

Full & Default Power Mode

GSM850 Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		128	189	251				128	189	251		
Frequency (MHz)		824.2	836.4	848.8				824.2	836.4	848.8		
GSM 1 Tx slot		32.02	31.98	31.94				33.50	23.02	22.98		
GPRS 1 Tx slot		32.01	32.02	31.91				33.50	23.01	23.02		
GPRS 2 Tx slots		31.22	31.23	31.16				32.50	25.22	25.23		
GPRS 3 Tx slots		29.41	29.42	29.33				30.50	25.15	25.16		
GPRS 4 Tx slots		28.20	28.25	28.13				29.50	25.20	25.25		
EDGE 1 Tx slot		26.38	26.43	26.45				27.50	17.38	17.43		
EDGE 2 Tx slots		25.14	25.23	25.37				26.50	19.14	19.23		
EDGE 3 Tx slots		22.91	22.98	23.07				24.00	18.65	18.72		
EDGE 4 Tx slots		21.58	21.66	21.69				22.50	18.56	18.66		

GSM1900 Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel		512	661	810				512	661	810		
Frequency (MHz)		1850.2	1860	1909.8				1850.2	1880	1909.8		
GSM 1 Tx slot		28.85	28.84	29.01				30.50	19.85	19.84		
GPRS 1 Tx slot		28.85	28.86	28.99				30.50	19.85	19.86		
GPRS 2 Tx slots		28.23	28.21	28.35				22.23	22.21	22.35		
GPRS 3 Tx slots		26.55	26.46	26.65				27.50	22.29	22.20		
GPRS 4 Tx slots		25.44	25.66	25.54				26.50	22.44	22.66		
EDGE 1 Tx slot		25.62	25.48	25.70				26.50	16.62	16.48		
EDGE 2 Tx slots		24.47	24.31	24.52				25.50	18.47	18.31		
EDGE 3 Tx slots		22.24	22.06	22.39				23.00	17.98	17.80		
EDGE 4 Tx slots		21.04	20.77	20.99				22.00	18.04	17.77		

Band		WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			Tune-up Limit (dBm)	WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Frequency (MHz)		9662	9800	9938		1537	1638	1738		4357	4407	4458	
3GPP Rel 99		1832.4	1840	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMA 12.2kbps	23.00	23.21	23.21	24.00	22.76	23.02	22.99	24.00	23.09	23.38	23.36	24.00
3GPP Rel 99	RMC 12.2kbps	23.04	23.42	23.27	24.00	22.90	23.23	23.18	24.00	23.22	23.53	23.45	24.00
3GPP Rel 6	HSDPA Subtest-1	22.22	22.22	22.27	23.00	21.99	22.05	22.08	23.00	22.29	22.44	22.39	23.00
3GPP Rel 6	HSDPA Subtest-2	22.24	22.29	22.28	23.00	22.00	22.16	22.08	23.00	22.29	22.43	22.44	23.00
3GPP Rel 6	HSDPA Subtest-3	21.70	21.87	21.69	22.50	21.68	21.74	21.47	22.50	21.90	21.95	21.87	22.50
3GPP Rel 6	HSDPA Subtest-4	21.64	21.82	21.75	22.50	21.55	21.66	21.49	22.50	21.84	21.91	21.89	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.26	22.17	22.23	23.00	22.06	22.08	22.00	23.00	22.36	22.33	22.31	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.16	22.20	22.12	23.00	21.96	21.95	22.00	23.00	22.26	22.32	22.30	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.64	21.80	21.63	22.50	21.56	21.53	21.43	22.50	21.83	21.89	21.79	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.53	21.75	21.59	22.50	21.38	21.67	21.42	22.50	21.76	21.84	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	22.04	22.25	22.22	23.00	21.85	22.05	22.02	23.00	22.25	22.40	22.34	23.00
3GPP Rel 6	HSUPA Subtest-2	20.23	20.29	20.17	21.00	20.02	20.13	20.05	21.00	20.35	20.48	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	21.21	21.43	21.29	22.00	21.08	21.27	20.98	22.00	21.35	21.58	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	20.05	20.26	20.17	21.00	19.84	20.10	20.00	21.00	20.16	20.41	20.30	21.00
3GPP Rel 6	HSUPA Subtest-5	22.00	22.21	22.27	23.00	21.84	22.04	22.09	23.00	22.16	22.32	22.43	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.72	19.81	19.89	20.50	19.52	19.60	19.73	20.50	19.96	19.93	20.04	20.50

Band		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9462	9600	9738		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1980	1997.6		1712.4	1732.6	1752.8		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.84	23.11	23.08	24.00	22.71	23.15	23.08	24.00	22.89	23.24	23.23	24.00
3GPP Rel 99	AMR 12.2Kbps	22.90	23.22	23.16	24.00	22.95	23.21	23.11	24.00	23.08	23.37	23.26	24.00
3GPP Rel 6	HSDPA Subtest-1	22.06	22.06	22.13	23.00	22.00	22.20	22.05	23.00	22.13	22.31	22.20	23.00
3GPP Rel 6	HSDPA Subtest-2	22.13	22.19	22.17	23.00	22.02	22.12	22.05	23.00	22.19	22.29	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	21.61	21.77	21.52	22.50	21.54	21.70	21.65	22.50	21.71	21.82	21.78	22.50
3GPP Rel 6	HSDPA Subtest-4	21.51	21.69	21.62	22.50	21.52	21.59	21.54	22.50	21.70	21.77	21.69	22.50
3GPP Rel 8	DCHSDPA Subtest-1	22.17	22.05	22.13	23.00	21.99	22.04	22.01	23.00	22.17	22.16	22.14	24.00
3GPP Rel 8	DCHSDPA Subtest-2	22.06	22.09	21.94	23.00	21.93	21.96	22.05	23.00	22.10	22.15	22.14	23.00
3GPP Rel 8	DCHSDPA Subtest-3	21.54	21.64	21.49	22.50	21.55	21.61	21.55	22.50	21.66	21.79	21.67	23.50
3GPP Rel 8	DCHSDPA Subtest-4	21.34	21.59	21.41	22.50	21.48	21.53	21.50	22.50	21.64	21.71	21.64	23.50
3GPP Rel 6	HSUPA Subtest-1	21.90	22.14	22.11	23.00	21.93	22.16	22.08	23.00	22.11	22.31	22.17	23.00
3GPP Rel 6	HSUPA Subtest-2	20.08	20.12	20.08	21.00	20.09	20.13	20.07	21.00	20.22	20.31	20.25	22.00
3GPP Rel 6	HSUPA Subtest-3	21.02	21.29	21.15	22.00	21.01	21.28	21.10	22.00	21.29	21.40	21.27	23.00
3GPP Rel 6	HSUPA Subtest-4	19.92	20.07	20.07	21.00	19.86	20.15	20.07	21.00	20.03	20.25	20.19	22.00
3GPP Rel 6	HSUPA Subtest-5	21.85	22.08	22.10	23.00	21.79	22.05	22.12	23.00	21.99	22.18	22.26	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.61	19.69	19.79	20.50	19.65	19.66	19.78	20.50	19.77	19.79	19.94	21.50

Band 26 for FCC Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turnup Init. (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.55	22.64	22.61			24	0		
15	QPSK	1	3	22.45	22.44	22.43						
15	QPSK	1	74	22.40	22.43	22.32			23	1		
15	QPSK	36	0	21.63	21.73	21.54						
15	QPSK	36	26	21.46	21.56	21.41			23	1		
15	QPSK	36	39	21.34	21.43	21.47						
15	QPSK	75	0	21.58	21.62	21.60			23	1		
15	16QAM	1	0	21.82	21.84	21.85						
15	16QAM	1	37	21.74	21.86	21.81			23	1		
15	16QAM	1	74	21.79	21.84	21.69						
15	16QAM	36	0	20.41	20.52	20.32			22	2		
15	16QAM	36	20	20.44	20.53	20.47						
15	16QAM	36	39	20.39	20.49	20.36			22	2		
15	16QAM	75	0	20.37	20.51	20.49						
15	16QAM	75	26	20.34	20.44	20.42			22	2		
15	16QAM	75	39	20.27	20.37	20.52						
15	64QAM	1	0	20.77	20.81	20.79			22	2		
15	64QAM	1	37	20.70	20.76	20.62						
15	64QAM	1	74	20.68	20.71	20.65			21	3		
15	64QAM	36	0	19.45	19.55	19.46						
15	64QAM	36	20	19.35	19.47	19.34			21	3		
15	64QAM	36	39	19.31	19.36	19.40						
15	64QAM	75	0	19.38	19.50	19.42			21	3		
15	256QAM	1	37	17.57	17.67	17.63						
15	256QAM	1	74	17.63	17.68	17.58			19	5		
15	256QAM	36	0	17.43	17.57	17.38						
15	256QAM	36	20	17.33	17.41	17.34			19	5		
15	256QAM	36	39	17.34	17.41	17.39						
15	256QAM	75	0	17.36	17.45	17.32			Turnup			
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.55	22.42	22.49			24	0		
15	QPSK	1	26	22.48	22.49	22.33						
15	QPSK	1	49	22.32	22.33	22.28			23	1		
15	QPSK	26	0	21.62	21.49	21.47						
15	QPSK	26	12	21.45	21.41	21.33			23	1		
15	QPSK	26	26	21.32	21.22	21.33						
15	QPSK	50	0	21.65	21.60	21.56			23	1		
15	16QAM	1	0	21.82	21.87	21.79						
15	16QAM	1	26	21.83	21.84	21.75			22	2		
15	16QAM	1	49	21.79	21.82	21.68						
15	16QAM	26	0	20.40	20.34	20.46			21	3		
15	16QAM	26	12	20.46	20.34	20.37						
15	16QAM	50	0	20.35	20.29	20.34			22	2		
15	64QAM	1	0	20.68	20.63	20.68						
15	64QAM	1	26	20.68	20.63	20.65			22	2		
15	64QAM	1	49	20.58	20.57	20.53						
15	64QAM	26	0	19.42	19.30	19.37			19	5		
15	64QAM	26	12	19.34	19.24	19.28						
15	64QAM	26	26	19.20	19.23	19.35			19	5		
15	64QAM	50	0	19.35	19.31	19.28						
15	256QAM	1	26	17.59	17.44	17.59			19	5		
15	256QAM	1	49	17.68	17.56	17.49						
15	256QAM	26	0	17.48	17.54	17.34			19	5		
15	256QAM	26	12	17.29	17.28	17.28						
15	256QAM	26	26	17.34	17.21	17.34			Turnup			
15	256QAM	50	0	17.36	17.24	17.32						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.63	22.40	22.47			24	0		
5	QPSK	1	12	22.43	22.29	22.40						
5	QPSK	1	24	22.34	22.25	22.21			23	1		
5	QPSK	12	0	21.57	21.47	21.47						
5	QPSK	12	7	21.51	21.42	21.29			23	1		
5	QPSK	12	13	21.33	21.20	21.37						
5	QPSK	36	0	21.60	21.60	21.60			23	1		
5	16QAM	1	0	21.85	21.68	21.71						
5	16QAM	1	12	21.80	21.68	21.72			22	2		
5	16QAM	1	24	21.80	21.74	21.68						
5	16QAM	12	0	20.47	20.32	20.47			21	3		
5	16QAM	12	7	20.47	20.39	20.34						
5	16QAM	12	14	20.35	20.38	20.27			22	2		
5	16QAM	25	0	20.40	20.29	20.39						
5	64QAM	1	0	20.69	20.63	20.71			22	2		
5	64QAM	1	12	20.61	20.62	20.65						
5	64QAM	1	24	20.64	20.62	20.63			21	3		
5	64QAM	12	0	19.42	19.29	19.27						
5	64QAM	12	7	19.37	19.28	19.26			21	3		
5	64QAM	12	13	19.23	19.23	19.31						
5	64QAM	25	0	19.42	19.25	19.33			19	5		
5	256QAM	1	0	17.67	17.58	17.67						
5	256QAM	1	12	17.58	17.47	17.62			19	5		
5	256QAM	1	24	17.68	17.54	17.53						
5	256QAM	12	0	17.48	17.34	17.26			19	5		
5	256QAM	12	7	17.30	17.28	17.32						
5	256QAM	12	13	17.41	17.27	17.35			19	5		
5	256QAM	25	0	17.37	17.27	17.28						
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.63	22.40	22.47			24	0		
3	QPSK	1	8	22.47	22.34	22.33						
3	QPSK	1	14	22.34	22.30	22.29			23	1		
3	QPSK	8	0	21.63	21.62	21.66						
3	QPSK	8	4	21.43	21.36	21.29			23	1		
3	QPSK	8	7	21.29	21.18	21.32						
3	QPSK	15	0	21.15	21.45	21.46			23	1		
3	16QAM	1	0	21.80	21.72	21.75						
3	16QAM	1	8	21.74	21.63	21.75			23	1		
3	16QAM	1	14	21.65	21.75	21.67						
3	16QAM	8	0	20.46	20.35	20.36			22	2		
3	16QAM	8	4	20.44	20.39	20.35						
3	16QAM	8	7	20.35	20.29	20.25			22	2		
3	16QAM	15	0	20.36	20.32	20.33						
3	64QAM	1	0	20.75	20.70	20.73			22	2		
3	64QAM	1	8	20.67	20.62	20.63						
3	64QAM	1	14	20.58	20.58	20.54			21	3		
3	64QAM	8	0	19.45	19.31	19.29						
3	64QAM	8	4	19.36	19.23	19.20			19	5		
3	64QAM	8	7	19.25	19.18	19.31						
3	64QAM	15	0	19.40	19.25	19.36			19	5		
3	256QAM	1	0	17.61	17.56	17.56						
3	256QAM	1	8	17.60	17.42	17.53			19	5		
3	256QAM	1	14	17.58	17.48	17.53						
3	256QAM	8	0	17.46	17.33	17.26			19	5		
3	256QAM	8	4	17.25	17.29	17.23						
3	256QAM	8	7	17.39	17.31	17.35			19	5		
3	256QAM	15	0	17.40	17.34	17.38						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.52	22.45	22.45			24	0		
1.4	QPSK	1	3	22.47	22.31	22.35						
1.4	QPSK	1	5	22.29	22.31	22.16			23	1		
1.4	QPSK	3	0	22.47	22.37	22.41						
1.4	QPSK	3	1	22.35	22.19	22.27			23	1		
1.4	QPSK	3	3	22.20	22.19	22.05						
1.4	QPSK	15	0	21.57	21.43	21.39			23	1		
1.4	16QAM	1	0	21.87	21.72	21.72						

Band 13 Ant 1									
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.65	22.65	22.65	24	0	
10	QPSK	1	25	22.73	22.73	22.73			
10	QPSK	1	49	22.87	22.87	22.87			
10	QPSK	25	0	21.84	21.84	21.84			
10	QPSK	25	12	21.74	21.74	21.74	23	1	
10	QPSK	25	25	21.69	21.69	21.69			
10	QPSK	50	0	21.65	21.65	21.65			
10	16QAM	1	0	22.05	22.05	22.05			
10	16QAM	1	25	22.03	22.03	22.03	23	1	
10	16QAM	1	49	22.07	22.07	22.07			
10	16QAM	25	0	20.75	20.75	20.75			
10	16QAM	25	12	20.74	20.74	20.74			
10	16QAM	25	25	20.69	20.69	20.69	22	2	
10	16QAM	50	0	20.52	20.52	20.52			
10	64QAM	1	0	21.50	21.50	21.50			
10	64QAM	1	25	20.98	20.98	20.98			
10	64QAM	1	49	20.95	20.95	20.95	21	3	
10	64QAM	25	0	19.67	19.67	19.67			
10	64QAM	25	12	19.68	19.68	19.68			
10	64QAM	25	25	19.52	19.52	19.52			
10	64QAM	50	0	19.70	19.70	19.70	19	5	
10	256QAM	1	25	17.84	17.84	17.84			
10	256QAM	1	49	17.87	17.87	17.87			
10	256QAM	25	0	17.68	17.68	17.68			
10	256QAM	25	12	17.61	17.61	17.61	19	5	
10	256QAM	25	25	17.62	17.62	17.62			
10	256QAM	50	0	17.72	17.72	17.72			

Band 14 Ant 1												
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.69	22.69	22.69	24	0				
10	QPSK	1	25	22.69	22.69	22.69						
10	QPSK	1	49	22.44	22.44	22.44						
10	QPSK	25	0	21.72	21.72	21.72						
10	QPSK	25	12	21.58	21.58	21.58	23	1				
10	QPSK	25	25	21.51	21.51	21.49						
10	QPSK	50	0	21.62	21.62	21.62						
10	16QAM	1	0	21.93	21.93	21.93						
10	16QAM	1	25	21.96	21.96	21.96	23	1				
10	16QAM	1	49	21.97	21.97	21.97						
10	16QAM	25	0	20.57	20.57	20.57						
10	16QAM	25	12	20.42	20.42	20.42						
10	16QAM	25	25	20.46	20.46	20.46	22	2				
10	16QAM	50	0	20.52	20.52	20.46						
10	64QAM	1	0	20.52	20.52	20.52						
10	64QAM	1	25	20.78	20.78	20.78						
10	64QAM	1	49	20.70	20.70	20.70	22	2				
10	64QAM	25	0	19.58	19.49	19.48						
10	64QAM	25	12	19.48	19.48	19.48						
10	64QAM	25	25	19.46	19.46	19.46						
10	64QAM	50	0	19.48	19.38	19.48	21	3				
10	256QAM	1	0	17.79	17.79	17.79						
10	256QAM	1	25	17.72	17.68	17.68						
10	256QAM	1	49	17.65	17.67	17.68						
10	256QAM	25	0	17.58	17.46	17.47	19	5				
10	256QAM	25	12	17.48	17.46	17.46						
10	256QAM	25	25	17.51	17.48	17.48						
10	256QAM	50	0	17.59	17.48	17.48						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.60	22.61	22.63	24	0				
5	QPSK	1	12	22.60	22.48	22.39						
5	QPSK	1	24	22.33	22.35	22.36						
5	QPSK	12	0	21.61	21.69	21.68						
5	QPSK	12	7	21.47	21.60	21.60	23	1				
5	QPSK	12	13	21.43	21.46	21.47						
5	QPSK	25	0	21.60	21.67	21.67						
5	QPSK	1	0	21.80	21.81	21.86						
5	16QAM	1	12	21.92	21.89	21.87	23	1				
5	16QAM	1	24	21.56	21.65	21.61						
5	16QAM	12	0	20.46	20.45	20.45						
5	16QAM	12	7	20.59	20.49	20.47						
5	16QAM	12	13	20.36	20.32	20.37	22	2				
5	16QAM	25	0	20.50	20.46	20.43						
5	64QAM	1	0	20.73	20.74	20.76						
5	64QAM	1	12	20.74	20.70	20.67						
5	64QAM	1	24	20.57	20.59	20.55	22	2				
5	64QAM	12	0	19.52	19.56	19.47						
5	64QAM	12	7	19.41	19.37	19.34						
5	64QAM	12	13	19.44	19.42	19.34						
5	64QAM	25	0	19.31	19.30	19.30	21	3				
5	256QAM	1	0	17.66	17.58	17.58						
5	256QAM	1	12	17.63	17.65	17.69						
5	256QAM	1	24	17.54	17.54	17.56						
5	256QAM	12	0	17.50	17.52	17.52	19	5				
5	256QAM	12	7	17.39	17.34	17.34						
5	256QAM	12	13	17.43	17.48	17.44						
5	256QAM	25	0	17.41	17.48	17.41						

Band 17 Ant 1												
BW (MHz)	Modulation	RS Size	RS Offset	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turnup time (sec)	MPE (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.61	22.60	22.66	24	0				
10	QPSK	1	25	22.52	22.51	22.47						
10	QPSK	1	49	22.39	22.53	22.43						
10	QPSK	25	0	21.62	21.74	21.63						
10	QPSK	25	12	21.42	21.58	21.43	23	1				
10	QPSK	25	25	21.42	21.51	21.49						
10	QPSK	50	0	21.66	21.64	21.56						
10	16QAM	1	0	21.65	21.69	21.69						
10	16QAM	1	25	21.92	21.92	21.79	23	1				
10	16QAM	1	49	21.76	21.90	21.86						
10	16QAM	25	0	20.51	20.59	20.49						
10	16QAM	25	12	20.42	20.42	20.42						
10	16QAM	25	25	20.46	20.46	20.46	22	2				
10	16QAM	50	0	20.46	20.52	20.46						
10	64QAM	1	0	20.69	20.65	20.79						
10	64QAM	1	25	20.61	20.78	20.81						
10	64QAM	1	49	20.67	20.66	20.71	22	2				
10	64QAM	25	0	19.46	19.49	19.49						
10	64QAM	25	12	19.40	19.52	19.40						
10	64QAM	25	25	19.45	19.42	19.41						
10	64QAM	50	0	19.38	19.48	19.40	21	3				
10	256QAM	1	0	17.72	17.76	17.76						
10	256QAM	1	25	17.61	17.69	17.59						
10	256QAM	1	49	17.67	17.68	17.68						
10	256QAM	25	0	17.44	17.50	17.41	19	5				
10	256QAM	25	12	17.39	17.47	17.34						
10	256QAM	25	25	17.46	17.52	17.40						
10	256QAM	50	0	17.47	17.50	17.45						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.56	22.61	22.48	24	0				
5	QPSK	1	12	22.47	22.39	22.37						
5	QPSK	1	24	22.32	22.45	22.32						
5	QPSK	12	0	21.63	21.62	21.60						
5	QPSK	12	7	21.49	21.53	21.39	23	1				
5	QPSK	12	19	21.44	21.44	21.34						
5	QPSK	25	0	21.62	21.63	21.58						
5	16QAM	1	0	21.73	21.74	21.78						
5	16QAM	1	12	21.58	21.64	21.71	23	1				
5	16QAM	1	24	21.69	21.87	21.80						
5	16QAM	12	0	20.45	20.58	20.45						
5	16QAM	12	7	20.38	20.53	20.43						
5	16QAM	12	19	20.31	20.42	20.35	22	2				
5	16QAM	25	0	20.40	20.48	20.36						
5	16QAM	25	12	20.37	20.46	20.35						
5	16QAM	1	12	20.49	20.73	20.75						
5	16QAM	1	24	20.64	20.62	20.65	22	2				
5	16QAM	1	36	20.76	20.76	20.76						
5	16QAM	12	19	19.36	19.38	19.26						
5	16QAM	12	18	19.38	19.44	19.26						
5	16QAM	12	13	19.42	19.36	19.33	21	3				
5	16QAM	12	14	19.43	19.33	19.33						
5	256QAM	1	0	17.63	17.66	17.62						
5	256QAM	1	12	17.63	17.66	17.62						
5	256QAM	1	24	17.66	17.66	17.62	21	3				
5	256QAM	1	36	17.66	17.66	17.62						
5	256QAM	12	18	17.38	17.44	17.37						
5	256QAM	12	17	17.39	17.33	17.34						
5	256QAM	12	12	17.42	17.42	17.37	19	5				
5	256QAM	25	0	17.45	17.45	17.41						

Band 26 for FCC Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Mid Ch / Freq.	Power High Ch / Freq.	Turn-up time (sec)	MPE (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.58	22.62	22.65	24	0		
15	QPSK	1	37	22.47	22.48	22.49				
15	QPSK	1	74	22.34	22.45	22.38				
15	QPSK	36	0	21.58	21.73	21.57				
15	QPSK	36	26	21.40	21.47	21.38	23	1		
15	QPSK	36	39	21.37	21.49	21.36				
15	QPSK	75	0	21.49	21.65	21.55				
15	16QAM	1	0	21.85	21.86	21.87				
15	16QAM	1	37	21.75	21.87	21.76	23	1		
15	16QAM	1	74	21.70	21.88	21.78				
15	16QAM	36	0	20.51	20.58	20.44				
15	16QAM	36	20	20.45	20.51	20.44				
15	16QAM	36	39	20.38	20.41	20.35	22	2		
15	16QAM	75	0	20.50	20.42	20.41				
15	64QAM	1	0	20.74	20.81	20.83				
15	64QAM	1	37	20.59	20.89	20.74				
15	64QAM	1	74	20.62	20.64	20.70	21	3		
15	64QAM	36	0	19.45	19.52	19.39				
15	64QAM	36	20	19.39	19.50	19.35				
15	64QAM	36	39	19.37	19.38	19.33				
15	256QAM	1	0	17.63	17.73	17.68	19	5		
15	256QAM	1	37	17.59	17.63	17.59				
15	256QAM	1	74	17.61	17.64	17.64				
15	256QAM	36	0	17.38	17.53	17.39				
15	256QAM	36	20	17.37	17.43	17.29	19	5		
15	256QAM	36	39	17.32	17.43	17.35				
15	256QAM	75	0	17.47	17.47	17.47				
Channel				22.65	22.65	22.65	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				22.67	22.66	22.66				
10	QPSK	1	0	22.59	22.62	22.49	24	0		
10	QPSK	1	26	22.35	22.38	22.31				
10	QPSK	1	49	22.36	22.23	22.31				
10	QPSK	24	0	21.72	21.52	21.52				
10	QPSK	25	12	21.47	21.31	21.35	23	1		
10	QPSK	25	26	21.38	21.32	21.29				
10	QPSK	50	0	21.64	21.49	21.47				
10	16QAM	1	0	21.75	21.75	21.85				
10	16QAM	1	26	21.81	21.72	21.64	23	1		
10	16QAM	1	49	21.87	21.64	21.73				
10	16QAM	25	0	20.55	20.42	20.40				
10	16QAM	25	12	20.50	20.33	20.37				
10	16QAM	25	26	20.40	20.34	20.23	22	2		
10	16QAM	50	0	20.34	20.41	20.36				
10	64QAM	1	0	20.78	20.64	20.78				
10	64QAM	1	26	20.70	20.50	20.72				
10	64QAM	1	49	20.54	20.59	20.62	22	2		
10	64QAM	25	0	19.42	19.37	19.37				
10	64QAM	25	12	19.37	19.33	19.27				
10	64QAM	25	26	19.30	19.32	19.26				
10	64QAM	50	0	19.37	19.33	19.37	21	3		
10	256QAM	1	0	17.65	17.66	17.60				
10	256QAM	1	26	17.56	17.52	17.59				
10	256QAM	1	49	17.58	17.59	17.64				
10	256QAM	25	0	17.45	17.38	17.35	19	5		
10	256QAM	25	12	17.34	17.34	17.35				
10	256QAM	25	26	17.40	17.35	17.34				
10	256QAM	50	0	17.38	17.38	17.37				
Channel				22.75	22.69	22.75	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				22.76	22.68	22.76				
5	QPSK	1	0	22.52	22.48	22.45	24	0		
5	QPSK	1	12	22.35	22.44	22.33				
5	QPSK	1	24	22.37	22.23	22.33				
5	QPSK	12	0	21.70	21.54	21.54				
5	QPSK	12	7	21.41	21.31	21.35	23	1		
5	QPSK	12	13	21.38	21.37	21.36				
5	QPSK	25	0	21.64	21.43	21.45				
5	16QAM	1	0	21.84	21.78	21.79				
5	16QAM	1	12	21.87	21.72	21.68	23	1		
5	16QAM	8	0	20.58	20.58	20.58				
5	16QAM	12	0	20.51	20.40	20.42				
5	16QAM	12	7	20.40	20.35	20.32				
5	16QAM	12	13	20.38	20.38	20.31	22	2		
5	16QAM	25	0	20.38	20.45	20.30				
5	64QAM	1	0	20.78	20.64	20.78				
5	64QAM	1	26	20.73	20.57	20.68				
5	64QAM	1	24	20.58	20.53	20.62	21	3		
5	64QAM	12	0	19.48	19.40	19.30				
5	64QAM	12	7	19.47	19.35	19.35				
5	64QAM	12	13	19.30	19.36	19.24				
5	64QAM	25	0	19.37	19.29	19.31	19	5		
5	256QAM	1	0	17.61	17.61	17.62				
5	256QAM	1	12	17.62	17.57	17.68				
5	256QAM	1	24	17.62	17.58	17.61				
5	256QAM	12	0	17.41	17.35	17.35	19	5		
5	256QAM	12	7	17.38	17.26	17.28				
5	256QAM	12	13	17.46	17.31	17.23				
5	256QAM	25	0	17.38	17.35	17.35				
Channel				22.75	22.69	22.75	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				22.76	22.68	22.76				
3	QPSK	1	0	22.59	22.55	22.43	24	0		
3	QPSK	1	8	22.35	22.43	22.37				
3	QPSK	1	14	22.42	22.29	22.37				
3	QPSK	8	0	21.61	21.52	21.56				
3	QPSK	8	4	21.43	21.34	21.39	23	1		
3	QPSK	8	7	21.45	21.27	21.31				
3	QPSK	15	0	21.53	21.39	21.50				
3	16QAM	1	0	21.93	21.84	21.86				
3	16QAM	1	8	21.86	21.69	21.61	23	1		
3	16QAM	8	0	21.88	21.58	21.67				
3	16QAM	8	0	20.47	20.48	20.37				
3	16QAM	8	4	20.43	20.43	20.32				
3	16QAM	8	7	20.38	20.37	20.30	22	2		
3	64QAM	1	0	20.39	20.40	20.32				
3	64QAM	1	0	20.74	20.63	20.78				
3	64QAM	1	8	20.74	20.50	20.73				
3	64QAM	1	14	20.56	20.57	20.89	21	3		
3	64QAM	8	0	19.43	19.36	19.31				
3	64QAM	8	4	19.47	19.29	19.29				
3	64QAM	8	7	19.31	19.32	19.31				
3	64QAM	15	0	19.44	19.33	19.34	19	5		
3	256QAM	1	0	17.71	17.68	17.68				
3	256QAM	1	8	17.60	17.55	17.64				
3	256QAM	1	14	17.61	17.57	17.68				
3	256QAM	8	0	17.42	17.35	17.38	19	5		
3	256QAM	8	0	17.39	17.32	17.30				
3	256QAM	8	7	17.43	17.29	17.35				
3	256QAM	15	0	17.43	17.43	17.31				
Channel				22.67	22.66	22.66	Turn-up time (sec)	MPE (dB)		
Frequency (MHz)				22.69	22.65	22.65				
1.4	QPSK	1	0	22.59	22.55	22.49				
1.4	QPSK	1	3	22.35	22.43	22.41	24	0		
1.4	QPSK	1	5	22.34	22.28	22.31				
1.4	QPSK	1	9	22.37	22.23	22.31				
1.4	QPSK	3	0	22.34	22.43	22.28				
1.4	QPSK	3	3	22.34	22.34	22.25	23	1		
1.4	QPSK	3	6	22.41	22.43	22.31				
1.4	16QAM	1	0	21.84	21.79	21.77				
1.4	16QAM	1	3	21.78	21.67	21.68				
1.4	16QAM	1	6	21.82	21.66	21.67	23	1		
1.4	16QAM	3	0	21.87	21.73	21.77				
1.4	16QAM	3	1	21.70	21.57	21.65				
1.4	16QAM	3	3	21.77	21.67	21.67				
1.4	64QAM	6	0	20.39	20.41	20.32	22	2		
1.4	64QAM	6	0	20.80	20.72	20.71				
1.4	64QAM	6	3	20.59	20.52	20.52				
1.4	64QAM	6	6	20.57	20.56	20.66				
1.4	64QAM	3	0	20.74	20.49	20.68	22	2		
1.4	64QAM	3	3	20.49	20.48	20.68				
1.4	64QAM	3	6	20.50	20.47	20.56				
1.4	64QAM	6	0	19.44	19.37	19.32				
1.4	256QAM	1	0	17.44	17.44	17.44	21	3		
1.4	256QAM	1	3	17.51	17.50	17.47				
1.4	256QAM	1	6	17.56	17.50	17.48				
1.4	256QAM	1	9	17.52	17.52	17.52				
1.4	256QAM	3	0	17.34	17.34	17.23	19	5		
1.4	256QAM	3	3	17.45	17.28	17.25				
1.4	256QAM	3	6	17.32	17.27	17.27				
1.4	256QAM	6	0	17.45	17.28	17.25				

Band 71 Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.49	22.61	22.47	24	0				
20	QPSK	1	48	22.44	22.45	22.36						
20	QPSK	1	96	22.32	22.45	20.34						
20	QPSK	50	0	21.51	21.65	21.57						
20	QPSK	50	24	21.41	21.46	21.38	23	1				
20	QPSK	50	50	21.30	21.41	21.33						
20	QPSK	100	0	21.45	21.63	21.48						
20	16QAM	1	0	21.74	21.92	21.63						
20	16QAM	1	48	21.75	21.88	21.75	23	1				
20	16QAM	1	96	21.70	21.82	21.73						
20	16QAM	50	0	20.42	20.50	20.35						
20	16QAM	50	24	20.34	20.49	20.34						
20	16QAM	50	50	20.30	20.41	20.31	22	2				
20	16QAM	100	0	20.37	20.39	20.32						
20	64QAM	1	0	20.61	20.71	20.72						
20	64QAM	1	48	20.59	20.76	20.72						
20	64QAM	1	96	20.49	20.64	20.56	21	3				
20	64QAM	50	0	19.36	19.44	19.37						
20	64QAM	50	24	19.31	19.34	19.24						
20	64QAM	50	50	19.40	19.27	19.24						
20	64QAM	100	0	19.36	19.39	19.25	19	5				
20	256QAM	1	0	17.56	17.68	17.68						
20	256QAM	1	48	17.61	17.59	17.44						
20	256QAM	1	96	17.55	17.57	17.61						
20	256QAM	50	0	17.28	17.42	17.38						
20	256QAM	50	24	17.24	17.38	17.21						
20	256QAM	50	50	17.35	17.33	17.22						
20	256QAM	100	0	17.26	17.40	17.24						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.45	22.59	22.36	24	0				
15	QPSK	1	37	22.33	22.45	22.28						
15	QPSK	1	74	22.24	22.39	22.28						
15	QPSK	36	0	21.47	21.54	21.55						
15	QPSK	36	20	21.38	21.45	21.29	23	1				
15	QPSK	36	39	21.24	21.40	21.32						
15	QPSK	75	0	21.42	21.58	21.48						
15	16QAM	1	0	21.67	21.80	21.73						
15	16QAM	1	37	21.68	21.80	21.71	23	1				
15	16QAM	1	74	21.60	21.74	21.70						
15	16QAM	36	0	20.32	20.38	20.32						
15	16QAM	36	20	20.31	20.45	20.28						
15	16QAM	36	39	20.25	20.37	20.23	22	2				
15	16QAM	75	0	20.34	20.37	20.24						
15	64QAM	1	0	20.60	20.59	20.62						
15	64QAM	1	37	20.54	20.65	20.65						
15	64QAM	1	74	20.47	20.55	20.55	21	3				
15	64QAM	36	0	19.31	19.38	19.33						
15	64QAM	36	20	19.28	19.28	19.28						
15	64QAM	36	39	19.35	19.19	19.16						
15	64QAM	75	0	19.35	19.35	19.17	19	5				
15	256QAM	1	0	17.54	17.50	17.40						
15	256QAM	1	37	17.58	17.55	17.39						
15	256QAM	1	74	17.48	17.48	17.57						
15	256QAM	36	0	17.20	17.22	17.36	19	5				
15	256QAM	36	20	17.23	17.31	17.13						
15	256QAM	36	39	17.31	17.29	17.18						
15	256QAM	75	0	17.34	17.30	17.29						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.43	22.57	22.43	24	0				
10	QPSK	1	25	22.38	22.38	22.31						
10	QPSK	1	48	22.28	22.44	22.30						
10	QPSK	25	0	21.48	21.61	21.47						
10	QPSK	25	12	21.30	21.38	21.26	23	1				
10	QPSK	25	25	21.26	21.37	21.27						
10	QPSK	50	0	21.43	21.58	21.38						
10	16QAM	1	0	21.64	21.82	21.83						
10	16QAM	1	25	21.64	21.83	21.85	23	1				
10	16QAM	1	48	21.65	21.76	21.72						
10	16QAM	25	0	20.41	20.35	20.33						
10	16QAM	25	12	20.24	20.37	20.22						
10	16QAM	25	25	20.30	20.38	20.33	22	2				
10	16QAM	50	0	20.32	20.38	20.30						
10	64QAM	1	0	20.59	20.63	20.61						
10	64QAM	1	25	20.57	20.66	20.70						
10	64QAM	1	48	20.40	20.64	20.65	21	3				
10	64QAM	25	0	19.35	19.36	19.32						
10	64QAM	25	12	19.29	19.28	19.22						
10	64QAM	25	25	19.39	19.17	19.12						
10	64QAM	50	0	19.31	19.29	19.16	19	5				
10	256QAM	1	0	17.44	17.52	17.55						
10	256QAM	1	25	17.58	17.52	17.34						
10	256QAM	1	48	17.50	17.52	17.58						
10	256QAM	25	0	17.22	17.24	17.28	19	5				
10	256QAM	25	12	17.17	17.27	17.18						
10	256QAM	25	25	17.28	17.21	17.16						
10	256QAM	50	0	17.25	17.42	17.25						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.37	22.50	22.35	24	0				
5	QPSK	1	12	22.35	22.44	22.29						
5	QPSK	1	24	22.28	22.42	22.25						
5	QPSK	12	0	21.60	21.67	21.53						
5	QPSK	12	7	21.39	21.37	21.33	23	1				
5	QPSK	12	13	21.26	21.37	21.24						
5	QPSK	25	0	21.43	21.53	21.43						
5	16QAM	1	0	21.73	21.92	21.73						
5	16QAM	1	12	21.66	21.75	21.64	23	1				
5	16QAM	1	24	21.69	21.80	21.67						
5	16QAM	12	0	20.38	20.44	20.28						
5	16QAM	12	7	20.23	20.45	20.29						
5	16QAM	12	13	20.26	20.34	20.22	22	2				
5	16QAM	25	0	20.28	20.30	20.25						
5	64QAM	1	0	20.51	20.66	20.64						
5	64QAM	1	12	20.52	20.71	20.60						
5	64QAM	1	24	20.42	20.55	20.58	21	3				
5	64QAM	12	0	19.31	19.38	19.36						
5	64QAM	12	7	19.20	19.27	19.16						
5	64QAM	12	13	19.33	19.17	19.17						
5	64QAM	25	0	19.29	19.29	19.22	19	5				
5	256QAM	1	0	17.53	17.67	17.63						
5	256QAM	1	12	17.54	17.49	17.36						
5	256QAM	1	24	17.47	17.47	17.52						
5	256QAM	12	0	17.21	17.20	17.32	19	5				
5	256QAM	12	7	17.21	17.28	17.09						
5	256QAM	12	13	17.29	17.26	17.21						
5	256QAM	25	0	17.31	17.36	17.33						

Band 7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.03	23.08	22.96	24	0	
20	QPSK	1	49	22.91	22.89	22.79			
20	QPSK	1	99	22.75	22.92	22.81			
20	QPSK	50	0	21.94	22.11	22.08			
20	QPSK	50	24	21.85	21.93	21.84	23	1	
20	QPSK	50	50	21.88	21.92	21.81			
20	QPSK	100	0	21.95	22.09	22.02			
20	16QAM	1	0	22.20	22.40	22.24			
20	16QAM	1	49	22.21	22.31	22.17	23	1	
20	16QAM	1	99	22.23	22.29	22.20			
20	16QAM	50	0	20.91	20.95	20.88			
20	16QAM	50	24	20.89	21.03	20.80			
20	16QAM	50	50	20.75	20.91	20.89	22	2	
20	16QAM	100	0	20.90	20.93	20.88			
20	64QAM	1	0	21.12	21.26	21.27			
20	64QAM	1	49	21.06	21.15	21.15			
20	64QAM	1	99	21.08	21.18	21.16	21	3	
20	64QAM	50	0	19.86	19.91	19.87			
20	64QAM	50	24	19.87	19.84	19.71			
20	64QAM	50	50	19.83	19.87	19.74			
20	64QAM	100	0	19.83	19.91	19.75	19	5	
20	256QAM	1	0	18.15	18.19	18.07			
20	256QAM	1	49	18.04	18.08	18.00			
20	256QAM	1	99	18.07	18.00	18.12			
20	256QAM	50	0	17.82	17.93	17.88	19	5	
20	256QAM	50	24	17.74	17.83	17.66			
20	256QAM	50	50	17.78	17.84	17.82			
20	256QAM	100	0	17.93	17.92	17.81			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.99	23.06	22.85	24	0	
15	QPSK	1	37	22.90	22.89	22.77			
15	QPSK	1	74	22.67	22.85	22.70			
15	QPSK	36	0	21.90	22.07	21.99			
15	QPSK	36	20	21.74	21.92	21.83	23	1	
15	QPSK	36	39	21.76	21.83	21.73			
15	QPSK	75	0	21.88	22.00	22.00			
15	16QAM	1	0	22.09	22.38	22.20			
15	16QAM	1	37	22.16	22.22	22.10	23	1	
15	16QAM	1	74	22.15	22.18	22.09			
15	16QAM	36	0	20.91	20.89	20.88			
15	16QAM	36	20	20.82	20.95	20.78			
15	16QAM	36	39	20.68	20.85	20.86	22	2	
15	16QAM	75	0	20.85	20.87	20.84			
15	64QAM	1	0	21.03	21.23	21.17			
15	64QAM	1	37	21.04	21.15	21.12			
15	64QAM	1	74	21.06	21.08	21.12	22	2	
15	64QAM	36	0	19.81	19.90	19.80			
15	64QAM	36	20	19.85	19.75	19.71			
15	64QAM	36	39	19.77	19.86	19.63			
15	64QAM	75	0	19.78	19.87	19.72	21	3	
15	256QAM	1	0	18.15	18.18	17.97			
15	256QAM	1	37	17.99	17.97	17.90			
15	256QAM	1	74	17.98	17.92	18.05			
15	256QAM	36	0	17.77	17.92	17.82	19	5	
15	256QAM	36	20	17.70	17.78	17.61			
15	256QAM	36	39	17.74	17.83	17.74			
15	256QAM	75	0	17.88	17.92	17.73			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.93	22.99	22.90	24	0	
10	QPSK	1	25	22.87	22.78	22.74			
10	QPSK	1	49	22.69	22.82	22.71			
10	QPSK	25	0	21.86	22.07	22.00			
10	QPSK	25	12	21.84	21.85	21.78	23	1	
10	QPSK	25	25	21.87	21.89	21.74			
10	QPSK	50	0	21.86	22.04	21.96			
10	16QAM	1	0	22.17	22.37	22.20			
10	16QAM	1	25	22.16	22.31	22.10	23	1	
10	16QAM	1	49	22.14	22.24	22.16			
10	16QAM	25	0	20.90	20.84	20.80			
10	16QAM	25	12	20.81	20.98	20.72			
10	16QAM	25	25	20.71	20.81	20.84	22	2	
10	16QAM	50	0	20.78	20.82	20.81			
10	64QAM	1	0	21.03	21.16	21.23			
10	64QAM	1	25	21.04	21.09	21.07			
10	64QAM	1	49	21.05	21.07	21.06	22	2	
10	64QAM	25	0	19.77	19.84	19.82			
10	64QAM	25	12	19.81	19.73	19.63			
10	64QAM	25	25	19.77	19.78	19.67			
10	64QAM	50	0	19.82	19.88	19.65	21	3	
10	256QAM	1	0	18.14	18.09	18.01			
10	256QAM	1	25	17.97	18.04	17.90			
10	256QAM	1	49	18.06	17.99	18.09			
10	256QAM	25	0	17.76	17.85	17.82	19	5	
10	256QAM	25	12	17.67	17.78	17.66			
10	256QAM	25	25	17.70	17.83	17.81			
10	256QAM	50	0	17.86	17.84	17.74			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.94	23.01	22.84	24	0	
5	QPSK	1	12	22.84	22.85	22.78			
5	QPSK	1	24	22.67	22.85	22.77			
5	QPSK	12	0	21.87	22.08	22.07			
5	QPSK	12	7	21.75	21.87	21.81	23	1	
5	QPSK	12	13	21.84	21.91	21.71			
5	QPSK	25	0	21.86	22.02	21.90			
5	16QAM	1	0	22.16	22.40	22.15			
5	16QAM	1	12	22.16	22.22	22.07	23	1	
5	16QAM	1	24	22.20	22.27	22.09			
5	16QAM	12	0	20.88	20.83	20.85			
5	16QAM	12	7	20.82	20.99	20.69			
5	16QAM	12	13	20.72	20.83	20.85	22	2	
5	16QAM	25	0	20.83	20.83	20.88			
5	64QAM	1	0	21.04	21.26	21.27			
5	64QAM	1	12	21.04	21.10	21.11			
5	64QAM	1	24	20.97	21.15	21.10	22	2	
5	64QAM	12	0	19.84	19.84	19.82			
5	64QAM	12	7	19.80	19.73	19.65			
5	64QAM	12	13	19.71	19.83	19.67			
5	64QAM	25	0	19.81	19.83	19.66	21	3	
5	256QAM	1	0	18.05	18.15	18.05			
5	256QAM	1	12	17.95	18.04	17.91			
5	256QAM	1	24	18.01	17.92	18.09			
5	256QAM	12	0	17.82	17.83	17.79	19	5	
5	256QAM	12	7	17.69	17.75	17.64			
5	256QAM	12	13	17.75	17.82	17.77			
5	256QAM	25	0	17.84	17.82	17.81			

