	5220	16.12	18.00	17.00	14.50	15.00	91.3
		48	5240	16.10	18.00	17.00	14.50	15.00	
		36	5180	13.06	15.00	13.06	13.06	13.06	
	802.11ac-VHT80 MCS0	48	5239	17.07	19.00	17.00	14.50	15.00	90.45
		40	5210	16.02	18.00	12.50	12.50	12.50	
		42	5210	16.02	18.00	12.50	12.50	12.50	

5.3GHz WLAN			Default	Head_Standalone	Head_Simultaneous	Body Worn&Extremity_Standalone	Body Worn&Extremity_Simultaneous	
Mode	Channel	Frequency (MHz)	Art 9	Art 9	Art 9	Art 9	Art 9	Duty Cycle %
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	
5.3GHz WLAN	802.11a 6Mbps	52	5280	16.22	18.00	17.00	14.50	96.5
		56	5300	16.20	18.00	17.00	14.50	
		60	5320	16.24	18.00	17.00	14.50	
	802.11n-HT20 MCS0	52	5280	16.16	18.00	17.00	14.50	96.3
		56	5300	16.09	18.00	17.00	14.50	
		60	5320	16.16	18.00	17.00	14.50	
	802.11n-HT40 MCS0	64	5320	14.68	16.50	16.50	14.50	91.3
		54	5270	16.50	18.50	12.62	14.50	
		62	5310	12.43	14.00	12.43	14.00	
	802.11ac-VHT20 MCS0	52	5280	16.16	18.00	17.00	14.50	96.3
		56	5300	16.14	18.00	17.00	14.50	
		60	5320	16.24	18.00	17.00	14.50	
	802.11ac-VHT40 MCS0	64	5320	14.66	16.50	16.50	14.50	91.3
		54	5270	16.50	18.50	12.50	14.50	
		62	5310	12.46	14.00	12.50	14.00	
	802.11ac-VHT80 MCS0	56	5290	9.54	11.50	11.50	11.50	90.45
		58	5290	9.54	11.50	11.50	11.50	
		60	5300	9.54	11.50	11.50	11.50	

5.5GHz WLAN			Default	Head_Standalone	Head_Simultaneous	Body Worn&Extremity_Standalone	Body Worn&Extremity_Simultaneous	
Mode	Channel	Frequency (MHz)	Art 9	Art 9	Art 9	Art 9	Art 9	Duty Cycle %
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	
5.5GHz WLAN	802.11a 6Mbps	100	5500	12.27	14.00	14.00	14.00	96.5
		116	5580	9.34	11.00	11.00	11.00	
		124	5620	12.11	14.00	14.00	14.00	
	802.11n-HT20 MCS0	132	5660	12.08	14.00	14.00	14.00	96.3
		140	5700	9.47	11.00	11.00	11.00	
		150	5800	12.02	14.00	14.00	14.00	
	802.11n-HT40 MCS0	116	5580	9.39	11.00	11.00	11.00	91.3
		124	5620	12.00	14.00	14.00	14.00	
		132	5660	11.95	14.00	14.00	14.00	
	802.11ac-VHT20 MCS0	140	5700	9.01	11.00	11.00	11.00	96.3
		102	5510	11.40	13.00	11.40	11.40	
		110	5550	17.05	19.00	15.00	17.00	91.3
	802.11ac-VHT40 MCS0	126	5630	17.01	19.00	12.17	14.00	96.3
		134	5670	10.96	12.50	10.96	12.50	
		100	5500	12.03	14.00	14.00	14.00	
	802.11ac-VHT80 MCS0	116	5580	9.39	11.00	11.00	11.00	91.3
		124	5620	12.09	14.00	14.00	14.00	
		132	5660	12.04	14.00	14.00	14.00	
	802.11ac-VHT40 MCS0	140	5700	9.01	11.00	11.00	11.00	91.3
		102	5510	11.50	13.00	13.00	13.00	
		110	5550	17.05	19.00	17.00	17.00	
	802.11ac-VHT80 MCS0	126	5630	17.03	19.00	14.00	14.00	90.45
		134	5670	10.61	12.50	12.50	12.50	
		106	5530	9.64	11.50	11.50	11.50	
	802.11ac-VHT80 MCS0	122	5610	10.96	12.50	12.50	12.50	
		108	5530	9.64	11.50	11.50	11.50	
		122	5610	10.96	12.50	12.50	12.50	

5.8GHz WLAN			Default		Head&Body Worn&Extremity&Hotspot			
Mode	Channel	Frequency (MHz)	Art 9		Art 9		Duty Cycle %	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	148	5745	9.41	11.00	9.41	11.00	96.5
		157	5785	9.43	11.00	9.43	11.00	
		165	5825	11.18	13.00	11.18	13.00	
	802.11n-HT20 MCS0	149	5745	9.70	11.50	9.70	11.50	96.3
		157	5785	9.88	11.50	9.88	11.50	
		165	5825	11.09	13.00	11.09	13.00	
	802.11n-HT40 MCS0	151	5785	11.63	13.50	11.63	13.50	91.3
		159	5795	11.51	13.50	11.51	13.50	
		167	5805	9.88	11.50	9.88	11.50	
	802.11ac-VHT20 MCS0	149	5745	9.88	11.50	9.88	11.50	96.3
		157	5785	9.93	11.50	9.93	11.50	
		165	5825	11.12	13.00	11.12	13.00	
	802.11ac-VHT40 MCS0	151	5785	11.64	13.50	11.64	13.50	91.3
		159	5795	11.58	13.50	11.58	13.50	
		167	5805	11.58	13.50	11.58	13.50	
	802.11ac-VHT80 MCS0	155	5775	10.68	12.50	10.68	12.50	90.45
		163	5815	10.68	12.50	10.68	12.50	
		171	5835	10.68	12.50	10.68	12.50	

<Bluetooth>

	Mode	Channel	Frequency (MHz)	Default Full		Duty Cycle %
				Ant 6		
				Average power (dBm)	Tune-Up Limit	
Bluetooth	BR / EDR 1Mbps	0	2402	11.80	14.00	76.23%
		39	2441	11.70	14.00	
		78	2480	12.00	14.00	
	BR / EDR 2Mbps	0	2402	9.20	11.00	76.80%
		39	2441	9.00	11.00	
		78	2480	9.40	11.00	
	BR / EDR 3Mbps	0	2402	9.20	11.00	76.86%
		39	2441	9.00	11.00	
		78	2480	9.40	11.00	
	LE 1Mbps	0	2402	6.10	7.00	60.70%
		19	2440	6.20	7.00	
		39	2480	6.10	7.00	
	LE 2Mbps	1	2404	6.00	7.00	31.42%
		19	2440	6.10	7.00	
		38	2478	6.00	7.00	
	LE 125Kbps	0	2402	6.20	7.00	82.22%
		19	2440	6.30	7.00	
		39	2480	6.20	7.00	
	LE 500Kbps	1	2404	6.10	7.00	56.38%
		19	2440	6.20	7.00	
		38	2478	6.10	7.00	