Band 30 Ant 2									
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				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		23.09		24	0	
10	QPSK	1	25		22.89				
10	QPSK	1	49		22.91				
10	QPSK	25	0		22.09		23	1	
10	QPSK	25	12		21.92				
10	QPSK	25	25		21.84				
10	QPSK	50	0		22.04		23	1	
10	16QAM	1	0		22.36				
10	16QAM	1	25		22.36				
10	16QAM	1	49		22.33		22	2	
10	16QAM	25	0		20.97				
10	16QAM	25	12		20.91				
10	16QAM	25	25		20.89		21	2	
10	16QAM	50	0		20.93				
10	64QAM	1	0		21.28				
10	64QAM	1	25		21.23		22	2	
10	64QAM	1	49		21.09				
10	64QAM	25	0		19.92				
10	64QAM	25	12		19.85		21	3	
10	64QAM	25	25		19.83				
10	64QAM	50	0		19.88				
10	256QAM	1	0		18.10		19	5	
10	256QAM	1	25		18.14				
10	256QAM	1	49		18.07				
10	256QAM	25	0		17.92		19	5	
10	256QAM	25	12		17.80				
10	256QAM	25	25		17.91				
10	256QAM	50	0		17.84				
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.04	23.04	23.03	24	0	
5	QPSK	1	12	22.81	22.88	22.78			
5	QPSK	1	24	22.86	22.81	22.88			
5	QPSK	12	0	22.07	21.99	22.05	23	1	
5	QPSK	12	7	21.85	21.80	21.92			
5	QPSK	12	13	21.73	21.79	21.75			
5	QPSK	25	0	22.00	22.01	21.96	23	1	
5	16QAM	1	0	22.33	22.33	22.35			
5	16QAM	1	12	22.25	22.25	22.33			
5	16QAM	1	24	22.23	22.29	22.22	22	2	
5	16QAM	12	0	20.91	20.96	20.92			
5	16QAM	12	7	20.88	20.90	20.82			
5	16QAM	12	13	20.86	20.84	20.78	22	2	
5	16QAM	25	0	20.89	20.86	20.83			
5	64QAM	1	0	21.22	21.24	21.22			
5	64QAM	1	12	21.22	21.17	21.21	22	2	
5	64QAM	1	24	20.99	21.01	21.00			
5	64QAM	12	0	19.84	19.80	19.91			
5	64QAM	12	7	19.74	19.83	19.74	21	3	
5	64QAM	12	13	19.76	19.80	19.71			
5	64QAM	25	0	19.83	19.79	19.85			
5	256QAM	1	0	18.04	18.04	18.05	19	5	
5	256QAM	1	12	18.14	18.10	18.09			
5	256QAM	1	24	17.98	18.03	18.03			
5	256QAM	12	0	17.91	17.91	17.85	19	5	
5	256QAM	12	7	17.71	17.79	17.79			
5	256QAM	12	13	17.85	17.81	17.85			
5	256QAM	25	0	17.72	17.80	17.72			



Band 42 FCC Part27Q Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Main Ch / Freq.	Power High Ch / Freq.	Tx-to-ant (dBm)	MPR (dB)	
Channel				42190	42590	42990			
Frequency (MHz)				42190	42590	42990			
20	QPSK	1	0	23.13	23.15	23.50	24	0	
20	QPSK	1	49	23.01	23.02	22.91			
20	QPSK	1	99	23.01	22.96	22.86			
20	QPSK	50	0	23.16	23.19	23.11	23	1	
20	QPSK	50	24	22.01	22.04	21.90			
20	QPSK	50	49	21.99	21.98	21.82			
20	QPSK	100	0	23.16	23.18	21.99	23	1	
20	16QAM	1	0	22.46	22.41	22.34			
20	16QAM	1	49	22.43	22.35	22.28			
20	16QAM	1	99	22.37	22.43	22.26	23	1	
20	16QAM	50	0	21.03	21.04	20.85			
20	16QAM	50	24	21.01	21.07	20.85			
20	16QAM	50	50	20.92	20.90	20.94	22	2	
20	16QAM	100	0	20.88	20.96	20.85			
20	64QAM	1	0	21.07	21.07	21.24			
20	64QAM	1	49	21.27	21.27	21.15	22	2	
20	64QAM	1	99	21.17	21.15	21.26			
20	64QAM	50	0	20.01	19.97	19.98			
20	64QAM	50	24	19.98	19.86	19.93	21	3	
20	64QAM	50	50	19.87	19.83	19.86			
20	64QAM	100	0	19.96	19.95	19.94			
20	256QAM	1	0	18.24	18.17	18.14	19	5	
20	256QAM	1	49	18.20	18.16	18.07			
20	256QAM	1	99	18.08	18.14	18.12			
20	256QAM	50	0	17.88	17.97	17.90	19	5	
20	256QAM	50	24	17.86	17.89	17.75			
20	256QAM	50	50	17.02	17.90	17.80			
20	256QAM	100	0	17.86	18.01	17.88			
Channel				42195	42595	43015	Tx-to-ant (dBm)	MPR (dB)	
Frequency (MHz)				42195	42595	43015			
15	QPSK	1	0	23.08	23.10	22.87	24	0	
15	QPSK	1	37	22.94	22.94	22.80			
15	QPSK	1	74	22.92	22.92	22.70			
15	QPSK	36	0	22.03	22.13	22.06	23	1	
15	QPSK	36	20	21.90	21.99	21.85			
15	QPSK	36	36	21.91	21.98	21.88			
15	QPSK	75	0	22.06	21.88	21.92	23	1	
15	16QAM	1	0	22.36	22.33	22.27			
15	16QAM	1	37	22.38	22.27	22.22			
15	16QAM	1	74	22.35	22.31	22.20	23	1	
15	16QAM	36	0	21.00	20.91	20.77			
15	16QAM	36	20	20.98	20.94	20.82			
15	16QAM	36	36	20.80	20.87	20.80	22	2	
15	16QAM	75	0	20.91	20.92	20.76			
15	64QAM	1	0	21.25	21.13	21.31			
15	64QAM	1	37	21.15	21.19	21.09	22	2	
15	64QAM	1	74	21.19	21.07	21.16			
15	64QAM	36	0	19.93	19.92	19.83			
15	64QAM	36	20	19.91	19.83	19.72	21	3	
15	64QAM	36	36	19.83	19.73	19.75			
15	64QAM	75	0	19.89	19.92	19.81			
15	256QAM	1	0	18.16	18.10	18.04	19	5	
15	256QAM	1	37	18.10	18.05	18.02			
15	256QAM	1	74	18.00	18.12	18.02			
15	256QAM	36	0	17.84	17.91	17.87	19	5	
15	256QAM	36	20	17.73	17.82	17.72			
15	256QAM	36	36	17.85	17.77	17.76			
15	256QAM	75	0	17.87	17.93	17.75			
Channel				42140	42590	42640	Tx-to-ant (dBm)	MPR (dB)	
Frequency (MHz)				42140	42590	42640			
10	QPSK	1	0	23.04	23.10	22.94	24	0	
10	QPSK	1	25	22.90	22.94	22.78			
10	QPSK	1	49	22.96	22.94	22.71			
10	QPSK	25	0	22.06	22.06	22.08	23	1	
10	QPSK	25	12	21.99	21.94	21.82			
10	QPSK	25	25	21.92	21.95	21.81			
10	QPSK	50	0	22.02	22.06	21.95	23	1	
10	16QAM	1	0	22.37	22.27	22.20			
10	16QAM	1	25	22.41	22.27	22.22			
10	16QAM	1	49	22.26	22.35	22.21	23	1	
10	16QAM	25	0	20.93	20.95	20.80			
10	16QAM	25	12	20.87	21.03	20.72			
10	16QAM	25	25	20.89	20.94	20.86	22	2	
10	16QAM	50	0	20.89	20.85	20.75			
10	64QAM	1	0	21.14	21.22	21.22			
10	64QAM	1	25	21.24	21.22	21.13	22	2	
10	64QAM	1	49	21.10	21.09	21.19			
10	64QAM	25	0	19.97	19.85	19.91	21	3	
10	64QAM	25	12	19.90	19.75	19.75			
10	64QAM	25	25	19.74	19.71	19.69			
10	64QAM	50	0	19.90	19.83	19.81	19	5	
10	256QAM	1	0	18.10	18.06	18.11			
10	256QAM	1	25	18.09	18.08	17.93			
10	256QAM	1	49	18.02	18.01	18.00	19	5	
10	256QAM	25	0	17.96	17.93	17.78			
10	256QAM	25	12	17.80	17.80	17.68			
10	256QAM	25	25	17.85	17.78	17.75	19	5	
10	256QAM	50	0	17.86	17.95	17.74			
Channel				42115	42595	43005	Tx-to-ant (dBm)	MPR (dB)	
Frequency (MHz)				42115	42595	43005			
5	QPSK	1	0	23.08	23.02	22.88	24	0	
5	QPSK	1	12	22.97	22.91	22.83			
5	QPSK	1	24	22.92	22.92	22.69			
5	QPSK	10	0	22.03	22.15	21.98	23	1	
5	QPSK	12	7	21.95	22.01	21.83			
5	QPSK	12	13	21.85	21.85	21.76			
5	QPSK	20	0	22.03	22.06	21.92	23	1	
5	16QAM	1	0	22.30	22.31	22.22			
5	16QAM	1	12	22.36	22.25	22.13			
5	16QAM	1	24	22.34	22.36	22.22	23	1	
5	16QAM	12	0	20.88	21.02	20.77			
5	16QAM	12	7	20.88	20.96	20.72			
5	16QAM	12	13	20.84	20.84	20.80	22	2	
5	16QAM	20	0	20.89	20.93	20.85			
5	64QAM	1	0	21.22	21.19	21.28	22	2	
5	64QAM	1	12	21.16	21.15	21.08			
5	64QAM	1	24	21.08	21.11	21.18			
5	64QAM	12	0	19.87	19.94	19.92	21	3	
5	64QAM	12	7	19.81	19.80	19.79			
5	64QAM	12	13	19.73	19.72	19.71			
5	64QAM	20	0	19.85	19.92	19.71	19	5	
5	256QAM	1	0	18.17	18.07	18.01			
5	256QAM	1	12	18.12	18.07	17.99			
5	256QAM	1	24	17.99	18.02	17.99	19	5	
5	256QAM	12	0	17.86	17.85	17.83			
5	256QAM	12	7	17.84	17.81	17.68			
5	256QAM	12	13	17.90	17.81	17.73	19	5	
5	256QAM	20	0	17.84	17.89	17.84			



Band 48_FCC Ant 2												
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	Tune-up limit (dBm)	MPR (dB)			
Channel				56340	56800	56160	56640					
Frequency (MHz)				30.71	30.71	30.71	30.71					
20	QPSK	1	0	23.54	23.77	23.66	23.58	24	0			
20	QPSK	1	48	23.67	23.63	23.49	23.53					
20	QPSK	1	96	23.60	23.55	23.39	23.45					
20	QPSK	50	0	22.88	22.75	22.60	22.69					
20	QPSK	50	24	22.70	22.60	22.50	22.46	23	1			
20	QPSK	50	50	22.68	22.59	22.49	22.48					
20	QPSK	100	0	22.76	22.71	22.56	22.59					
20	HQAM	1	0	22.80	22.69	22.54	22.61					
20	HQAM	1	48	22.75	22.57	22.52	22.55	23	1			
20	HQAM	1	96	22.82	22.75	22.51	22.58					
20	HQAM	50	24	21.65	21.58	21.63	21.53					
20	HQAM	50	50	21.65	21.59	21.38	21.46					
20	HQAM	100	0	21.53	21.57	21.53	21.52	22	2			
20	HQAM	1	0	21.96	21.95	21.75	21.91					
20	HQAM	1	48	21.91	21.52	21.72	21.93					
20	HQAM	1	96	21.88	21.94	21.69	21.77					
20	HQAM	50	0	20.64	20.60	20.60	20.53	21	3			
20	HQAM	50	24	20.65	20.53	20.46	20.43					
20	HQAM	50	50	20.54	20.52	20.53	20.45					
20	HQAM	100	0	20.57	20.53	20.43	20.36					
20	25GQAM	1	0	18.89	18.84	18.66	18.77	19	5			
20	25GQAM	1	48	18.67	18.71	18.70	18.59					
20	25GQAM	1	96	18.61	18.62	18.76	18.73					
20	25GQAM	50	0	18.73	18.53	18.46	18.50					
20	25GQAM	50	24	18.67	18.47	18.42	18.30	19			5	
20	25GQAM	50	50	18.65	18.62	18.44	18.41					
20	25GQAM	100	0	18.65	18.58	18.58	18.51					
Channel				56315	56805	56160	56665					
Frequency (MHz)				30.675	30.675	30.675	30.675					
15	QPSK	1	0	23.71	23.76	23.93	23.51	24	0			
15	QPSK	1	97	23.61	23.52	23.36	23.51					
15	QPSK	1	74	23.68	23.52	23.36	23.34					
15	QPSK	36	0	22.78	22.68	22.57	22.64					
15	QPSK	36	20	22.65	22.52	22.48	22.42	23	1			
15	QPSK	36	36	22.54	22.45	22.37	22.45					
15	QPSK	75	0	22.85	22.67	22.43	22.52					
15	HQAM	1	0	22.71	22.60	22.49	22.51					
15	HQAM	1	37	22.71	22.51	22.38	22.47	23	1			
15	HQAM	1	74	22.73	22.71	22.42	22.52					
15	HQAM	36	0	21.64	21.56	21.36	21.49					
15	HQAM	36	20	21.62	21.47	21.50	21.38					
15	HQAM	36	36	21.51	21.49	21.40	21.38	22	2			
15	HQAM	75	0	21.59	21.46	21.40	21.48					
15	HQAM	1	0	21.91	21.88	21.71	21.89					
15	HQAM	1	37	21.84	21.81	21.60	21.72					
15	HQAM	1	74	21.82	21.81	21.69	21.66	22	2			
15	HQAM	36	0	20.54	20.45	20.35	20.51					
15	HQAM	36	20	20.46	20.42	20.32	20.39					
15	HQAM	36	36	20.50	20.39	20.47	20.42					
15	HQAM	75	0	20.51	20.45	20.35	20.23	21	3			
15	25GQAM	1	0	18.77	18.73	18.60	18.65					
15	25GQAM	1	37	18.80	18.64	18.57	18.46					
15	25GQAM	1	74	18.78	18.70	18.73	18.59					
15	25GQAM	36	0	18.85	18.42	18.43	18.47	19	5			
15	25GQAM	36	20	18.44	18.34	18.37	18.30					
15	25GQAM	36	36	18.57	18.47	18.42	18.38					
15	25GQAM	75	0	18.58	18.49	18.65	18.48					
Channel				56305	56815	56160	56655					
Frequency (MHz)				30.655	30.675	30.642	30.655					
10	QPSK	1	0	23.80	23.67	23.55	23.56	24	0			
10	QPSK	1	26	23.64	23.50	23.39	23.40					
10	QPSK	1	49	23.55	23.47	23.33	23.40					
10	QPSK	25	0	22.84	22.62	22.54	22.61					
10	QPSK	25	12	22.60	22.56	22.37	22.43	23	1			
10	QPSK	25	25	22.60	22.57	22.40	22.37					
10	QPSK	50	0	22.66	22.61	22.45	22.55					
10	HQAM	1	0	22.67	22.59	22.46	22.53					
10	HQAM	1	26	22.71	22.49	22.38	22.47	23	1			
10	HQAM	1	48	22.60	22.66	22.40	22.48					
10	HQAM	25	0	21.61	21.52	21.47	21.49					
10	HQAM	25	12	21.67	21.47	21.50	21.38					
10	HQAM	25	25	21.57	21.51	21.26	21.28	22	2			
10	HQAM	50	0	21.57	21.45	21.49	21.48					
10	HQAM	1	0	21.93	21.83	21.69	21.87					
10	HQAM	1	26	21.82	21.85	21.67	21.78					
10	HQAM	1	49	21.77	21.91	21.61	21.74	21	3			
10	HQAM	25	0	20.55	20.58	20.53	20.44					
10	HQAM	25	12	20.42	20.40	20.36	20.30					
10	HQAM	25	25	20.40	20.39	20.48	20.35					
10	HQAM	50	0	20.50	20.41	20.36	20.25	19	5			
10	25GQAM	1	0	18.76	18.60	18.62	18.68					
10	25GQAM	1	26	18.75	18.61	18.59	18.53					
10	25GQAM	1	49	18.72	18.70	18.63	18.67					
10	25GQAM	25	0	18.70	18.36	18.44	18.40	19			5	
10	25GQAM	25	12	18.45	18.38	18.20	18.22					
10	25GQAM	25	25	18.54	18.42	18.30	18.27					
10	25GQAM	50	0	18.51	18.44	18.52	18.38					
Channel				56255	56815	56160	56615					
Frequency (MHz)				30.625	30.677	30.643	30.615					
5	QPSK	1	0	23.78	23.71	23.53	23.49	24	0			
5	QPSK	1	12	23.51	23.49	23.44	23.39					
5	QPSK	1	24	23.51	23.42	23.28	23.38					
5	QPSK	12	0	22.74	22.67	22.51	22.65					
5	QPSK	12	7	22.61	22.57	22.38	22.39	23	1			
5	QPSK	12	13	22.61	22.41	22.44	22.38					
5	QPSK	25	0	22.70	22.68	22.46	22.56					
5	HQAM	1	0	22.73	22.55	22.43	22.49					
5	HQAM	1	12	22.63	22.49	22.48	22.44	23	1			
5	HQAM	1	24	22.76	22.62	22.42	22.44					
5	HQAM	12	0	21.61	21.55	21.40	21.40					
5	HQAM	12	7	21.52	21.50	21.39	21.36					
5	HQAM	12	13	21.53	21.58	21.32	21.32	22	2			
5	HQAM	25	0	21.60	21.48	21.42	21.44					
5	HQAM	1	0	21.91	21.89	21.68	21.84					
5	HQAM	1	19	21.83	21.80	21.54	21.80					
5	HQAM	1	24	21.85	21.88	21.59	21.65	21	3			
5	HQAM	12	0	20.61	20.46	20.52	20.44					
5	HQAM	12	7	20.42	20.41	20.39	20.36					
5	HQAM	12	13	20.41	20.43	20.45	20.35					
5	HQAM	25	0	20.53	20.44	20.44	20.29	19	5			
5	25GQAM	1	0	18.74	18.60	18.63	18.73					
5	25GQAM	1	12	18.76	18.64	18.65	18.50					
5	25GQAM	1	24	18.73	18.77	18.71	18.62					
5	25GQAM	12	0	18.63	18.43	18.43	18.37	19	5			
5	25GQAM	12	7	18.63	18.35	18.35	18.23					
5	25GQAM	12	13	18.65	18.47	18.51	18.44					

Band 42 FCC Part27Q Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3450	3500	3550		
20	QPSK	1	0		22.99	23.04	22.89	24	0
20	QPSK	1	49		22.78	22.79	22.81		
20	QPSK	1	99		22.85	22.85	22.75		
20	QPSK	50	0		22.02	22.07	21.97		
20	QPSK	50	24		21.81	21.85	21.76	23	1
20	QPSK	50	50		21.78	21.84	21.70		
20	QPSK	100	0		21.99	22.04	21.84		
20	16QAM	1	0		22.29	22.31	22.19		
20	16QAM	1	49		22.19	22.25	22.09	23	1
20	16QAM	1	99		22.23	22.31	22.11		
20	16QAM	50	0		20.89	20.95	20.84		
20	16QAM	50	24		20.85	20.85	20.74		
20	16QAM	50	50		20.80	20.77	20.73	22	2
20	16QAM	100	0		20.78	20.77	20.77		
20	64QAM	1	0		21.18	21.19	21.12		
20	64QAM	1	49		21.13	21.07	21.14		
20	64QAM	1	99		21.04	21.07	21.13	21	3
20	64QAM	50	0		19.81	19.90	19.77		
20	64QAM	50	24		19.83	19.78	19.67		
20	64QAM	50	50		19.67	19.76	19.73		
20	64QAM	100	0		19.80	19.79	19.74	19	5
20	256QAM	1	0		18.00	18.08	18.10		
20	256QAM	1	49		17.86	17.97	17.88		
20	256QAM	1	99		17.93	17.92	17.99		
20	256QAM	50	0		17.83	17.85	17.78	19	5
20	256QAM	50	24		17.71	17.71	17.58		
20	256QAM	50	50		17.74	17.80	17.68		
20	256QAM	100	0		17.85	17.85	17.74		
Channel					42495	42590	42695	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3457.5	3500	3542.5		
15	QPSK	1	0		22.89	23.03	22.84	24	0
15	QPSK	1	37		22.71	22.77	22.79		
15	QPSK	1	74		22.85	22.75	22.68		
15	QPSK	36	0		21.94	21.98	21.88		
15	QPSK	36	20		21.70	21.91	21.67	23	1
15	QPSK	36	39		21.73	21.79	21.64		
15	QPSK	75	0		21.91	21.94	21.77		
15	16QAM	1	0		22.26	22.22	22.14		
15	16QAM	1	37		22.16	22.24	22.07	23	1
15	16QAM	1	74		22.19	22.21	22.10		
15	16QAM	36	0		20.80	20.89	20.74		
15	16QAM	36	20		20.82	20.77	20.72		
15	16QAM	36	39		20.69	20.75	20.66	22	2
15	16QAM	75	0		20.74	20.75	20.66		
15	64QAM	1	0		21.12	21.16	21.09		
15	64QAM	1	37		21.06	21.02	21.10		
15	64QAM	1	74		20.95	20.96	21.10	21	3
15	64QAM	36	0		19.73	19.87	19.73		
15	64QAM	36	20		19.75	19.67	19.60		
15	64QAM	36	39		19.59	19.67	19.73		
15	64QAM	75	0		19.70	19.76	19.64	19	5
15	256QAM	1	0		17.82	17.96	18.06		
15	256QAM	1	37		17.89	17.91	17.79		
15	256QAM	1	74		17.89	17.87	17.94		
15	256QAM	36	0		17.79	17.78	17.69	19	5
15	256QAM	36	20		17.68	17.66	17.48		
15	256QAM	36	39		17.73	17.73	17.66		
15	256QAM	75	0		17.77	17.76	17.71		
Channel					42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3455	3500	3545		
10	QPSK	1	0		22.94	22.97	22.80	24	0
10	QPSK	1	25		22.67	22.68	22.81		
10	QPSK	1	49		22.82	22.82	22.66		
10	QPSK	25	0		22.00	22.06	21.91		
10	QPSK	25	12		21.75	21.93	21.72	23	1
10	QPSK	25	25		21.78	21.72	21.61		
10	QPSK	50	0		21.91	21.98	21.74		
10	16QAM	1	0		22.26	22.31	22.19		
10	16QAM	1	25		22.09	22.17	22.03	23	1
10	16QAM	1	49		22.12	22.25	22.04		
10	16QAM	25	0		20.81	20.84	20.70		
10	16QAM	25	12		20.83	20.75	20.69		
10	16QAM	25	25		20.75	20.74	20.65	22	2
10	16QAM	50	0		20.74	20.75	20.76		
10	64QAM	1	0		21.17	21.17	21.10		
10	64QAM	1	25		21.08	20.98	21.14		
10	64QAM	1	49		20.93	20.97	21.11	22	2
10	64QAM	25	0		19.70	19.86	19.70		
10	64QAM	25	12		19.81	19.73	19.60		
10	64QAM	25	25		19.58	19.67	19.63		
10	64QAM	50	0		19.71	19.72	19.66	19	5
10	256QAM	1	0		18.00	18.00	18.10		
10	256QAM	1	25		17.80	17.91	17.77		
10	256QAM	1	49		17.84	17.85	17.97		
10	256QAM	25	0		17.77	17.81	17.76	19	5
10	256QAM	25	12		17.61	17.68	17.56		
10	256QAM	25	25		17.67	17.69	17.64		
10	256QAM	50	0		17.78	17.79	17.69		
Channel					42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3452.5	3500	3547.5		
5	QPSK	1	0		22.90	23.01	22.80	24	0
5	QPSK	1	12		22.71	22.69	22.75		
5	QPSK	1	24		22.75	22.78	22.75		
5	QPSK	12	0		21.91	22.02	21.96		
5	QPSK	12	7		21.76	21.85	21.69	23	1
5	QPSK	12	13		21.75	21.74	21.59		
5	QPSK	25	0		21.89	21.94	21.83		
5	16QAM	1	0		22.18	22.29	22.15		
5	16QAM	1	12		22.13	22.18	22.03	23	1
5	16QAM	1	24		22.14	22.27	22.04		
5	16QAM	12	0		20.81	20.86	20.80		
5	16QAM	12	7		20.82	20.79	20.73		
5	16QAM	12	13		20.76	20.77	20.64	22	2
5	16QAM	25	0		20.99	20.76	20.65		
5	64QAM	1	0		21.09	21.17	21.01		
5	64QAM	1	12		21.08	21.06	21.11		
5	64QAM	1	24		21.01	21.05	21.08	21	3
5	64QAM	12	0		19.76	19.82	19.68		
5	64QAM	12	7		19.74	19.74	19.60		
5	64QAM	12	13		19.63	19.66	19.65		
5	256QAM	25	0		19.72	19.71	19.70	19	5
5	256QAM	1	0		17.97	17.97	18.03		
5	256QAM	1	12		17.92	17.89	17.80		
5	256QAM	1	24		17.83	17.86	17.99		
5	256QAM	12	0		17.82	17.75	17.71	19	5
5	256QAM	12	7		17.82	17.68	17.56		
5	256QAM	12	13		17.73	17.69	17.60		
5	256QAM	25	0		17.80	17.78	17.73		

Band 48_FCC 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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3570	3600	3644	3690		
20	QPSK	1	0	23.25	23.33	23.25	23.14	24	0
20	QPSK	1	49	23.11	23.17	23.17	23.04		
20	QPSK	1	99	22.82	23.11	22.97	22.95		
20	QPSK	50	0	22.12	22.31	22.19	22.24		
20	QPSK	50	24	22.02	22.14	22.11	22.05	23	1
20	QPSK	50	50	22.07	22.10	22.06	21.98		
20	QPSK	100	0	22.21	22.31	22.13	22.21		
20	16QAM	1	0	22.47	22.53	22.47	22.53		
20	16QAM	1	49	22.36	22.47	22.45	22.42	23	1
20	16QAM	1	99	22.38	22.55	22.39	22.46		
20	16QAM	50	0	21.12	21.15	21.17	21.13		
20	16QAM	50	24	21.03	21.22	21.07	21.02		
20	16QAM	50	50	21.02	21.04	20.96	21.03	22	2
20	16QAM	100	0	21.13	21.08	21.09	21.10		
20	64QAM	1	0	21.33	21.51	21.30	21.44		
20	64QAM	1	49	21.30	21.39	21.28	21.41		
20	64QAM	1	99	21.21	21.33	21.26	21.31	21	3
20	64QAM	50	0	20.08	20.12	20.11	20.07		
20	64QAM	50	24	20.07	20.10	19.98	19.95		
20	64QAM	50	50	20.02	20.05	20.10	19.98		
20	64QAM	100	0	20.01	20.15	20.07	20.00	19	5
20	256QAM	1	0	18.34	18.33	18.35	18.38		
20	256QAM	1	49	18.26	18.25	18.22	18.22		
20	256QAM	1	99	18.25	18.26	18.29	18.29		
20	256QAM	50	0	18.09	18.20	18.09	18.05	19	5
20	256QAM	50	24	18.01	18.00	18.03	17.85		
20	256QAM	50	50	17.97	18.04	18.06	17.99		
20	256QAM	100	0	18.04	18.14	18.13	18.06		
Channel				55315	55600	56160	56650	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.20	23.25	23.25	23.05	24	0
15	QPSK	1	37	22.99	23.07	23.15	22.93		
15	QPSK	1	74	22.84	23.05	22.96	22.93		
15	QPSK	36	0	22.09	22.30	22.18	22.14		
15	QPSK	36	20	21.94	22.12	22.00	21.97	23	1
15	QPSK	36	39	22.06	22.10	22.01	21.86		
15	QPSK	75	0	22.12	22.27	22.07	22.17		
15	16QAM	1	0	22.38	22.46	22.35	22.47		
15	16QAM	1	37	22.29	22.40	22.39	22.42	23	1
15	16QAM	1	74	22.37	22.47	22.30	22.45		
15	16QAM	36	0	21.02	21.06	21.12	21.02		
15	16QAM	36	20	20.93	21.17	21.05	20.98		
15	16QAM	36	39	20.95	20.99	20.87	20.98	22	2
15	16QAM	75	0	21.12	21.05	21.05	21.04		
15	64QAM	1	0	21.23	21.47	21.29	21.34		
15	64QAM	1	37	21.24	21.36	21.22	21.38		
15	64QAM	1	74	21.16	21.32	21.11	21.31	21	3
15	64QAM	36	0	20.00	20.07	20.07	20.01		
15	64QAM	36	20	19.99	20.02	19.95	19.90		
15	64QAM	36	39	19.93	19.99	20.07	19.89		
15	64QAM	75	0	19.96	20.11	19.97	19.94	19	5
15	256QAM	1	0	18.28	18.24	18.28	18.33		
15	256QAM	1	37	18.15	18.23	18.12	18.15		
15	256QAM	1	74	18.21	18.17	18.20	18.17		
15	256QAM	36	0	17.99	18.13	18.05	18.00	19	5
15	256QAM	36	20	17.95	17.91	17.98	17.84		
15	256QAM	36	39	17.90	17.94	17.95	17.93		
15	256QAM	75	0	17.99	18.04	18.01	17.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3697.5	3642.5	3695		
10	QPSK	1	0	23.22	23.23	23.27	23.07	24	0
10	QPSK	1	25	23.00	23.07	23.16	23.02		
10	QPSK	1	49	22.88	23.06	22.92	22.83		
10	QPSK	25	0	22.10	22.28	22.09	22.22		
10	QPSK	25	12	21.96	22.02	22.09	22.04	23	1
10	QPSK	25	25	21.99	22.00	22.03	21.93		
10	QPSK	50	0	22.18	22.28	22.12	22.10		
10	16QAM	1	0	22.47	22.49	22.45	22.46		
10	16QAM	1	25	22.25	22.42	22.40	22.33	23	1
10	16QAM	1	49	22.33	22.52	22.34	22.40		
10	16QAM	25	0	21.08	21.09	21.12	21.09		
10	16QAM	25	12	20.97	21.13	21.04	21.02		
10	16QAM	25	25	21.00	20.99	20.86	20.95	22	2
10	16QAM	50	0	21.06	20.97	21.06	21.02		
10	64QAM	1	0	21.30	21.42	21.28	21.38		
10	64QAM	1	25	21.24	21.30	21.21	21.30		
10	64QAM	1	49	21.19	21.21	21.16	21.30	21	3
10	64QAM	25	0	20.05	20.05	19.99	19.96		
10	64QAM	25	12	20.07	19.98	19.96	19.89		
10	64QAM	25	25	19.93	19.98	20.09	19.93		
10	64QAM	50	0	19.99	20.09	20.07	19.97	19	5
10	256QAM	1	0	18.24	18.30	18.28	18.29		
10	256QAM	1	25	18.20	18.16	18.18	18.11		
10	256QAM	1	49	18.14	18.25	18.17	18.24		
10	256QAM	25	0	17.86	18.17	18.04	17.97	19	5
10	256QAM	25	12	17.88	17.96	17.99	17.83		
10	256QAM	25	25	17.89	18.04	17.97	17.92		
10	256QAM	50	0	18.00	18.07	18.08	18.00		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.20	23.31	23.18	23.05	24	0
5	QPSK	1	12	23.09	23.13	23.07	22.99		
5	QPSK	1	24	22.85	23.07	22.93	22.87		
5	QPSK	12	0	22.05	22.30	22.18	22.13		
5	QPSK	12	7	21.98	22.06	22.04	21.94	23	1
5	QPSK	12	13	21.98	22.06	22.03	21.86		
5	QPSK	25	0	22.21	22.22	22.12	22.19		
5	16QAM	1	0	22.44	22.45	22.38	22.42		
5	16QAM	1	12	22.30	22.39	22.45	22.33	23	1
5	16QAM	1	24	22.33	22.53	22.32	22.36		
5	16QAM	12	0	21.09	21.10	21.13	21.07		
5	16QAM	12	7	20.96	21.10	20.99	20.99		
5	16QAM	12	13	20.99	21.03	20.86	20.92	22	2
5	16QAM	25	0	21.05	21.07	21.06	21.01		
5	64QAM	1	0	21.31	21.40	21.19	21.38		
5	64QAM	1	12	21.26	21.31	21.24	21.32		
5	64QAM	1	24	21.16	21.26	21.12	21.23	21	3
5	64QAM	12	0	20.05	20.03	20.06	20.05		
5	64QAM	12	7	20.00	20.00	19.89	19.93		
5	64QAM	12	13	19.96	19.96	19.98	19.89		
5	256QAM	25	0	19.91	20.13	20.04	19.98	19	5
5	256QAM	1	0	18.32	18.25	18.27	18.28		
5	256QAM	1	12	18.23	18.21	18.20	18.21		
5	256QAM	1	24	18.15	18.23	18.21	18.21		
5	256QAM	12	0	18.03	18.09	18.00	17.99	19	5
5	256QAM	12	7	17.94	17.89	18.01	17.80		
5	256QAM	12	13	17.96	17.94	17.97	17.89		
5	256QAM	25	0	18.04	18.05	18.05	18.00		

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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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.94	21.96	21.88	23	0	
20	QPSK	1	49	21.87	21.81	21.72			
20	QPSK	1	99	21.78	21.74	21.76			
20	QPSK	50	0	20.90	20.93	20.91	22	1	
20	QPSK	50	24	20.73	20.83	20.71			
20	QPSK	50	50	20.78	20.71	20.63			
20	QPSK	100	0	20.92	20.94	20.86	22	1	
20	16QAM	1	0	21.17	21.21	21.07			
20	16QAM	1	49	21.19	21.12	20.99			
20	16QAM	1	99	21.17	21.18	20.99	21	2	
20	16QAM	50	0	19.80	19.80	19.64			
20	16QAM	50	24	19.83	19.85	19.67			
20	16QAM	50	50	19.65	19.73	19.61	21	2	
20	16QAM	100	0	19.79	19.74	19.65			
20	64QAM	1	0	20.04	20.05	19.99			
20	64QAM	1	49	19.98	20.05	19.96	21	2	
20	64QAM	1	99	19.97	19.92	20.03			
20	64QAM	50	0	18.89	18.76	18.66			
20	64QAM	50	24	18.74	18.66	18.56	20	3	
20	64QAM	50	50	18.74	18.63	18.64			
20	64QAM	100	0	18.70	18.76	18.62			
20	256QAM	1	0	17.04	16.96	17.00	18	5	
20	256QAM	1	49	16.99	16.90	16.79			
20	256QAM	1	99	16.96	16.84	16.95			
20	256QAM	50	0	16.82	16.83	16.64	18	5	
20	256QAM	50	24	16.76	16.71	16.48			
20	256QAM	50	50	16.69	16.74	16.53			
20	256QAM	100	0	16.88	16.71	16.62			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3467.5	3500	3542.5			
15	QPSK	1	0	21.88	21.86	21.85	23	0	
15	QPSK	1	37	21.76	21.74	21.70			
15	QPSK	1	74	21.66	21.65	21.70			
15	QPSK	36	0	20.82	20.87	20.88	22	1	
15	QPSK	36	20	20.69	20.80	20.62			
15	QPSK	36	39	20.73	20.66	20.53			
15	QPSK	75	0	20.89	20.78	20.80	22	1	
15	16QAM	1	0	21.08	21.16	20.99			
15	16QAM	1	37	21.14	21.12	20.93			
15	16QAM	1	74	21.05	21.15	20.91	21	2	
15	16QAM	36	0	19.78	19.75	19.56			
15	16QAM	36	20	19.80	19.83	19.64			
15	16QAM	36	39	19.64	19.62	19.52	21	2	
15	16QAM	75	0	19.69	19.70	19.59			
15	64QAM	1	0	19.88	19.87	19.94			
15	64QAM	1	37	19.92	20.00	19.94	21	2	
15	64QAM	1	74	19.92	19.83	19.94			
15	64QAM	36	0	18.83	18.75	18.54			
15	64QAM	36	20	18.72	18.56	18.54	20	3	
15	64QAM	36	39	18.63	18.61	18.52			
15	64QAM	75	0	18.62	18.74	18.54			
15	256QAM	1	0	16.93	16.95	16.98	18	5	
15	256QAM	1	37	16.91	16.88	16.79			
15	256QAM	1	74	16.94	16.83	16.90			
15	256QAM	36	0	16.79	16.78	16.63	18	5	
15	256QAM	36	20	16.71	16.70	16.45			
15	256QAM	36	39	16.58	16.66	16.45			
15	256QAM	75	0	16.79	16.69	16.55			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.89	21.89	21.81	23	0	
10	QPSK	1	25	21.86	21.79	21.71			
10	QPSK	1	49	21.66	21.69	21.68			
10	QPSK	25	0	20.84	20.96	20.79	22	1	
10	QPSK	25	12	20.71	20.78	20.62			
10	QPSK	25	25	20.69	20.60	20.55			
10	QPSK	50	0	20.83	20.72	20.74	22	1	
10	16QAM	1	0	21.06	21.09	20.96			
10	16QAM	1	25	21.10	21.02	20.92			
10	16QAM	1	49	21.13	21.08	20.98	21	2	
10	16QAM	25	0	19.73	19.74	19.58			
10	16QAM	25	12	19.71	19.76	19.60			
10	16QAM	25	25	19.62	19.63	19.49	21	2	
10	16QAM	50	0	19.79	19.67	19.60			
10	64QAM	1	0	19.96	19.97	19.96			
10	64QAM	1	25	19.88	20.05	19.94	20	3	
10	64QAM	1	49	19.89	19.89	20.00			
10	64QAM	25	0	18.81	18.65	18.59			
10	64QAM	25	12	18.70	18.60	18.55	18	5	
10	64QAM	25	25	18.66	18.56	18.61			
10	64QAM	50	0	18.60	18.72	18.57			
10	256QAM	1	0	16.92	16.90	16.97	18	5	
10	256QAM	1	25	16.87	16.82	16.71			
10	256QAM	1	49	16.92	16.79	16.83			
10	256QAM	25	0	16.72	16.60	16.53	18	5	
10	256QAM	25	12	16.72	16.66	16.48			
10	256QAM	25	25	16.61	16.71	16.48			
10	256QAM	50	0	16.77	16.61	16.59			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.87	21.86	21.79	23	0	
5	QPSK	1	12	21.83	21.80	21.85			
5	QPSK	1	24	21.60	21.63	21.67			
5	QPSK	12	0	20.81	20.87	20.62	22	1	
5	QPSK	12	7	20.69	20.73	20.69			
5	QPSK	12	13	20.68	20.63	20.54			
5	QPSK	25	0	20.91	20.77	20.79	22	1	
5	16QAM	1	0	21.14	21.13	20.99			
5	16QAM	1	12	21.11	21.12	20.89			
5	16QAM	1	24	21.09	21.15	20.95	21	2	
5	16QAM	12	0	19.75	19.76	19.60			
5	16QAM	12	7	19.72	19.82	19.62			
5	16QAM	12	13	19.54	19.62	19.56	21	2	
5	16QAM	25	0	19.68	19.63	19.58			
5	64QAM	1	0	19.93	19.97	19.93			
5	64QAM	1	12	19.94	19.96	19.84	21	2	
5	64QAM	1	24	19.85	19.83	19.95			
5	64QAM	12	0	18.89	18.73	18.65			
5	64QAM	12	7	18.68	18.66	18.48	20	3	
5	64QAM	12	13	18.62	18.56	18.55			
5	64QAM	25	0	18.68	18.66	18.58			
5	256QAM	1	0	16.96	16.94	16.92	18	5	
5	256QAM	1	12	16.89	16.82	16.69			
5	256QAM	1	24	16.90	16.77	16.85			
5	256QAM	12	0	16.71	16.76	16.55	18	5	
5	256QAM	12	7	16.75	16.76	16.58			
5	256QAM	12	13	16.66	16.64	16.50			
5	256QAM	25	0	16.80	16.70	16.52			

Band 48_FCC Ant 6											
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.	Tune-up limit (dBm)	MPR (dB)		
Channel				55340	55830	56150	56640				
Frequency (MHz)				3560	3609	3641	3690				
20	QPSK	1	0	21.56	21.70	21.72	21.64	23	0		
20	QPSK	1	49	21.43	21.65	21.64	21.56				
20	QPSK	1	99	21.49	21.59	21.64	21.45				
20	QPSK	50	0	20.69	20.82	20.84	20.68				
20	QPSK	50	24	20.49	20.80	20.72	20.61	22	1		
20	QPSK	50	50	20.47	20.53	20.59	20.54				
20	QPSK	100	0	20.67	20.69	20.72	20.69				
20	16QAM	1	0	20.90	21.02	21.07	20.95				
20	16QAM	1	49	20.94	20.99	21.00	20.95	22	1		
20	16QAM	1	99	20.82	20.96	21.04	20.86				
20	16QAM	50	0	19.63	19.68	19.67	19.57				
20	16QAM	50	24	19.54	19.68	19.66	19.51				
20	16QAM	50	50	19.47	19.52	19.55	19.60	21	2		
20	16QAM	100	0	19.58	19.55	19.61	19.52				
20	64QAM	1	0	19.88	19.96	19.98	19.90				
20	64QAM	1	49	19.80	19.86	19.91	19.85				
20	64QAM	1	99	19.71	19.82	19.82	19.86	20	3		
20	64QAM	50	0	18.63	18.63	18.69	18.49				
20	64QAM	50	24	18.46	18.51	18.56	18.46				
20	64QAM	50	50	18.54	18.54	18.46	18.43				
20	64QAM	100	0	18.50	18.57	18.59	18.47	18	5		
20	256QAM	1	0	16.76	16.82	16.79	16.86				
20	256QAM	1	49	16.79	16.83	16.81	16.69				
20	256QAM	1	99	16.74	16.74	16.80	16.68				
20	256QAM	50	0	16.51	16.59	16.60	16.48	18	5		
20	256QAM	50	24	16.47	16.50	16.57	16.39				
20	256QAM	50	50	16.54	16.52	16.58	16.48				
20	256QAM	100	0	16.55	16.53	16.63	16.51				
Channel				55315	55920	56160	56665	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3557.5	3608	3642	3692.5				
15	QPSK	1	0	21.53	21.69	21.62	21.55	23	0		
15	QPSK	1	37	21.37	21.54	21.53	21.49				
15	QPSK	1	74	21.48	21.54	21.64	21.38				
15	QPSK	38	0	20.63	20.80	20.78	20.58				
15	QPSK	38	20	20.38	20.50	20.64	20.50	22	1		
15	QPSK	38	39	20.36	20.52	20.54	20.54				
15	QPSK	75	0	20.67	20.67	20.67	20.60				
15	16QAM	1	0	20.83	20.93	20.98	20.94				
15	16QAM	1	37	20.83	20.96	20.91	20.73	22	1		
15	16QAM	1	74	20.82	20.94	21.02	20.75				
15	16QAM	38	0	19.52	19.60	19.58	19.55				
15	16QAM	38	20	19.42	19.62	19.61	19.48				
15	16QAM	38	39	19.37	19.44	19.55	19.49	21	2		
15	16QAM	75	0	19.57	19.52	19.55	19.42				
15	64QAM	1	0	19.80	19.87	19.91	19.82				
15	64QAM	1	37	19.78	19.79	19.90	19.82				
15	64QAM	1	74	19.67	19.81	19.77	19.83	20	3		
15	64QAM	38	0	18.57	18.62	18.63	18.47				
15	64QAM	38	20	18.42	18.50	18.46	18.40				
15	64QAM	38	39	18.50	18.52	18.42	18.39				
15	64QAM	75	0	18.46	18.49	18.57	18.41	18	5		
15	256QAM	1	0	16.67	16.81	16.67	16.81				
15	256QAM	1	37	16.76	16.72	16.73	16.61				
15	256QAM	1	74	16.63	16.73	16.79	16.77				
15	256QAM	38	0	16.41	16.57	16.50	16.42	18	5		
15	256QAM	38	20	16.44	16.47	16.49	16.37				
15	256QAM	38	39	16.50	16.40	16.47	16.36				
15	256QAM	75	0	16.52	16.49	16.52	16.49				
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3555	3607.5	3642.5	3695				
10	QPSK	1	0	21.56	21.69	21.69	21.53	23	0		
10	QPSK	1	25	21.42	21.58	21.58	21.54				
10	QPSK	1	49	21.40	21.58	21.60	21.37				
10	QPSK	25	0	20.59	20.73	20.82	20.58				
10	QPSK	25	12	20.48	20.52	20.70	20.56	22	1		
10	QPSK	25	25	20.42	20.46	20.63	20.47				
10	QPSK	50	0	20.57	20.63	20.60	20.61				
10	16QAM	1	0	20.86	21.00	21.03	20.93				
10	16QAM	1	25	20.88	20.92	20.98	20.78	22	1		
10	16QAM	1	49	20.74	20.94	21.00	20.81				
10	16QAM	25	0	19.63	19.62	19.67	19.57				
10	16QAM	25	12	19.47	19.58	19.65	19.41				
10	16QAM	25	25	19.39	19.47	19.55	19.55	21	2		
10	16QAM	50	0	19.57	19.51	19.55	19.43				
10	64QAM	1	0	19.84	19.87	19.89	19.79				
10	64QAM	1	25	19.78	19.91	19.87	19.77				
10	64QAM	1	49	19.70	19.79	19.76	19.82	20	3		
10	64QAM	25	0	18.52	18.58	18.67	18.43				
10	64QAM	25	12	18.45	18.46	18.48	18.42				
10	64QAM	25	25	18.51	18.51	18.45	18.34				
10	64QAM	50	0	18.48	18.52	18.57	18.37	18	5		
10	256QAM	1	0	16.68	16.79	16.75	16.77				
10	256QAM	1	25	16.76	16.75	16.72	16.61				
10	256QAM	1	49	16.68	16.67	16.78	16.75				
10	256QAM	25	0	16.44	16.53	16.54	16.38	18	5		
10	256QAM	25	12	16.38	16.40	16.48	16.28				
10	256QAM	25	25	16.50	16.47	16.50	16.43				
10	256QAM	50	0	16.45	16.44	16.56	16.48				
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3552.5	3609	3643	3697.5				
5	QPSK	1	0	21.49	21.63	21.71	21.53	23	0		
5	QPSK	1	12	21.33	21.58	21.61	21.51				
5	QPSK	1	24	21.45	21.55	21.60	21.41				
5	QPSK	12	0	20.67	20.73	20.75	20.63				
5	QPSK	12	7	20.43	20.57	20.67	20.58	22	1		
5	QPSK	12	13	20.45	20.50	20.56	20.53				
5	QPSK	25	0	20.64	20.62	20.69	20.61				
5	16QAM	1	0	20.83	20.96	21.00	20.90				
5	16QAM	1	12	20.92	20.90	20.99	20.80	22	1		
5	16QAM	1	24	20.76	20.89	20.93	20.84				
5	16QAM	12	0	19.55	19.66	19.60	19.53				
5	16QAM	12	7	19.50	19.59	19.56	19.44				
5	16QAM	12	13	19.37	19.51	19.51	19.54	21	2		
5	16QAM	25	0	19.52	19.53	19.58	19.49				
5	64QAM	1	0	19.77	19.84	19.88	19.90				
5	64QAM	1	12	19.68	19.78	19.88	19.82				
5	64QAM	1	24	19.60	19.77	19.81	19.77	20	3		
5	64QAM	12	0	18.59	18.54	18.61	18.42				
5	64QAM	12	7	18.42	18.51	18.48	18.44				
5	64QAM	12	13	18.49	18.51	18.37	18.40				
5	256QAM	1	0	16.44	16.51	16.59	16.45	18	5		
5	256QAM	1	0	16.64	16.82	16.72	16.85				
5	256QAM	1	12	16.77	16.80	16.70	16.64				
5	256QAM	1	24	16.65	16.73	16.71	16.83				
5	256QAM	12	0	16.42	16.58	16.49	16.40	18	5		
5	256QAM	12	7	16.39	16.48	16.53	16.77				
5	256QAM	12	13	16.51	16.45	16.53	16.40				
5	256QAM	25	0	16.48	16.43	16.57	16.50				



Band 42 FCC Part27Q Ant 7									
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				42190	42590	42990	21.5	0	
Frequency (MHz)				3450	3500	3545			
20	QPSK	1	0	20.66	20.67	20.50			
20	QPSK	1	49	20.44	20.53	20.36	20.5	1	
20	QPSK	1	99	20.37	20.41	20.31			
20	QPSK	50	0	19.64	19.65	19.61			
20	QPSK	50	24	19.50	19.50	19.47	20.5	1	
20	QPSK	50	50	19.41	19.41	19.34			
20	QPSK	100	0	19.65	19.68	19.54			
20	16QAM	1	0	19.88	19.95	19.86	19.5	2	
20	16QAM	1	49	19.84	19.85	19.79			
20	16QAM	1	99	19.90	19.88	19.75			
20	16QAM	50	0	18.58	18.52	18.41	19.5	2	
20	16QAM	50	24	18.47	18.57	18.33			
20	16QAM	50	50	18.41	18.47	18.41			
20	16QAM	100	0	18.48	18.41	18.38	19.5	2	
20	64QAM	1	0	18.75	18.76	18.61			
20	64QAM	1	49	18.69	18.74	18.68			
20	64QAM	1	99	18.71	18.72	18.74	18.5	3	
20	64QAM	50	0	17.47	17.54	17.36			
20	64QAM	50	24	17.41	17.41	17.29			
20	64QAM	50	50	17.37	17.44	17.29	16.5	5	
20	256QAM	100	0	17.45	17.44	17.31			
20	256QAM	1	0	15.72	15.67	15.64			
20	256QAM	1	49	15.62	15.68	15.50	16.5	5	
20	256QAM	1	99	15.56	15.65	15.62			
15	256QAM	50	0	15.52	15.40	15.39			
20	256QAM	50	24	15.35	15.38	15.23	16.5	5	
20	256QAM	50	50	15.39	15.39	15.29			
20	256QAM	100	0	15.49	15.45	15.43			
Channel				43165	43590	43915	21.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.59	20.60	20.47			
15	QPSK	1	37	20.33	20.45	20.36	20.5	1	
15	QPSK	1	74	20.27	20.36	20.27			
15	QPSK	36	0	19.63	19.57	19.59			
15	QPSK	36	20	19.39	19.50	19.45	20.5	1	
15	QPSK	36	39	19.32	19.32	19.24			
15	QPSK	75	0	19.62	19.53	19.52			
15	16QAM	1	0	19.78	19.83	19.81	19.5	2	
15	16QAM	1	37	19.76	19.84	19.74			
15	16QAM	1	74	19.83	19.86	19.85			
15	16QAM	36	0	18.49	18.46	18.41	19.5	2	
15	16QAM	36	20	18.36	18.56	18.24			
15	16QAM	36	39	18.39	18.46	18.37			
15	16QAM	75	0	18.39	18.41	18.27	19.5	2	
15	64QAM	1	0	18.70	18.70	18.60			
15	64QAM	1	37	18.59	18.69	18.67			
15	64QAM	1	74	18.61	18.64	18.68	18.5	3	
15	64QAM	36	0	17.37	17.44	17.36			
15	64QAM	36	20	17.39	17.32	17.19			
15	64QAM	36	39	17.32	17.32	17.19	16.5	5	
15	64QAM	75	0	17.44	17.42	17.20			
15	256QAM	1	0	15.64	15.55	15.53			
15	256QAM	1	37	15.51	15.60	15.40	16.5	5	
15	256QAM	1	74	15.53	15.64	15.62			
15	256QAM	36	0	15.45	15.43	15.31			
15	256QAM	36	20	15.25	15.37	15.12	16.5	5	
15	256QAM	36	39	15.28	15.33	15.26			
15	256QAM	75	0	15.43	15.43	15.42			
Channel				42140	42590	43040	21.5	0	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.60	20.57	20.49			
10	QPSK	1	25	20.38	20.46	20.26	20.5	1	
10	QPSK	1	49	20.38	20.40	20.26			
10	QPSK	25	0	19.60	19.60	19.60			
10	QPSK	25	12	19.38	19.40	19.46	20.5	1	
10	QPSK	25	25	19.35	19.31	19.23			
10	QPSK	50	0	19.63	19.61	19.50			
10	16QAM	1	0	19.76	19.89	19.85	20.5	1	
10	16QAM	1	25	19.84	19.80	19.68			
10	16QAM	1	49	19.87	19.84	19.65			
10	16QAM	25	0	18.47	18.45	18.41	19.5	2	
10	16QAM	25	12	18.39	18.46	18.25			
10	16QAM	25	25	18.33	18.40	18.41			
10	16QAM	50	0	18.46	18.33	18.35	19.5	2	
10	64QAM	1	0	18.68	18.67	18.79			
10	64QAM	1	25	18.62	18.72	18.65			
10	64QAM	1	49	18.70	18.67	18.70	18.5	3	
10	64QAM	25	0	17.45	17.53	17.35			
10	64QAM	25	12	17.39	17.34	17.21			
10	64QAM	25	25	17.33	17.34	17.20	16.5	5	
10	64QAM	50	0	17.38	17.36	17.30			
10	256QAM	1	0	15.61	15.57	15.61			
10	256QAM	1	25	15.59	15.59	15.46	16.5	5	
10	256QAM	1	49	15.47	15.62	15.56			
10	256QAM	25	0	15.44	15.44	15.33			
10	256QAM	25	12	15.32	15.28	15.21	16.5	5	
10	256QAM	25	25	15.31	15.31	15.20			
10	256QAM	50	0	15.47	15.36	15.36			
Channel				42115	42590	43065	21.5	0	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.65	20.57	20.40			
5	QPSK	1	12	20.35	20.46	20.34	20.5	1	
5	QPSK	1	24	20.35	20.40	20.24			
5	QPSK	12	0	19.60	19.58	19.53			
5	QPSK	12	7	19.44	19.49	19.45	20.5	1	
5	QPSK	12	15	19.37	19.34	19.53			
5	QPSK	25	0	19.63	19.60	19.44			
5	16QAM	1	0	19.81	19.95	19.82	20.5	1	
5	16QAM	1	12	19.84	19.81	19.79			
5	16QAM	1	24	19.78	19.87	19.65			
5	16QAM	12	0	18.51	18.43	18.34	19.5	2	
5	16QAM	12	7	18.44	18.57	18.30			
5	16QAM	12	13	18.38	18.42	18.30			
5	16QAM	25	0	18.44	18.39	18.26	19.5	2	
5	64QAM	1	0	18.73	18.75	18.60			
5	64QAM	1	12	18.64	18.72	18.62			
5	64QAM	1	24	18.67	18.64	18.62	18.5	3	
5	64QAM	12	0	17.43	17.44	17.31			
5	64QAM	12	7	17.39	17.37	17.21			
5	64QAM	12	13	17.29	17.36	17.22	16.5	5	
5	256QAM	25	0	17.36	17.36	17.28			
5	256QAM	1	0	15.68	15.59	15.64			
5	256QAM	1	12	15.55	15.61	15.39	16.5	5	
5	256QAM	1	24	15.52	15.62	15.62			
5	256QAM	12	0	15.44	15.46	15.27			
5	256QAM	12	7	15.28	15.38	15.23	16.5	5	
5	256QAM	12	13	15.32	15.33	15.26			
5	256QAM	25	0	15.40	15.42	15.38			

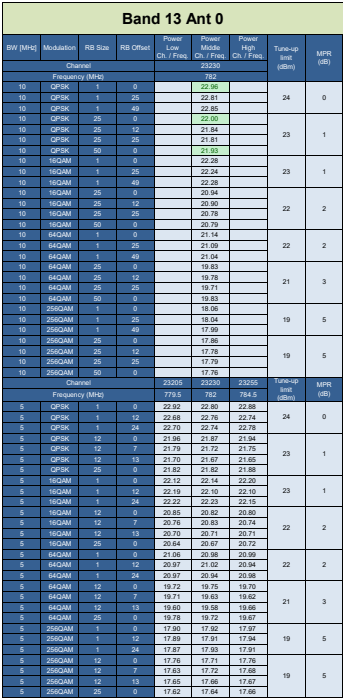
Band 48_FCC Ant 7											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel											
Frequency (MHz)				55340	55830	56150	56640				
20	QPSK	1	0	20.82	20.72	20.76	20.65	22	0		
20	QPSK	1	49	20.65	20.49	20.58	20.50				
20	QPSK	1	99	20.61	20.45	20.49	20.44				
20	QPSK	50	0	19.83	19.72	19.61	19.78				
20	QPSK	50	24	19.87	19.85	19.85	19.60	21	1		
20	QPSK	50	50	19.56	19.53	19.53	19.48				
20	QPSK	100	0	19.76	19.66	19.72	19.69				
20	16QAM	1	0	20.11	20.03	19.92	19.96				
20	16QAM	1	49	20.02	19.84	19.96	19.94	21	1		
20	16QAM	1	99	20.09	19.87	19.81	19.89				
20	16QAM	50	0	18.64	18.53	18.63	18.61				
20	16QAM	50	24	18.66	18.55	18.56	18.51				
20	16QAM	50	50	18.51	18.58	18.51	18.53	20	2		
20	16QAM	100	0	18.54	18.53	18.63	18.58				
20	64QAM	1	0	19.00	18.90	18.82	18.93				
20	64QAM	1	49	18.94	18.83	18.72	18.82				
20	64QAM	1	99	18.82	18.84	18.75	18.82	20	2		
20	64QAM	50	0	17.69	17.57	17.58	17.61				
20	64QAM	50	24	17.63	17.49	17.49	17.43				
20	64QAM	50	50	17.49	17.49	17.61	17.45				
20	64QAM	100	0	17.57	17.49	17.55	17.49	19	3		
20	256QAM	1	0	15.89	15.83	15.77	15.85				
20	256QAM	1	49	15.83	15.66	15.69	15.63				
20	256QAM	1	99	15.74	15.85	15.72	15.78				
20	256QAM	50	0	15.69	15.49	15.57	15.52	17	5		
20	256QAM	50	24	15.57	15.36	15.44	15.38				
20	256QAM	50	50	15.53	15.43	15.51	15.51				
20	256QAM	100	0	15.54	15.56	15.61	15.55				
Channel											
Frequency (MHz)				55315	55820	56160	56655				
Channel				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.76	20.66	20.70	20.61	22	0		
15	QPSK	1	37	20.61	20.46	20.55	20.44				
15	QPSK	1	74	20.60	20.36	20.37	20.44				
15	QPSK	36	0	19.78	19.72	19.54	19.73				
15	QPSK	36	20	19.65	19.47	19.46	19.60	21	1		
15	QPSK	36	39	19.56	19.42	19.47	19.36				
15	QPSK	75	0	19.74	19.60	19.62	19.60				
15	16QAM	1	0	20.06	19.96	19.87	19.92				
15	16QAM	1	37	19.99	19.76	19.95	19.80	21	1		
15	16QAM	1	74	20.01	19.79	19.78	19.89				
15	16QAM	36	0	18.56	18.50	18.63	18.57				
15	16QAM	36	20	18.63	18.43	18.46	18.39				
15	16QAM	36	39	18.49	18.56	18.50	18.53	20	2		
15	16QAM	75	0	18.42	18.46	18.62	18.47				
15	64QAM	1	0	18.93	18.79	18.79	18.84				
15	64QAM	1	37	18.82	18.79	18.61	18.80				
15	64QAM	1	74	18.78	18.77	18.71	18.75	20	2		
15	64QAM	36	0	17.67	17.52	17.67	17.43				
15	64QAM	36	20	17.63	17.40	17.48	17.41				
15	64QAM	36	39	17.42	17.46	17.59	17.45				
15	64QAM	75	0	17.55	17.46	17.50	17.43	19	3		
15	256QAM	1	0	15.85	15.79	15.71	15.80				
15	256QAM	1	37	15.76	15.56	15.69	15.54				
15	256QAM	1	74	15.63	15.62	15.67	15.71				
15	256QAM	36	0	15.69	15.36	15.45	15.43	17	5		
15	256QAM	36	20	15.53	15.31	15.38	15.34				
15	256QAM	36	39	15.49	15.34	15.43	15.39				
15	256QAM	75	0	15.44	15.54	15.54	15.47				
Channel											
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	20.78	20.68	20.66	20.56	22	0		
10	QPSK	1	25	20.57	20.46	20.53	20.50				
10	QPSK	1	49	20.58	20.42	20.43	20.32				
10	QPSK	25	0	19.82	19.62	19.49	19.72				
10	QPSK	25	12	19.56	19.43	19.43	19.55	21	1		
10	QPSK	25	25	19.45	19.46	19.49	19.45				
10	QPSK	50	0	19.70	19.57	19.67	19.67				
10	16QAM	1	0	20.07	19.92	19.86	19.86				
10	16QAM	1	25	19.94	19.74	19.92	19.78	21	1		
10	16QAM	1	49	20.04	19.87	19.71	19.82				
10	16QAM	25	0	18.54	18.53	18.60	18.60				
10	16QAM	25	12	18.64	18.44	18.56	18.41				
10	16QAM	25	25	18.48	18.57	18.42	18.43	20	2		
10	16QAM	50	0	18.44	18.41	18.61	18.46				
10	64QAM	1	0	19.99	18.79	18.75	18.83				
10	64QAM	1	25	18.82	18.81	18.65	18.76				
10	64QAM	1	49	18.81	18.74	18.73	18.72	20	2		
10	64QAM	25	0	17.66	17.47	17.49	17.41				
10	64QAM	25	12	17.53	17.39	17.39	17.42				
10	64QAM	25	25	17.46	17.47	17.61	17.34				
10	64QAM	50	0	17.55	17.45	17.55	17.44	19	3		
10	256QAM	1	0	15.85	15.80	15.66	15.83				
10	256QAM	1	25	15.61	15.60	15.59	15.63				
10	256QAM	1	49	15.68	15.80	15.70	15.78				
10	256QAM	25	0	15.58	15.46	15.54	15.42	17	5		
10	256QAM	25	12	15.51	15.33	15.36	15.27				
10	256QAM	25	25	15.47	15.36	15.41	15.45				
10	256QAM	50	0	15.49	15.48	15.60	15.47				
Channel											
Frequency (MHz)				56265	56810	56170	56715	Tune-up limit (dBm)	MPR (dB)		
Channel				3552.5	3607	3543	3607.5				
5	QPSK	1	0	20.79	20.69	20.73	20.55	22	0		
5	QPSK	1	12	20.60	20.44	20.44	20.57				
5	QPSK	1	24	20.58	20.40	20.43	20.32				
5	QPSK	12	0	19.81	19.63	19.57	19.71				
5	QPSK	12	7	19.55	19.54	19.44	19.54	21	1		
5	QPSK	12	13	19.51	19.44	19.42	19.46				
5	QPSK	25	0	19.75	19.61	19.72	19.63				
5	16QAM	1	0	20.07	19.97	19.85	19.90				
5	16QAM	1	12	19.98	19.77	19.87	19.80	21	1		
5	16QAM	1	24	20.07	19.84	19.75	19.88				
5	16QAM	12	0	18.64	18.42	18.54	18.57				
5	16QAM	12	7	18.61	18.50	18.52	18.47				
5	16QAM	12	13	18.43	18.53	18.39	18.47	20	2		
5	16QAM	25	0	18.45	18.43	18.53	18.53				
5	64QAM	1	0	18.90	18.82	18.78	18.87				
5	64QAM	1	12	18.91	18.73	18.65	18.78				
5	64QAM	1	24	18.75	18.72	18.72	18.81	20	2		
5	64QAM	12	0	17.59	17.46	17.58	17.40				
5	64QAM	12	7	17.52	17.43	17.46	17.33				
5	64QAM	12	13	17.48	17.42	17.59	17.37				
5	64QAM	25	0	17.49	17.47	17.46	17.37	19	3		
5	256QAM	1	0	15.79	15.75	15.74	15.76				
5	256QAM	1		12	15.82	15.59	15.58	15.59	17	5	
5	256QAM	1	24	15.68	15.54	15.62	15.56				
5	256QAM	12	0	15.68	15.57	15.46	15.44				
5	256QAM	12	11	15.55	15.31	15.35	15.26				
5	256QAM	12	13	15.43	15.33	15.51	15.41	17	5		
5	256QAM	25	0	15.43	15.55	15.55	15.51				

Reduced Power Mode for ECI2

GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8	824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	824.2	836.4	848.8		
GSM 1 Tx slot	32.02	31.98	31.84	33.50	23.02	22.98	22.94	24.50
GPRS 1 Tx slot	32.01	32.02	31.91	33.50	23.01	23.02	22.91	24.50
GPRS 2 Tx slots	31.22	31.23	31.16	32.50	25.22	25.23	25.16	26.50
GPRS 3 Tx slots	29.41	29.42	29.33	30.50	25.15	25.16	25.07	26.24
GPRS 4 Tx slots	28.20	28.25	28.13	29.50	25.20	25.25	25.13	26.50
EDGE 1 Tx slot	26.38	26.43	26.45	27.50	17.38	17.43	17.45	18.50
EDGE 2 Tx slots	25.14	25.23	25.37	26.50	19.14	19.23	19.37	20.50
EDGE 3 Tx slots	22.91	22.98	23.07	24.00	18.85	18.72	18.81	19.74
EDGE 4 Tx slots	21.58	21.66	21.69	22.50	18.56	18.66	18.69	19.50

GSM1900 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8	1850.2	1860	1909.8		
Frequency (MHz)	1850.2	1860	1909.8	1850.2	1860	1909.8		
GSM 1 Tx slot	28.85	28.84	29.01	30.50	19.85	19.84	20.01	21.50
GPRS 1 Tx slot	28.85	28.86	28.99	30.50	19.85	19.86	19.99	21.50
GPRS 2 Tx slots	28.23	28.21	28.35	29.50	22.23	22.21	22.35	23.50
GPRS 3 Tx slots	26.55	26.46	26.65	27.50	22.29	22.20	22.39	23.24
GPRS 4 Tx slots	25.44	25.36	25.54	26.50	22.44	22.36	22.54	23.50
EDGE 1 Tx slot	25.62	25.48	25.70	26.50	16.62	16.48	16.70	17.50
EDGE 2 Tx slots	24.47	24.31	24.52	25.50	18.47	18.31	18.52	19.50
EDGE 3 Tx slots	22.24	22.06	22.39	23.00	17.98	17.80	18.13	18.74
EDGE 4 Tx slots	21.04	20.77	20.99	22.00	18.04	17.77	17.99	19.00

Band	WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			Tune-up Limit (dBm)	WCDMA V Ant 0			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1860	1907.6		1742.4	1752.5	1762.6		2062.4	2074	2086	
3GPP Rel 99	23.00	23.21	23.21	24.00	22.76	23.02	23.99	24.00	23.09	23.38	23.36	24.00
3GPP Rel 99	RMC 12.2Kbps	23.04	23.42	23.27	24.00	22.90	23.23	23.18	24.00	23.22	23.53	23.45
3GPP Rel 6	HSDPA Subtest-1	22.22	22.22	22.27	23.00	21.99	22.05	22.08	23.00	22.29	22.44	22.39
3GPP Rel 6	HSDPA Subtest-2	22.24	22.29	22.28	23.00	22.00	22.16	22.08	23.00	22.29	22.43	22.44
3GPP Rel 6	HSDPA Subtest-3	21.70	21.87	21.69	22.50	21.68	21.74	21.47	22.50	21.90	21.95	21.87
3GPP Rel 6	HSDPA Subtest-4	21.64	21.82	21.75	22.50	21.55	21.66	21.49	22.50	21.84	21.91	21.89
3GPP Rel 6	DCHSDPA Subtest-1	22.28	22.17	22.23	23.00	22.06	22.08	22.00	23.00	22.36	22.33	22.31
3GPP Rel 6	DCHSDPA Subtest-2	22.16	22.20	22.12	23.00	21.98	21.95	22.00	23.00	22.26	22.32	22.30
3GPP Rel 6	DCHSDPA Subtest-3	21.64	21.80	21.63	22.50	21.56	21.53	21.43	22.50	21.83	21.89	21.78
3GPP Rel 6	DCHSDPA Subtest-4	21.53	21.75	21.59	22.50	21.38	21.67	21.42	22.50	21.76	21.84	21.77
3GPP Rel 6	HSUPA Subtest-1	22.04	22.25	22.22	23.00	21.85	22.05	22.02	23.00	22.25	22.40	22.34
3GPP Rel 6	HSUPA Subtest-2	20.23	20.29	20.17	21.00	20.02	20.13	20.05	21.00	20.35	20.48	20.36
3GPP Rel 6	HSUPA Subtest-3	21.21	21.43	21.29	22.00	21.08	21.27	20.98	22.00	21.35	21.58	21.37
3GPP Rel 6	HSUPA Subtest-4	20.05	20.26	20.17	21.00	19.84	20.10	20.00	21.00	20.16	20.41	20.30
3GPP Rel 6	HSUPA Subtest-5	22.00	22.21	22.27	23.00	21.84	22.04	22.09	23.00	22.16	22.32	22.43
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.72	19.81	19.89	20.50	19.52	19.60	19.73	20.50	19.96	19.93	20.04



Band 14 Ant 0										
Ref	Power	Modulation	RB Size	RB Config	Power (mW)	Power (mW) Ch. 1	Power (mW) Ch. 2	Power (mW) Ch. 3	Transmit Rate (Mbps)	MPR (dB)
Channel										
Channel (MHz)										
0	QPSK	1	0		22.74	22.74				
0	QPSK	1	0		22.68	22.68			24	0
0	QPSK	1	25		21.90	21.90				
0	QPSK	1	0		21.79	21.79				
0	QPSK	1	25		21.67	21.67			23	
0	QPSK	1	0		21.55	21.55				
0	QPSK	1	0		21.73	21.73				
0	QPSK	1	0		22.03	22.03			23	1
0	QPSK	1	25		22.05	22.05				
0	QPSK	1	49		22.09	22.09				
0	QPSK	1	25		22.70	22.70				
0	QPSK	1	0		22.62	22.62			22	2
0	QPSK	1	25		22.54	22.54				
0	QPSK	1	50		22.56	22.56				
0	QPSK	1	25		22.96	22.96				
0	QPSK	1	25		22.50	22.50			22	2
0	QPSK	1	25		22.80	22.80				
0	QPSK	1	49		23.93	23.93				
0	QPSK	1	25		23.67	23.67			21	3
0	QPSK	1	25		19.48	19.48				
0	QPSK	1	25		19.54	19.54				
0	QPSK	1	0		17.86	17.86				
0	QPSK	1	25		17.76	17.76			19	5
0	QPSK	1	25		17.78	17.78				
0	QPSK	1	25		17.69	17.69				
0	QPSK	1	25		17.58	17.58			19	5
0	QPSK	1	0		17.56	17.56				
Channel										
Channel (MHz)										
5	QPSK	1	0		22.68	22.62	22.62			
5	QPSK	1	12		22.63	22.54	22.62		24	0
5	QPSK	1	25		21.90	21.91	21.91			
5	QPSK	1	0		21.84	21.64	21.64			
5	QPSK	1	12		21.56	21.62	21.61		23	1
5	QPSK	1	25		21.45	21.42	21.43			
5	QPSK	1	0		21.59	21.60	21.57			
5	QPSK	1	0		21.94	21.92	21.88			
5	QPSK	1	24		21.93	22.01	21.85		23	1
5	QPSK	1	24		21.95	22.02	21.94			
5	QPSK	1	12		20.88	20.56	20.60			
5	QPSK	1	24		20.87	20.52	20.53		22	2
5	QPSK	1	12		20.39	20.43	20.45			
5	QPSK	1	25		20.47	20.44	20.51			
5	QPSK	1	0		20.80	20.80	20.82			
5	QPSK	1	12		20.81	20.81	20.80		22	2
5	QPSK	1	24		20.68	20.71	20.67			
5	QPSK	1	24		20.67	20.73	20.66			
5	QPSK	1	12		19.42	19.48	19.45		21	3
5	QPSK	1	12		19.32	19.36	19.35			
5	QPSK	1	24		19.48	19.48	19.48			
5	QPSK	1	0		17.76	17.75	17.75			
5	QPSK	1	12		17.62	17.65	17.61		19	5
5	QPSK	1	24		17.65	17.65	17.64			
5	QPSK	1	12		17.45	17.52	17.48		19	5
5	QPSK	1	24		17.46	17.51	17.54			
5	QPSK	1	0		17.40	17.41	17.40			

Band 17 Ant 0									
IR (MHz)	Modulation	RR BS	RR CTR	Power Ch. Freq 29760	Power Ch. Freq 29790	Power Ch. Freq 29820	Tuneup Int. (dB)	MFR (dB)	
Frequency (MHz)									
10	QPSK	1	0	23.79	22.83	22.70			
10	QPSK	1	26	23.83	22.87	22.68		24	0
10	QPSK	1	26	23.85	22.89	22.70			
10	QPSK	25	0	21.84	21.65	21.48			
10	QPSK	25	12	21.66	21.74	21.70		23	
10	QPSK	25	12	21.68	21.72	21.70			
10	QPSK	50	0	21.80	21.61	21.70			
10	HSKAM	1	0	22.03	22.18	22.00		23	1
10	HSKAM	1	26	22.07	22.12	22.07			
10	HSKAM	1	49	21.92	22.09	21.94		23	1
10	HSKAM	25	0	20.73	20.81	20.64			
10	HSKAM	25	12	20.67	20.79	20.65		22	2
10	HSKAM	25	25	20.56	20.56	20.56			
10	HSKAM	50	0	20.63	20.65	20.66			
10	HSKAM	50	12	20.54	20.59	20.57		22	2
10	HSKAM	1	26	20.86	21.04	20.57			
10	HSKAM	1	49	20.85	20.88	20.83			
10	HSKAM	25	12	19.73	19.73	19.69		21	3
10	HSKAM	25	12	19.83	19.67	19.59			
10	HSKAM	25	25	19.62	19.56	19.61		19	5
10	HSKAM	50	0	19.68	19.62	19.68			
10	HSKAM	1	0	17.81	17.67	17.67			
10	HSKAM	1	26	17.82	17.91	17.71		19	5
10	HSKAM	1	49	17.80	17.78	17.89			
10	HSKAM	25	0	17.66	17.71	17.61			
10	HSKAM	25	12	17.59	17.59	17.62		19	5
10	HSKAM	25	25	17.52	17.52	17.52			
10	HSKAM	50	0	17.66	17.73	17.67			
Frequency (MHz)									
5	QPSK	1	0	22.68	22.69	22.63			
5	QPSK	1	22	22.64	22.57	22.63		24	0
5	QPSK	1	22	22.65	22.55	22.63			
5	QPSK	12	0	21.72	21.80	21.70			
5	QPSK	12	7	21.81	21.69	21.58		23	1
5	HSKAM	1	0	22.68	22.69	22.63			
5	HSKAM	1	24	21.80	22.04	21.97		23	1
5	HSKAM	1	24	21.85	22.05	21.98			
5	HSKAM	1	24	21.85	22.00	21.95			
5	HSKAM	12	0	20.67	20.68	20.54			
5	HSKAM	12	13	20.41	20.67	20.52		23	1
5	HSKAM	12	13	20.41	20.58	20.54			
5	HSKAM	25	0	20.99	20.91	20.93			
5	HSKAM	25	12	20.93	20.87	20.93		22	2
5	HSKAM	1	24	20.24	20.75	20.81			
5	HSKAM	12	7	19.33	19.61	19.52		21	3
5	HSKAM	12	13	19.55	19.48	19.48			
5	HSKAM	12	13	19.55	19.48	19.48			
5	HSKAM	1	0	17.71	17.92	17.80			
5	HSKAM	1	12	17.89	17.82	17.86		19	5
5	HSKAM	12	0	17.68	17.68	17.68			
5	HSKAM	12	0	17.68	17.62	17.54			
5	HSKAM	12	7	17.46	17.46	17.37		19	5
5	HSKAM	12	13	17.46	17.46	17.37			
5	HSKAM	1	0	17.51	17.65	17.57		19	5

[illegible]



Band 26 for FCC Ant 0													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	APR3 (dB)					
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.55	22.64	22.61			24	0			
15	QPSK	1	3	22.45	22.44	22.45							
15	QPSK	1	74	22.40	22.43	22.32			23	1			
15	QPSK	36	0	21.63	21.73	21.54							
15	QPSK	36	26	21.46	21.56	21.37			23	1			
15	QPSK	36	39	21.34	21.43	21.47							
15	QPSK	75	0	21.58	21.62	21.60			23	1			
15	16QAM	1	0	21.82	21.84	21.86							
15	16QAM	1	37	21.74	21.85	21.81			22	2			
15	16QAM	1	74	21.79	21.84	21.69							
15	16QAM	36	0	20.41	20.50	20.32			21	3			
15	16QAM	36	20	20.44	20.53	20.47							
15	16QAM	36	39	20.39	20.49	20.36			19	5			
15	16QAM	75	0	20.37	20.41	20.39							
15	64QAM	1	0	20.77	20.84	20.77			22	2			
15	64QAM	1	37	20.70	20.76	20.62							
15	64QAM	1	74	20.68	20.73	20.65			21	3			
15	64QAM	36	0	19.45	19.56	19.42							
15	64QAM	36	20	19.35	19.47	19.34			19	5			
15	64QAM	36	39	19.31	19.36	19.40							
15	64QAM	75	0	19.38	19.50	19.42			19	5			
15	256QAM	1	37	17.57	17.67	17.63							
15	256QAM	1	74	17.63	17.66	17.58			19	5			
15	256QAM	36	0	17.43	17.58	17.58							
15	256QAM	36	20	17.35	17.41	17.34			19	5			
15	256QAM	36	39	17.34	17.42	17.39							
15	256QAM	75	0	17.36	17.45	17.32							
Channel													
Frequency (MHz)													
15	QPSK	1	0	22.55	22.42	22.49			24	0			
15	QPSK	1	26	22.48	22.49	22.33							
15	QPSK	1	49	22.32	22.33	22.28			23	1			
15	QPSK	26	0	21.62	21.49	21.47							
15	QPSK	26	12	21.45	21.41	21.33			23	1			
15	QPSK	26	26	21.32	21.22	21.33							
15	QPSK	50	0	21.65	21.69	21.56			23	1			
15	16QAM	1	0	21.82	21.87	21.75							
15	16QAM	1	26	21.83	21.84	21.75			22	2			
15	16QAM	1	49	21.79	21.82	21.68							
15	16QAM	26	0	20.40	20.34	20.46			21	3			
15	16QAM	26	12	20.46	20.34	20.37							
15	16QAM	26	26	20.35	20.29	20.38			19	5			
15	16QAM	50	0	20.35	20.29	20.34							
15	64QAM	1	0	20.68	20.63	20.68			22	2			
15	64QAM	1	26	20.68	20.63	20.68							
15	64QAM	1	49	20.58	20.57	20.53			21	3			
15	64QAM	26	0	19.42	19.30	19.37							
15	64QAM	26	12	19.34	19.24	19.28			19	5			
15	64QAM	26	26	19.20	19.23	19.33							
15	64QAM	50	0	19.35	19.31	19.28			19	5			
15	256QAM	1	26	17.59	17.44	17.59							
15	256QAM	1	49	17.68	17.56	17.49			19	5			
15	256QAM	26	0	17.45	17.54	17.53							
15	256QAM	26	12	17.29	17.29	17.29			19	5			
15	256QAM	26	26	17.34	17.21	17.34							
15	256QAM	50	0	17.36	17.24	17.32							
Channel													
Frequency (MHz)													
5	QPSK	1	0	22.63	22.45	22.47			24	0			
5	QPSK	1	12	22.43	22.29	22.40							
5	QPSK	1	24	22.34	22.25	22.21			23	1			
5	QPSK	12	0	21.62	21.51	21.47							
5	QPSK	12	7	21.51	21.42	21.29			23	1			
5	QPSK	12	13	21.33	21.20	21.37							
5	16QAM	1	0	21.85	21.68	21.71			23	1			
5	16QAM	1	12	21.80	21.68	21.72							
5	16QAM	1	24	21.71	21.61	21.68			22	2			
5	16QAM	12	0	20.47	20.32	20.47							
5	16QAM	12	7	20.47	20.39	20.34			21	3			
5	16QAM	12	14	20.35	20.38	20.27							
5	16QAM	25	0	20.40	20.29	20.39			22	2			
5	64QAM	1	0	20.69	20.63	20.71							
5	64QAM	1	12	20.61	20.62	20.63			21	3			
5	64QAM	1	24	20.64	20.62	20.63							
5	64QAM	12	0	19.42	19.29	19.27			19	5			
5	64QAM	12	7	19.37	19.28	19.26							
5	64QAM	12	13	19.23	19.23	19.31			19	5			
5	64QAM	25	0	19.42	19.25	19.33							
5	256QAM	1	0	17.67	17.58	17.62			19	5			
5	256QAM	1	12	17.58	17.47	17.62							
5	256QAM	1	24	17.68	17.54	17.53			19	5			
5	256QAM	12	0	17.48	17.34	17.34							
5	256QAM	12	7	17.30	17.28	17.32			19	5			
5	256QAM	12	13	17.41	17.27	17.35							
5	256QAM	25	0	17.37	17.27	17.28							
Channel													
Frequency (MHz)													
3	QPSK	1	0	22.63	22.45	22.47			24	0			
3	QPSK	1	8	22.47	22.34	22.33							
3	QPSK	1	14	22.34	22.30	22.29			23	1			
3	QPSK	8	0	21.63	21.52	21.46							
3	QPSK	8	4	21.43	21.36	21.29			23	1			
3	QPSK	8	7	21.29	21.18	21.32							
3	16QAM	1	0	21.85	21.45	21.46			23	1			
3	16QAM	1	8	21.80	21.72	21.75							
3	16QAM	1	14	21.65	21.75	21.72			22	2			
3	16QAM	8	0	20.46	20.35	20.36							
3	16QAM	8	4	20.44	20.39	20.35			21	3			
3	16QAM	8	7	20.35	20.29	20.25							
3	16QAM	15	0	20.36	20.32	20.33			22	2			
3	64QAM	1	0	20.75	20.70	20.73							
3	64QAM	1	8	20.67	20.62	20.53			21	3			
3	64QAM	1	14	20.58	20.58	20.54							
3	64QAM	8	0	19.45	19.31	19.29			19	5			
3	64QAM	8	4	19.36	19.23	19.20							
3	64QAM	8	7	19.25	19.18	19.31			19	5			
3	64QAM	15	0	19.40	19.25	19.36							
3	256QAM	1	0	17.61	17.56	17.56			19	5			
3	256QAM	1	8	17.60	17.42	17.53							
3	256QAM	1	14	17.58	17.48	17.53			19	5			
3	256QAM	8	0	17.46	17.33	17.26							
3	256QAM	8	4	17.25	17.29	17.23			19	5			
3	256QAM	8	7	17.39	17.31	17.33							
3	256QAM	15	0	17.40	17.34	17.38							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	22.52	22.45	22.45			24	0			
1.4	QPSK	1	3	22.47	22.31	22.35							
1.4	QPSK	1	5	22.29	22.31	22.16			23	1			
1.4	QPSK	3	0	22.47	22.37	22.41							
1.4	QPSK	3	1	22.35	22.19	22.07			23	1			
1.4	QPSK	3	3	22.20	22.19	22.05							
1.4	QPSK	15	0	21.57	21.43	21.39			23	1			
1.4	16QAM	1	0	21.87	21.72	21.72							
1.4	16QAM	1	3	21.79	21.61	21.66			22				

Band		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4367	4407	4458	
Frequency (MHz)		1823.4	1860	1907.5		1712.4	1722.5	1752.6		432.4	436.4	440.6	
3GPP Rel 99	AMR 12.2Kbps	15.59	15.87	15.80	16.60	16.49	16.95	16.89	18.00	22.89	23.24	23.23	23.60
3GPP Rel 99	RMC 12.2Kbps	15.64	15.96	15.89	16.60	16.70	16.97	16.83	18.00	23.08	23.37	23.26	23.60
3GPP Rel 6	HSDPA Subtest-1	14.82	14.89	14.91	15.60	15.79	15.99	15.83	17.00	22.13	22.31	22.20	22.60
3GPP Rel 6	HSDPA Subtest-2	14.85	14.96	14.96	15.60	15.83	15.86	15.81	17.00	22.19	22.29	22.24	22.60
3GPP Rel 6	HSDPA Subtest-3	14.45	14.58	14.24	15.10	15.29	15.49	15.47	16.50	21.71	21.82	21.78	22.10
3GPP Rel 6	HSDPA Subtest-4	14.32	14.51	14.39	15.10	15.28	15.42	15.32	16.50	21.70	21.77	21.69	22.10
3GPP Rel 6	DC-HSDPA Subtest-1	14.96	14.90	14.93	15.60	15.75	15.78	15.77	17.00	22.17	22.16	22.14	23.60
3GPP Rel 6	DC-HSDPA Subtest-2	14.82	14.88	14.68	15.60	15.76	15.68	15.78	17.00	22.10	22.15	22.14	22.60
3GPP Rel 6	DC-HSDPA Subtest-3	14.37	14.45	14.23	15.10	15.36	15.44	15.27	16.50	21.66	21.79	21.67	23.10
3GPP Rel 6	DC-HSDPA Subtest-4	14.11	14.35	14.17	15.10	15.22	15.29	15.24	16.50	21.64	21.71	21.64	23.10
3GPP Rel 6	HSUPA Subtest-1	14.63	14.95	14.88	15.60	15.73	16.00	15.84	17.00	22.11	22.31	22.17	22.60
3GPP Rel 6	HSUPA Subtest-2	12.82	12.92	12.91	13.60	13.91	13.90	13.85	15.00	20.22	20.31	20.25	21.60
3GPP Rel 6	HSUPA Subtest-3	13.76	14.11	13.97	14.60	14.78	15.11	14.87	16.00	21.20	21.40	21.27	22.60
3GPP Rel 6	HSUPA Subtest-4	12.66	12.85	12.91	13.60	13.68	13.96	13.83	15.00	20.03	20.25	20.19	21.60
3GPP Rel 6	HSUPA Subtest-5	14.59	14.90	14.85	15.60	15.56	15.88	15.89	17.00	21.98	22.18	22.26	23.60
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.36	12.43	12.56	13.10	13.47	13.41	13.61	14.50	19.77	19.79	19.94	21.10



Band 26 for FCC Ant 1														
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	MPE (dB)						
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.56	22.62	22.50	23.7	0						
15	QPSK	1	37	22.47	22.48	22.41								
15	QPSK	1	74	22.34	22.45	20.38								
15	QPSK	36	0	21.58	21.73	21.57								
15	QPSK	36	25	21.40	21.47	21.39	23	0.7						
15	QPSK	36	39	21.37	21.49	21.36								
15	QPSK	75	0	21.49	21.65	21.55								
15	16QAM	1	0	21.85	21.86	21.87								
15	16QAM	1	37	21.75	21.87	21.70	23	0.7						
15	16QAM	1	74	21.70	21.88	21.78								
15	16QAM	36	0	20.51	20.58	20.44								
15	16QAM	36	20	20.45	20.51	20.44								
15	16QAM	36	39	20.38	20.41	20.35	22	1.7						
15	16QAM	75	0	20.50	20.42	20.41								
15	64QAM	1	0	20.74	20.81	20.82								
15	64QAM	1	37	20.59	20.89	20.74								
15	64QAM	1	74	20.62	20.64	20.70	21	2.7						
15	64QAM	36	0	19.45	19.50	19.35								
15	64QAM	36	20	19.39	19.50	19.35								
15	64QAM	36	39	19.37	19.38	19.33								
15	64QAM	75	0	19.38	19.45	19.39	19	4.7						
15	256QAM	1	37	17.59	17.63	17.59								
15	256QAM	1	74	17.61	17.64	17.64								
15	256QAM	36	0	17.38	17.53	17.39								
15	256QAM	36	20	17.37	17.43	17.29	19	4.7						
15	256QAM	36	39	17.32	17.45	17.35								
15	256QAM	75	0	17.38	17.45	17.35								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.59	22.52	22.49	23.7	0						
15	QPSK	1	28	22.35	22.36	22.31								
15	QPSK	1	49	22.39	22.33	22.32								
15	QPSK	25	0	21.72	21.52	21.52								
15	QPSK	25	12	21.47	21.31	21.35	23	0.7						
15	QPSK	25	28	21.38	21.32	21.29								
15	QPSK	50	0	21.64	21.49	21.47								
15	16QAM	1	0	21.91	21.75	21.85								
15	16QAM	1	28	21.81	21.72	21.64	23	0.7						
15	16QAM	1	49	21.83	21.77	21.68								
15	16QAM	25	0	20.55	20.42	20.40								
15	16QAM	25	12	20.50	20.33	20.37								
15	16QAM	25	28	20.36	20.38	20.31	22	1.7						
15	16QAM	50	0	20.34	20.41	20.38								
15	64QAM	1	0	20.78	20.64	20.78								
15	64QAM	1	28	20.64	20.70	20.72								
15	64QAM	1	49	20.54	20.50	20.52	21	2.7						
15	64QAM	25	0	19.42	19.37	19.37								
15	64QAM	25	12	19.37	19.37	19.37								
15	64QAM	25	28	19.30	19.32	19.35								
15	64QAM	50	0	19.40	19.33	19.37	19	4.7						
15	256QAM	1	0	17.56	17.56	17.56								
15	256QAM	1	28	17.56	17.57	17.59								
15	256QAM	1	49	17.68	17.59	17.64								
15	256QAM	36	0	17.62	17.36	17.37	19	4.7						
15	256QAM	36	12	17.34	17.34	17.35								
15	256QAM	36	28	17.40	17.35	17.34								
15	256QAM	50	0	17.38	17.38	17.31								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.52	22.48	22.48	23.7	0						
5	QPSK	1	12	22.35	22.44	22.33								
5	QPSK	1	24	22.37	22.23	22.33								
5	QPSK	12	0	21.70	21.50	21.54								
5	QPSK	12	7	21.41	21.31	21.35	23	0.7						
5	QPSK	12	13	21.38	21.37	21.36								
5	QPSK	25	0	21.64	21.49	21.47								
5	16QAM	1	0	21.84	21.78	21.79								
5	16QAM	1	12	21.87	21.72	21.68	23	0.7						
5	16QAM	1	24	21.85	21.68	21.75								
5	16QAM	12	0	20.51	20.40	20.42								
5	16QAM	12	7	20.40	20.35	20.32								
5	16QAM	12	13	20.35	20.38	20.31	22	1.7						
5	16QAM	25	0	20.36	20.45	20.30								
5	64QAM	1	0	20.76	20.64	20.79								
5	64QAM	1	12	20.73	20.57	20.68								
5	64QAM	1	24	20.58	20.53	20.62	21	2.7						
5	64QAM	12	0	19.48	19.40	19.30								
5	64QAM	12	7	19.47	19.35	19.35								
5	64QAM	12	13	19.30	19.36	19.24								
5	64QAM	25	0	19.37	19.29	19.31	19	4.7						
5	256QAM	1	0	17.61	17.61	17.62								
5	256QAM	1	12	17.62	17.57	17.68								
5	256QAM	1	24	17.62	17.58	17.61								
5	256QAM	12	0	17.41	17.36	17.35	19	4.7						
5	256QAM	12	7	17.38	17.26	17.38								
5	256QAM	12	13	17.46	17.31	17.23								
5	256QAM	25	0	17.38	17.37	17.28								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.59	22.55	22.45	23.7	0						
3	QPSK	1	8	22.35	22.43	22.37								
3	QPSK	1	14	22.42	22.29	22.37								
3	QPSK	8	0	21.61	21.50	21.55								
3	QPSK	8	7	21.43	21.34	21.39	23	0.7						
3	QPSK	8	7	21.45	21.27	21.31								
3	QPSK	15	0	21.53	21.39	21.50								
3	16QAM	1	0	21.93	21.84	21.86								
3	16QAM	1	8	21.86	21.69	21.61	23	0.7						
3	16QAM	1	14	21.88	21.58	21.68								
3	16QAM	8	0	20.47	20.48	20.37								
3	16QAM	8	4	20.43	20.43	20.32								
3	16QAM	8	7	20.38	20.37	20.30	22	1.7						
3	64QAM	1	0	20.74	20.63	20.78								
3	64QAM	1	8	20.74	20.50	20.73								
3	64QAM	1	14	20.56	20.57	20.89								
3	64QAM	8	0	19.43	19.36	19.31	21	2.7						
3	64QAM	8	4	19.47	19.29	19.29								
3	64QAM	8	7	19.31	19.32	19.31								
3	64QAM	15	0	19.44	19.33	19.34								
3	256QAM	1	0	17.71	17.68	17.68	19	4.7						
3	256QAM	1	8	17.60	17.55	17.54								
3	256QAM	1	14	17.61	17.57	17.57								
3	256QAM	8	0	17.42	17.36	17.36								
3	256QAM	8	7	17.39	17.33	17.30	19	4.7						
3	256QAM	8	7	17.43	17.29	17.35								
3	256QAM	15	0	17.43	17.43	17.31								
Channel														
Frequency (MHz)														
14	QPSK	1	0	22.59	22.55	22.45	23.7	0						
14	QPSK	1	3	22.35	22.43	22.41								
14	QPSK	1	5	22.34	22.26	22.31								
14	QPSK	1	22	22.39	22.33	22.32								
14	QPSK	3	0	22.34	22.43	22.28	23	0.7						
14	QPSK	3	3	22.34	22.24	22.25								
14	QPSK	1	0	21.84	21.79	21.77								
14	16QAM	1	3	21.78	21.67	21.68								
14	16QAM	1	5	21.77	21.66	21.67	23	0.7						
14	16QAM	1	22	21.82	21.76	21.77								
14	16QAM	3	0	21.87	21.75	21.77								
14	16QAM	3	1	21.70	21.57	21.65								
14	16QAM	3	3	21.77	21.67	21.67	22	1.7						
14	16QAM	6	0	20.39	20.41	20.32								
14	16QAM	6	3	20.40	20.72	20.71								
14	16QAM	6	22	20.59	20.52	20.52								
14	16QAM	6	3	20.57	20.56	20.66	21	2.7						
14	16QAM	3	0	20.74	20.49	20.68								
14	16QAM	3	3	20.49	20.58	20.68								
14	16QAM	3	22	20.50	20.47	20.56								
14	16QAM	6	0	19.44	19.37	19.32	19	2.7						
14	16QAM	6	3	19.45	19.28	19.37								
14	16QAM	6	22	19.58	19.50	19.47								
14	256QAM	1	3	17.51	17.58	17.48								
14	256QAM	1	5	17.56	17.50	17.58	19	4.7						
14	256QAM	1	22	17.52	17.32	17.37								
14	256QAM	3	0	17.34	17.34	17.23								
14	256QAM	3	3	17.45	17.28	17.35								
14	256QAM	3	22	17.32	17.32	17.20	19	4.7						
14	256QAM	6	0	17.45	17.28	17.35								
14	256QAM	6	3	17.45	17.28	17.35								
14	256QAM	6	22	17.32	17.32	17.20								

Band 71 Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	21.51	21.75	21.64	21.8	0				
20	QPSK	1	49	21.59	21.61	21.65						
20	QPSK	1	99	21.55	21.69	21.61						
20	QPSK	50	0	21.37	21.61	21.68						
20	QPSK	50	24	21.55	21.42	21.46	21.8	0				
20	QPSK	50	50	21.54	21.45	21.50						
20	QPSK	100	0	21.52	21.41	21.50						
20	16QAM	1	0	21.39	21.32	21.40						
20	16QAM	1	49	21.50	21.38	21.42	21.8	0				
20	16QAM	1	99	21.09	21.09	21.22						
20	16QAM	50	0	20.42	20.50	20.35						
20	16QAM	50	24	20.34	20.49	20.34						
20	16QAM	50	50	20.30	20.41	20.31	21.8	0				
20	16QAM	100	0	20.37	20.39	20.32						
20	64QAM	1	0	20.61	20.71	20.72						
20	64QAM	1	49	20.59	20.76	20.72						
20	64QAM	1	99	20.49	20.64	20.66	21	0.8				
20	64QAM	50	0	19.36	19.34	19.24						
20	64QAM	50	24	19.40	19.27	19.34						
20	64QAM	50	50	19.36	19.29	19.25						
20	64QAM	100	0	19.36	19.39	19.25	19	2.8				
20	256QAM	1	0	17.56	17.68	17.68						
20	256QAM	1	49	17.61	17.59	17.64						
20	256QAM	1	99	17.55	17.57	17.61						
20	256QAM	50	0	17.28	17.42	17.37	19	2.8				
20	256QAM	50	24	17.24	17.38	17.21						
20	256QAM	50	50	17.35	17.33	17.22						
20	256QAM	100	0	17.26	17.40	17.24						
Channel												
Frequency (MHz)												
15	QPSK	1	0	21.26	21.60	21.59	21.8	0				
15	QPSK	1	37	21.45	21.55	21.57						
15	QPSK	1	74	21.47	21.47	21.46						
15	QPSK	36	0	21.27	21.51	21.42						
15	QPSK	36	20	21.48	21.28	21.34	21.8	0				
15	QPSK	36	39	21.40	21.39	21.39						
15	QPSK	75	0	21.21	21.29	21.21						
15	16QAM	1	0	21.29	21.17	21.33						
15	16QAM	1	37	21.34	21.26	21.26	21.8	0				
15	16QAM	1	74	21.00	21.04	21.15						
15	16QAM	36	0	20.32	20.39	20.32						
15	16QAM	36	20	20.31	20.45	20.28						
15	16QAM	36	39	20.25	20.31	20.23	21.8	0				
15	16QAM	75	0	20.34	20.37	20.24						
15	64QAM	1	0	20.60	20.59	20.62						
15	64QAM	1	37	20.54	20.65	20.65						
15	64QAM	1	74	20.47	20.55	20.55	21	0.8				
15	64QAM	36	0	19.31	19.38	19.33						
15	64QAM	36	20	19.36	19.26	19.34						
15	64QAM	36	39	19.35	19.15	19.15						
15	64QAM	75	0	19.35	19.35	19.17	19	2.8				
15	256QAM	1	0	17.54	17.50	17.40						
15	256QAM	1	37	17.58	17.55	17.59						
15	256QAM	1	74	17.48	17.48	17.57						
15	256QAM	36	0	17.50	17.32	17.36	19	2.8				
15	256QAM	36	20	17.23	17.31	17.13						
15	256QAM	36	39	17.31	17.29	17.18						
15	256QAM	75	0	17.34	17.30	17.29						
Channel												
Frequency (MHz)												
10	QPSK	1	0	21.39	21.59	21.69	21.8	0				
10	QPSK	1	25	21.53	21.45	21.57						
10	QPSK	1	49	21.48	21.45	21.37						
10	QPSK	25	0	21.23	21.47	21.42						
10	QPSK	25	12	21.49	21.31	21.32	21.8	0				
10	QPSK	25	25	21.48	21.32	21.40						
10	QPSK	50	0	21.25	21.31	21.39						
10	16QAM	1	0	21.34	21.18	21.27						
10	16QAM	1	25	21.37	21.31	21.36	21.8	0				
10	16QAM	1	49	21.50	21.09	21.18						
10	16QAM	25	0	20.41	20.35	20.33						
10	16QAM	25	12	20.24	20.37	20.22						
10	16QAM	35	25	20.30	20.38	20.33	21.8	0				
10	16QAM	50	0	20.32	20.38	20.30						
10	64QAM	1	0	20.59	20.63	20.61						
10	64QAM	1	25	20.57	20.66	20.70						
10	64QAM	1	49	20.40	20.64	20.65	21	0.8				
10	64QAM	25	0	19.35	19.36	19.32						
10	64QAM	25	12	19.29	19.26	19.22						
10	64QAM	25	25	19.39	19.17	19.12						
10	64QAM	50	0	19.31	19.29	19.16	19	2.8				
10	256QAM	1	0	17.44	17.52	17.55						
10	256QAM	1	25	17.58	17.52	17.54						
10	256QAM	1	49	17.50	17.52	17.58						
10	256QAM	25	0	17.22	17.24	17.28	19	2.8				
10	256QAM	25	12	17.17	17.27	17.18						
10	256QAM	25	25	17.28	17.21	17.16						
10	256QAM	50	0	17.25	17.42	17.25						
Channel												
Frequency (MHz)												
5	QPSK	1	0	21.42	21.52	21.54	21.8	0				
5	QPSK	1	12	21.52	21.53	21.54						
5	QPSK	1	24	21.45	21.46	21.45						
5	QPSK	12	0	21.53	21.45	21.50						
5	QPSK	12	7	21.45	21.27	21.30	21.8	0				
5	QPSK	12	13	21.48	21.36	21.45						
5	QPSK	25	0	21.26	21.36	21.26						
5	16QAM	1	0	21.27	21.20	21.25						
5	16QAM	1	12	21.37	21.22	21.29	21.8	0				
5	16QAM	1	24	20.95	21.03	21.08						
5	16QAM	12	0	20.38	20.44	20.28						
5	16QAM	12	7	20.23	20.43	20.29						
5	16QAM	12	13	20.26	20.34	20.27	21.8	0				
5	16QAM	25	0	20.28	20.30	20.25						
5	64QAM	1	0	20.51	20.66	20.64						
5	64QAM	1	12	20.52	20.71	20.60						
5	64QAM	1	24	20.42	20.55	20.58	21	0.8				
5	64QAM	12	0	19.31	19.38	19.36						
5	64QAM	12	7	19.20	19.27	19.16						
5	64QAM	12	13	19.33	19.17	19.17						
5	64QAM	25	0	19.29	19.26	19.22	19	2.8				
5	256QAM	1	0	17.53	17.57	17.53						
5	256QAM	1	12	17.54	17.49	17.56						
5	256QAM	1	24	17.50	17.47	17.52						
5	256QAM	12	0	17.21	17.20	17.52	19	2.8				
5	256QAM	12	7	17.21	17.28	17.69						
5	256QAM	12	13	17.29	17.26	17.21						
5	256QAM	25	0	17.31	17.35	17.53						



Band 38 Ant 1												
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												
Frequency (MHz)				37465	38050	38150						
Channel				37475	38050	38175	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	0	19.73	19.85	19.73	20.5	0				
20	QPSK	1	49	19.80	19.89	19.82						
20	QPSK	1	89	19.86	19.98	19.92						
20	QPSK	50	0	19.68	19.82	19.71						
20	QPSK	50	24	19.81	19.88	19.72						
20	QPSK	50	49	19.76	19.85	19.80	20.5	0				
20	QPSK	100	0	19.43	19.64	19.43						
20	QPSK	100	1	0	19.66	19.57						
20	QPSK	100	1	49	19.59	19.64						
20	QPSK	100	1	99	19.61	19.59						
20	QPSK	50	24	19.39	19.38	19.41	20.5	0				
20	QPSK	50	49	19.36	19.41	19.38						
20	QPSK	50	50	19.59	19.57	19.59						
20	QPSK	100	0	19.36	19.38	19.38						
20	QPSK	100	1	0	19.52	19.51						
20	QPSK	100	1	49	19.54	19.51	20.5	0				
20	QPSK	100	1	99	19.51	19.41						
20	QPSK	50	24	19.36	19.40	19.33						
20	QPSK	50	49	19.36	19.40	19.33						
20	QPSK	50	50	19.41	19.38	19.52						
20	QPSK	100	0	19.41	19.38	19.52	20.5	0				
20	QPSK	100	1	0	17.79	17.85						
20	QPSK	100	1	49	17.81	17.89						
20	QPSK	100	1	99	17.77	17.83						
20	QPSK	50	0	17.76	17.73	17.76						
20	QPSK	50	24	17.52	17.56	17.40	19	1.5				
20	QPSK	50	49	17.48	17.55	17.51						
20	QPSK	50	50	17.50	17.48	17.50						
20	QPSK	100	0	17.50	17.48	17.50						
20	QPSK	100	1	0	17.65	17.62						
Channel												
Frequency (MHz)				37475	38050	38175	Tune-up limit (dBm)	MPR (dB)				
Channel				37475	38050	38175	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	19.12	19.35	19.73	20.5	0				
15	QPSK	1	37	19.76	19.71	19.81						
15	QPSK	1	74	19.86	19.70	19.73						
15	QPSK	36	0	19.51	19.76	19.66						
15	QPSK	36	20	19.64	19.54	19.66						
15	QPSK	75	0	19.40	19.49	19.39	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50	20.5	0				
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45	19.45	19.50						
15	QPSK	75	0	19.45								

Band 7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.03	23.08	22.96	24	0	
20	QPSK	1	49	22.91	22.89	22.79			
20	QPSK	1	99	22.75	22.92	22.81			
20	QPSK	50	0	21.94	22.11	22.08			
20	QPSK	50	24	21.85	21.93	21.84	23	1	
20	QPSK	50	50	21.88	21.92	21.81			
20	QPSK	100	0	21.95	22.09	22.02			
20	16QAM	1	0	22.20	22.40	22.24			
20	16QAM	1	49	22.21	22.31	22.17	23	1	
20	16QAM	1	99	22.23	22.29	22.20			
20	16QAM	50	0	20.91	20.95	20.88			
20	16QAM	50	24	20.89	21.03	20.80			
20	16QAM	50	50	20.75	20.91	20.89	22	2	
20	16QAM	100	0	20.90	20.93	20.88			
20	64QAM	1	0	21.12	21.26	21.27			
20	64QAM	1	49	21.06	21.15	21.15			
20	64QAM	1	99	21.08	21.18	21.16	22	2	
20	64QAM	50	0	19.86	19.91	19.87			
20	64QAM	50	24	19.87	19.84	19.71			
20	64QAM	50	50	19.83	19.87	19.74			
20	64QAM	100	0	19.83	19.91	19.75	21	3	
20	256QAM	1	0	18.15	18.19	18.07			
20	256QAM	1	49	18.04	18.08	18.00			
20	256QAM	1	99	18.07	18.00	18.12			
20	256QAM	50	0	17.82	17.93	17.88	19	5	
20	256QAM	50	24	17.74	17.83	17.66			
20	256QAM	50	50	17.78	17.84	17.82			
20	256QAM	100	0	17.93	17.92	17.81			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.99	23.06	22.85	24	0	
15	QPSK	1	37	22.90	22.89	22.77			
15	QPSK	1	74	22.67	22.85	22.70			
15	QPSK	36	0	21.90	22.07	21.99			
15	QPSK	36	20	21.74	21.92	21.83	23	1	
15	QPSK	36	39	21.76	21.83	21.73			
15	QPSK	75	0	21.88	22.00	22.00			
15	16QAM	1	0	22.09	22.38	22.20			
15	16QAM	1	37	22.16	22.22	22.10	23	1	
15	16QAM	1	74	22.15	22.18	22.09			
15	16QAM	36	0	20.91	20.89	20.88			
15	16QAM	36	20	20.82	20.95	20.78			
15	16QAM	36	39	20.88	20.85	20.86	22	2	
15	16QAM	75	0	20.85	20.87	20.84			
15	64QAM	1	0	21.03	21.23	21.17			
15	64QAM	1	37	21.04	21.15	21.12			
15	64QAM	1	74	21.06	21.08	21.12	22	2	
15	64QAM	36	0	19.81	19.90	19.80			
15	64QAM	36	20	19.85	19.75	19.71			
15	64QAM	36	39	19.77	19.86	19.63			
15	64QAM	75	0	19.78	19.87	19.72	21	3	
15	256QAM	1	0	18.15	18.18	17.97			
15	256QAM	1	37	17.99	17.97	17.90			
15	256QAM	1	74	17.98	17.92	18.05			
15	256QAM	36	0	17.77	17.92	17.82	19	5	
15	256QAM	36	20	17.70	17.78	17.61			
15	256QAM	36	39	17.74	17.83	17.74			
15	256QAM	75	0	17.88	17.92	17.73			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.93	22.99	22.90	24	0	
10	QPSK	1	25	22.87	22.78	22.74			
10	QPSK	1	49	22.69	22.82	22.71			
10	QPSK	25	0	21.86	22.07	22.00			
10	QPSK	25	12	21.84	21.85	21.78	23	1	
10	QPSK	25	25	21.87	21.89	21.74			
10	QPSK	50	0	21.86	22.04	21.96			
10	16QAM	1	0	22.17	22.37	22.20			
10	16QAM	1	25	22.16	22.31	22.10	23	1	
10	16QAM	1	49	22.14	22.24	22.16			
10	16QAM	25	0	20.90	20.84	20.80			
10	16QAM	25	12	20.81	20.98	20.72			
10	16QAM	25	25	20.71	20.81	20.84	22	2	
10	16QAM	50	0	20.78	20.82	20.81			
10	64QAM	1	0	21.03	21.16	21.23			
10	64QAM	1	25	21.04	21.09	21.07			
10	64QAM	1	49	21.05	21.07	21.06	22	2	
10	64QAM	25	0	19.77	19.84	19.82			
10	64QAM	25	12	19.81	19.73	19.63			
10	64QAM	25	25	19.77	19.78	19.67			
10	64QAM	50	0	19.82	19.88	19.65	19	5	
10	256QAM	1	0	18.14	18.09	18.01			
10	256QAM	1	25	17.97	18.04	17.90			
10	256QAM	1	49	18.06	17.99	18.09			
10	256QAM	25	0	17.76	17.85	17.82	19	5	
10	256QAM	25	12	17.67	17.78	17.66			
10	256QAM	25	25	17.70	17.83	17.81			
10	256QAM	50	0	17.86	17.84	17.74			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.94	23.01	22.84	24	0	
5	QPSK	1	12	22.84	22.85	22.78			
5	QPSK	1	24	22.67	22.85	22.77			
5	QPSK	12	0	21.87	22.08	22.07			
5	QPSK	12	7	21.75	21.87	21.81	23	1	
5	QPSK	12	13	21.84	21.91	21.71			
5	QPSK	25	0	21.86	22.02	21.90			
5	16QAM	1	0	22.16	22.40	22.15			
5	16QAM	1	12	22.16	22.22	22.07	23	1	
5	16QAM	1	24	22.20	22.27	22.09			
5	16QAM	12	0	20.88	20.83	20.85			
5	16QAM	12	7	20.82	20.99	20.69			
5	16QAM	12	13	20.72	20.83	20.85	22	2	
5	16QAM	25	0	20.83	20.83	20.88			
5	64QAM	1	0	21.04	21.26	21.27			
5	64QAM	1	12	21.04	21.10	21.11			
5	64QAM	1	24	20.97	21.15	21.10	21	3	
5	64QAM	12	0	19.84	19.84	19.82			
5	64QAM	12	7	19.80	19.73	19.65			
5	64QAM	12	13	19.71	19.83	19.67			
5	64QAM	25	0	19.81	19.83	19.66	19	5	
5	256QAM	1	0	18.05	18.15	18.05			
5	256QAM	1	12	17.95	18.04	17.91			
5	256QAM	1	24	18.01	17.92	18.09			
5	256QAM	12	0	17.82	17.83	17.79	19	5	
5	256QAM	12	7	17.69	17.75	17.64			
5	256QAM	12	13	17.75	17.82	17.77			
5	256QAM	25	0	17.84	17.82	17.81			

Band 30 Ant 2									
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				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		23.09		24	0	
10	QPSK	1	25		22.89				
10	QPSK	1	49		22.91				
10	QPSK	25	0		22.09				
10	QPSK	25	12		21.92		23	1	
10	QPSK	25	25		21.84				
10	QPSK	50	0		22.04				
10	16QAM	1	0		22.36				
10	16QAM	1	25		22.36		23	1	
10	16QAM	1	49		22.33				
10	16QAM	25	0		20.97				
10	16QAM	25	12		20.91				
10	16QAM	25	25		20.89		22	2	
10	16QAM	50	0		20.93				
10	64QAM	1	0		21.28				
10	64QAM	1	25		21.23				
10	64QAM	1	49		21.09		22	2	
10	64QAM	25	0		19.92				
10	64QAM	25	12		19.85				
10	64QAM	25	25		19.83				
10	64QAM	50	0		19.88		21	3	
10	256QAM	1	0		18.10				
10	256QAM	1	25		18.14				
10	256QAM	1	49		18.07				
10	256QAM	25	0		17.92		19	5	
10	256QAM	25	12		17.80				
10	256QAM	25	25		17.91				
10	256QAM	50	0		17.84				
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	23.04	23.04	23.03	24	0	
5	QPSK	1	12	22.81	22.88	22.78			
5	QPSK	1	24	22.86	22.81	22.88			
5	QPSK	12	0	22.07	21.99	22.05			
5	QPSK	12	7	21.85	21.80	21.92	23	1	
5	QPSK	12	13	21.73	21.79	21.75			
5	QPSK	25	0	22.00	22.01	21.96			
5	16QAM	1	0	22.33	22.33	22.35			
5	16QAM	1	12	22.25	22.26	22.33	23	1	
5	16QAM	1	24	22.23	22.29	22.22			
5	16QAM	12	0	20.91	20.96	20.92			
5	16QAM	12	7	20.88	20.90	20.82			
5	16QAM	12	13	20.86	20.84	20.78	22	2	
5	16QAM	25	0	20.89	20.86	20.83			
5	64QAM	1	0	21.22	21.24	21.22			
5	64QAM	1	12	21.22	21.17	21.21			
5	64QAM	1	24	20.99	21.01	21.00	22	2	
5	64QAM	12	0	19.84	19.80	19.91			
5	64QAM	12	7	19.74	19.83	19.74			
5	64QAM	12	13	19.76	19.80	19.71			
5	64QAM	25	0	19.83	19.79	19.85	21	3	
5	256QAM	1	0	18.04	18.04	18.05			
5	256QAM	1	12	18.14	18.10	18.09			
5	256QAM	1	24	17.98	18.03	18.03			
5	256QAM	12	0	17.91	17.91	17.85	19	5	
5	256QAM	12	7	17.71	17.79	17.79			
5	256QAM	12	13	17.85	17.81	17.85			
5	256QAM	25	0	17.72	17.80	17.72			

Band 42 FCC Part27Q Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Main Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPP (dB)			
Channel				42190	42660	42990					
Frequency (MHz)				3417.5	3417.5	3417.5					
20	QPSK	1	0	23.13	23.15	23.50	24	0			
20	QPSK	1	49	23.01	23.02	22.91					
20	QPSK	1	86	23.01	22.96	23.38					
20	QPSK	50	0	22.16	22.19	22.11					
20	QPSK	50	24	22.01	22.04	21.90	23	1			
20	QPSK	50	50	21.90	21.98	21.92					
20	QPSK	100	0	22.16	22.18	21.99					
20	16QAM	1	0	22.48	22.41	22.34					
20	16QAM	1	49	22.43	22.35	22.28	23	1			
20	16QAM	1	99	22.37	22.43	22.26					
20	16QAM	50	0	21.03	21.04	20.86					
20	16QAM	50	24	21.01	21.07	20.85					
20	16QAM	50	50	20.92	20.90	20.94	22	2			
20	16QAM	100	0	20.96	20.96	20.98					
20	64QAM	1	0	21.27	21.27	21.34					
20	64QAM	1	49	21.27	21.28	21.19					
20	64QAM	1	99	21.17	21.15	21.28	21	3			
20	64QAM	50	0	20.01	19.97	19.96					
20	64QAM	50	24	19.98	19.89	19.83					
20	64QAM	50	50	19.87	19.83	19.89					
20	64QAM	100	0	19.96	19.95	19.84	19	5			
20	256QAM	1	0	18.24	18.17	18.14					
20	256QAM	1	49	18.20	18.16	18.07					
20	256QAM	1	99	18.08	18.14	18.12					
20	256QAM	50	0	17.86	17.87	17.88	19	5			
20	256QAM	50	24	17.85	17.89	17.75					
20	256QAM	50	50	17.82	17.90	17.80					
20	256QAM	100	0	17.86	18.01	17.88					
Channel				42165	42665	43015	Turn-up time (dBm)				
Frequency (MHz)				3417.5	3417.5	3417.5					
15	QPSK	1	0	23.18	23.10	23.57	24	0			
15	QPSK	1	37	22.94	22.84	22.89					
15	QPSK	1	74	22.92	22.92	22.70					
15	QPSK	36	0	22.03	22.13	22.06					
15	QPSK	36	20	21.90	21.99	21.85	23	1			
15	QPSK	36	36	21.91	21.88	21.88					
15	QPSK	75	0	22.06	21.98	21.90					
15	16QAM	1	0	22.38	22.33	22.27					
15	16QAM	1	37	22.38	22.37	22.22	23	1			
15	16QAM	1	74	22.35	22.31	22.20					
15	16QAM	36	0	21.00	20.91	20.77					
15	16QAM	36	20	20.98	20.94	20.82					
15	16QAM	36	36	20.80	20.87	20.80	22	2			
15	16QAM	75	0	20.91	20.92	20.76					
15	64QAM	1	0	21.25	21.13	21.31					
15	64QAM	1	37	21.15	21.19	21.09					
15	64QAM	1	74	21.13	21.07	21.16	21	3			
15	64QAM	36	0	19.83	19.92	19.83					
15	64QAM	36	20	19.91	19.83	19.72					
15	64QAM	36	36	19.82	19.75	19.75					
15	64QAM	75	0	19.85	19.92	19.81	19	5			
15	256QAM	1	0	18.16	18.10	18.04					
15	256QAM	1	37	18.10	18.05	18.00					
15	256QAM	1	74	18.07	18.12	18.02					
15	256QAM	36	0	17.94	17.91	17.87	19	5			
15	256QAM	36	20	17.73	17.82	17.70					
15	256QAM	36	36	17.86	17.77	17.76					
15	256QAM	75	0	17.87	17.93	17.73					
Channel				42160	42660	43040	Turn-up time (dBm)				
Frequency (MHz)				3455	3450	3445					
10	QPSK	1	0	23.04	23.19	22.84	24	0			
10	QPSK	1	25	22.90	22.94	22.79					
10	QPSK	1	49	22.68	22.94	22.71					
10	QPSK	25	0	22.06	22.06	22.08					
10	QPSK	25	12	21.89	21.94	21.80	23	1			
10	QPSK	25	25	21.92	21.95	21.81					
10	QPSK	60	0	22.02	22.06	21.95					
10	16QAM	1	0	22.37	22.27	22.26					
10	16QAM	1	25	22.41	22.27	22.22	23	1			
10	16QAM	1	49	22.36	22.35	22.31					
10	16QAM	25	0	20.93	20.95	20.80					
10	16QAM	25	12	20.87	21.03	20.72					
10	16QAM	25	25	20.89	20.84	20.86	22	2			
10	16QAM	50	0	20.89	20.85	20.75					
10	64QAM	1	0	21.14	21.22	21.22					
10	64QAM	1	25	21.24	21.22	21.13					
10	64QAM	1	49	21.10	21.09	21.19	22	2			
10	64QAM	25	0	19.87	19.85	19.81					
10	64QAM	25	12	19.90	19.75	18.75					
10	64QAM	25	25	19.74	19.71	19.83					
10	64QAM	50	0	19.90	19.83	19.81	21	3			
10	256QAM	1	0	18.10	18.05	18.11					
10	256QAM	1	25	18.09	18.08	17.85					
10	256QAM	1	49	18.02	18.01	18.00					
10	256QAM	25	0	17.85	17.93	17.76	19	5			
10	256QAM	25	12	17.80	17.80	17.68					
10	256QAM	25	25	17.85	17.78	17.75					
10	256QAM	50	0	17.80	17.85	17.74					
Channel				42115	42665	43065	Turn-up time (dBm)				
Frequency (MHz)				3452.5	3450	3547.5					
5	QPSK	1	0	23.08	23.02	22.88	24	0			
5	QPSK	1	12	22.97	22.91	22.83					
5	QPSK	1	24	22.92	22.92	22.89					
5	QPSK	12	0	22.03	22.15	21.86					
5	QPSK	12	7	21.95	22.01	21.83	23	1			
5	QPSK	12	13	21.95	21.85	21.78					
5	QPSK	25	0	22.03	22.06	21.92					
5	16QAM	1	0	22.39	22.31	22.20					
5	16QAM	1	12	22.38	22.25	22.15	23	1			
5	16QAM	1	24	22.34	22.36	22.22					
5	16QAM	12	0	20.88	21.02	20.77					
5	16QAM	12	7	20.88	20.99	20.72					
5	16QAM	12	13	20.84	20.84	20.50	22	2			
5	16QAM	25	0	20.89	20.83	20.85					
5	64QAM	1	0	21.22	21.19	21.28					
5	64QAM	1	12	21.16	21.19	21.09					
5	64QAM	1	24	21.08	21.11	21.18	22	2			
5	64QAM	12	0	19.87	19.84	19.82					
5	64QAM	12	7	19.91	19.89	19.76					
5	64QAM	25	0	19.86	19.92	19.71					
5	256QAM	1	0	18.17	18.07	18.01	21	3			
5	256QAM	1	12	18.12	18.07	17.89					
5	256QAM	1	24	17.99	18.02	17.89					
5	256QAM	12	0	17.86	17.85	17.83					
5	256QAM	12	7	17.84	17.81	17.86	19	5			
5	256QAM	12	13	17.80	17.81	17.73					
5	256QAM	25	0	17.84	17.99	17.84					

Band 48_FCC Ant 2												
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)	MPE (dB)			
Channel				56340	56890	56190	56640					
Frequency (MHz)				3690	3660	3640	3690					
20	QPSK	1	0	23.54	23.77	23.98	23.58	24	0			
20	QPSK	1	48	23.67	23.63	23.49	23.53					
20	QPSK	1	99	23.60	23.63	23.39	23.45					
20	QPSK	50	0	22.70	22.60	22.50	22.46					
20	QPSK	50	24	22.68	22.59	22.50	22.45	23	1			
20	QPSK	100	0	22.76	22.71	22.56	22.58					
20	HQAM	1	0	22.80	22.69	22.54	22.61					
20	HQAM	1	48	22.75	22.57	22.52	22.55					
20	HQAM	1	99	22.82	22.75	22.51	22.58	22	2			
20	HQAM	50	0	21.73	21.59	21.80	21.53					
20	HQAM	50	24	21.65	21.58	21.53	21.46					
20	HQAM	50	50	21.61	21.59	21.39	21.44					
20	HQAM	100	0	21.63	21.47	21.53	21.52	22	2			
20	HQAM	1	0	21.06	21.25	21.75	21.91					
20	HQAM	1	48	21.93	21.82	21.72	21.83					
20	HQAM	1	99	21.88	21.78	21.68	21.77					
20	HQAM	50	0	20.84	20.80	20.60	20.53	21	3			
20	HQAM	50	24	20.55	20.52	20.45	20.42					
20	HQAM	50	50	20.54	20.52	20.53	20.45					
20	HQAM	100	0	20.67	20.53	20.49	20.36					
20	25GQAM	1	0	18.88	18.84	18.68	18.77	19	5			
20	25GQAM	1	48	18.87	18.71	18.70	18.59					
20	25GQAM	1	99	18.81	18.82	18.76	18.72					
20	25GQAM	50	0	18.73	18.53	18.46	18.50					
20	25GQAM	50	24	18.57	18.47	18.42	18.30	19	5			
20	25GQAM	50	50	18.85	18.62	18.44	18.41					
20	25GQAM	100	0	18.65	18.63	18.57	18.51					
Channel				56315	56920	56190	56665					
Frequency (MHz)				3672.5	3675	3642	3675					
15	QPSK	1	0	23.71	23.75	23.53	23.51	24	0			
15	QPSK	1	37	23.61	23.62	23.36	23.51					
15	QPSK	1	74	23.58	23.62	23.36	23.34					
15	QPSK	36	0	22.78	22.68	22.57	22.64					
15	QPSK	36	20	22.65	22.52	22.48	22.42	23	1			
15	QPSK	36	39	22.54	22.46	22.37	22.49					
15	QPSK	75	0	22.65	22.67	22.43	22.52					
15	HQAM	1	0	22.71	22.60	22.49	22.51					
15	HQAM	1	37	22.71	22.61	22.36	22.47	23	1			
15	HQAM	1	74	22.73	22.71	22.42	22.52					
15	HQAM	36	0	21.64	21.56	21.56	21.49					
15	HQAM	36	39	21.62	21.47	21.47	21.35					
15	HQAM	36	39	21.51	21.49	21.35	21.38	22	2			
15	HQAM	75	0	21.59	21.46	21.40	21.48					
15	HQAM	1	0	21.91	21.88	21.71	21.89					
15	HQAM	1	37	21.84	21.81	21.60	21.72					
15	HQAM	1	74	21.62	21.91	21.89	21.69	21	3			
15	HQAM	36	0	20.54	20.46	20.58	20.51					
15	HQAM	36	20	20.46	20.42	20.32	20.39					
15	HQAM	36	39	20.50	20.32	20.47	20.42					
15	HQAM	75	0	20.51	20.45	20.39	20.23	19	5			
15	25GQAM	1	0	18.77	18.73	18.60	18.65					
15	25GQAM	1	37	18.80	18.64	18.57	18.45					
15	25GQAM	1	74	18.78	18.70	18.73	18.59					
15	25GQAM	36	0	18.65	18.42	18.43	18.47	19	5			
15	25GQAM	36	20	18.44	18.24	18.37	18.20					
15	25GQAM	36	39	18.67	18.47	18.42	18.36					
15	25GQAM	75	0	18.58	18.41	18.50	18.46					
Channel				56300	56815	56190	56695					
Frequency (MHz)				3655	3697.5	3642.5	3695					
10	QPSK	1	0	23.89	23.47	23.56	23.56	24	0			
10	QPSK	1	25	23.84	23.50	23.30	23.40					
10	QPSK	1	49	23.55	23.47	23.33	23.40					
10	QPSK	36	0	22.84	22.62	22.54	22.61					
10	QPSK	25	12	22.80	22.58	22.37	22.43	23	1			
10	QPSK	25	25	22.60	22.37	22.40	22.37					
10	QPSK	36	0	22.66	22.61	22.46	22.55					
10	HQAM	1	0	22.87	22.69	22.48	22.52					
10	HQAM	1	25	22.71	22.49	22.38	22.47	23	1			
10	HQAM	1	49	22.80	22.68	22.40	22.48					
10	HQAM	25	0	21.61	21.52	21.47	21.49					
10	HQAM	25	12	21.67	21.47	21.50	21.38					
10	HQAM	25	25	21.57	21.51	21.26	21.38	22	2			
10	HQAM	50	0	21.67	21.45	21.49	21.43					
10	HQAM	1	0	21.09	21.63	21.68	21.87					
10	HQAM	1	25	21.82	21.80	21.67	21.78					
10	HQAM	1	49	21.77	21.61	21.61	21.74	22	2			
10	HQAM	25	0	20.55	20.58	20.53	20.44					
10	HQAM	25	12	20.42	20.40	20.36	20.36					
10	HQAM	25	25	20.40	20.39	20.48	20.35					
10	HQAM	50	0	20.50	20.41	20.36	20.25	21	3			
10	25GQAM	1	0	18.76	18.80	18.62	18.68					
10	25GQAM	1	25	18.75	18.61	18.59	18.53					
10	25GQAM	1	49	18.72	18.70	18.63	18.67					
10	25GQAM	25	0	18.70	18.59	18.44	18.40	19	5			
10	25GQAM	25	12	18.46	18.38	18.20	18.22					
10	25GQAM	25	25	18.54	18.42	18.32	18.27					
10	25GQAM	50	0	18.51	18.48	18.52	18.38					
Channel				56295	56820	56190	56715					
Frequency (MHz)				3650	3692.5	3642.5	3692.5					
5	QPSK	1	0	23.78	23.71	23.53	23.48	24	0			
5	QPSK	1	12	23.51	23.49	23.44	23.39					
5	QPSK	1	24	23.51	23.42	23.28	23.38					
5	QPSK	12	0	22.74	22.62	22.57	22.65					
5	QPSK	12	7	22.61	22.57	22.38	22.39	23	1			
5	QPSK	12	13	22.61	22.41	22.46	22.38					
5	QPSK	25	0	22.70	22.66	22.45	22.56					
5	HQAM	1	0	22.73	22.55	22.43	22.49					
5	HQAM	1	12	22.83	22.49	22.48	22.44	23	1			
5	HQAM	1	24	22.76	22.62	22.42	22.44					
5	HQAM	12	0	21.61	21.55	21.49	21.40					
5	HQAM	12	7	21.62	21.60	21.39	21.36					
5	HQAM	12	13	21.53	21.58	21.32	21.32	22	2			
5	HQAM	25	0	21.60	21.48	21.42	21.44					
5	HQAM	1	0	21.61	21.89	21.68	21.84					
5	HQAM	1	12	21.63	21.80	21.64	21.80					
5	HQAM	1	24	21.85	21.88	21.69	21.65	21	3			
5	HQAM	12	0	20.61	20.46	20.52	20.44					
5	HQAM	12	7	20.42	20.41	20.39	20.36					
5	HQAM	12	13	20.41	20.43	20.45	20.35					
5	25GQAM	1	0	18.73	18.80	18.63	18.73	19	5			
5	25GQAM	1	12	18.78	18.64	18.65	18.50					
5	25GQAM	1	24	18.73	18.77	18.71	18.62					
5	25GQAM	12	0	18.63	18.43	18.43	18.37					
5	25GQAM	12	7	18.53	18.35	18.35	18.23	19	5			
5	25GQAM	12	13	18.53	18.47	18.30	18.38					
5	25GQAM	25	0	18.62	18.51	18.44	18.43					

Band 42 FCC Part27Q Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power High Ch. Power	Power High Ch. Power	Turn-up time (min)	spurs (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	18.20	18.20	18.20			
20	QPSK	1	40	18.20	18.20	18.20	10	0	
20	QPSK	1	80	18.20	18.20	18.20			
20	QPSK	50	0	18.10	18.27	18.17			
20	QPSK	50	24	18.10	18.27	18.20			
20	QPSK	50	50	18.10	18.11	18.17	10	0	
20	QPSK	50	0	18.20	18.20	18.20			
20	QPSK	1	0	18.12	18.10	18.10			
20	QPSK	1	40	18.12	18.10	18.10	10	0	
20	QPSK	1	80	18.12	18.10	18.10			
20	QPSK	50	0	17.90	17.97	17.90			
20	QPSK	50	24	17.90	17.97	17.90			
20	QPSK	50	50	17.90	17.97	17.90	10	0	
20	QPSK	50	0	17.90	17.90	17.90			
20	QPSK	1	0	18.00	17.95	17.95			
20	QPSK	1	40	18.00	17.95	17.95	10	0	
20	QPSK	1	80	18.00	17.90	17.90			
20	QPSK	50	0	17.80	17.87	17.80			
20	QPSK	50	24	17.80	17.87	17.80			
20	QPSK	50	50	17.80	17.87	17.80	10	0	
20	QPSK	50	0	17.80	17.80	17.80			
20	QPSK	1	0	17.90	17.85	17.85			
20	QPSK	1	40	17.90	17.85	17.85	10	0	
20	QPSK	1	80	17.90	17.85	17.85			
20	QPSK	50	0	17.70	17.77	17.70			
20	QPSK	50	24	17.70	17.77	17.70			
20	QPSK	50	50	17.70	17.77	17.70	10	0	
20	QPSK	50	0	17.70	17.70	17.70			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.10	18.20	18.10			
10	QPSK	1	24	18.10	18.13	18.07	10	0	
10	QPSK	1	48	18.10	18.10	18.10			
10	QPSK	50	0	18.00	18.20	18.00			
10	QPSK	50	24	18.00	18.03	18.00			
10	QPSK	50	50	18.00	18.00	18.00	10	0	
10	QPSK	50	0	18.10	18.10	18.10			
10	QPSK	1	0	17.90	17.80	17.80			
10	QPSK	1	24	17.90	17.87	17.90	10	0	
10	QPSK	1	48	17.90	17.90	17.90			
10	QPSK	50	0	17.80	17.80	17.80			
10	QPSK	50	24	17.80	17.80	17.80			
10	QPSK	50	50	17.80	17.80	17.80	10	0	
10	QPSK	50	0	17.70	17.70	17.70			
10	QPSK	1	0	17.80	17.70	17.70			
10	QPSK	1	24	17.80	17.77	17.80	10	0	
10	QPSK	1	48	17.80	17.80	17.80			
10	QPSK	50	0	17.60	17.70	17.60			
10	QPSK	50	24	17.60	17.70	17.60			
10	QPSK	50	50	17.60	17.70	17.60	10	0	
10	QPSK	50	0	17.60	17.60	17.60			
10	QPSK	1	0	17.70	17.60	17.60			
10	QPSK	1	24	17.70	17.67	17.70	10	0	
10	QPSK	1	48	17.70	17.70	17.70			
10	QPSK	50	0	17.50	17.50	17.50			
10	QPSK	50	24	17.50	17.50	17.50			
10	QPSK	50	50	17.50	17.50	17.50	10	0	
10	QPSK	50	0	17.50	17.50	17.50			
10	QPSK	1	0	17.60	17.50	17.50			
10	QPSK	1	24	17.60	17.57	17.60	10	0	
10	QPSK	1	48	17.60	17.60	17.60			
10	QPSK	50	0	17.40	17.40	17.40			
10	QPSK	50	24	17.40	17.40	17.40			
10	QPSK	50	50	17.40	17.40	17.40	10	0	
10	QPSK	50	0	17.40	17.40	17.40			
10	QPSK	1	0	17.50	17.40	17.40			
10	QPSK	1	24	17.50	17.47	17.50	10	0	
10	QPSK	1	48	17.50	17.50	17.50			
10	QPSK	50	0	17.30	17.30	17.30			
10	QPSK	50	24	17.30	17.30	17.30			
10	QPSK	50	50	17.30	17.30	17.30	10	0	
10	QPSK	50	0	17.30	17.30	17.30			
10	QPSK	1	0	17.40	17.30	17.30			
10	QPSK	1	24	17.40	17.37	17.40	10	0	
10	QPSK	1	48	17.40	17.40	17.40			
10	QPSK	50	0	17.20	17.20	17.20			
10	QPSK	50	24	17.20	17.20	17.20			
10	QPSK	50	50	17.20	17.20	17.20	10	0	
10	QPSK	50	0	17.20	17.20	17.20			
10	QPSK	1	0	17.30	17.20	17.20			
10	QPSK	1	24	17.30	17.27	17.30	10	0	
10	QPSK	1	48	17.30	17.30	17.30			
10	QPSK	50	0	17.10	17.10	17.10			
10	QPSK	50	24	17.10	17.10	17.10			
10	QPSK	50	50	17.10	17.10	17.10	10	0	
10	QPSK	50	0	17.10	17.10	17.10			
10	QPSK	1	0	17.20	17.10	17.10			
10	QPSK	1	24	17.20	17.17	17.20	10	0	
10	QPSK	1	48	17.20	17.20	17.20			
10	QPSK	50	0	17.00	17.00	17.00			
10	QPSK	50	24	17.00	17.00	17.00			
10	QPSK	50	50	17.00	17.00	17.00	10	0	
10	QPSK	50	0	17.00	17.00	17.00			
10	QPSK	1	0	17.10	17.00	17.00			
10	QPSK	1	24	17.10	17.07	17.10	10	0	
10	QPSK	1	48	17.10	17.10	17.10			
10	QPSK	50	0	16.80	16.80	16.80			
10	QPSK	50	24	16.80	16.80	16.80			
10	QPSK	50	50	16.80	16.80	16.80	10	0	
10	QPSK	50	0	16.80	16.80	16.80			
10	QPSK	1	0	16.90	16.80	16.80			
10	QPSK	1	24	16.90	16.87	16.90	10	0	
10	QPSK	1	48	16.90	16.90	16.90			
10	QPSK	50	0	16.70	16.70	16.70			
10	QPSK	50	24	16.70	16.70	16.70			
10	QPSK	50	50	16.70	16.70	16.70	10	0	
10	QPSK	50	0	16.70	16.70	16.70			
10	QPSK	1	0	16.80	16.70	16.70			
10	QPSK	1	24	16.80	16.67	16.80	10	0	
10	QPSK	1	48	16.80	16.80	16.80			
10	QPSK	50	0	16.60	16.60	16.60			
10	QPSK	50	24	16.60	16.60	16.60			
10	QPSK	50	50	16.60	16.60	16.60	10	0	
10	QPSK	50	0	16.60	16.60	16.60			
10	QPSK	1	0	16.70	16.60	16.60			
10	QPSK	1	24	16.70	16.57	16.70	10	0	
10	QPSK	1	48	16.70	16.70	16.70			
10	QPSK	50	0	16.50	16.50	16.50			
10	QPSK	50	24	16.50	16.50	16.50			
10	QPSK	50	50	16.50	16.50	16.50	10	0	
10	QPSK	50	0	16.50	16.50	16.50			
10	QPSK	1	0	16.60	16.50	16.50			
10	QPSK	1	24	16.60	16.47	16.60	10	0	
10	QPSK	1	48	16.60	16.60	16.60			
10	QPSK	50	0	16.40	16.40	16.40			
10	QPSK	50	24	16.40	16.40	16.40			
10	QPSK	50	50	16.40	16.40	16.40	10	0	
10	QPSK	50	0	16.40	16.40	16.40			
10	QPSK	1	0	16.50	16.40	16.40			
10	QPSK	1	24	16.50	16.37	16.50	10	0	
10	QPSK	1	48	16.50	16.50	16.50			
10	QPSK	50	0	16.30	16.30	16.30			
10	QPSK	50	24	16.30	16.30	16.30			
10	QPSK	50	50	16.30	16.30	16.30	10	0	
10	QPSK	50	0	16.30	16.30	16.30			
10	QPSK	1	0	16.40	16.30	16.30			
10	QPSK	1	24	16.40	16.27	16.40	10	0	
10	QPSK	1	48	16.40	16.40	16.40			
10	QPSK	50	0	16.20	16.20	16.20			
10	QPSK	50	24	16.20	16.20	16.20			
10	QPSK	50	50	16.20	16.20	16.20	10	0	
10	QPSK	50	0	16.20	16.20	16.20			
10	QPSK	1	0	16.30	16.20	16.20			
10	QPSK	1	24	16.30	16.17	16.30	10	0	
10	QPSK	1	48	16.30	16.30	16.30			
10	QPSK	50	0	16.10	16.10	16.10			
10	QPSK	50	24	16.10	16.10	16.10			
10	QPSK	50	50	16.10	16.10	16.10	10	0	
10	QPSK	50	0	16.10	16.10	16.10			
10	QPSK	1	0	16.20	16.10	16.10			
10	QPSK	1	24	16.20	16.07	16.20	10	0	
10	QPSK	1	48	16.20	16.20	16.20			
10	QPSK	50	0	16.00	16.00	16.00			
10	QPSK	50	24	16.00	16.00	16.00			
10	QPSK	50	50	16.00	16.00	16.00	10	0	
10	QPSK	50	0	16.00	16.00	16.00			
10	QPSK	1	0	16.10	16.00	16.00			
10	QPSK	1	24						

Band 48_FCC Ant 6									
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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55330	56150	56640		
Frequency (MHz)				3520	3520	3541	3540		
20	QPSK	1	0	20.73	20.81	21.01	20.97	21.5	0
20	QPSK	1	49	20.81	20.93	20.99	20.81		
20	QPSK	1	99	20.81	20.94	20.93	20.89		
20	QPSK	50	0	20.81	20.75	20.88	20.82		
20	QPSK	50	24	20.82	20.86	20.78	20.81	21.5	0
20	QPSK	50	50	20.75	20.81	20.81	20.80		
20	QPSK	100	0	20.42	20.63	20.73	20.60		
20	16QAM	1	0	20.81	20.67	20.66	20.73		
20	16QAM	1	49	20.68	20.75	20.62	20.75	21.5	0
20	16QAM	1	99	20.31	20.43	20.45	20.50		
20	16QAM	50	0	19.63	19.68	19.67	19.57		
20	16QAM	50	24	19.54	19.68	19.66	19.51		
20	16QAM	100	0	19.47	19.52	19.55	19.60	21	0.5
20	16QAM	100	0	19.58	19.55	19.61	19.52		
20	64QAM	1	0	19.88	19.96	19.98	19.90		
20	64QAM	1	49	19.80	19.86	19.91	19.85	21	0.5
20	64QAM	1	99	19.71	19.83	19.82	19.86		
20	64QAM	50	0	18.63	18.63	18.69	18.49		
20	64QAM	50	24	18.46	18.51	18.56	18.46	20	1.5
20	64QAM	50	50	18.54	18.54	18.48	18.43		
20	64QAM	100	0	18.50	18.57	18.59	18.47		
20	256QAM	1	0	16.76	16.82	16.79	16.86	18	3.5
20	256QAM	1	49	16.79	16.83	16.81	16.69		
20	256QAM	1	99	16.74	16.74	16.80	16.86		
20	256QAM	50	0	16.51	16.59	16.60	16.48		
20	256QAM	50	24	16.47	16.50	16.57	16.39	18	3.5
20	256QAM	50	50	16.54	16.52	16.58	16.48		
20	256QAM	100	0	16.55	16.53	16.63	16.51		
Channel				55315	55300	56160	56650	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3558	3545	3555.5		
15	QPSK	1	0	20.60	20.68	20.88	20.90	21.5	0
15	QPSK	1	37	20.68	20.77	20.85	20.75		
15	QPSK	1	74	20.73	20.80	20.82	20.78		
15	QPSK	36	0	20.45	20.58	20.63	20.69		
15	QPSK	36	20	20.70	20.70	20.73	20.76	21.5	0
15	QPSK	36	39	20.66	20.66	20.66	20.64		
15	QPSK	75	0	20.28	20.49	20.67	20.51		
15	16QAM	1	0	20.49	20.52	20.61	20.58		
15	16QAM	1	37	20.61	20.75	20.53	20.70	21.5	0
15	16QAM	1	74	20.25	20.34	20.33	20.42		
15	16QAM	36	0	19.52	19.60	19.58	19.55		
15	16QAM	36	20	19.42	19.62	19.61	19.48	21	0.5
15	16QAM	36	39	19.37	19.44	19.55	19.49		
15	16QAM	75	0	19.57	19.52	19.55	19.42		
15	64QAM	1	0	19.80	19.67	19.91	19.82	21	0.5
15	64QAM	1	37	19.78	19.73	19.90	19.82		
15	64QAM	1	74	19.67	19.81	19.77	19.83		
15	64QAM	36	0	18.57	18.62	18.63	18.47		
15	64QAM	36	20	18.42	18.50	18.46	18.40	20	1.5
15	64QAM	36	39	18.50	18.52	18.42	18.39		
15	64QAM	75	0	18.46	18.49	18.57	18.41		
15	256QAM	1	0	16.67	16.81	16.67	16.81	18	3.5
15	256QAM	1	37	16.76	16.72	16.73	16.61		
15	256QAM	1	74	16.63	16.73	16.79	16.77		
15	256QAM	36	0	16.41	16.57	16.50	16.42		
15	256QAM	36	20	16.44	16.47	16.49	16.37	18	3.5
15	256QAM	36	39	16.50	16.40	16.47	16.36		
15	256QAM	75	0	16.52	16.40	16.52	16.49		
Channel				55290	55815	56165	56660	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.62	20.74	20.90	20.82	21.5	0
10	QPSK	1	25	20.71	20.89	20.89	20.67		
10	QPSK	1	49	20.68	20.63	20.86	20.74		
10	QPSK	25	0	20.50	20.62	20.76	20.71		
10	QPSK	25	12	20.76	20.72	20.68	20.67	21.5	0
10	QPSK	25	25	20.69	20.74	20.76	20.71		
10	QPSK	50	0	20.35	20.57	20.66	20.51		
10	16QAM	1	0	20.49	20.52	20.58	20.64		
10	16QAM	1	25	20.60	20.64	20.49	20.65	21.5	0
10	16QAM	1	49	20.25	20.39	20.30	20.37		
10	16QAM	25	0	19.63	19.62	19.67	19.57		
10	16QAM	25	12	19.47	19.58	19.65	19.41		
10	16QAM	25	25	19.39	19.47	19.55	19.55	21	0.5
10	16QAM	50	0	19.57	19.51	19.55	19.43		
10	64QAM	1	0	19.84	19.87	19.89	19.76		
10	64QAM	1	25	19.78	19.81	19.87	19.77		
10	64QAM	1	49	19.70	19.79	19.76	19.82	20	1.5
10	64QAM	25	0	18.52	18.58	18.67	18.43		
10	64QAM	25	12	18.45	18.46	18.48	18.42		
10	64QAM	25	25	18.51	18.51	18.45	18.34		
10	64QAM	50	0	18.48	18.52	18.57	18.37	18	3.5
10	256QAM	1	0	16.68	16.79	16.75	16.77		
10	256QAM	1	25	16.76	16.76	16.72	16.61		
10	256QAM	1	49	16.68	16.67	16.78	16.75		
10	256QAM	25	0	16.44	16.53	16.54	16.38	18	3.5
10	256QAM	25	12	16.38	16.40	16.48	16.28		
10	256QAM	25	25	16.50	16.47	16.50	16.43		
10	256QAM	50	0	16.45	16.44	16.59	16.48		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3543	3597.5		
5	QPSK	1	0	20.68	20.67	20.85	20.87	21.5	0
5	QPSK	1	12	20.71	20.85	20.88	20.68		
5	QPSK	1	24	20.67	20.83	20.88	20.84		
5	QPSK	12	0	20.46	20.69	20.74	20.72		
5	QPSK	12	7	20.78	20.74	20.70	20.76	21.5	0
5	QPSK	12	13	20.64	20.74	20.68	20.73		
5	QPSK	25	0	20.32	20.50	20.62	20.46		
5	16QAM	1	0	20.55	20.57	20.55	20.59		
5	16QAM	1	12	20.58	20.69	20.54	20.61	21.5	0
5	16QAM	1	24	20.21	20.29	20.36	20.45		
5	16QAM	12	0	19.55	19.66	19.60	19.53		
5	16QAM	12	7	19.50	19.59	19.56	19.44	21	0.5
5	16QAM	12	13	19.37	19.51	19.51	19.54		
5	16QAM	25	0	19.62	19.53	19.58	19.49		
5	64QAM	1	0	19.77	19.84	19.98	19.90	21	0.5
5	64QAM	1	12	19.88	19.76	19.88	19.82		
5	64QAM	1	24	19.60	19.77	19.81	19.77		
5	64QAM	12	0	18.59	18.54	18.61	18.42		
5	64QAM	12	7	18.42	18.51	18.48	18.44	20	1.5
5	64QAM	12	13	18.49	18.51	18.37	18.40		
5	256QAM	25	0	16.44	16.51	16.50	16.45		
5	256QAM	1	0	16.64	16.62	16.72	16.65	18	3.5
5	256QAM	1	12	16.77	16.80	16.70	16.64		
5	256QAM	1	24	16.65	16.73	16.71	16.83		
5	256QAM	12	0	16.42	16.58	16.49	16.40		
5	256QAM	12	7	16.39	16.48	16.53	16.37	18	3.5
5	256QAM	12	13	16.51	16.45	16.53	16.40		
5	256QAM	25	0	16.48	16.43	16.57	16.50		

Band 42 FCC Part27Q Ant 7									
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				42190	42590	42990			
Frequency (MHz)				3455	3500	3545			
20	QPSK	1	0	16.69	16.72	16.61	17.3	0	
20	QPSK	1	49	16.66	16.64	16.53			
20	QPSK	1	99	16.62	16.57	16.54			
20	QPSK	50	0	16.59	16.64	16.57			
20	QPSK	50	24	16.54	16.55	16.49	17.3	0	
20	QPSK	50	50	16.44	16.51	16.46			
20	QPSK	100	0	16.40	16.41	16.31			
20	16QAM	1	0	16.29	16.33	16.31			
20	16QAM	1	49	16.27	16.34	16.42	17.3	0	
20	16QAM	1	99	16.08	16.09	16.28			
20	16QAM	50	0	16.07	16.08	16.28			
20	16QAM	50	24	16.12	16.13	16.20			
20	16QAM	50	50	16.31	16.31	16.35	17.3	0	
20	16QAM	100	0	16.17	16.21	16.31			
20	64QAM	1	0	16.28	16.34	16.12			
20	64QAM	1	49	16.13	16.24	16.29	17.3	0	
20	64QAM	1	99	16.19	16.25	16.29			
20	64QAM	50	0	16.14	16.14	16.22			
20	64QAM	50	24	16.35	16.22	16.12			
20	64QAM	50	50	16.20	16.19	16.30	17.3	0	
20	64QAM	100	0	16.00	16.07	16.33			
20	256QAM	1	0	16.21	16.19	16.30			
20	256QAM	1	49	16.36	16.20	16.24	17.3	0	
20	256QAM	1	99	16.06	16.04	16.31			
20	256QAM	50	0	16.05	16.18	16.29			
20	256QAM	50	24	16.05	16.05	16.32			
20	256QAM	50	50	16.04	16.12	16.20	17.3	0	
20	256QAM	100	0	16.21	16.27	16.18			
Channel				43165	43590	43915			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	16.49	16.44	16.58	17.3	0	
15	QPSK	1	37	16.56	16.53	16.48			
15	QPSK	1	74	16.55	16.51	16.50			
15	QPSK	36	0	16.50	16.49	16.49			
15	QPSK	36	20	16.36	16.29	16.37	17.3	0	
15	QPSK	36	39	16.28	16.35	16.47			
15	QPSK	75	0	16.35	16.33	16.17			
15	16QAM	1	0	16.19	16.35	16.15			
15	16QAM	1	37	16.27	16.35	16.29	17.3	0	
15	16QAM	1	74	16.04	15.98	16.11			
15	16QAM	36	0	15.90	16.97	16.19			
15	16QAM	36	20	15.98	16.90	15.97			
15	16QAM	36	39	16.13	16.17	16.17	17.3	0	
15	16QAM	75	0	16.13	16.07	16.20			
15	64QAM	1	0	16.17	16.21	16.03			
15	64QAM	1	37	16.00	16.01	16.18			
15	64QAM	1	74	16.22	16.12	16.04	17.3	0	
15	64QAM	36	0	16.03	15.99	16.12			
15	64QAM	36	20	16.24	16.12	16.08			
15	64QAM	36	39	16.09	16.00	16.22			
15	64QAM	75	0	16.04	15.97	16.15	17.3	0	
15	256QAM	1	0	16.15	16.17	16.11			
15	256QAM	1	37	16.21	16.10	16.07			
15	256QAM	1	74	15.88	16.04	16.17			
15	256QAM	36	0	15.93	16.05	16.25	17.3	0	
15	256QAM	36	20	16.06	15.93	16.13			
15	256QAM	36	39	16.00	16.06	16.22			
15	256QAM	75	0	16.13	16.10	16.17			
Channel				43140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	16.53	16.65	16.56	17.3	0	
10	QPSK	1	25	16.57	16.54	16.42			
10	QPSK	1	49	16.51	16.45	16.48			
10	QPSK	25	0	16.54	16.54	16.44			
10	QPSK	25	12	16.39	16.38	16.42	17.3	0	
10	QPSK	25	25	16.29	16.35	16.49			
10	QPSK	50	0	16.31	16.32	16.19			
10	16QAM	1	0	16.27	16.31	16.29			
10	16QAM	1	25	16.18	16.23	16.29	17.3	0	
10	16QAM	1	49	15.96	16.00	16.16			
10	16QAM	25	0	16.00	16.91	16.27			
10	16QAM	25	12	15.90	15.97	16.02			
10	16QAM	25	25	16.14	16.24	16.22	17.3	0	
10	16QAM	50	0	16.13	16.14	16.08			
10	64QAM	1	0	16.27	16.24	16.07			
10	64QAM	1	25	16.06	16.03	16.34			
10	64QAM	1	49	16.05	16.10	16.15	17.3	0	
10	64QAM	25	0	16.13	16.03	16.16			
10	64QAM	25	12	16.18	16.22	16.12			
10	64QAM	25	25	16.17	16.08	16.15			
10	64QAM	50	0	15.86	15.90	16.26	17.3	0	
10	256QAM	1	0	16.18	16.17	16.14			
10	256QAM	1	25	16.28	16.20	16.06			
10	256QAM	1	49	15.90	15.91	16.18			
10	256QAM	25	0	15.97	15.95	16.20	17.3	0	
10	256QAM	25	12	15.91	16.04	16.22			
10	256QAM	25	25	15.97	16.08	16.11			
10	256QAM	50	0	16.10	16.21	16.07			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	16.50	16.54	16.63	17.3	0	
5	QPSK	1	12	16.45	16.54	16.50			
5	QPSK	1	24	16.52	16.54	16.47			
5	QPSK	12	0	16.41	16.56	16.45			
5	QPSK	12	7	16.35	16.41	16.38	17.3	0	
5	QPSK	12	13	16.30	16.46	16.42			
5	QPSK	25	0	16.32	16.29	16.25			
5	16QAM	1	0	16.31	16.23	16.21			
5	16QAM	1	12	16.32	16.26	16.29	17.3	0	
5	16QAM	1	24	16.06	15.96	16.17			
5	16QAM	12	0	15.95	15.94	16.21			
5	16QAM	12	7	15.94	16.06	16.09			
5	16QAM	12	13	16.20	16.25	16.14	17.3	0	
5	16QAM	25	0	16.17	16.05	16.07			
5	64QAM	1	0	16.14	16.20	15.99			
5	64QAM	1	12	16.11	16.10	16.19			
5	64QAM	1	24	16.19	16.09	16.12	17.3	0	
5	64QAM	12	0	16.06	16.16	16.11			
5	64QAM	12	7	16.25	16.12	15.99			
5	64QAM	12	13	16.02	16.06	16.28			
5	256QAM	25	0	15.92	15.98	16.19	17.3	0	
5	256QAM	1	0	16.15	16.17	16.17			
5	256QAM	1	12	16.28	16.17	16.04			
5	256QAM	1	24	15.94	15.97	16.19			
5	256QAM	12	0	15.88	15.98	16.28	17.3	0	
5	256QAM	12	7	15.92	15.97	16.14			
5	256QAM	12	13	16.05	16.02	16.13			
5	256QAM	25	0	16.11	16.13	16.13			

Reduced Power Mode for ECI3

GSM850 Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.6		824.2	836.4	848.6	
GSM 1 Tx slot		32.02	31.98	31.84	33.50	23.02	22.98	22.94	24.50
GPRS 1 Tx slot		32.01	32.02	31.91	33.50	23.01	23.02	22.91	24.50
GPRS 2 Tx slots		31.22	31.23	31.16	32.50	25.22	25.23	25.16	26.50
GPRS 3 Tx slots		29.41	29.42	29.33	30.50	25.15	25.16	25.07	26.24
GPRS 4 Tx slots		28.20	28.25	28.13	29.50	25.20	25.25	25.13	26.50
EDGE 1 Tx slot		26.38	26.43	26.45	27.50	17.38	17.43	17.45	18.50
EDGE 2 Tx slots		25.14	25.23	25.37	26.50	19.14	19.23	19.37	20.50
EDGE 3 Tx slots		22.91	22.98	23.07	24.00	18.85	18.72	18.81	19.74
EDGE 4 Tx slots		21.58	21.66	21.69	22.50	18.56	18.66	18.69	19.50

GSM1900 Ant 0		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot		28.85	28.84	29.01	30.30	19.85	19.84	20.01	21.30
GPRS 1 Tx slot		28.85	28.86	28.99	30.30	19.85	19.86	19.99	21.30
GPRS 2 Tx slots		26.27	26.31	26.44	27.30	20.27	20.31	20.44	21.30
GPRS 3 Tx slots		24.61	24.51	24.67	25.50	20.35	20.25	20.41	21.24
GPRS 4 Tx slots		23.57	23.64	23.63	24.30	20.57	20.64	20.63	21.30
EDGE 1 Tx slot		25.62	25.48	25.70	26.50	16.62	16.48	16.70	17.50
EDGE 2 Tx slots		24.47	24.31	24.52	25.50	18.47	18.31	18.52	19.50
EDGE 3 Tx slots		22.24	22.06	22.39	23.00	17.98	17.80	18.13	18.74
EDGE 4 Tx slots		21.04	20.77	20.99	22.00	18.04	17.77	17.99	19.00

Band		WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			Tune-up Limit (dBm)	WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4162	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	18.71	18.87	18.88	20.20	18.60	18.83	18.82	20.20	23.09	23.38	23.36	24.00
3GPP Rel 99	RMC 12.2Kbps	18.73	19.06	19.00	20.20	18.68	18.98	18.92	20.20	23.22	23.53	23.45	24.00
3GPP Rel 6	HSDPA Subtest-1	17.86	17.94	18.01	19.20	17.75	17.87	17.84	19.20	22.29	22.44	22.39	23.00
3GPP Rel 6	HSDPA Subtest-2	17.91	18.03	17.95	19.20	17.81	17.97	17.86	19.20	22.29	22.43	22.44	23.00
3GPP Rel 6	HSDPA Subtest-3	17.38	17.54	17.35	18.70	17.52	17.55	17.21	18.70	21.90	21.95	21.87	22.50
3GPP Rel 6	HSDPA Subtest-4	17.31	17.52	17.42	18.70	17.28	17.42	17.30	18.70	21.84	21.91	21.89	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.89	17.88	17.93	19.20	17.80	17.85	17.82	19.20	22.36	22.33	22.31	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.78	17.83	17.80	19.20	17.78	17.74	17.73	19.20	22.26	22.32	22.30	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.35	17.49	17.33	18.70	17.38	17.34	17.17	18.70	21.83	21.89	21.78	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.22	17.43	17.23	18.70	17.22	17.42	17.22	18.70	21.76	21.84	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	17.72	17.98	17.87	19.20	17.59	17.82	17.85	19.20	22.25	22.40	22.34	23.00
3GPP Rel 6	HSUPA Subtest-2	15.88	15.95	15.87	17.20	15.85	15.92	15.84	17.20	20.35	20.48	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	16.88	17.15	16.97	18.20	16.90	17.01	16.71	18.20	21.35	21.58	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	15.70	15.93	15.83	17.20	15.67	15.90	15.78	17.20	20.16	20.41	20.30	21.00
3GPP Rel 6	HSUPA Subtest-5	17.71	17.83	17.92	19.20	17.66	17.86	17.89	19.20	22.16	22.32	22.43	23.00
3GPP Rel 7	HSPA+ (10QAM) Subtest-1	15.39	15.44	15.60	16.70	15.33	15.35	15.46	16.70	19.96	19.93	20.04	20.50

Band		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9462	9600	9738		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1890	1907.6		1712.4	1732.6	1752.8		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	16.32	16.64	16.59	17.50	18.34	18.62	18.54	20.20	22.89	23.24	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	16.35	16.77	16.67	17.50	18.41	18.72	18.59	20.20	23.08	23.37	23.26	24.00
3GPP Rel 6	HSDPA Subtest-1	15.54	15.53	15.62	16.50	17.46	17.74	17.55	19.20	22.13	22.31	22.20	23.00
3GPP Rel 6	HSDPA Subtest-2	15.61	15.71	15.66	16.50	17.55	17.67	17.58	19.20	22.19	22.29	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	15.10	15.30	14.97	16.00	17.03	17.24	17.13	18.70	21.71	21.82	21.78	22.50
3GPP Rel 6	HSDPA Subtest-4	15.00	15.17	15.11	16.00	17.05	17.05	17.03	18.70	21.70	21.77	21.69	22.50
3GPP Rel 8	DCHSDPA Subtest-1	15.64	15.59	15.60	16.50	17.44	17.53	17.53	19.20	22.17	22.16	22.14	24.00
3GPP Rel 8	DCHSDPA Subtest-2	15.53	15.55	15.44	16.50	17.44	17.43	17.56	19.20	22.10	22.15	22.14	23.00
3GPP Rel 8	DCHSDPA Subtest-3	15.09	15.16	14.99	16.00	17.09	17.07	17.07	18.70	21.66	21.79	21.67	23.50
3GPP Rel 8	DCHSDPA Subtest-4	14.89	15.07	14.87	16.00	17.03	16.98	16.96	18.70	21.64	21.71	21.64	23.50
3GPP Rel 6	HSUPA Subtest-1	15.41	15.64	15.66	16.50	17.40	17.62	17.63	19.20	22.11	22.31	22.17	23.00
3GPP Rel 6	HSUPA Subtest-2	13.61	13.63	13.59	14.50	15.61	15.59	15.60	17.20	20.22	20.31	20.25	22.00
3GPP Rel 6	HSUPA Subtest-3	14.56	14.78	14.61	15.50	16.47	16.79	16.64	18.20	21.20	21.40	21.27	23.00
3GPP Rel 6	HSUPA Subtest-4	13.41	13.57	13.60	14.50	15.36	15.70	15.54	17.20	20.03	20.25	20.19	22.00
3GPP Rel 6	HSUPA Subtest-5	15.33	15.55	15.58	16.50	17.39	17.60	17.60	19.20	21.99	22.18	22.26	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.11	13.15	13.28	14.00	15.18	15.18	15.24	16.70	19.77	19.79	19.94	21.50

Band 71 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dB)	MFR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.49	22.61	22.47			
20	QPSK	1	48	22.44	22.45	22.36		24	0
20	QPSK	1	96	22.32	22.45	22.34			
20	QPSK	50	0	21.51	21.65	21.57			
20	QPSK	50	24	21.41	21.45	21.38		23	1
20	QPSK	50	50	21.30	21.41	21.33			
20	QPSK	100	0	21.45	21.63	21.48			
20	16QAM	1	0	21.74	21.92	21.83			
20	16QAM	1	48	21.75	21.88	21.75			
20	16QAM	1	96	21.70	21.82	21.70			
20	16QAM	50	0	20.42	20.50	20.35			
20	16QAM	50	24	20.34	20.49	20.34		22	2
20	16QAM	50	50	20.30	20.41	20.31			
20	16QAM	100	0	20.37	20.39	20.32			
20	64QAM	1	0	20.61	20.71	20.72			
20	64QAM	1	48	20.59	20.76	20.72		22	2
20	64QAM	1	96	20.49	20.64	20.58			
20	64QAM	50	0	19.36	19.44	19.34			
20	64QAM	50	24	19.31	19.34	19.24		21	3
20	64QAM	50	50	19.40	19.27	19.24			
20	256QAM	1	0	17.56	17.68	17.68			
20	256QAM	1	48	17.61	17.59	17.44		19	5
20	256QAM	1	96	17.55	17.57	17.61			
20	256QAM	50	0	17.28	17.42	17.38			
20	256QAM	50	24	17.24	17.38	17.21		19	5
20	256QAM	50	50	17.35	17.33	17.22			
20	256QAM	100	0	17.26	17.40	17.24			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.45	22.59	22.36			
15	QPSK	1	37	22.33	22.45	22.28		24	0
15	QPSK	1	74	22.24	22.39	22.28			
15	QPSK	36	0	21.47	21.54	21.55			
15	QPSK	36	20	21.38	21.45	21.29		23	1
15	QPSK	36	39	21.24	21.40	21.32			
15	QPSK	75	0	21.42	21.58	21.48			
15	16QAM	1	0	21.67	21.80	21.73			
15	16QAM	1	37	21.68	21.80	21.71		23	1
15	16QAM	1	74	21.60	21.74	21.70			
15	16QAM	36	0	20.32	20.38	20.32			
15	16QAM	36	20	20.31	20.45	20.28		22	2
15	16QAM	36	39	20.25	20.31	20.23			
15	16QAM	75	0	20.34	20.37	20.24			
15	64QAM	1	0	20.60	20.59	20.62			
15	64QAM	1	37	20.54	20.65	20.58		22	2
15	64QAM	1	74	20.47	20.55	20.55			
15	64QAM	36	0	19.31	19.38	19.33			
15	64QAM	36	20	19.36	19.28	19.26		21	3
15	64QAM	36	39	19.35	19.15	19.15			
15	64QAM	75	0	19.35	19.35	19.17			
15	256QAM	1	0	17.54	17.50	17.40			
15	256QAM	1	37	17.58	17.55	17.39		19	5
15	256QAM	1	74	17.48	17.48	17.57			
15	256QAM	36	0	17.20	17.22	17.36			
15	256QAM	36	20	17.23	17.31	17.13		19	5
15	256QAM	36	39	17.31	17.29	17.18			
15	256QAM	75	0	17.34	17.30	17.29			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.43	22.57	22.43			
10	QPSK	1	25	22.38	22.35	22.31		24	0
10	QPSK	1	48	22.28	22.44	22.30			
10	QPSK	25	0	21.48	21.61	21.47			
10	QPSK	25	12	21.30	21.36	21.26		23	1
10	QPSK	25	25	21.26	21.37	21.27			
10	QPSK	50	0	21.43	21.58	21.38			
10	16QAM	1	0	21.64	21.82	21.83		23	1
10	16QAM	1	25	21.64	21.83	21.85			
10	16QAM	1	48	21.65	21.76	21.72			
10	16QAM	25	0	20.41	20.35	20.33			
10	16QAM	25	12	20.24	20.37	20.22		22	2
10	16QAM	50	0	20.30	20.38	20.33			
10	16QAM	50	0	20.32	20.38	20.30			
10	64QAM	1	0	20.59	20.63	20.61		22	2
10	64QAM	1	25	20.57	20.66	20.70			
10	64QAM	1	48	20.40	20.64	20.65			
10	64QAM	25	0	19.35	19.36	19.32		21	3
10	64QAM	25	12	19.29	19.28	19.27			
10	64QAM	25	25	19.39	19.17	19.12			
10	64QAM	50	0	19.31	19.29	19.16			
10	256QAM	1	0	17.44	17.52	17.55		19	5
10	256QAM	1	25	17.58	17.52	17.34			
10	256QAM	1	48	17.50	17.52	17.58			
10	256QAM	25	0	17.22	17.24	17.28			
10	256QAM	25	12	17.17	17.27	17.18		19	5
10	256QAM	25	25	17.28	17.21	17.16			
10	256QAM	50	0	17.25	17.42	17.25			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.37	22.50	22.35			
5	QPSK	1	12	22.35	22.44	22.29		24	0
5	QPSK	1	24	22.28	22.42	22.25			
5	QPSK	12	0	21.60	21.67	21.53			
5	QPSK	12	7	21.39	21.37	21.33		23	1
5	QPSK	12	13	21.26	21.37	21.24			
5	QPSK	25	0	21.43	21.53	21.43			
5	16QAM	1	0	21.73	21.92	21.73			
5	16QAM	1	12	21.66	21.75	21.64		23	1
5	16QAM	1	24	21.69	21.80	21.67			
5	16QAM	12	0	20.38	20.44	20.28			
5	16QAM	12	7	20.23	20.45	20.29		22	2
5	16QAM	12	13	20.26	20.34	20.22			
5	16QAM	25	0	20.28	20.30	20.25			
5	64QAM	1	0	20.51	20.66	20.64		22	2
5	64QAM	1	12	20.52	20.71	20.60			
5	64QAM	1	24	20.42	20.55	20.58			
5	64QAM	12	0	19.31	19.38	19.36		21	3
5	64QAM	12	7	19.20	19.27	19.16			
5	64QAM	12	13	19.33	19.17	19.17			
5	64QAM	25	0	19.29	19.26	19.22		19	5
5	256QAM	1	0	17.53	17.67	17.63			
5	256QAM	1	12	17.54	17.49	17.36			
5	256QAM	1	24	17.50	17.47	17.52			
5	256QAM	12	0	17.21	17.20	17.32			
5	256QAM	12	7	17.21	17.28	17.09		19	5
5	256QAM	12	13	17.29	17.26	17.21			
5	256QAM	25	0	17.31	17.36	17.33			



Band 42 FCC Part27Q Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (min)	MPR (dB)		
Channel				42160	42590	42990	Turn-up time (min)	MPR (dB)		
Frequency (MHz)				3450	3660	42990				
20	QPSK	1	0	23.13	23.15	23.90	24	0		
20	QPSK	1	48	23.01	23.02	23.91				
20	QPSK	1	99	23.01	23.02	23.90				
20	QPSK	50	0	22.19	22.19	23.11				
20	QPSK	50	24	22.61	22.64	21.90	23	1		
20	QPSK	50	50	21.99	21.98	21.92				
20	QPSK	100	0	22.16	22.16	21.99				
20	HQAM	1	0	22.48	22.41	22.94				
20	HQAM	1	48	22.43	22.35	22.36	23	1		
20	HQAM	1	99	22.37	22.43	22.36				
20	HQAM	50	0	21.63	21.64	20.88				
20	HQAM	50	24	21.01	21.07	20.85				
20	HQAM	50	50	20.62	20.60	20.64	22	2		
20	HQAM	100	0	20.96	20.96	20.99				
20	HQAM	1	0	21.27	21.27	21.25				
20	HQAM	1	48	21.27	21.28	21.19				
20	HQAM	1	99	21.17	21.15	21.26	22	2		
20	HQAM	50	0	20.01	19.97	19.96				
20	HQAM	50	24	19.98	19.89	19.83				
20	HQAM	50	50	19.87	19.83	19.86				
20	HQAM	100	0	19.96	19.95	19.84	21	3		
20	256QAM	1	0	18.24	18.17	18.14				
20	256QAM	1	48	18.20	18.16	18.07				
20	256QAM	1	99	18.08	18.14	18.12				
20	256QAM	50	0	17.68	17.67	17.56	19	5		
20	256QAM	50	24	17.66	17.69	17.75				
20	256QAM	50	50	17.62	17.60	17.63				
20	256QAM	100	0	17.66	18.01	17.68				
Channel				42165 <th>42590</th> <th>43015</th> <th rowspan="2">Turn-up time (min)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	42590	43015	Turn-up time (min)		MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5				
15	QPSK	1	0	23.08	23.10	23.87	24	0		
15	QPSK	1	37	22.94	22.84	22.80				
15	QPSK	1	74	22.92	22.82	22.70				
15	QPSK	36	0	22.03	22.13	22.98				
15	QPSK	36	20	21.90	21.99	21.85	23	1		
15	QPSK	36	48	21.91	21.88	21.88				
15	QPSK	75	0	22.06	21.98	21.92				
15	HQAM	1	0	22.36	22.33	22.27				
15	HQAM	1	37	22.36	22.27	22.32	23	1		
15	HQAM	1	74	22.35	22.31	22.20				
15	HQAM	36	0	21.00	20.91	20.77				
15	HQAM	36	20	20.98	20.94	20.92				
15	HQAM	36	39	20.80	20.87	20.80	22	2		
15	HQAM	75	0	20.91	20.82	20.78				
15	HQAM	1	0	21.25	21.13	21.31				
15	HQAM	1	37	21.15	21.19	21.09				
15	HQAM	1	74	21.13	21.05	21.18	21	3		
15	HQAM	36	0	19.63	19.62	19.63				
15	HQAM	36	20	19.91	19.89	19.72				
15	HQAM	36	39	19.63	19.72	19.63				
15	HQAM	75	0	19.89	19.92	19.81	19	5		
15	256QAM	1	0	18.16	18.10	18.04				
15	256QAM	1	37	18.10	18.02	18.00				
15	256QAM	1	74	18.00	18.12	18.02				
15	256QAM	36	0	17.94	17.81	17.87	19	5		
15	256QAM	36	20	17.73	17.82	17.70				
15	256QAM	36	39	17.86	17.77	17.78				
15	256QAM	75	0	17.67	17.68	17.75				
Channel				42160	42590	42990	Turn-up time (min)		MPR (dB)	
Frequency (MHz)				3452.5	3500	3545				
10	QPSK	1	0	23.04	23.10	23.94	24	0		
10	QPSK	1	25	22.90	22.94	22.79				
10	QPSK	1	49	22.96	22.84	22.71				
10	QPSK	36	0	22.06	22.08	21.98				
10	QPSK	25	12	21.89	21.94	21.82	23	1		
10	QPSK	25	25	21.62	21.65	21.81				
10	QPSK	50	0	22.02	22.05	21.96				
10	HQAM	1	0	22.37	22.27	22.20				
10	HQAM	1	25	22.41	22.27	22.32	23	1		
10	HQAM	1	49	22.26	22.35	22.21				
10	HQAM	25	0	20.93	20.96	20.80				
10	HQAM	25	12	20.67	21.03	20.72				
10	HQAM	25	25	20.89	20.84	20.86	22	2		
10	HQAM	50	0	20.89	20.85	20.75				
10	HQAM	1	0	21.14	21.22	21.22				
10	HQAM	1	25	21.24	21.22	21.13				
10	HQAM	1	49	21.10	21.09	21.19	22	2		
10	HQAM	25	0	19.97	19.85	19.81				
10	HQAM	25	12	19.90	19.75	19.75				
10	HQAM	25	25	19.74	19.71	19.83				
10	HQAM	50	0	19.90	19.83	19.81	19	5		
10	256QAM	1	0	18.10	18.05	18.11				
10	256QAM	1	25	18.09	18.06	17.99				
10	256QAM	1	49	18.02	18.01	18.00				
10	256QAM	25	0	17.96	17.93	17.78	19	5		
10	256QAM	25	12	17.90	17.80	17.66				
10	256QAM	25	25	17.85	17.75	17.75				
10	256QAM	50	0	17.90	17.85	17.74				
Channel				43115	43560	43985	Turn-up time (min)		MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	23.08	23.02	22.88	24	0		
5	QPSK	1	12	22.97	22.91	22.83				
5	QPSK	1	24	22.92	22.92	22.69				
5	QPSK	12	0	22.63	22.15	21.98				
5	QPSK	12	7	21.95	22.01	21.83	23	1		
5	QPSK	12	13	21.85	21.86	21.78				
5	QPSK	25	0	22.03	22.08	21.92				
5	HQAM	1	0	22.39	22.31	22.22				
5	HQAM	1	12	22.36	22.25	22.13	23	1		
5	HQAM	1	24	22.24	22.38	22.32				
5	HQAM	12	0	20.98	21.02	20.77				
5	HQAM	12	7	20.88	20.96	20.72				
5	HQAM	12	13	20.84	20.84	20.90	22	2		
5	HQAM	25	0	20.89	20.93	20.85				
5	HQAM	1	0	21.22	21.19	21.28				
5	HQAM	1	12	21.16	21.19	21.09				
5	HQAM	1	24	21.08	21.11	21.18	21	3		
5	HQAM	12	0	19.87	19.84	19.92				
5	HQAM	12	7	19.91	19.85	19.79				
5	HQAM	25	0	19.85	19.82	19.71				
5	256QAM	1	0	18.17	18.07	18.01	19	5		
5	256QAM	1	12	18.12	18.07	17.99				
5	256QAM	1	24	17.99	18.02	17.99				
5	256QAM	12	0	17.86	17.86	17.83				
5	256QAM	12	7	17.84	17.81	17.84	19	5		
5	256QAM	12	13	17.80	17.81	17.73				
5	256QAM	25	0	17.84	17.89	17.84				

Band 42 FCC Part27Q Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				Channel	42190	42590	42990		
				Frequency (MHz)	3450	3500	3550		
20	QPSK	1	0	17.69	17.74	17.54		18.8	0
20	QPSK	1	49	17.53	17.52	17.52			
20	QPSK	1	99	17.46	17.57	17.59			
20	QPSK	50	0	17.86	17.59	17.53			
20	QPSK	50	24	17.49	17.49	17.58		18.8	0
20	QPSK	50	50	17.51	17.58	17.54			
20	QPSK	100	0	17.53	17.58	17.50			
20	16QAM	1	0	17.46	17.51	17.54			
20	16QAM	1	49	17.46	17.50	17.57		18.8	0
20	16QAM	1	99	17.52	17.54	17.57			
20	16QAM	50	0	17.48	17.49	17.57			
20	16QAM	50	24	17.47	17.55	17.54			
20	16QAM	50	50	17.53	17.54	17.58		18.8	0
20	16QAM	100	0	17.47	17.57	17.54			
20	64QAM	1	0	17.52	17.54	17.57			
20	64QAM	1	49	17.44	17.57	17.59			
20	64QAM	1	99	17.49	17.58	17.50		18.8	0
20	64QAM	50	0	17.47	17.54	17.58			
20	64QAM	50	24	17.51	17.54	17.52			
20	64QAM	50	50	17.53	17.56	17.57			
20	64QAM	100	0	17.46	17.53	17.58		18.8	0
20	256QAM	1	0	17.48	17.58	17.51			
20	256QAM	1	49	17.47	17.53	17.54			
20	256QAM	1	99	17.54	17.58	17.59			
20	256QAM	50	0	17.44	17.56	17.49		18.8	0
20	256QAM	50	24	17.46	17.54	17.55			
20	256QAM	50	50	17.52	17.58	17.54			
20	256QAM	100	0	17.46	17.56	17.55			
				Channel	42469	42590	42615		
				Frequency (MHz)	3457.5	3500	3542.5		
15	QPSK	1	0	17.51	17.55	17.30		18.8	0
15	QPSK	1	37	17.36	17.34	17.36			
15	QPSK	1	74	17.21	17.34	17.42			
15	QPSK	36	0	17.31	17.43	17.37			
15	QPSK	36	20	17.24	17.27	17.37		18.8	0
15	QPSK	36	39	17.33	17.42	17.34			
15	QPSK	75	0	17.36	17.40	17.33			
15	16QAM	1	0	17.31	17.28	17.38			
15	16QAM	1	37	17.25	17.34	17.34		18.8	0
15	16QAM	1	74	17.36	17.39	17.41			
15	16QAM	36	0	17.32	17.26	17.39			
15	16QAM	36	20	17.23	17.37	17.38			
15	16QAM	36	39	17.32	17.38	17.36		18.8	0
15	16QAM	75	0	17.28	17.34	17.38			
15	64QAM	1	0	17.36	17.35	17.40			
15	64QAM	1	37	17.25	17.41	17.37			
15	64QAM	1	74	17.30	17.40	17.30		18.8	0
15	64QAM	36	0	17.31	17.36	17.39			
15	64QAM	36	20	17.33	17.33	17.31			
15	64QAM	36	39	17.30	17.36	17.34			
15	64QAM	75	0	17.27	17.36	17.39		18.8	0
15	256QAM	1	0	17.31	17.39	17.29			
15	256QAM	1	37	17.28	17.28	17.37			
15	256QAM	1	74	17.30	17.40	17.40			
15	256QAM	36	0	17.28	17.41	17.30		18.8	0
15	256QAM	36	20	17.24	17.29	17.33			
15	256QAM	36	39	17.28	17.34	17.30			
15	256QAM	75	0	17.26	17.40	17.30			
				Channel	42140	42590	43040		
				Frequency (MHz)	3455	3500	3545		
10	QPSK	1	0	17.51	17.54	17.36		18.8	0
10	QPSK	1	25	17.29	17.29	17.34			
10	QPSK	1	49	17.25	17.41	17.43			
10	QPSK	25	0	17.39	17.38	17.28			
10	QPSK	25	12	17.27	17.29	17.37		18.8	0
10	QPSK	25	25	17.26	17.36	17.38			
10	QPSK	50	0	17.31	17.40	17.27			
10	16QAM	1	0	17.29	17.34	17.30			
10	16QAM	1	25	17.29	17.30	17.39		18.8	0
10	16QAM	1	49	17.31	17.38	17.38			
10	16QAM	25	0	17.32	17.28	17.42			
10	16QAM	25	12	17.25	17.33	17.29			
10	16QAM	25	25	17.32	17.38	17.36		18.8	0
10	16QAM	50	0	17.28	17.36	17.25			
10	64QAM	1	0	17.34	17.31	17.40			
10	64QAM	1	25	17.24	17.37	17.42			
10	64QAM	1	49	17.25	17.35	17.26		18.8	0
10	64QAM	25	0	17.30	17.36	17.37			
10	64QAM	25	12	17.33	17.36	17.28			
10	64QAM	25	25	17.30	17.33	17.38			
10	64QAM	50	0	17.29	17.37	17.39		18.8	0
10	256QAM	1	0	17.26	17.38	17.28			
10	256QAM	1	25	17.26	17.29	17.30			
10	256QAM	1	49	17.34	17.35	17.39			
10	256QAM	25	0	17.19	17.31	17.29		18.8	0
10	256QAM	25	12	17.25	17.33	17.37			
10	256QAM	25	25	17.33	17.36	17.38			
10	256QAM	50	0	17.24	17.31	17.33			
				Channel	42115	42590	43065		
				Frequency (MHz)	3452.5	3500	3547.5		
5	QPSK	1	0	17.47	17.57	17.35		18.8	0
5	QPSK	1	12	17.28	17.31	17.33			
5	QPSK	1	24	17.24	17.37	17.40			
5	QPSK	12	0	17.33	17.44	17.32			
5	QPSK	12	7	17.24	17.27	17.37		18.8	0
5	QPSK	12	13	17.32	17.39	17.37			
5	QPSK	25	0	17.30	17.39	17.33			
5	16QAM	1	0	17.30	17.36	17.32			
5	16QAM	1	12	17.30	17.25	17.34		18.8	0
5	16QAM	1	24	17.34	17.37	17.32			
5	16QAM	12	0	17.27	17.29	17.37			
5	16QAM	12	7	17.27	17.30	17.34			
5	16QAM	12	13	17.36	17.37	17.41		18.8	0
5	16QAM	25	0	17.22	17.40	17.38			
5	64QAM	1	0	17.34	17.33	17.39			
5	64QAM	1	12	17.25	17.39	17.42			
5	64QAM	1	24	17.25	17.33	17.28		18.8	0
5	64QAM	12	0	17.26	17.29	17.35			
5	64QAM	12	7	17.27	17.38	17.35			
5	64QAM	12	13	17.32	17.37	17.35			
5	256QAM	25	0	17.25	17.36	17.40		18.8	0
5	256QAM	1	0	17.32	17.34	17.33			
5	256QAM	1	12	17.23	17.36	17.37			
5	256QAM	1	24	17.32	17.42	17.40			
5	256QAM	12	0	17.27	17.32	17.25		18.8	0
5	256QAM	12	7	17.28	17.35	17.35			
5	256QAM	12	13	17.28	17.42	17.38			
5	256QAM	25	0	17.31	17.41	17.34			

Band 42 FCC Part27Q Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					42190	42590	42990		
Frequency (MHz)					3400	3500	3540		
20	QPSK	1	0		19.59	19.62	19.50	20.9	0
20	QPSK	1	49		19.44	19.40	19.35		
20	QPSK	1	99		19.42	19.40	19.36		
20	QPSK	50	0		19.57	19.59	19.50		
20	QPSK	50	24		19.44	19.50	19.47	20.9	0
20	QPSK	50	50		19.48	19.35	19.50		
20	QPSK	100	0		19.55	19.57	19.51		
20	16QAM	1	0		19.43	19.38	19.41		
20	16QAM	1	49		19.43	19.43	19.52	20.9	0
20	16QAM	1	99		19.48	19.34	19.47		
20	16QAM	50	0		19.44	19.46	19.37		
20	16QAM	50	24		19.44	19.47	19.33		
20	16QAM	50	50		19.50	19.52	19.49	20.9	0
20	16QAM	100	0		19.55	19.41	19.46		
20	64QAM	1	0		19.46	19.36	19.38		
20	64QAM	1	49		19.52	19.36	19.38		
20	64QAM	1	99		19.43	19.44	19.47	20.9	0
20	64QAM	50	0		19.56	19.49	19.34		
20	64QAM	50	24		19.44	19.49	19.46		
20	64QAM	50	50		19.39	19.42	19.49		
20	64QAM	100	0		19.56	19.40	19.34	18	2.9
20	256QAM	1	0		17.03	16.95	17.00		
20	256QAM	1	49		17.07	16.90	16.79		
20	256QAM	1	99		16.93	16.84	16.91		
20	256QAM	50	0		16.90	16.83	16.64	18	2.9
20	256QAM	50	24		16.81	16.71	16.48		
20	256QAM	50	50		16.83	16.74	16.53		
20	256QAM	100	0		16.79	16.71	16.62		
Channel					42190	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3457.5	3500	3542.5		
15	QPSK	1	0		19.44	19.47	19.28	20.9	0
15	QPSK	1	37		19.33	19.22	19.05		
15	QPSK	1	74		19.22	19.16	19.15		
15	QPSK	36	0		19.35	19.37	19.23		
15	QPSK	36	20		19.33	19.32	19.22	20.9	0
15	QPSK	36	39		19.24	19.08	19.28		
15	QPSK	75	0		19.43	19.23	19.32		
15	16QAM	1	0		19.19	19.11	19.20		
15	16QAM	1	37		19.21	19.32	19.31	20.9	0
15	16QAM	1	74		19.28	19.19	19.20		
15	16QAM	36	0		19.34	19.29	19.25		
15	16QAM	36	20		19.32	19.20	19.24		
15	16QAM	36	39		19.25	19.29	19.37	20.9	0
15	16QAM	75	0		19.30	19.13	19.34		
15	64QAM	1	0		19.16	19.15	19.08		
15	64QAM	1	37		19.32	19.07	19.14		
15	64QAM	1	74		19.29	19.33	19.32	20.9	0
15	64QAM	36	0		19.32	19.23	19.13		
15	64QAM	36	20		19.28	19.25	19.30		
15	64QAM	36	39		19.11	19.24	19.37		
15	64QAM	75	0		19.44	19.12	19.04	18	2.9
15	256QAM	1	0		16.82	16.81	16.73		
15	256QAM	1	37		16.87	16.75	16.69		
15	256QAM	1	74		16.89	16.59	16.75		
15	256QAM	36	0		16.75	16.64	16.40	18	2.9
15	256QAM	36	20		16.53	16.43	16.37		
15	256QAM	36	39		16.61	16.47	16.39		
15	256QAM	75	0		16.65	16.54	16.50		
Channel					42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3455	3500	3545		
10	QPSK	1	0		19.46	19.44	19.21	20.9	0
10	QPSK	1	25		19.22	19.11	19.17		
10	QPSK	1	49		19.20	19.12	19.20		
10	QPSK	25	0		19.31	19.39	19.31		
10	QPSK	25	12		19.30	19.26	19.36	20.9	0
10	QPSK	25	25		19.23	19.07	19.29		
10	QPSK	50	0		19.32	19.37	19.32		
10	16QAM	1	0		19.20	19.10	19.27		
10	16QAM	1	25		19.31	19.18	19.42	20.9	0
10	16QAM	1	49		19.25	19.23	19.32		
10	16QAM	25	0		19.25	19.28	19.22		
10	16QAM	25	12		19.27	19.21	19.13		
10	16QAM	25	25		19.35	19.32	19.26	20.9	0
10	16QAM	50	0		19.32	19.27	19.29		
10	64QAM	1	0		19.29	19.25	19.23		
10	64QAM	1	25		19.37	19.08	19.23		
10	64QAM	1	49		19.25	19.34	19.27	20.9	0
10	64QAM	25	0		19.43	19.31	19.19		
10	64QAM	25	12		19.14	19.25	19.27		
10	64QAM	25	25		19.13	19.20	19.30		
10	64QAM	50	0		19.42	19.22	19.09	18	2.9
10	256QAM	1	0		16.76	16.66	16.72		
10	256QAM	1	25		16.94	16.64	16.51		
10	256QAM	1	49		16.80	16.63	16.72		
10	256QAM	25	0		16.72	16.53	16.50	18	2.9
10	256QAM	25	12		16.67	16.52	16.29		
10	256QAM	25	25		16.69	16.64	16.27		
10	256QAM	50	0		16.67	16.42	16.38		
Channel					42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3452.5	3500	3547.5		
5	QPSK	1	0		19.43	19.37	19.31	20.9	0
5	QPSK	1	12		19.18	19.27	19.20		
5	QPSK	1	24		19.16	19.24	19.15		
5	QPSK	12	0		19.44	19.36	19.37		
5	QPSK	12	7		19.18	19.32	19.25	20.9	0
5	QPSK	12	13		19.37	19.19	19.31		
5	QPSK	25	0		19.39	19.22	19.31		
5	16QAM	1	0		19.18	19.15	19.21		
5	16QAM	1	12		19.19	19.13	19.34	20.9	0
5	16QAM	1	24		19.31	19.14	19.34		
5	16QAM	12	0		19.27	19.32	19.12		
5	16QAM	12	7		19.18	19.28	19.16		
5	16QAM	12	13		19.25	19.39	19.27	20.9	0
5	16QAM	25	0		19.43	19.15	19.34		
5	64QAM	1	0		19.17	19.07	19.25		
5	64QAM	1	12		19.32	19.11	19.20		
5	64QAM	1	24		19.29	19.15	19.19	20.9	0
5	64QAM	12	0		19.44	19.37	19.10		
5	64QAM	12	7		19.16	19.36	19.28		
5	64QAM	12	13		19.12	19.32	19.20		
5	256QAM	25	0		19.35	19.11	19.23	18	2.9
5	256QAM	1	0		16.89	16.70	16.71		
5	256QAM	1	12		16.82	16.72	16.64		
5	256QAM	1	24		16.83	16.62	16.78		
5	256QAM	12	0		16.75	16.70	16.38	18	2.9
5	256QAM	12	7		16.62	16.56	16.29		
5	256QAM	12	13		16.59	16.59	16.38		
5	256QAM	25	0		16.66	16.59	16.38		

Band 42 FCC Part27Q Ant 7									
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				42190	42590	42990			
Frequency (MHz)				4200	42500	3540			
20	QPSK	1	0	19.48	19.71	19.40	20.6	0	
20	QPSK	1	49	19.45	19.54	19.56			
20	QPSK	1	99	19.40	19.49	19.55			
20	QPSK	50	0	19.45	19.57	19.47			
20	QPSK	50	24	19.42	19.41	19.58	20.6	0	
20	QPSK	50	50	19.43	19.48	19.45			
20	QPSK	100	0	19.46	19.47	19.44			
20	16QAM	1	0	19.42	19.45	19.43			
20	16QAM	1	49	19.41	19.45	19.47	20.6	0	
20	16QAM	1	99	19.47	19.53	19.53			
20	16QAM	50	0	19.39	19.43	19.38			
20	16QAM	50	24	19.38	19.48	19.55			
20	16QAM	50	50	19.42	19.49	19.53	20.6	0	
20	16QAM	100	0	19.40	19.45	19.54			
20	64QAM	1	0	19.43	19.42	19.47			
20	64QAM	1	49	19.38	19.62	19.49			
20	64QAM	1	99	19.43	19.33	19.52	20.6	0	
20	64QAM	50	0	19.42	19.58	19.49			
20	64QAM	50	24	19.39	19.44	19.50			
20	64QAM	50	50	19.42	19.49	19.50			
20	256QAM	100	0	19.46	19.35	19.56	17.8	2.8	
20	256QAM	1	0	17.00	16.97	16.90			
20	256QAM	1	49	17.03	16.96	16.86			
20	256QAM	1	99	17.00	16.94	16.97			
15	256QAM	50	0	16.67	16.79	16.75	17.8	2.8	
20	256QAM	50	24	16.59	16.66	16.52			
20	256QAM	50	50	16.62	16.65	16.62			
20	256QAM	100	0	16.80	16.79	16.71			
Channel				43160	43590	43915			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.23	19.49	19.28	20.6	0	
15	QPSK	1	37	19.27	19.11	19.29			
15	QPSK	1	74	19.26	19.19	19.30			
15	QPSK	36	0	19.38	19.34	19.37			
15	QPSK	36	20	19.17	19.18	19.28	20.6	0	
15	QPSK	36	39	19.33	19.10	19.30			
15	QPSK	75	0	19.21	19.24	19.24			
15	16QAM	1	0	19.32	19.17	19.24			
15	16QAM	1	37	19.40	19.28	19.27	20.6	0	
15	16QAM	1	74	19.35	19.21	19.33			
15	16QAM	36	0	19.13	19.33	19.20			
15	16QAM	36	20	19.18	19.19	19.29			
15	16QAM	36	39	19.33	19.31	19.45	20.6	0	
15	16QAM	75	0	19.28	19.10	19.33			
15	64QAM	1	0	19.19	19.33	19.10			
15	64QAM	1	37	19.29	19.27	19.27			
15	64QAM	1	74	19.31	19.21	19.30	20.6	0	
15	64QAM	36	0	19.21	19.40	19.28			
15	64QAM	36	20	19.16	19.34	19.34			
15	64QAM	36	39	19.29	19.23	19.37			
15	64QAM	75	0	19.39	19.27	19.32	17.8	2.8	
15	256QAM	1	0	16.85	16.68	16.87			
15	256QAM	1	37	16.68	16.73	16.54			
15	256QAM	1	74	16.79	16.79	16.79			
15	256QAM	36	0	16.43	16.65	16.47	17.8	2.8	
15	256QAM	36	20	16.44	16.63	16.40			
15	256QAM	36	39	16.59	16.53	16.42			
15	256QAM	75	0	16.68	16.64	16.44			
Channel				42140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.17	19.50	19.13	20.6	0	
10	QPSK	1	25	19.21	19.17	19.34			
10	QPSK	1	49	19.16	19.28	19.27			
10	QPSK	25	0	19.16	19.38	19.32			
10	QPSK	25	12	19.26	19.30	19.29	20.6	0	
10	QPSK	25	25	19.21	19.11	19.33			
10	QPSK	50	0	19.16	19.17	19.18			
10	16QAM	1	0	19.29	19.23	19.28			
10	16QAM	1	25	19.19	19.29	19.27	20.6	0	
10	16QAM	1	49	19.28	19.31	19.27			
10	16QAM	25	0	19.11	19.36	19.29			
10	16QAM	25	12	19.21	19.28	19.32			
10	16QAM	25	25	19.47	19.36	19.44	20.6	0	
10	16QAM	50	0	19.22	19.23	19.39			
10	64QAM	1	0	19.18	19.22	19.16			
10	64QAM	1	25	19.19	19.51	19.43			
10	64QAM	1	49	19.28	19.18	19.37	20.6	0	
10	64QAM	25	0	19.17	19.36	19.25			
10	64QAM	25	12	19.09	19.25	19.32			
10	64QAM	25	25	19.44	19.30	19.30			
10	64QAM	50	0	19.30	19.21	19.25	17.8	2.8	
10	256QAM	1	0	16.74	16.76	16.77			
10	256QAM	1	25	16.67	16.73	16.62			
10	256QAM	1	49	16.74	16.77	16.61			
10	256QAM	25	0	16.49	16.58	16.61	17.8	2.8	
10	256QAM	25	12	16.51	16.54	16.31			
10	256QAM	25	25	16.51	16.57	16.51			
10	256QAM	50	0	16.56	16.44	16.54			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.28	19.53	19.12	20.6	0	
5	QPSK	1	12	19.17	19.22	19.34			
5	QPSK	1	24	19.24	19.34	19.36			
5	QPSK	12	0	19.32	19.42	19.31			
5	QPSK	12	7	19.29	19.23	19.48	20.6	0	
5	QPSK	12	13	19.33	19.16	19.52			
5	QPSK	25	0	19.07	19.16	19.24			
5	16QAM	1	0	19.19	19.21	19.28			
5	16QAM	1	12	19.21	19.29	19.21	20.6	0	
5	16QAM	1	24	19.24	19.30	19.14			
5	16QAM	12	0	19.26	19.21	19.11			
5	16QAM	12	7	19.12	19.27	19.23			
5	16QAM	12	13	19.31	19.35	19.34	20.6	0	
5	16QAM	25	0	19.31	19.12	19.34			
5	64QAM	1	0	19.32	19.35	19.22			
5	64QAM	1	12	19.16	19.28	19.23			
5	64QAM	1	24	19.16	19.16	19.36	20.6	0	
5	64QAM	12	0	19.21	19.36	19.40			
5	64QAM	12	7	19.16	19.31	19.18			
5	64QAM	12	13	19.33	19.36	19.31			
5	256QAM	25	0	16.42	16.12	19.24	17.8	2.8	
5	256QAM	1	0	16.82	16.71	16.73			
5	256QAM	1	12	16.85	16.80	16.61			
5	256QAM	1	24	16.85	16.79	16.79			
5	256QAM	12	0	16.54	16.64	16.37	17.8	2.8	
5	256QAM	12	7	16.38	16.51	16.43			
5	256QAM	12	13	16.36	16.50	16.33			
5	256QAM	25	0	16.70	16.63	16.48			

Band		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9462	9600	9738		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1980	1997.6		1712.4	1732.6	1752.8		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.84	23.11	23.06	24.00	22.71	23.15	23.08	24.00	22.89	23.24	23.23	24.00
3GPP Rel 99	AMR 12.2Kbps	22.90	23.22	23.16	24.00	22.95	23.21	23.11	24.00	23.08	23.37	23.26	24.00
3GPP Rel 6	HSDPA Subtest-1	22.06	22.06	22.13	23.00	22.00	22.20	22.05	23.00	22.13	22.31	22.20	23.00
3GPP Rel 6	HSDPA Subtest-2	22.13	22.19	22.17	23.00	22.02	22.12	22.05	23.00	22.19	22.29	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	21.61	21.77	21.52	22.50	21.54	21.70	21.65	22.50	21.71	21.82	21.78	22.50
3GPP Rel 6	HSDPA Subtest-4	21.51	21.69	21.62	22.50	21.52	21.59	21.54	22.50	21.70	21.77	21.69	22.50
3GPP Rel 8	DCHSDPA Subtest-1	22.17	22.05	22.13	23.00	21.99	22.04	22.01	23.00	22.17	22.16	22.14	24.00
3GPP Rel 8	DCHSDPA Subtest-2	22.06	22.09	21.94	23.00	21.93	21.96	22.05	23.00	22.10	22.15	22.14	23.00
3GPP Rel 8	DCHSDPA Subtest-3	21.54	21.64	21.49	22.50	21.55	21.61	21.55	22.50	21.66	21.79	21.67	23.50
3GPP Rel 8	DCHSDPA Subtest-4	21.34	21.59	21.41	22.50	21.48	21.53	21.50	22.50	21.64	21.71	21.64	23.50
3GPP Rel 6	HSUPA Subtest-1	21.90	22.14	22.11	23.00	21.93	22.16	22.08	23.00	22.11	22.31	22.17	23.00
3GPP Rel 6	HSUPA Subtest-2	20.08	20.12	20.08	21.00	20.09	20.13	20.07	21.00	20.22	20.31	20.25	22.00
3GPP Rel 6	HSUPA Subtest-3	21.02	21.29	21.15	22.00	21.01	21.28	21.10	22.00	21.29	21.40	21.27	23.00
3GPP Rel 6	HSUPA Subtest-4	19.92	20.07	20.07	21.00	19.86	20.15	20.07	21.00	20.03	20.25	20.19	22.00
3GPP Rel 6	HSUPA Subtest-5	21.85	22.08	22.10	23.00	21.79	22.05	22.12	23.00	21.99	22.18	22.26	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.61	19.69	19.79	20.50	19.65	19.66	19.78	20.50	19.77	19.79	19.94	21.50

Band 7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	23.03	23.08	22.96	24	0	
20	QPSK	1	49	22.91	22.89	22.79			
20	QPSK	1	99	22.75	22.92	22.81			
20	QPSK	50	0	21.94	22.11	22.08			
20	QPSK	50	24	21.85	21.93	21.84	23	1	
20	QPSK	50	50	21.88	21.92	21.81			
20	QPSK	100	0	21.95	22.09	22.02			
20	16QAM	1	0	22.20	22.40	22.24			
20	16QAM	1	49	22.21	22.31	22.17	23	1	
20	16QAM	1	99	22.23	22.29	22.20			
20	16QAM	50	0	20.91	20.95	20.88			
20	16QAM	50	24	20.89	21.03	20.80			
20	16QAM	50	50	20.75	20.91	20.89	22	2	
20	16QAM	100	0	20.90	20.93	20.88			
20	64QAM	1	0	21.12	21.26	21.27			
20	64QAM	1	49	21.06	21.15	21.15			
20	64QAM	1	99	21.08	21.18	21.16	21	3	
20	64QAM	50	0	19.86	19.91	19.87			
20	64QAM	50	24	19.87	19.84	19.71			
20	64QAM	50	50	19.83	19.87	19.74			
20	64QAM	100	0	19.83	19.91	19.75	19	5	
20	256QAM	1	0	18.15	18.19	18.07			
20	256QAM	1	49	18.04	18.08	18.00			
20	256QAM	1	99	18.07	18.00	18.12			
20	256QAM	50	0	17.82	17.93	17.88	19	5	
20	256QAM	50	24	17.74	17.83	17.66			
20	256QAM	50	50	17.78	17.84	17.82			
20	256QAM	100	0	17.93	17.92	17.81			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.99	23.06	22.85	24	0	
15	QPSK	1	37	22.90	22.89	22.77			
15	QPSK	1	74	22.67	22.85	22.70			
15	QPSK	36	0	21.90	22.07	21.99			
15	QPSK	36	20	21.74	21.92	21.83	23	1	
15	QPSK	36	39	21.76	21.83	21.73			
15	QPSK	75	0	21.88	22.00	22.00			
15	16QAM	1	0	22.09	22.38	22.20			
15	16QAM	1	37	22.16	22.22	22.10	23	1	
15	16QAM	1	74	22.15	22.18	22.09			
15	16QAM	36	0	20.91	20.89	20.88			
15	16QAM	36	20	20.82	20.95	20.78			
15	16QAM	36	39	20.68	20.85	20.86	22	2	
15	16QAM	75	0	20.85	20.87	20.84			
15	64QAM	1	0	21.03	21.23	21.17			
15	64QAM	1	37	21.04	21.15	21.12			
15	64QAM	1	74	21.06	21.08	21.12	22	2	
15	64QAM	36	0	19.81	19.90	19.80			
15	64QAM	36	20	19.85	19.75	19.71			
15	64QAM	36	39	19.77	19.86	19.63			
15	64QAM	75	0	19.78	19.87	19.72	21	3	
15	256QAM	1	0	18.15	18.18	17.97			
15	256QAM	1	37	17.99	17.97	17.90			
15	256QAM	1	74	17.98	17.92	18.05			
15	256QAM	36	0	17.77	17.92	17.82	19	5	
15	256QAM	36	20	17.70	17.78	17.61			
15	256QAM	36	39	17.74	17.83	17.74			
15	256QAM	75	0	17.88	17.92	17.73			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.93	22.99	22.90	24	0	
10	QPSK	1	25	22.87	22.78	22.74			
10	QPSK	1	49	22.69	22.82	22.71			
10	QPSK	25	0	21.86	22.07	22.00			
10	QPSK	25	12	21.84	21.85	21.78	23	1	
10	QPSK	25	25	21.87	21.89	21.74			
10	QPSK	50	0	21.86	22.04	21.96			
10	16QAM	1	0	22.17	22.37	22.20			
10	16QAM	1	25	22.16	22.31	22.10	23	1	
10	16QAM	1	49	22.14	22.24	22.16			
10	16QAM	25	0	20.90	20.84	20.80			
10	16QAM	25	12	20.81	20.98	20.72			
10	16QAM	25	25	20.71	20.81	20.84	22	2	
10	16QAM	50	0	20.78	20.82	20.81			
10	64QAM	1	0	21.03	21.16	21.23			
10	64QAM	1	25	21.04	21.09	21.07			
10	64QAM	1	49	21.05	21.07	21.06	22	2	
10	64QAM	25	0	19.77	19.84	19.82			
10	64QAM	25	12	19.81	19.73	19.63			
10	64QAM	25	25	19.77	19.78	19.67			
10	64QAM	50	0	19.82	19.88	19.65	21	3	
10	256QAM	1	0	18.14	18.09	18.01			
10	256QAM	1	25	17.97	18.04	17.90			
10	256QAM	1	49	18.06	17.99	18.09			
10	256QAM	25	0	17.76	17.85	17.82	19	5	
10	256QAM	25	12	17.67	17.78	17.66			
10	256QAM	25	25	17.70	17.83	17.81			
10	256QAM	50	0	17.86	17.84	17.74			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.94	23.01	22.84	24	0	
5	QPSK	1	12	22.84	22.85	22.78			
5	QPSK	1	24	22.67	22.85	22.77			
5	QPSK	12	0	21.87	22.08	22.07			
5	QPSK	12	7	21.75	21.87	21.81	23	1	
5	QPSK	12	13	21.84	21.91	21.71			
5	QPSK	25	0	21.86	22.02	21.90			
5	16QAM	1	0	22.16	22.40	22.15			
5	16QAM	1	12	22.16	22.22	22.07	23	1	
5	16QAM	1	24	22.20	22.27	22.09			
5	16QAM	12	0	20.88	20.83	20.85			
5	16QAM	12	7	20.82	20.99	20.69			
5	16QAM	12	13	20.72	20.83	20.85	22	2	
5	16QAM	25	0	20.83	20.83	20.88			
5	64QAM	1	0	21.04	21.26	21.27			
5	64QAM	1	12	21.04	21.10	21.11			
5	64QAM	1	24	20.97	21.15	21.10	22	2	
5	64QAM	12	0	19.84	19.84	19.82			
5	64QAM	12	7	19.80	19.73	19.65			
5	64QAM	12	13	19.71	19.83	19.67			
5	64QAM	25	0	19.81	19.83	19.66	21	3	
5	256QAM	1	0	18.05	18.15	18.05			
5	256QAM	1	12	17.95	18.04	17.91			
5	256QAM	1	24	18.01	17.92	18.09			
5	256QAM	12	0	17.82	17.83	17.79	19	5	
5	256QAM	12	7	17.69	17.75	17.64			
5	256QAM	12	13	17.75	17.82	17.77			
5	256QAM	25	0	17.84	17.82	17.81			

Band 30 Ant 2									
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				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		23.09		24	0	
10	QPSK	1	25		22.89				
10	QPSK	1	49		22.91				
10	QPSK	25	0		22.09		23	1	
10	QPSK	25	12		21.92				
10	QPSK	25	25		21.84				
10	QPSK	50	0		22.04		23	1	
10	16QAM	1	0		22.36				
10	16QAM	1	25		22.36				
10	16QAM	1	49		22.33		22	2	
10	16QAM	25	0		20.97				
10	16QAM	25	12		20.91				
10	16QAM	25	25		20.89		21	2	
10	16QAM	50	0		20.93				
10	64QAM	1	0		21.28				
10	64QAM	1	25		21.23		22	2	
10	64QAM	1	49		21.09				
10	64QAM	25	0		19.92				
10	64QAM	25	12		19.85		21	3	
10	64QAM	25	25		19.83				
10	64QAM	50	0		19.88				
10	256QAM	1	0		18.10		19	5	
10	256QAM	1	25		18.14				
10	256QAM	1	49		18.07				
10	256QAM	25	0		17.92		19	5	
10	256QAM	25	12		17.80				
10	256QAM	25	25		17.91				
10	256QAM	50	0		17.84				
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.04	23.04	23.03	24	0	
5	QPSK	1	12	22.81	22.88	22.78			
5	QPSK	1	24	22.86	22.81	22.88			
5	QPSK	12	0	22.07	21.99	22.05	23	1	
5	QPSK	12	7	21.85	21.80	21.92			
5	QPSK	12	13	21.73	21.79	21.75			
5	QPSK	25	0	22.00	22.01	21.96	23	1	
5	16QAM	1	0	22.33	22.33	22.35			
5	16QAM	1	12	22.25	22.25	22.33			
5	16QAM	1	24	22.23	22.29	22.22	22	2	
5	16QAM	12	0	20.91	20.96	20.92			
5	16QAM	12	7	20.88	20.90	20.82			
5	16QAM	12	13	20.86	20.84	20.78	22	2	
5	16QAM	25	0	20.89	20.86	20.83			
5	64QAM	1	0	21.22	21.24	21.22			
5	64QAM	1	12	21.22	21.17	21.21	22	2	
5	64QAM	1	24	20.99	21.01	21.00			
5	64QAM	12	0	19.84	19.80	19.91			
5	64QAM	12	7	19.74	19.83	19.74	21	3	
5	64QAM	12	13	19.76	19.80	19.71			
5	64QAM	25	0	19.83	19.79	19.85			
5	256QAM	1	0	18.04	18.04	18.05	19	5	
5	256QAM	1	12	18.14	18.10	18.09			
5	256QAM	1	24	17.98	18.03	18.03			
5	256QAM	12	0	17.91	17.91	17.85	19	5	
5	256QAM	12	7	17.71	17.79	17.79			
5	256QAM	12	13	17.85	17.81	17.85			
5	256QAM	25	0	17.72	17.80	17.72			



Band 38 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				37965	38050	38135			
20	QPSK	1	0	22.57	22.63	22.69	24	0	
20	QPSK	1	48	22.44	22.47	22.39			
20	QPSK	1	96	22.36	22.42	22.38			
20	QPSK	50	0	21.57	21.58	21.61			
20	QPSK	50	24	21.41	21.53	21.39	23	1	
20	QPSK	50	48	21.71	21.67	21.66			
20	QPSK	100	0	21.52	21.55	21.56			
20	16QAM	1	0	21.80	21.87	21.78			
20	16QAM	1	48	21.71	21.78	21.68	23	1	
20	16QAM	1	96	21.74	21.84	21.76			
20	16QAM	50	0	20.47	20.50	20.38			
20	16QAM	50	24	20.44	20.42	20.37			
20	16QAM	50	48	20.55	20.52	20.77	22	2	
20	16QAM	100	0	20.44	20.49	20.35			
20	16QAM	100	1	20.56	20.71	20.76			
20	16QAM	1	48	20.52	20.58	20.70			
20	16QAM	50	0	19.49	19.53	19.45	21	3	
20	16QAM	50	24	19.34	19.48	19.35			
20	16QAM	50	48	19.41	19.33	19.35			
20	16QAM	100	0	19.35	19.45	19.27			
20	256QAM	1	0	17.87	17.85	17.70	19	5	
20	256QAM	1	48	17.77	17.79	17.68			
20	256QAM	1	96	17.65	17.58	17.62			
20	256QAM	50	0	17.42	17.44	17.47			
20	256QAM	50	24	17.38	17.33	17.34	19	5	
20	256QAM	50	48	17.35	17.44	17.32			
20	256QAM	100	0	17.45	17.46	17.38			
Channel				37925	38050	38175	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				37973	37975	37978			
15	QPSK	1	0	22.54	22.55	22.45	24	0	
15	QPSK	1	37	22.38	22.39	22.34			
15	QPSK	1	74	22.28	22.38	22.35			
15	QPSK	36	0	21.55	21.60	21.68			
15	QPSK	36	20	21.35	21.41	21.36	23	1	
15	QPSK	36	37	21.54	21.51	21.61			
15	QPSK	75	0	21.45	21.56	21.48			
15	16QAM	1	0	21.59	21.54	21.73			
15	16QAM	1	37	21.56	21.51	21.61	23	1	
15	16QAM	1	74	21.65	21.75	21.72			
15	16QAM	36	0	20.40	20.42	20.27			
15	16QAM	36	20	20.32	20.36	20.32			
15	16QAM	36	37	20.26	20.33	20.31	22	2	
15	16QAM	75	0	20.44	20.40	20.27			
15	16QAM	75	0	19.38	19.50	19.36			
15	16QAM	1	37	20.54	20.59	20.69			
15	16QAM	1	74	20.51	20.62	20.68	21	3	
15	16QAM	36	0	19.38	19.50	19.36			
15	16QAM	36	20	19.29	19.40	19.35			
15	16QAM	75	0	19.51	19.57	19.15			
15	256QAM	1	0	17.57	17.61	17.66	19	5	
15	256QAM	1	37	17.54	17.58	17.73			
15	256QAM	36	0	17.38	17.38	17.25			
15	256QAM	36	20	17.42	17.34	17.27			
15	256QAM	36	37	17.34	17.36	17.23	19	5	
15	256QAM	75	0	17.40	17.41	17.28			
Channel				37965	38050	38090	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				37973	37975	37978			
10	QPSK	1	0	22.51	22.54	22.47	24	0	
10	QPSK	1	25	22.39	22.34	22.36			
10	QPSK	1	48	22.30	22.45	22.28			
10	QPSK	25	0	21.52	21.52	21.52			
10	QPSK	25	12	21.32	21.44	21.37	23	1	
10	QPSK	25	25	21.30	21.29	21.32			
10	QPSK	50	0	21.48	21.64	21.57			
10	16QAM	1	0	21.78	21.67	21.70			
10	16QAM	1	25	21.61	21.80	21.65	23	1	
10	16QAM	1	48	21.71	21.79	21.73			
10	16QAM	25	0	20.46	20.49	20.34			
10	16QAM	25	12	20.38	20.44	20.35			
10	16QAM	25	25	20.38	20.33	20.48	22	2	
10	16QAM	50	0	20.41	20.45	20.34			
10	16QAM	50	0	20.65	20.74	20.66			
10	16QAM	1	25	20.52	20.67	20.62			
10	16QAM	1	48	20.62	20.68	20.62	22	2	
10	16QAM	25	0	19.44	19.43	19.30			
10	16QAM	25	12	19.27	19.40	19.29			
10	16QAM	25	25	19.32	19.36	19.35			
10	16QAM	50	0	19.31	19.34	19.20	21	3	
10	16QAM	50	0	19.34	19.39	19.26			
10	16QAM	50	12	19.44	19.45	19.46			
10	256QAM	1	25	17.53	17.64	17.38			
10	256QAM	1	48	17.55	17.59	17.58	19	5	
10	256QAM	1	96	17.47	17.52	17.52			
10	256QAM	25	0	17.31	17.36	17.25			
10	256QAM	25	12	17.36	17.31	17.36			
10	256QAM	25	25	17.31	17.42	17.23	19	5	
10	256QAM	50	0	17.40	17.35	17.33			
10	256QAM	50	0	17.42	17.32	17.33			
Channel				37975	38060	38225	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				37975	38060	38225			
5	QPSK	1	0	22.55	22.59	22.47	24	0	
5	QPSK	1	12	22.45	22.35	22.30			
5	QPSK	1	24	22.28	22.40	22.38			
5	QPSK	12	0	21.45	21.66	21.37			
5	QPSK	12	7	21.34	21.49	21.30	23	1	
5	QPSK	12	13	21.31	21.29	21.30			
5	QPSK	24	0	21.46	21.58	21.46			
5	16QAM	1	0	21.75	21.53	21.76			
5	16QAM	1	12	21.59	21.86	21.62	23	1	
5	16QAM	1	24	21.64	21.83	21.76			
5	16QAM	12	0	20.45	20.47	20.34			
5	16QAM	12	7	20.28	20.44	20.34			
5	16QAM	12	13	20.26	20.41	20.35	22	2	
5	16QAM	25	0	20.38	20.47	20.25			
5	16QAM	25	0	20.60	20.61	20.77			
5	16QAM	25	7	20.50	20.67	20.76			
5	16QAM	1	24	20.56	20.68	20.64	22	2	
5	16QAM	12	0	19.44	19.42	19.34			
5	16QAM	12	7	19.28	19.38	19.31			
5	16QAM	12	13	19.41	19.52	19.24			
5	256QAM	1	0	17.58	17.65	17.68	19	5	
5	256QAM	1	12	17.58	17.65	17.68			
5	256QAM	1	24	17.53	17.63	17.47			
5	256QAM	1	24	17.34	17.53	17.60			
5	256QAM	12	0	17.37	17.33	17.28	19	5	
5	256QAM	12	7	17.38	17.32	17.23			
5	256QAM	12	13	17.37	17.38	17.29			
5	256QAM	25	0	17.37	17.42	17.23			

Band 41 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.68	22.69	22.63	22.63	22.58	24	0
20	QPSK	1	48	22.57	22.65	22.63	22.60	22.44		
20	QPSK	1	96	22.50	22.40	22.55	22.63	22.40		
20	QPSK	50	0	21.68	21.61	21.81	21.75	21.65		
20	QPSK	50	24	21.60	21.56	21.72	21.58	21.44	23	1
20	QPSK	50	48	21.57	21.53	21.67	21.53	21.48		
20	QPSK	100	0	21.71	21.63	21.81	21.68	21.60		
20	16QAM	1	0	21.93	21.91	22.08	22.00	21.78		
20	16QAM	50	24	20.63	20.60	20.70	20.52	20.41	22	2
20	16QAM	50	48	21.91	21.80	21.97	21.85	21.82		
20	16QAM	1	96	21.97	21.82	22.10	21.95	21.80		
20	16QAM	50	0	20.67	20.56	20.71	20.55	20.32		
20	16QAM	100	0	20.52	20.57	20.62	20.60	20.47	22	2
20	16QAM	100	1	20.9						



Band 42 FCC Part27Q Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turnup time (dBm)	MPR (dB)	
Channel				42190	42990	43090	Turnup time (dBm)	MPR (dB)	
Frequency (MHz)				3450	3660	42990			
20	QPSK	1	0	23.13	23.15	23.90	24	0	
20	QPSK	1	48	23.01	23.02	23.91			
20	QPSK	50	0	22.19	22.19	22.11			
20	QPSK	50	24	22.61	22.64	21.90	23	1	
20	QPSK	50	50	21.99	21.98	21.92			
20	QPSK	100	0	22.16	22.16	21.99			
20	HQAM	1	0	22.48	22.41	22.34	23	1	
20	HQAM	1	48	22.43	22.35	22.26			
20	HQAM	1	99	22.37	22.43	22.26			
20	HQAM	50	0	21.63	21.64	20.88	20	2	
20	HQAM	50	24	21.01	21.07	20.85			
20	HQAM	50	50	20.92	20.90	20.94			
20	HQAM	100	0	20.96	20.96	20.99	20	2	
20	HQAM	1	0	21.27	21.27	21.25			
20	HQAM	1	48	21.27	21.28	21.19			
20	HQAM	1	99	21.17	21.15	21.26	22	2	
20	HQAM	50	0	20.01	19.97	19.95			
20	HQAM	50	24	19.98	19.89	19.83			
20	HQAM	50	50	19.97	19.83	19.86	21	3	
20	HQAM	100	0	19.98	19.96	19.84			
20	256QAM	1	0	18.24	18.17	18.14			
20	256QAM	1	48	18.20	18.16	18.07			
20	256QAM	1	99	18.08	18.14	18.12			
20	256QAM	50	0	17.67	17.67	17.56	19	5	
20	256QAM	50	24	17.66	17.69	17.75			
20	256QAM	50	50	17.62	17.60	17.63			
20	256QAM	100	0	17.66	18.01	17.68			
Channel				42165 <th>42990</th> <th>43015</th> <th>Turnup time (dBm)</th> <th colspan="2">MPR (dB)</th>	42990	43015	Turnup time (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5	Turnup time (dBm)	MPR (dB)	
15	QPSK	1	0	23.08	23.10	23.87			
15	QPSK	1	37	22.94	22.84	22.80	24	0	
15	QPSK	1	74	22.92	22.82	22.70			
15	QPSK	36	0	22.03	22.13	22.98			
15	QPSK	36	20	21.90	21.99	21.85	23	1	
15	QPSK	36	48	21.91	21.88	21.88			
15	QPSK	75	0	22.06	21.98	21.92			
15	HQAM	1	0	22.36	22.33	22.27	23	1	
15	HQAM	1	37	22.37	22.27	22.32			
15	HQAM	1	74	22.35	22.31	22.20			
15	HQAM	36	0	21.00	20.91	20.77	22	2	
15	HQAM	36	20	20.98	20.84	20.82			
15	HQAM	36	39	20.80	20.87	20.80			
15	HQAM	75	0	20.91	20.82	20.78	22	2	
15	HQAM	1	0	21.25	21.13	21.31			
15	HQAM	1	37	21.15	21.19	21.09			
15	HQAM	1	74	21.13	21.05	21.18	21	3	
15	HQAM	36	0	19.63	19.62	19.63			
15	HQAM	36	20	19.91	19.89	19.72			
15	HQAM	36	39	19.63	19.72	19.63	21	3	
15	HQAM	75	0	19.89	19.92	19.81			
15	256QAM	1	0	18.16	18.10	18.04			
15	256QAM	1	37	18.10	18.02	18.00	19	5	
15	256QAM	1	74	18.00	18.12	18.02			
15	256QAM	36	0	17.94	17.81	17.70			
15	256QAM	36	20	17.73	17.82	17.70	19	5	
15	256QAM	36	39	17.86	17.77	17.78			
15	256QAM	75	0	17.67	17.68	17.75			
Channel				42140 <th>42990</th> <th>43015</th> <th>Turnup time (dBm)</th> <th colspan="2">MPR (dB)</th>	42990	43015	Turnup time (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545	Turnup time (dBm)	MPR (dB)	
10	QPSK	1	0	23.04	23.10	23.84			
10	QPSK	1	25	22.90	22.94	22.79	24	0	
10	QPSK	1	49	22.96	22.84	22.71			
10	QPSK	36	0	22.06	22.08	21.98			
10	QPSK	25	12	21.89	21.94	21.82	23	1	
10	QPSK	25	25	21.62	21.65	21.81			
10	QPSK	36	0	22.02	22.05	21.96			
10	HQAM	1	0	22.37	22.27	22.20	23	1	
10	HQAM	1	25	22.41	22.27	22.32			
10	HQAM	1	49	22.26	22.35	22.21			
10	HQAM	25	0	20.93	20.96	20.80	22	2	
10	HQAM	25	12	20.67	21.03	20.72			
10	HQAM	25	25	20.89	20.84	20.86			
10	HQAM	50	0	20.89	20.85	20.75	22	2	
10	HQAM	1	0	21.14	21.22	21.22			
10	HQAM	1	25	21.24	21.22	21.13			
10	HQAM	1	49	21.10	21.09	21.19	21	3	
10	HQAM	25	0	19.97	19.85	19.81			
10	HQAM	25	12	19.90	19.75	19.75			
10	HQAM	25	25	19.74	19.71	19.83	21	3	
10	HQAM	50	0	19.90	19.83	19.81			
10	256QAM	1	0	18.10	18.05	18.11			
10	256QAM	1	25	18.09	18.06	17.99	19	5	
10	256QAM	1	49	18.02	18.01	18.00			
10	256QAM	25	0	17.96	17.83	17.78			
10	256QAM	25	12	17.90	17.80	17.66	19	5	
10	256QAM	25	25	17.85	17.75	17.75			
10	256QAM	50	0	17.90	17.85	17.74			
Channel				42115 <th>42990</th> <th>43015</th> <th>Turnup time (dBm)</th> <th colspan="2">MPR (dB)</th>	42990	43015	Turnup time (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5	Turnup time (dBm)	MPR (dB)	
5	QPSK	1	0	23.08	23.02	22.88			
5	QPSK	1	16	22.97	22.91	22.83	24	0	
5	QPSK	1	24	22.92	22.92	22.69			
5	QPSK	12	0	22.63	22.15	21.98			
5	QPSK	12	7	21.95	22.01	21.83	23	1	
5	QPSK	12	13	21.85	21.86	21.78			
5	QPSK	25	0	22.03	22.08	21.92			
5	HQAM	1	0	22.39	22.31	22.22	23	1	
5	HQAM	1	12	22.36	22.25	22.13			
5	HQAM	1	24	22.24	22.38	22.32			
5	HQAM	12	0	20.98	21.02	20.77	22	2	
5	HQAM	12	7	20.88	20.96	20.72			
5	HQAM	12	13	20.84	20.84	20.90			
5	HQAM	25	0	20.89	20.93	20.85	22	2	
5	HQAM	1	0	21.22	21.19	21.28			
5	HQAM	1	12	21.16	21.19	21.09			
5	HQAM	1	24	21.08	21.11	21.18	21	3	
5	HQAM	12	0	19.87	19.84	19.92			
5	HQAM	12	7	19.91	19.85	19.79			
5	HQAM	25	0	19.85	19.82	19.71	19	5	
5	256QAM	1	0	18.17	18.07	18.01			
5	256QAM	1	12	18.12	18.07	17.99			
5	256QAM	1	24	17.99	18.02	17.99	19	5	
5	256QAM	12	0	17.86	17.86	17.83			
5	256QAM	12	7	17.84	17.81	17.86			
5	256QAM	12	13	17.80	17.81	17.73	19	5	
5	256QAM	25	0	17.84	17.99	17.84			

Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3455	3500	3545			
20	QPSK	1	0	22.99	23.04	22.89			
20	QPSK	1	49	22.78	22.79	22.81	24	0	
20	QPSK	1	99	22.85	22.85	22.75			
20	QPSK	50	0	22.02	22.07	21.97			
20	QPSK	50	24	21.81	21.85	21.78			
20	QPSK	50	50	21.78	21.84	21.70	23	1	
20	QPSK	100	0	21.99	22.04	21.84			
20	16QAM	1	0	22.29	22.31	22.19			
20	16QAM	1	49	22.19	22.25	22.09			
20	16QAM	1	99	22.23	22.31	22.11	23	1	
20	16QAM	50	0	20.89	20.95	20.84			
20	16QAM	50	24	20.85	20.85	20.74			
20	16QAM	50	50	20.80	20.77	20.73			
20	16QAM	100	0	20.78	20.77	20.77	22	2	
20	64QAM	1	0	21.16	21.19	21.12			
20	64QAM	1	49	21.13	21.07	21.14			
20	64QAM	1	99	21.04	21.01	21.13			
20	64QAM	50	0	19.81	19.90	19.77			
20	64QAM	50	24	19.83	19.78	19.67			
20	64QAM	50	50	19.67	19.76	19.73			
20	64QAM	100	0	19.80	19.79	19.74	21	3	
20	256QAM	1	0	18.00	18.08	18.10			
20	256QAM	1	49	17.96	17.97	17.88			
20	256QAM	1	99	17.93	17.92	17.99			
20	256QAM	36	0	17.83	17.85	17.78			
20	256QAM	50	24	17.71	17.71	17.58			
20	256QAM	50	50	17.74	17.80	17.68			
20	256QAM	100	0	17.85	17.85	17.74	19	5	
Channel				44105	42590	43065			
Frequency (MHz)				3457.5	3500	3543.5			
15	QPSK	1	0	22.89	23.03	22.84			
15	QPSK	1	37	22.71	22.77	22.79	24	0	
15	QPSK	1	74	22.85	22.75	22.88			
15	QPSK	36	0	21.94	21.98	21.88			
15	QPSK	36	20	21.70	21.91	21.67			
15	QPSK	36	39	21.73	21.79	21.64	23	1	
15	QPSK	75	0	21.91	21.94	21.77			
15	16QAM	1	0	22.28	22.22	22.14			
15	16QAM	1	37	22.16	22.24	22.07			
15	16QAM	1	74	22.19	22.21	22.10	23	1	
15	16QAM	36	0	20.80	20.89	20.74			
15	16QAM	36	20	20.82	20.77	20.72			
15	16QAM	36	39	20.69	20.75	20.66			
15	16QAM	75	0	20.74	20.75	20.69	22	2	
15	64QAM	1	0	21.12	21.16	21.09			
15	64QAM	1	37	21.06	21.02	21.10			
15	64QAM	1	74	20.95	20.98	21.10			
15	64QAM	36	0	19.73	19.87	19.73			
15	64QAM	36	20	19.75	19.67	19.60			
15	64QAM	36	39	19.59	19.67	19.73			
15	64QAM	75	0	19.70	19.76	19.64	21	3	
15	256QAM	1	0	17.62	17.96	18.06			
15	256QAM	1	37	17.89	17.91	17.79			
15	256QAM	1	74	17.89	17.87	17.84			
15	256QAM	36	0	17.79	17.78	17.69			
15	256QAM	36	20	17.68	17.66	17.48			
15	256QAM	36	39	17.73	17.73	17.66			
15	256QAM	75	0	17.77	17.76	17.71	19	5	
Channel				43140	42590	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.94	22.97	22.80			
10	QPSK	1	25	22.67	22.66	22.81	24	0	
10	QPSK	1	49	22.82	22.82	22.66			
10	QPSK	25	0	22.00	22.06	21.91			
10	QPSK	25	12	21.75	21.93	21.72			
10	QPSK	25	25	21.78	21.72	21.61	23	1	
10	QPSK	50	0	21.91	21.98	21.74			
10	16QAM	1	0	22.26	22.31	22.19			
10	16QAM	1	25	22.09	22.17	22.03			
10	16QAM	1	49	22.12	22.25	22.04			
10	16QAM	25	0	20.61	20.94	20.79			
10	16QAM	25	12	20.83	20.75	20.69			
10	16QAM	25	25	20.75	20.74	20.65	22	2	
10	16QAM	50	0	20.74	20.75	20.76			
10	64QAM	1	0	21.17	21.17	21.10			
10	64QAM	1	25	21.08	20.98	21.14			
10	64QAM	1	49	20.93	20.97	21.11			
10	64QAM	25	0	19.70	19.86	19.70			
10	64QAM	25	12	19.81	19.73	19.80			
10	64QAM	25	25	19.58	19.67	19.63	21	3	
10	64QAM	50	0	19.71	19.72	19.66			
10	256QAM	1	0	18.00	18.00	18.10			
10	256QAM	1	25	17.90	17.91	17.77			
10	256QAM	1	49	17.84	17.85	17.97			
10	256QAM	25	0	17.77	17.81	17.76			
10	256QAM	25	12	17.61	17.68	17.56			
10	256QAM	25	25	17.67	17.69	17.64	19	5	
10	256QAM	50	0	17.76	17.79	17.69			
Channel				42115	42590	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	22.90	23.01	22.80			
5	QPSK	1	12	22.71	22.69	22.75			
5	QPSK	1	24	22.75	22.78	22.75			
5	QPSK	12	0	21.91	22.02	21.96			
5	QPSK	12	7	21.76	21.85	21.69			
5	QPSK	12	13	21.75	21.74	21.59			
5	QPSK	25	0	21.89	21.94	21.83			
5	16QAM	1	0	22.18	22.29	22.15			
5	16QAM	1	12	22.13	22.18	22.03			
5	16QAM	1	24	22.14	22.27	22.04	23	1	
5	16QAM	12	0	20.81	20.86	20.80			
5	16QAM	12	7	20.82	20.79	20.73			
5	16QAM	12	13	20.76	20.77	20.64			
5	16QAM	25	0	20.69	20.76	20.65	22	2	
5	64QAM	1	0	21.09	21.17	21.01			
5	64QAM	1	12	21.08	21.06	21.11			
5	64QAM	1	24	21.01	21.05	21.08			
5	64QAM	12	0	19.76	19.92	19.68			
5	64QAM	12	7	19.74	19.74	19.60			
5	64QAM	12	13	19.63	19.66	19.65			
5	256QAM	25	0	19.72	19.71	19.70	21	3	
5	256QAM	1	0	17.97	17.97	18.03			
5	256QAM	1	12	17.82	17.89	17.80			
5	256QAM	1	24	17.83	17.86	17.99			
5	256QAM	12	0	17.82	17.75	17.71			
5	256QAM	12	7	17.62	17.68	17.56			
5	256QAM	12	13	17.73	17.69	17.60			
5	256QAM	25	0	17.80	17.78	17.73	19	5	

Band 48_FCC 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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	24	0
Frequency (MHz)				55340	55830	56150	56640		
20	QPSK	1	0	23.25	23.33	23.39	23.14		
20	QPSK	1	49	23.11	23.17	23.17	23.04		
20	QPSK	1	99	22.92	23.11	22.97	22.95	23	1
20	QPSK	50	0	22.12	22.31	22.19	22.24		
20	QPSK	50	24	22.02	22.14	22.11	22.05		
20	QPSK	50	50	22.07	22.10	22.06	21.98		
20	QPSK	100	0	22.21	22.31	22.13	22.21	23	1
20	16QAM	1	0	22.47	22.53	22.47	22.53		
20	16QAM	1	49	22.38	22.47	22.45	22.42		
20	16QAM	1	99	22.38	22.55	22.39	22.48		
20	16QAM	50	0	21.12	21.15	21.17	21.13	22	2
20	16QAM	50	24	21.03	21.22	21.07	21.02		
20	16QAM	50	50	21.02	21.04	20.98	21.03		
20	16QAM	100	0	21.13	21.08	21.09	21.10		
20	64QAM	1	0	21.33	21.51	21.30	21.44	22	2
20	64QAM	1	49	21.30	21.39	21.28	21.41		
20	64QAM	1	99	21.21	21.33	21.20	21.31		
20	64QAM	50	0	20.08	20.12	20.11	20.07		
20	64QAM	50	24	20.07	20.10	19.98	19.95	21	3
20	64QAM	50	50	20.02	20.05	20.10	19.98		
20	64QAM	100	0	20.01	20.15	20.07	20.00		
20	256QAM	1	0	18.34	18.33	18.35	18.38		
20	256QAM	1	49	18.26	18.25	18.22	18.22	19	5
20	256QAM	1	99	18.25	18.26	18.29	18.29		
20	256QAM	50	0	18.09	18.20	18.09	18.05		
20	256QAM	50	24	18.01	18.00	18.03	17.85		
20	256QAM	50	50	17.97	18.04	18.06	17.99	19	5
20	256QAM	100	0	18.04	18.14	18.13	18.06		
Channel				55315	55800	56160	56650		
Frequency (MHz)				3552.5	3600	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	23.20	23.25	23.25	23.05	24	0
15	QPSK	1	37	22.99	23.07	23.15	22.93		
15	QPSK	1	74	22.84	23.05	22.96	22.83		
15	QPSK	36	0	22.05	22.30	22.18	22.14		
15	QPSK	36	20	21.94	22.12	22.00	21.97	23	1
15	QPSK	36	39	22.06	22.10	22.01	21.86		
15	QPSK	75	0	22.12	22.27	22.07	22.17		
15	16QAM	1	0	22.38	22.48	22.35	22.47		
15	16QAM	1	37	22.29	22.40	22.39	22.42	23	1
15	16QAM	1	74	22.37	22.47	22.30	22.45		
15	16QAM	36	0	21.02	21.05	21.12	21.02		
15	16QAM	36	20	20.93	21.17	21.05	20.96		
15	16QAM	36	39	20.95	20.99	20.87	20.98	22	2
15	16QAM	75	0	21.12	21.05	21.05	21.04		
15	64QAM	1	0	21.23	21.47	21.29	21.34		
15	64QAM	1	37	21.24	21.36	21.23	21.38		
15	64QAM	1	74	21.16	21.32	21.11	21.31	22	2
15	64QAM	36	0	20.00	20.07	20.07	20.01		
15	64QAM	36	20	19.99	20.02	19.95	19.90		
15	64QAM	36	39	19.93	19.98	20.07	19.89		
15	64QAM	75	0	19.96	20.11	19.97	19.94	21	3
15	256QAM	1	0	18.28	18.24	18.28	18.33		
15	256QAM	1	37	18.15	18.23	18.12	18.15		
15	256QAM	1	74	18.21	18.17	18.20	18.17		
15	256QAM	36	0	17.96	18.13	18.05	18.00	19	5
15	256QAM	36	20	17.95	17.91	17.98	17.84		
15	256QAM	36	39	17.90	17.94	17.95	17.93		
15	256QAM	75	0	17.96	18.04	18.01	17.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695	24	0
10	QPSK	1	0	23.22	23.23	23.27	23.07		
10	QPSK	1	25	23.00	23.07	23.18	23.02		
10	QPSK	1	49	22.88	23.06	22.92	22.83		
10	QPSK	25	0	22.10	22.28	22.09	22.22	23	1
10	QPSK	25	12	21.96	22.02	22.09	22.04		
10	QPSK	25	25	21.99	22.00	22.03	21.93		
10	QPSK	50	0	22.18	22.28	22.12	22.10		
10	16QAM	1	0	22.47	22.49	22.45	22.48	23	1
10	16QAM	1	25	22.25	22.42	22.40	22.33		
10	16QAM	1	49	22.33	22.52	22.34	22.40		
10	16QAM	25	0	21.08	21.09	21.02	21.01		
10	16QAM	25	12	20.97	21.13	21.04	21.02	22	2
10	16QAM	25	25	21.00	20.99	20.96	20.95		
10	16QAM	50	0	21.06	20.97	21.08	21.02		
10	64QAM	1	0	21.30	21.42	21.28	21.38		
10	64QAM	1	25	21.24	21.30	21.21	21.30	22	2
10	64QAM	1	49	21.19	21.21	21.16	21.30		
10	64QAM	25	0	20.05	20.05	19.99	19.96		
10	64QAM	25	12	20.07	19.98	19.96	19.89		
10	64QAM	25	25	19.93	19.98	20.09	19.93	21	3
10	64QAM	50	0	19.99	20.09	20.07	19.97		
10	256QAM	1	0	18.24	18.30	18.28	18.29		
10	256QAM	1	25	18.20	18.16	18.18	18.11		
10	256QAM	1	49	18.14	18.25	18.17	18.24	19	5
10	256QAM	25	0	17.98	18.17	18.04	17.97		
10	256QAM	25	12	17.98	17.96	17.99	17.83		
10	256QAM	25	25	17.89	18.04	17.97	17.92		
10	256QAM	50	0	18.00	18.07	18.08	18.00	19	5
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5	24	0
5	QPSK	1	0	23.20	23.31	23.18	23.05		
5	QPSK	1	12	23.09	23.15	23.07	22.99		
5	QPSK	1	24	22.85	23.07	22.93	22.87		
5	QPSK	12	0	22.05	22.30	22.18	22.13	23	1
5	QPSK	12	7	21.98	22.06	22.04	21.94		
5	QPSK	12	13	21.98	22.06	22.03	21.86		
5	QPSK	25	0	22.21	22.22	22.12	22.19		
5	16QAM	1	0	22.44	22.45	22.38	22.42	23	1
5	16QAM	1	12	22.30	22.39	22.45	22.33		
5	16QAM	1	24	22.33	22.53	22.32	22.38		
5	16QAM	12	0	21.09	21.10	21.13	21.07		
5	16QAM	12	7	20.96	21.10	20.99	20.99	22	2
5	16QAM	12	13	20.99	21.03	20.98	20.92		
5	16QAM	25	0	21.05	21.07	21.08	21.01		
5	64QAM	1	0	21.31	21.40	21.19	21.38		
5	64QAM	1	12	21.26	21.31	21.24	21.32	22	2
5	64QAM	1	24	21.16	21.26	21.12	21.23		
5	64QAM	12	0	20.05	20.03	20.00	20.05		
5	64QAM	12	7	20.00	20.00	19.99	19.93		
5	64QAM	12	13	19.96	19.96	19.98	19.89	21	3
5	64QAM	25	0	19.91	20.13	20.04	19.98		
5	256QAM	1	0	18.32	18.25	18.27	18.26		
5	256QAM	1	12	18.23	18.21	18.20	18.21		
5	256QAM	1	24	18.15	18.23	18.21	18.21	19	5
5	256QAM	12	0	18.03	18.09	18.00	17.99		
5	256QAM	12	7	17.94	17.99	18.01	17.80		
5	256QAM	12	13	17.96	17.94	17.97	17.89		
5	256QAM	25	0	18.04	18.05	18.05	18.00		

Band 42 FCC Part27Q Ant 6									
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				42190	42590	42990			
Frequency (MHz)				3455	3500	3545			
20	QPSK	1	0	21.84	21.85	21.85	23	0	
20	QPSK	1	49	21.87	21.81	21.72			
20	QPSK	1	99	21.78	21.74	21.76			
20	QPSK	50	0	20.90	20.93	20.91			
20	QPSK	50	24	20.73	20.85	20.71	22	1	
20	QPSK	50	50	20.76	20.71	20.63			
20	QPSK	100	0	20.92	20.94	20.96			
20	16QAM	1	0	21.17	21.21	21.07			
20	16QAM	1	49	21.19	21.12	20.99	22	1	
20	16QAM	1	99	21.17	21.18	20.99			
20	16QAM	50	0	19.80	19.80	19.64			
20	16QAM	50	24	19.83	19.85	19.67			
20	16QAM	50	50	19.65	19.73	19.61	21	2	
20	16QAM	100	0	19.79	19.74	19.65			
20	64QAM	1	0	20.04	20.05	19.99			
20	64QAM	1	49	19.98	20.05	19.96			
20	64QAM	1	99	19.97	19.99	20.03	20	3	
20	64QAM	50	0	18.89	18.76	18.66			
20	64QAM	50	24	18.74	18.66	18.56			
20	64QAM	50	50	18.74	18.63	18.64			
20	256QAM	100	0	18.70	18.76	18.62	18	5	
20	256QAM	1	0	17.04	16.95	17.00			
20	256QAM	1	49	16.99	16.90	16.79			
20	256QAM	1	99	16.96	16.84	16.91			
20	256QAM	50	0	16.82	16.83	16.64	18	5	
20	256QAM	50	24	16.76	16.71	16.68			
20	256QAM	50	50	16.69	16.74	16.53			
20	256QAM	100	0	16.88	16.71	16.62			
Channel				42105	42590	43065	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	21.88	21.85	21.85	23	0	
15	QPSK	1	37	21.76	21.74	21.70			
15	QPSK	1	74	21.66	21.65	21.70			
15	QPSK	36	0	20.82	20.87	20.88			
15	QPSK	36	20	20.69	20.80	20.62	22	1	
15	QPSK	36	39	20.73	20.68	20.53			
15	QPSK	75	0	20.89	20.78	20.80			
15	16QAM	1	0	21.08	21.10	20.99			
15	16QAM	1	37	21.14	21.12	20.93	22	1	
15	16QAM	1	74	21.05	21.15	20.91			
15	16QAM	36	0	19.78	19.75	19.56			
15	16QAM	36	20	19.80	19.83	19.64			
15	16QAM	36	39	19.64	19.62	19.52	21	2	
15	16QAM	75	0	19.89	19.70	19.59			
15	64QAM	1	0	19.98	19.67	19.93			
15	64QAM	1	37	19.92	20.00	19.94			
15	64QAM	1	74	19.92	19.83	19.94	20	3	
15	64QAM	36	0	18.83	18.76	18.54			
15	64QAM	36	20	18.72	18.55	18.54			
15	64QAM	36	39	18.63	18.61	18.52			
15	64QAM	75	0	18.62	18.74	18.54	18	5	
15	256QAM	1	0	16.93	16.95	16.98			
15	256QAM	1	37	16.91	16.88	16.79			
15	256QAM	1	74	16.94	16.83	16.90			
15	256QAM	36	0	16.79	16.78	16.63	18	5	
15	256QAM	36	20	16.71	16.70	16.45			
15	256QAM	36	39	16.58	16.66	16.45			
15	256QAM	75	0	16.79	16.69	16.55			
Channel				42140	42590	43060	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	21.89	21.89	21.81	23	0	
10	QPSK	1	25	21.86	21.79	21.71			
10	QPSK	1	49	21.66	21.69	21.68			
10	QPSK	25	0	20.84	20.96	20.79			
10	QPSK	25	12	20.71	20.78	20.62	22	1	
10	QPSK	25	25	20.69	20.80	20.55			
10	QPSK	50	0	20.83	20.72	20.74			
10	16QAM	1	0	21.06	21.09	20.96			
10	16QAM	1	25	21.10	21.02	20.92	22	1	
10	16QAM	1	49	21.13	21.06	20.96			
10	16QAM	25	0	19.73	19.74	19.58			
10	16QAM	25	12	19.71	19.76	19.60			
10	16QAM	25	25	19.62	19.63	19.49	21	2	
10	16QAM	50	0	19.79	19.67	19.60			
10	64QAM	1	0	19.98	19.97	19.98			
10	64QAM	1	25	19.88	20.05	19.94			
10	64QAM	1	49	19.89	19.89	20.00	20	3	
10	64QAM	25	0	18.81	18.85	18.59			
10	64QAM	25	12	18.70	18.60	18.55			
10	64QAM	25	25	18.66	18.56	18.61			
10	64QAM	50	0	18.60	18.72	18.57	18	5	
10	256QAM	1	0	16.92	16.90	16.97			
10	256QAM	1	25	16.87	16.92	16.71			
10	256QAM	1	49	16.92	16.79	16.83			
10	256QAM	25	0	16.72	16.80	16.53	18	5	
10	256QAM	25	12	16.72	16.68	16.48			
10	256QAM	25	25	16.61	16.71	16.48			
10	256QAM	50	0	16.77	16.61	16.59			
Channel				42115	42590	43065	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	21.87	21.86	21.78	23	0	
5	QPSK	1	12	21.83	21.80	21.65			
5	QPSK	1	24	21.60	21.63	21.67			
5	QPSK	12	0	20.81	20.87	20.62			
5	QPSK	12	7	20.69	20.73	20.69	22	1	
5	QPSK	12	13	20.68	20.63	20.54			
5	QPSK	25	0	20.91	20.77	20.79			
5	16QAM	1	0	21.14	21.13	20.99			
5	16QAM	1	12	21.11	21.12	20.89	22	1	
5	16QAM	1	24	21.09	21.15	20.95			
5	16QAM	12	0	19.75	19.68	19.64			
5	16QAM	12	7	19.72	19.82	19.62			
5	16QAM	12	13	19.54	19.62	19.56	21	2	
5	16QAM	25	0	19.68	19.63	19.58			
5	64QAM	1	0	19.93	19.97	19.93			
5	64QAM	1	12	19.94	19.96	19.84			
5	64QAM	1	24	19.85	19.83	19.95	20	3	
5	64QAM	12	0	18.89	18.73	18.65			
5	64QAM	12	7	18.68	18.66	18.48			
5	64QAM	12	13	18.62	18.55	18.55			
5	256QAM	25	0	16.68	16.66	16.58	18	5	
5	256QAM	1	0	16.96	16.94	16.92			
5	256QAM	1	12	16.89	16.82	16.69			
5	256QAM	1	24	16.90	16.77	16.90			
5	256QAM	12	0	16.71	16.76	16.55	18	5	
5	256QAM	12	7	16.75	16.68	16.39			
5	256QAM	12	13	16.66	16.64	16.50			
5	256QAM	25	0	16.80	16.70	16.52			

Band 48_FCC Ant 6									
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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3520	3569	3641	3692		
20	QPSK	1	0	21.56	21.70	21.72	21.64	23	0
20	QPSK	1	49	21.43	21.65	21.64	21.56		
20	QPSK	1	99	21.49	21.59	21.64	21.45	22	1
20	QPSK	50	0	20.69	20.82	20.84	20.69		
20	QPSK	50	24	20.49	20.60	20.72	20.61	22	1
20	QPSK	50	50	20.47	20.53	20.59	20.54		
20	QPSK	100	0	20.67	20.69	20.72	20.69	22	1
20	16QAM	1	0	20.90	21.02	21.07	20.95		
20	16QAM	1	49	20.94	20.99	21.00	20.85	21	2
20	16QAM	1	99	20.82	20.96	21.04	20.88		
20	16QAM	50	0	19.83	19.68	19.67	19.57	21	2
20	16QAM	50	24	19.54	19.68	19.66	19.51		
20	16QAM	50	50	19.47	19.52	19.55	19.60	21	2
20	16QAM	100	0	19.58	19.55	19.61	19.52		
20	64QAM	1	0	19.86	19.96	19.98	19.90	21	2
20	64QAM	1	49	19.80	19.86	19.91	19.85		
20	64QAM	1	99	19.71	19.83	19.82	19.86	20	3
20	64QAM	50	0	18.63	18.63	18.69	18.49		
20	64QAM	50	24	18.46	18.51	18.56	18.46	18	5
20	64QAM	50	50	18.54	18.54	18.46	18.43		
20	256QAM	1	0	18.50	18.57	18.59	18.47	18	5
20	256QAM	1	49	16.76	16.82	16.79	16.86		
20	256QAM	1	99	16.79	16.83	16.81	16.69	18	5
20	256QAM	1	99	16.74	16.74	16.80	16.86		
20	256QAM	36	0	16.51	16.59	16.60	16.48	18	5
20	256QAM	50	24	16.47	16.50	16.57	16.39		
20	256QAM	50	50	16.54	16.52	16.58	16.48	20	3
20	256QAM	100	0	16.55	16.53	16.63	16.51		
Channel				55315	55800	56160	56655		
Frequency (MHz)				3557.5	3606	3655	3695.5		
15	QPSK	1	0	21.53	21.59	21.62	21.55	23	0
15	QPSK	1	37	21.37	21.54	21.53	21.49		
15	QPSK	1	74	21.48	21.54	21.64	21.36	22	1
15	QPSK	36	0	20.63	20.80	20.78	20.58		
15	QPSK	36	20	20.38	20.50	20.64	20.50	22	1
15	QPSK	36	39	20.36	20.52	20.54	20.54		
15	QPSK	75	0	20.67	20.67	20.67	20.60	22	1
15	16QAM	1	0	20.83	20.83	20.98	20.94		
15	16QAM	1	37	20.83	20.95	20.91	20.73	21	2
15	16QAM	1	74	20.82	20.94	21.02	20.75		
15	16QAM	36	0	19.52	19.60	19.58	19.55	21	2
15	16QAM	36	20	19.42	19.62	19.61	19.48		
15	16QAM	36	39	19.37	19.44	19.55	19.49	21	2
15	16QAM	75	0	19.57	19.52	19.55	19.42		
15	64QAM	1	0	19.80	19.87	19.91	19.82	21	2
15	64QAM	1	37	19.78	19.73	19.90	19.82		
15	64QAM	1	74	19.67	19.81	19.77	19.83	20	3
15	64QAM	36	0	18.57	18.62	18.63	18.47		
15	64QAM	36	20	18.42	18.50	18.46	18.40	18	5
15	64QAM	36	39	18.50	18.52	18.42	18.39		
15	64QAM	75	0	18.46	18.49	18.57	18.41	18	5
15	256QAM	1	0	16.67	16.81	16.67	16.81		
15	256QAM	1	37	16.76	16.72	16.73	16.61	18	5
15	256QAM	1	74	16.63	16.73	16.79	16.77		
15	256QAM	36	0	16.41	16.57	16.50	16.42	18	5
15	256QAM	36	20	16.44	16.47	16.49	16.37		
15	256QAM	36	39	16.50	16.40	16.47	16.36	20	3
15	256QAM	75	0	16.52	16.40	16.52	16.49		
Channel				55290	55815	56165	56660		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.56	21.69	21.69	21.53	23	0
10	QPSK	1	25	21.42	21.58	21.58	21.54		
10	QPSK	1	49	21.40	21.58	21.60	21.37	22	1
10	QPSK	25	0	20.59	20.73	20.82	20.58		
10	QPSK	25	12	20.48	20.52	20.70	20.56	22	1
10	QPSK	25	25	20.42	20.48	20.53	20.47		
10	QPSK	50	0	20.57	20.63	20.60	20.61	22	1
10	16QAM	1	0	20.86	21.00	21.03	20.93		
10	16QAM	1	25	20.88	20.92	20.98	20.78	21	2
10	16QAM	1	49	20.74	20.94	21.00	20.61		
10	16QAM	25	0	19.63	19.62	19.67	19.57	21	2
10	16QAM	25	12	19.47	19.58	19.65	19.41		
10	16QAM	25	25	19.39	19.47	19.55	19.55	21	2
10	16QAM	50	0	19.57	19.51	19.55	19.43		
10	64QAM	1	0	19.84	19.87	19.89	19.76	21	2
10	64QAM	1	25	19.78	19.81	19.87	19.77		
10	64QAM	1	49	19.70	19.79	19.76	19.82	20	3
10	64QAM	25	0	18.52	18.58	18.67	18.43		
10	64QAM	25	12	18.45	18.46	18.68	18.42	18	5
10	64QAM	25	25	18.51	18.51	18.45	18.34		
10	64QAM	50	0	18.48	18.52	18.57	18.37	18	5
10	256QAM	1	0	16.68	16.79	16.75	16.77		
10	256QAM	1	25	16.76	16.76	16.72	16.61	18	5
10	256QAM	1	49	16.68	16.67	16.78	16.75		
10	256QAM	25	0	16.44	16.53	16.54	16.38	18	5
10	256QAM	25	12	16.38	16.40	16.48	16.28		
10	256QAM	25	25	16.50	16.47	16.50	16.43	20	3
10	256QAM	50	0	16.45	16.44	16.56	16.48		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.49	21.63	21.71	21.53	23	0
5	QPSK	1	12	21.33	21.58	21.61	21.51		
5	QPSK	1	24	21.45	21.55	21.60	21.41	22	1
5	QPSK	12	0	20.67	20.73	20.75	20.63		
5	QPSK	12	7	20.43	20.57	20.67	20.58	22	1
5	QPSK	12	13	20.45	20.50	20.56	20.53		
5	QPSK	25	0	20.64	20.62	20.69	20.61	22	1
5	16QAM	1	0	20.83	20.96	21.00	20.90		
5	16QAM	1	12	20.92	20.90	20.99	20.80	21	2
5	16QAM	1	24	20.76	20.89	20.93	20.84		
5	16QAM	12	0	19.55	19.66	19.60	19.53	21	2
5	16QAM	12	7	19.50	19.59	19.56	19.44		
5	16QAM	12	13	19.37	19.51	19.51	19.54	21	2
5	16QAM	25	0	19.62	19.53	19.58	19.49		
5	64QAM	1	0	19.77	19.84	19.98	19.90	21	2
5	64QAM	1	12	19.68	19.76	19.88	19.82		
5	64QAM	1	24	19.60	19.77	19.81	19.77	20	3
5	64QAM	12	0	18.59	18.54	18.61	18.42		
5	64QAM	12	7	18.42	18.51	18.48	18.44	18	5
5	64QAM	12	13	18.49	18.51	18.37	18.40		
5	256QAM	25	0	16.44	16.51	16.50	16.45	18	5
5	256QAM	1	0	16.64	16.62	16.72	16.65		
5	256QAM	1	12	16.77	16.80	16.70	16.64	18	5
5	256QAM	1	24	16.65	16.73	16.71	16.83		
5	256QAM	12	0	16.42	16.58	16.49	16.40	18	5
5	256QAM	12	7	16.39	16.48	16.53	16.37		
5	256QAM	12	13	16.51	16.45	16.53	16.40	18	5
5	256QAM	25	0	16.48	16.43	16.57	16.50		

Reduced Power Mode for ECI6

GSM850 Ant 0		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251	128	189	251	
Frequency (MHz)		824.2	836.4	848.8	824.2	836.4	848.8	Tune-up Limit (dBm)
GSM 1 Tx slot		32.02	31.98	31.94	33.50	23.02	22.98	
GPRS 1 Tx slot		32.01	32.02	31.91	33.50	23.01	23.02	24.50
GPRS 2 Tx slots		31.22	31.23	31.16	32.50	25.22	25.23	26.50
GPRS 3 Tx slots		29.41	29.42	29.33	30.50	25.15	25.16	26.24
GPRS 4 Tx slots		28.20	28.25	28.13	29.50	25.20	25.25	26.50
EDGE 1 Tx slot		26.38	26.43	26.45	27.50	17.38	17.43	18.50
EDGE 2 Tx slots		25.14	25.23	25.37	26.50	19.14	19.23	20.50
EDGE 3 Tx slots		22.91	22.98	23.07	24.00	18.65	18.72	19.74
EDGE 4 Tx slots		21.58	21.66	21.69	22.50	18.56	18.69	19.50

GSM1900 Ant 0		Burst Average Power (dBm)			Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810	512	661	810	
Frequency (MHz)		1850.2	1860	1909.8	1850.2	1860	1909.8	Tune-up Limit (dBm)
GSM 1 Tx slot		28.85	28.84	29.01	30.50	19.85	19.84	
GPRS 1 Tx slot		28.85	28.86	28.99	30.50	19.85	19.86	21.50
GPRS 2 Tx slots		28.23	28.21	28.35	29.50	22.23	22.21	23.50
GPRS 3 Tx slots		26.55	26.46	26.65	27.50	22.29	22.20	23.24
GPRS 4 Tx slots		25.44	25.66	25.54	26.50	22.44	22.66	23.50
EDGE 1 Tx slot		25.62	25.48	25.70	26.50	16.62	16.48	17.50
EDGE 2 Tx slots		24.47	24.31	24.52	25.50	18.47	18.31	19.50
EDGE 3 Tx slots		22.24	22.06	22.39	23.00	17.98	17.80	18.74
EDGE 4 Tx slots		21.04	20.77	20.99	22.00	18.04	17.77	19.00

Band		WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			Tune-up Limit (dBm)	WCDMA V Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1824.4	1860	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMA 12.2kbps	22.23	22.37	22.33	23.90	21.60	21.78	21.81	23.40	23.09	23.38	23.36	24.00
3GPP Rel 99	RMC 12.2kbps	22.23	22.58	22.44	23.90	21.71	22.02	21.90	23.40	23.22	23.53	23.45	24.00
3GPP Rel 6	HSDPA Subtest-1	21.45	21.45	21.43	22.90	20.78	20.86	20.89	22.40	22.29	22.44	22.39	23.00
3GPP Rel 6	HSDPA Subtest-2	21.38	21.42	21.46	22.90	20.83	20.89	20.86	22.40	22.29	22.43	22.44	23.00
3GPP Rel 6	HSDPA Subtest-3	20.85	21.01	20.91	22.40	20.49	20.56	20.31	21.90	21.90	21.95	21.87	22.50
3GPP Rel 6	HSDPA Subtest-4	20.86	21.01	20.92	22.40	20.32	20.49	20.25	21.90	21.84	21.91	21.89	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.47	21.34	21.41	22.90	20.86	20.91	20.77	22.40	22.36	22.33	22.31	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.26	21.40	21.26	22.90	20.72	20.78	20.80	22.40	22.26	22.32	22.30	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.80	21.01	20.82	22.40	20.35	20.30	20.20	21.90	21.83	21.89	21.78	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.75	20.87	20.82	22.40	20.13	20.46	20.19	21.90	21.76	21.84	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	21.23	21.45	21.44	22.90	20.65	20.87	20.76	22.40	22.25	22.40	22.34	23.00
3GPP Rel 6	HSUPA Subtest-2	19.40	19.41	19.30	20.90	18.80	18.95	18.81	20.40	20.35	20.48	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	20.42	20.56	20.42	21.90	19.82	20.09	19.74	21.40	21.35	21.58	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	19.23	19.49	19.38	20.90	18.59	18.85	18.82	20.40	20.16	20.41	20.30	21.00
3GPP Rel 6	HSUPA Subtest-5	21.14	21.45	21.49	22.90	20.64	20.82	20.83	22.40	22.16	22.32	22.43	23.00
3GPP Rel 7	HSPA+ (15QAM) Subtest-1	18.89	19.02	19.04	20.40	18.35	18.36	18.55	19.90	19.96	19.93	20.04	20.50

Band		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		9252	9400	9536		1312	1413	1513		4132	4182	4233	
Rx Channel		9452	9600	9736		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1890	1907.6		1712.4	1732.6	1752.8		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	21.67	21.93	21.87	22.00	20.49	20.90	20.81	22.00	22.89	23.24	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	21.68	21.96	21.92	22.00	20.68	20.99	20.86	22.00	23.08	23.37	23.26	24.00
3GPP Rel 6	HSDPA Subtest-1	20.88	20.83	20.88	21.00	19.73	20.03	19.80	21.00	22.13	22.31	22.20	23.00
3GPP Rel 6	HSDPA Subtest-2	20.96	20.86	20.96	21.00	19.82	19.92	19.85	21.00	22.19	22.29	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	20.35	20.43	20.31	20.50	19.31	19.53	19.45	20.50	21.71	21.82	21.78	22.50
3GPP Rel 6	HSDPA Subtest-4	20.26	20.44	20.39	20.50	19.29	19.31	19.33	20.50	21.70	21.77	21.69	22.50
3GPP Rel 6	DCHSDPA Subtest-1	20.91	20.89	20.96	21.00	19.71	19.84	19.81	21.00	22.17	22.16	22.14	24.00
3GPP Rel 6	DCHSDPA Subtest-2	20.83	20.91	20.68	21.00	19.71	19.72	19.78	21.00	22.10	22.15	22.14	23.00
3GPP Rel 6	DCHSDPA Subtest-3	20.32	20.43	20.27	20.50	19.38	19.39	19.28	20.50	21.66	21.79	21.67	23.50
3GPP Rel 6	DCHSDPA Subtest-4	20.09	20.31	20.17	20.50	19.30	19.30	19.23	20.50	21.64	21.71	21.64	23.50
3GPP Rel 6	HSUPA Subtest-1	20.68	20.86	20.86	21.00	19.71	19.98	19.89	21.00	22.11	22.31	22.17	23.00
3GPP Rel 6	HSUPA Subtest-2	18.90	18.91	18.91	19.00	17.86	17.93	17.81	19.00	20.22	20.31	20.25	22.00
3GPP Rel 6	HSUPA Subtest-3	19.84	19.83	19.87	20.00	18.81	18.10	18.86	20.00	21.20	21.40	21.27	23.00
3GPP Rel 6	HSUPA Subtest-4	18.72	18.91	18.82	19.00	17.67	17.87	17.79	19.00	20.03	20.25	20.19	22.00
3GPP Rel 6	HSUPA Subtest-5	20.60	20.84	20.88	21.00	19.53	19.83	19.94	21.00	21.99	22.18	22.26	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.37	18.42	18.34	18.50	17.41	17.43	17.55	18.50	19.77	19.79	19.94	21.50

Band 7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.57	22.75	22.65	23.1	0	
20	QPSK	1	49	22.70	22.73	22.71			
20	QPSK	1	99	22.64	22.71	22.65			
20	QPSK	50	0	21.94	22.11	22.08			
20	QPSK	50	24	21.85	21.93	21.84	23	0.1	
20	QPSK	50	50	21.88	21.92	21.81			
20	QPSK	100	0	21.95	22.09	22.02			
20	16QAM	1	0	22.20	22.40	22.24			
20	16QAM	1	49	22.21	22.31	22.17	23	0.1	
20	16QAM	1	99	22.23	22.29	22.20			
20	16QAM	50	0	20.91	20.95	20.88			
20	16QAM	50	24	20.89	21.03	20.80			
20	16QAM	50	50	20.75	20.91	20.89	22	1.1	
20	16QAM	100	0	20.90	20.93	20.88			
20	64QAM	1	0	21.12	21.26	21.27			
20	64QAM	1	49	21.06	21.15	21.15			
20	64QAM	1	99	21.08	21.18	21.16	22	1.1	
20	64QAM	50	0	19.86	19.91	19.87			
20	64QAM	50	24	19.87	19.84	19.71			
20	64QAM	50	50	19.83	19.87	19.74			
20	64QAM	100	0	19.83	19.91	19.75	21	2.1	
20	256QAM	1	0	18.15	18.19	18.07			
20	256QAM	1	49	18.04	18.08	18.00			
20	256QAM	1	99	18.07	18.00	18.12			
20	256QAM	50	0	17.82	17.93	17.88	19	4.1	
20	256QAM	50	24	17.74	17.83	17.66			
20	256QAM	50	50	17.78	17.84	17.82			
20	256QAM	100	0	17.93	17.92	17.81			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.51	22.60	22.52	23.1	0	
15	QPSK	1	37	22.64	22.64	22.57			
15	QPSK	1	74	22.51	22.69	22.54			
15	QPSK	36	0	21.90	22.07	21.99			
15	QPSK	36	20	21.74	21.92	21.83	23	0.1	
15	QPSK	36	39	21.76	21.83	21.73			
15	QPSK	75	0	21.88	22.00	22.00			
15	16QAM	1	0	22.09	22.38	22.20			
15	16QAM	1	37	22.16	22.22	22.10	23	0.1	
15	16QAM	1	74	22.15	22.18	22.09			
15	16QAM	36	0	20.91	20.89	20.88			
15	16QAM	36	20	20.82	20.95	20.78			
15	16QAM	36	39	20.68	20.85	20.86	22	1.1	
15	16QAM	75	0	20.85	20.87	20.84			
15	64QAM	1	0	21.03	21.23	21.17			
15	64QAM	1	37	21.04	21.15	21.12			
15	64QAM	1	74	21.06	21.08	21.12	22	1.1	
15	64QAM	36	0	19.81	19.90	19.80			
15	64QAM	36	20	19.85	19.75	19.71			
15	64QAM	36	39	19.77	19.86	19.63			
15	64QAM	75	0	19.78	19.87	19.72	19	4.1	
15	256QAM	1	0	18.15	18.18	17.97			
15	256QAM	1	37	17.99	17.97	17.90			
15	256QAM	1	74	17.98	17.92	18.05			
15	256QAM	36	0	17.77	17.92	17.82	19	4.1	
15	256QAM	36	20	17.70	17.78	17.61			
15	256QAM	36	39	17.74	17.83	17.74			
15	256QAM	75	0	17.88	17.92	17.73			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.48	22.56	22.50	23.1	0	
10	QPSK	1	25	22.63	22.65	22.59			
10	QPSK	1	49	22.52	22.60	22.59			
10	QPSK	25	0	21.86	22.07	22.00			
10	QPSK	25	12	21.84	21.85	21.78	23	0.1	
10	QPSK	25	25	21.87	21.89	21.74			
10	QPSK	50	0	21.86	22.04	21.96			
10	16QAM	1	0	22.17	22.37	22.20			
10	16QAM	1	25	22.16	22.31	22.10	23	0.1	
10	16QAM	1	49	22.14	22.24	22.16			
10	16QAM	25	0	20.90	20.84	20.80			
10	16QAM	25	12	20.81	20.98	20.72			
10	16QAM	25	25	20.71	20.81	20.84	22	1.1	
10	16QAM	50	0	20.78	20.82	20.81			
10	64QAM	1	0	21.03	21.16	21.23			
10	64QAM	1	25	21.04	21.09	21.07			
10	64QAM	1	49	21.05	21.07	21.06	22	1.1	
10	64QAM	25	0	19.77	19.84	19.82			
10	64QAM	25	12	19.81	19.73	19.63			
10	64QAM	25	25	19.77	19.78	19.67			
10	64QAM	50	0	19.82	19.88	19.65	19	4.1	
10	256QAM	1	0	18.14	18.09	18.01			
10	256QAM	1	25	17.97	18.04	17.90			
10	256QAM	1	49	18.06	17.99	18.09			
10	256QAM	25	0	17.76	17.85	17.82	19	4.1	
10	256QAM	25	12	17.67	17.78	17.66			
10	256QAM	25	25	17.70	17.83	17.81			
10	256QAM	50	0	17.86	17.84	17.74			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.52	22.60	22.57	23.1	0	
5	QPSK	1	12	22.56	22.65	22.60			
5	QPSK	1	24	22.53	22.64	22.59			
5	QPSK	12	0	21.87	22.08	22.07			
5	QPSK	12	7	21.75	21.87	21.81	23	0.1	
5	QPSK	12	13	21.84	21.91	21.71			
5	QPSK	25	0	21.86	22.02	21.90			
5	16QAM	1	0	22.16	22.40	22.15			
5	16QAM	1	12	22.16	22.22	22.07	23	0.1	
5	16QAM	1	24	22.20	22.27	22.09			
5	16QAM	12	0	20.88	20.83	20.85			
5	16QAM	12	7	20.82	20.99	20.69			
5	16QAM	12	13	20.72	20.83	20.85	22	1.1	
5	16QAM	25	0	20.83	20.83	20.88			
5	64QAM	1	0	21.04	21.26	21.27			
5	64QAM	1	12	21.04	21.10	21.11			
5	64QAM	1	24	20.97	21.15	21.10	22	1.1	
5	64QAM	12	0	19.84	19.84	19.82			
5	64QAM	12	7	19.80	19.73	19.65			
5	64QAM	12	13	19.71	19.83	19.67			
5	64QAM	25	0	19.81	19.83	19.66	21	2.1	
5	256QAM	1	0	18.05	18.15	18.05			
5	256QAM	1	12	17.95	18.04	17.91			
5	256QAM	1	24	18.01	17.92	18.09			
5	256QAM	12	0	17.82	17.83	17.79	19	4.1	
5	256QAM	12	7	17.69	17.75	17.64			
5	256QAM	12	13	17.75	17.82	17.77			
5	256QAM	25	0	17.84	17.82	17.81			

Band 30 Ant 2									
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				27710					
Frequency (MHz)				2310					
10	QPSK	1	0		23.09		24	0	
10	QPSK	1	25		22.89				
10	QPSK	1	49		22.91				
10	QPSK	25	0		22.09				
10	QPSK	25	12		21.92		23	1	
10	QPSK	25	25		21.84				
10	QPSK	50	0		22.04				
10	16QAM	1	0		22.36				
10	16QAM	1	25		22.36		23	1	
10	16QAM	1	49		22.33				
10	16QAM	25	0		20.97				
10	16QAM	25	12		20.91				
10	16QAM	25	25		20.89		22	2	
10	16QAM	50	0		20.93				
10	64QAM	1	0		21.28				
10	64QAM	1	25		21.23				
10	64QAM	1	49		21.09		22	2	
10	64QAM	25	0		19.92				
10	64QAM	25	12		19.85				
10	64QAM	25	25		19.83				
10	64QAM	50	0		19.88		21	3	
10	256QAM	1	0		18.10				
10	256QAM	1	25		18.14				
10	256QAM	1	49		18.07				
10	256QAM	25	0		17.92		19	5	
10	256QAM	25	12		17.80				
10	256QAM	25	25		17.91				
10	256QAM	50	0		17.84				
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	23.04	23.04	23.03	24	0	
5	QPSK	1	12	22.81	22.88	22.78			
5	QPSK	1	24	22.86	22.81	22.88			
5	QPSK	12	0	22.07	21.99	22.05			
5	QPSK	12	7	21.85	21.80	21.92	23	1	
5	QPSK	12	13	21.73	21.79	21.75			
5	QPSK	25	0	22.00	22.01	21.96			
5	16QAM	1	0	22.33	22.33	22.35			
5	16QAM	1	12	22.25	22.25	22.33	23	1	
5	16QAM	1	24	22.23	22.29	22.22			
5	16QAM	12	0	20.91	20.96	20.92			
5	16QAM	12	7	20.88	20.90	20.82			
5	16QAM	12	13	20.86	20.84	20.78	22	2	
5	16QAM	25	0	20.89	20.86	20.83			
5	64QAM	1	0	21.22	21.24	21.22			
5	64QAM	1	12	21.22	21.17	21.21			
5	64QAM	1	24	20.99	21.01	21.00	22	2	
5	64QAM	12	0	19.84	19.80	19.91			
5	64QAM	12	7	19.74	19.83	19.74			
5	64QAM	12	13	19.76	19.80	19.71			
5	64QAM	25	0	19.83	19.79	19.85	21	3	
5	256QAM	1	0	18.04	18.04	18.05			
5	256QAM	1	12	18.14	18.10	18.09			
5	256QAM	1	24	17.98	18.03	18.03			
5	256QAM	12	0	17.91	17.91	17.85	19	5	
5	256QAM	12	7	17.71	17.79	17.79			
5	256QAM	12	13	17.85	17.81	17.85			
5	256QAM	25	0	17.72	17.80	17.72			

Band 42 FCC Part27Q Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up time (dBm)	MPR (dB)	
Channel				42190	42990	43090	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	23.13	23.15	23.90	24	0	
20	QPSK	1	48	23.01	23.02	23.91			
20	QPSK	1	99	23.01	22.96	22.80			
20	QPSK	50	0	22.16	22.16	22.11	23	1	
20	QPSK	50	24	22.61	22.64	21.90			
20	QPSK	50	50	21.99	21.98	21.92			
20	HQAM	1	0	22.48	22.41	22.94	23	1	
20	HQAM	1	48	22.43	22.43	22.26			
20	HQAM	1	99	22.37	22.43	22.26			
20	HQAM	50	0	21.03	21.04	20.88	22	2	
20	HQAM	50	24	21.01	21.67	20.85			
20	HQAM	50	50	20.92	20.90	20.94			
20	HQAM	100	0	20.98	20.96	20.89	22	2	
20	HQAM	1	0	21.27	21.27	21.24			
20	HQAM	1	48	21.27	21.28	21.19			
20	HQAM	1	99	21.17	21.15	21.26	21	3	
20	HQAM	50	0	20.01	19.97	19.95			
20	HQAM	50	24	19.98	19.89	19.83			
20	HQAM	50	50	19.97	19.83	19.86	20	0	
20	HQAM	100	0	19.96	19.96	19.84			
20	256QAM	1	0	18.24	18.17	18.14			
20	256QAM	1	48	18.20	18.16	18.07	19	5	
20	256QAM	1	99	18.08	18.14	18.12			
20	256QAM	50	0	17.68	17.67	17.56			
20	256QAM	50	24	17.66	17.69	17.75	19	5	
20	256QAM	50	50	17.62	17.60	17.63			
20	256QAM	100	0	17.66	17.61	17.58			
Channel				42165	42990	43015	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3547.5	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	0	23.08	23.10	23.87			
15	QPSK	1	37	22.94	22.84	22.80	24	0	
15	QPSK	1	74	22.92	22.82	22.70			
15	QPSK	36	0	22.03	22.13	22.98			
15	QPSK	36	20	21.90	21.99	21.85	23	1	
15	QPSK	36	48	21.91	21.88	21.88			
15	QPSK	75	0	22.06	21.98	21.92			
15	HQAM	1	0	22.36	22.33	22.27	23	1	
15	HQAM	1	37	22.36	22.27	22.22			
15	HQAM	1	74	22.35	22.31	22.20			
15	HQAM	36	0	21.00	20.91	20.77	22	2	
15	HQAM	36	20	20.98	20.94	20.92			
15	HQAM	36	39	20.80	20.87	20.80			
15	HQAM	75	0	20.91	20.82	20.78	22	2	
15	HQAM	1	0	21.25	21.13	21.31			
15	HQAM	1	37	21.15	21.19	21.09			
15	HQAM	1	74	21.13	21.05	21.18	21	3	
15	HQAM	36	0	19.63	19.62	19.63			
15	HQAM	36	20	19.91	19.89	19.72			
15	HQAM	36	39	19.63	19.72	19.66	19	5	
15	HQAM	75	0	19.89	19.92	19.81			
15	256QAM	1	0	18.16	18.10	18.04			
15	256QAM	1	37	18.10	18.02	18.02	19	5	
15	256QAM	1	74	18.00	18.12	18.04			
15	256QAM	36	0	17.94	17.81	17.87			
15	256QAM	36	20	17.73	17.82	17.70	19	5	
15	256QAM	36	39	17.86	17.77	17.78			
15	256QAM	75	0	17.67	17.66	17.75			
Channel				42140	42990	43040	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500	3545	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	0	23.04	23.10	22.94			
10	QPSK	1	25	22.90	22.84	22.79	24	0	
10	QPSK	1	49	22.96	22.82	22.71			
10	QPSK	36	0	22.06	22.08	21.98			
10	QPSK	25	12	21.89	21.94	21.82	23	1	
10	QPSK	25	25	21.62	21.65	21.81			
10	QPSK	50	0	22.02	22.05	21.96			
10	HQAM	1	0	22.37	22.27	22.20	23	1	
10	HQAM	1	25	22.41	22.27	22.32			
10	HQAM	1	49	22.26	22.35	22.21			
10	HQAM	25	0	20.93	20.96	20.80	22	2	
10	HQAM	25	12	20.67	21.03	20.72			
10	HQAM	25	25	20.89	20.84	20.86			
10	HQAM	50	0	20.89	20.85	20.75	22	2	
10	HQAM	1	0	21.14	21.22	21.22			
10	HQAM	1	25	21.24	21.22	21.13			
10	HQAM	1	49	21.10	21.09	21.19	21	3	
10	HQAM	25	0	19.97	19.85	19.81			
10	HQAM	25	12	19.90	19.75	19.75			
10	HQAM	25	25	19.74	19.71	19.83	19	5	
10	HQAM	50	0	19.90	19.83	19.81			
10	256QAM	1	0	18.10	18.06	18.11			
10	256QAM	1	25	18.09	18.06	17.99	19	5	
10	256QAM	1	49	18.02	18.01	18.00			
10	256QAM	25	0	17.96	17.93	17.78			
10	256QAM	25	12	17.90	17.80	17.66	19	5	
10	256QAM	25	25	17.85	17.75	17.75			
10	256QAM	50	0	17.90	17.86	17.74			
Channel				42115	42990	43065	Turn-up time (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500	3547.5	Turn-up time (dBm)	MPR (dB)	
5	QPSK	1	0	23.08	23.02	22.88			
5	QPSK	1	16	22.97	22.91	22.83	24	0	
5	QPSK	1	24	22.92	22.92	22.69			
5	QPSK	12	0	22.63	22.15	21.98			
5	QPSK	12	7	21.95	22.01	21.83	23	1	
5	QPSK	12	13	21.85	21.86	21.78			
5	QPSK	25	0	22.03	22.06	21.92			
5	HQAM	1	0	22.39	22.31	22.22	23	1	
5	HQAM	1	12	22.36	22.25	22.13			
5	HQAM	1	24	22.24	22.38	22.32			
5	HQAM	12	0	20.98	21.02	20.77	22	2	
5	HQAM	12	7	20.88	20.96	20.72			
5	HQAM	12	13	20.84	20.84	20.90			
5	HQAM	25	0	20.89	20.93	20.85	22	2	
5	HQAM	1	0	21.22	21.19	21.28			
5	HQAM	1	12	21.16	21.19	21.09			
5	HQAM	1	24	21.08	21.11	21.18	21	3	
5	HQAM	12	0	19.67	19.84	19.92			
5	HQAM	12	7	19.91	19.82	19.79			
5	HQAM	25	0	19.85	19.82	19.71	19	5	
5	256QAM	1	0	18.17	18.07	18.01			
5	256QAM	1	12	18.12	18.07	17.99			
5	256QAM	1	24	17.99	18.02	17.99	19	5	
5	256QAM	12	0	17.86	17.86	17.83			
5	256QAM	12	7	17.84	17.81	17.86			
5	256QAM	12	13	17.80	17.81	17.73	19	5	
5	256QAM	25	0	17.84	17.89	17.84			

Band 42 FCC Part27Q 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				42190	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	20.77	20.78	20.74			
20	QPSK	1	49	20.71	20.76	20.67	21.7	0	
20	QPSK	1	99	20.75	20.75	20.75			
20	QPSK	50	0	20.69	20.74	20.64			
20	QPSK	50	24	20.66	20.59	20.63	21.7	0	
20	QPSK	50	50	20.65	20.60	20.67			
20	QPSK	100	0	20.52	20.56	20.36			
20	16QAM	1	0	20.50	20.57	20.53	21.7	0	
20	16QAM	1	49	20.47	20.54	20.49			
20	16QAM	1	99	20.64	20.66	20.35			
20	16QAM	50	0	20.36	20.22	20.40	21.7	0	
20	16QAM	50	24	20.24	20.26	20.31			
20	16QAM	50	50	20.41	20.42	20.40			
20	16QAM	100	0	20.25	20.27	20.42	21.7	0	
20	64QAM	1	0	20.33	20.40	20.28			
20	64QAM	1	49	20.20	20.29	20.49			
20	64QAM	1	99	20.27	20.34	20.34	21.7	0	
20	64QAM	50	0	19.81	19.90	19.77			
20	64QAM	50	24	19.83	19.78	19.67			
20	64QAM	50	50	19.67	19.78	19.73	21	0.7	
20	64QAM	100	0	19.80	19.79	19.74			
20	256QAM	1	0	18.00	18.08	18.10			
20	256QAM	1	49	17.96	17.97	17.88	19	2.7	
20	256QAM	1	99	17.93	17.92	17.99			
20	256QAM	50	0	17.83	17.85	17.78			
20	256QAM	50	24	17.71	17.71	17.58	19	2.7	
20	256QAM	50	50	17.74	17.80	17.68			
20	256QAM	100	0	17.85	17.85	17.74			
Channel				42165	42590	43015	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	20.73	20.73	20.70			
15	QPSK	1	37	20.60	20.61	20.54	21.7	0	
15	QPSK	1	74	20.68	20.65	20.63			
15	QPSK	36	0	20.58	20.65	20.49			
15	QPSK	36	20	20.44	20.52	20.47	21.7	0	
15	QPSK	36	39	20.42	20.47	20.60			
15	QPSK	75	0	20.44	20.43	20.27			
15	16QAM	1	0	20.42	20.49	20.38	21.7	0	
15	16QAM	1	37	20.38	20.47	20.34			
15	16QAM	1	74	20.50	20.59	20.29			
15	16QAM	36	0	20.20	20.07	20.31	21.7	0	
15	16QAM	36	20	20.17	20.19	20.27			
15	16QAM	36	39	20.27	20.34	20.30			
15	16QAM	75	0	20.16	20.22	20.27	21.7	0	
15	64QAM	1	0	20.23	20.39	20.21			
15	64QAM	1	37	20.15	20.25	20.41			
15	64QAM	1	74	20.11	20.28	20.20	21.7	0	
15	64QAM	36	0	19.73	19.87	19.73			
15	64QAM	36	20	19.75	19.67	19.60			
15	64QAM	36	39	19.59	19.67	19.73	21	0.7	
15	64QAM	75	0	19.70	19.76	19.64			
15	256QAM	1	0	17.62	17.96	18.06			
15	256QAM	1	37	17.89	17.91	17.79	19	2.7	
15	256QAM	1	74	17.89	17.87	17.84			
15	256QAM	36	0	17.79	17.78	17.69			
15	256QAM	36	20	17.68	17.66	17.48	19	2.7	
15	256QAM	36	39	17.73	17.73	17.66			
15	256QAM	75	0	17.77	17.76	17.71			
Channel				42140	42590	43040	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	20.67	20.62	20.58			
10	QPSK	1	25	20.65	20.64	20.59	21.7	0	
10	QPSK	1	49	20.68	20.66	20.67			
10	QPSK	25	0	20.60	20.61	20.50			
10	QPSK	25	12	20.41	20.44	20.58	21.7	0	
10	QPSK	25	25	20.41	20.45	20.59			
10	QPSK	50	0	20.38	20.47	20.27			
10	16QAM	1	0	20.37	20.48	20.45	21.7	0	
10	16QAM	1	25	20.33	20.39	20.44			
10	16QAM	1	49	20.54	20.56	20.20			
10	16QAM	25	0	20.21	20.17	20.29	21.7	0	
10	16QAM	25	12	20.19	20.12	20.26			
10	16QAM	25	25	20.30	20.27	20.28			
10	16QAM	50	0	20.17	20.22	20.35	21.7	0	
10	64QAM	1	0	20.27	20.37	20.17			
10	64QAM	1	25	20.16	20.13	20.35			
10	64QAM	1	49	20.15	20.27	20.21	21.7	0	
10	64QAM	25	0	19.70	19.86	19.70			
10	64QAM	25	12	19.81	19.73	19.60			
10	64QAM	25	25	19.58	19.67	19.63	21	0.7	
10	64QAM	50	0	19.71	19.72	19.66			
10	256QAM	1	0	18.00	18.00	18.10			
10	256QAM	1	25	17.90	17.91	17.77	19	2.7	
10	256QAM	1	49	17.84	17.85	17.97			
10	256QAM	25	0	17.77	17.81	17.76			
10	256QAM	25	12	17.61	17.68	17.56	19	2.7	
10	256QAM	25	25	17.67	17.69	17.64			
10	256QAM	50	0	17.78	17.79	17.69			
Channel				42115	42590	43065	Turn-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	20.64	20.63	20.60			
5	QPSK	1	12	20.58	20.58	20.53	21.7	0	
5	QPSK	1	24	20.63	20.60	20.61			
5	QPSK	12	0	20.64	20.62	20.54			
5	QPSK	12	7	20.43	20.52	20.50	21.7	0	
5	QPSK	12	13	20.35	20.55	20.54			
5	QPSK	25	0	20.45	20.44	20.31			
5	16QAM	1	0	20.40	20.51	20.45	21.7	0	
5	16QAM	1	12	20.34	20.47	20.34			
5	16QAM	1	24	20.56	20.52	20.28			
5	16QAM	12	0	20.18	20.14	20.30	21.7	0	
5	16QAM	12	7	20.14	20.19	20.19			
5	16QAM	12	13	20.33	20.29	20.32			
5	64QAM	1	0	20.21	20.19	20.32	21.7	0	
5	64QAM	1	0	20.26	20.42	20.11			
5	64QAM	1	12	20.06	20.19	20.45			
5	64QAM	1	24	20.16	20.23	20.25	21.7	0	
5	64QAM	12	0	19.76	19.82	19.68			
5	64QAM	12	7	19.74	19.74	19.60			
5	64QAM	12	13	19.63	19.66	19.65	21	0.7	
5	64QAM	25	0	19.72	19.71	19.70			
5	256QAM	1	0	17.97	17.97	18.03			
5	256QAM	1	12	17.82	17.89	17.80	19	2.7	
5	256QAM	1	24	17.83	17.86	17.99			
5	256QAM	12	0	17.82	17.75	17.71			
5	256QAM	12	7	17.62	17.68	17.56	19	2.7	
5	256QAM	12	13	17.73	17.69	17.60			
5	256QAM	25	0	17.80	17.78	17.73			

Band 48_FCC 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.	Tune-up limit (dBm)	MPR (dB)			
Channel				55340	55830	56150	56640					
Frequency (MHz)				3550	3609	3641	3690					
20	QPSK	1	0	20.46	20.58	20.56	20.46	21.7	0			
20	QPSK	1	49	20.49	20.56	20.45	20.45					
20	QPSK	1	99	20.54	20.51	20.52	20.39					
20	QPSK	50	0	20.38	20.51	20.44	20.38					
20	QPSK	50	24	20.42	20.33	20.43	20.37	21.7	0			
20	QPSK	50	50	20.44	20.40	20.44	20.32					
20	QPSK	100	0	20.19	20.30	20.16	20.07					
20	16QAM	1	0	20.26	20.39	20.28	20.17					
20	16QAM	1	49	20.25	20.30	20.34	20.13	21.7	0			
20	16QAM	1	99	20.19	20.48	20.16	20.07					
20	16QAM	50	0	20.21	20.07	20.28	20.18					
20	16QAM	50	24	20.03	20.05	20.16	20.00					
20	16QAM	50	50	20.24	20.21	20.25	20.13	21.7	0			
20	16QAM	100	0	20.14	20.07	20.20	20.04					
20	64QAM	1	0	20.24	20.26	20.07	19.97					
20	64QAM	1	49	20.27	20.10	20.26	20.08	21.7	0			
20	64QAM	1	99	20.28	20.12	20.20	20.15					
20	64QAM	50	0	20.08	20.12	20.11	20.07					
20	64QAM	50	24	20.07	20.10	19.98	19.95					
20	64QAM	50	50	20.02	20.05	20.10	19.98	21	0.7			
20	64QAM	100	0	20.01	20.15	20.07	20.00					
20	256QAM	1	0	18.34	18.33	18.35	18.38					
20	256QAM	1	49	18.26	18.25	18.22	18.22	19	2.7			
20	256QAM	1	99	18.25	18.26	18.29	18.29					
20	256QAM	50	0	18.09	18.20	18.09	18.05					
20	256QAM	50	24	18.01	18.00	18.03	18.05					
20	256QAM	50	50	17.97	18.04	18.06	17.99	19	2.7			
20	256QAM	100	0	18.04	18.14	18.13	18.06					
Channel				55315	55820	56160	56655					
Frequency (MHz)				3557.5	3600	3642.5	3602.5					
15	QPSK	1	0	20.37	20.47	20.44	20.34	21.7	0			
15	QPSK	1	37	20.40	20.47	20.35	20.40					
15	QPSK	1	74	20.40	20.39	20.43	20.27					
15	QPSK	36	0	20.23	20.41	20.32	20.26					
15	QPSK	36	20	20.36	20.27	20.34	20.24	21.7	0			
15	QPSK	36	39	20.38	20.27	20.39	20.17					
15	QPSK	75	0	20.14	20.22	20.00	19.96					
15	16QAM	1	0	20.19	20.24	20.21	20.12					
15	16QAM	1	37	20.16	20.23	20.27	19.99	21.7	0			
15	16QAM	1	74	20.11	20.36	20.06	19.91					
15	16QAM	36	0	20.09	19.93	20.12	20.03					
15	16QAM	36	20	19.87	19.96	20.08	19.93					
15	16QAM	36	39	20.16	20.06	20.17	19.99	21.7	0			
15	16QAM	75	0	20.02	19.98	20.10	19.90					
15	64QAM	1	0	20.19	20.16	19.98	19.82					
15	64QAM	1	37	20.22	20.01	20.14	20.02					
15	64QAM	1	74	20.15	20.01	20.10	20.05	21.7	0			
15	64QAM	36	0	20.00	20.07	20.07	20.01					
15	64QAM	36	20	19.89	20.02	19.95	19.90					
15	64QAM	36	39	19.93	19.99	20.07	19.89					
15	64QAM	75	0	19.96	20.11	19.97	19.94	19	2.7			
15	256QAM	1	0	18.28	18.24	18.28	18.33					
15	256QAM	1	37	18.15	18.23	18.12	18.15					
15	256QAM	1	74	18.21	18.17	18.20	18.17					
15	256QAM	36	0	17.86	18.13	18.05	18.00	19	2.7			
15	256QAM	36	20	17.95	17.91	17.98	17.84					
15	256QAM	36	39	17.80	17.84	17.95	17.83					
15	256QAM	75	0	17.96	18.04	18.01	17.87					
Channel				55290	55815	56165	56660					
Frequency (MHz)				3555	3607.5	3642.5	3695					
10	QPSK	1	0	20.32	20.54	20.50	20.35	21.7	0			
10	QPSK	1	25	20.40	20.50	20.36	20.37					
10	QPSK	1	49	20.44	20.40	20.45	20.33					
10	QPSK	25	0	20.34	20.39	20.36	20.24					
10	QPSK	25	12	20.36	20.25	20.32	20.26	21.7	0			
10	QPSK	25	25	20.30	20.25	20.31	20.16					
10	QPSK	50	0	20.05	20.20	20.04	19.96					
10	16QAM	1	0	20.17	20.32	20.22	20.12					
10	16QAM	1	25	20.15	20.21	20.25	20.08	21.7	0			
10	16QAM	1	49	20.10	20.36	20.03	20.03					
10	16QAM	25	0	20.11	19.93	20.24	20.14					
10	16QAM	25	12	19.91	20.00	20.10	19.91					
10	16QAM	25	25	20.13	20.05	20.16	20.04	21.7	0			
10	16QAM	50	0	20.03	19.92	20.13	19.88					
10	64QAM	1	0	20.10	20.20	19.98	19.84					
10	64QAM	1	25	20.12	19.96	20.16	19.92					
10	64QAM	1	49	20.12	20.05	20.08	20.03	21	0.7			
10	64QAM	25	0	20.05	20.05	19.99	19.96					
10	64QAM	25	12	20.07	19.96	19.96	19.89					
10	64QAM	25	25	19.93	19.98	20.09	19.93					
10	64QAM	50	0	19.99	20.09	20.07	19.97	19	2.7			
10	256QAM	1	0	18.24	18.30	18.28	18.29					
10	256QAM	1	25	18.20	18.16	18.18	18.11					
10	256QAM	1	49	18.14	18.25	18.17	18.24					
10	256QAM	25	0	17.86	18.17	18.04	17.97	19	2.7			
10	256QAM	25	12	17.88	17.96	17.99	17.83					
10	256QAM	25	25	17.89	18.04	17.97	17.82					
10	256QAM	50	0	18.00	18.07	18.08	18.00					
Channel				55265	55810	56170	56715					
Frequency (MHz)				3552.5	3607	3643	3607.5					
5	QPSK	1	0	20.40	20.43	20.40	20.39	21.7	0			
5	QPSK	1	12	20.37	20.50	20.29	20.33					
5	QPSK	1	24	20.38	20.36	20.36	20.30					
5	QPSK	12	0	20.26	20.40	20.36	20.26					
5	QPSK	12	7	20.30	20.22	20.37	20.32	21.7	0			
5	QPSK	12	13	20.39	20.26	20.33	20.25					
5	QPSK	25	0	20.12	20.24	20.00	19.95					
5	16QAM	1	0	20.21	20.35	20.17	20.07					
5	16QAM	1	12	20.10	20.25	20.22	20.01	21.7	0			
5	16QAM	1	24	20.13	20.39	20.08	20.01					
5	16QAM	12	0	20.06	20.02	20.22	20.08					
5	16QAM	12	7	19.96	19.99	20.08	19.96					
5	16QAM	12	13	20.11	20.10	20.13	20.01	21.7	0			
5	16QAM	25	0	20.00	19.94	20.12	19.91					
5	64QAM	1	0	20.09	20.11	19.93	19.83					
5	64QAM	1	12	20.15	20.05	20.17	19.95	21	0.7			
5	64QAM	1	24	20.15	20.07	20.11	20.02					
5	64QAM	12	0	20.05	20.03	20.00	20.05					
5	64QAM	12	7	20.00	20.00	19.99	19.93					
5	64QAM	12	13	19.96	19.96	19.98	19.89	21	0.7			
5	256QAM	25	0	19.91	20.13	20.04	19.98					
5	256QAM	1	0	18.32	18.25	18.27	18.28					
5	256QAM	1	12	18.23	18.21	18.20	18.21					
5	256QAM	12	0	18.03	18.09	18.00	17.99	19	2.7			
5	256QAM	12	7	17.84	17.97	17.89	17.80	19	2.7			
5	256QAM	12	13	17.96	17.94	17.97	17.89					
5	256QAM	25	0	18.04	18.05	18.05	18.00					

Band 42 FCC Part27Q Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel					42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3450	3500	3550		
20	QPSK	1	0	21.94	21.96	21.88		23	0
20	QPSK	1	49	21.87	21.81	21.72			
20	QPSK	1	99	21.78	21.74	21.76			
20	QPSK	50	0	20.80	20.93	20.91			
20	QPSK	50	24	20.73	20.83	20.71		22	1
20	QPSK	50	50	20.78	20.71	20.63			
20	QPSK	100	0	20.92	20.94	20.86			
20	16QAM	1	0	21.17	21.21	21.07			
20	16QAM	1	49	21.19	21.12	20.98		22	1
20	16QAM	1	99	21.17	21.18	20.99			
20	16QAM	50	0	19.80	19.80	19.64			
20	16QAM	50	24	19.83	19.85	19.67		21	2
20	16QAM	50	50	19.85	19.73	19.61			
20	16QAM	100	0	19.79	19.74	19.65			
20	64QAM	1	0	20.04	20.05	19.99			
20	64QAM	1	49	19.98	20.05	19.96		21	2
20	64QAM	1	99	19.97	19.92	19.95			
20	64QAM	50	0	18.89	18.76	18.66			
20	64QAM	50	24	18.74	18.66	18.56		20	3
20	64QAM	50	50	18.74	18.63	18.64			
20	64QAM	100	0	18.70	18.76	18.62			
20	256QAM	1	0	17.04	16.95	17.00		18	5
20	256QAM	1	49	16.89	16.90	16.79			
20	256QAM	1	99	16.86	16.84	16.91			
20	256QAM	50	0	16.82	16.83	16.64			
20	256QAM	50	24	16.76	16.71	16.48		18	5
20	256QAM	50	50	16.69	16.74	16.53			
20	256QAM	100	0	16.88	16.71	16.62			
Channel					42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3457.5	3500	3542.5		
15	QPSK	1	0	21.88	21.85	21.85		23	0
15	QPSK	1	37	21.76	21.74	21.70			
15	QPSK	1	74	21.66	21.65	21.70			
15	QPSK	36	0	20.92	20.97	20.98			
15	QPSK	36	20	20.69	20.80	20.62		22	1
15	QPSK	36	39	20.73	20.68	20.53			
15	QPSK	75	0	20.89	20.78	20.80			
15	16QAM	1	0	21.06	21.16	20.98			
15	16QAM	1	37	21.14	21.12	20.93		22	1
15	16QAM	1	74	21.05	21.15	20.91			
15	16QAM	36	0	19.78	19.75	19.56			
15	16QAM	36	20	19.80	19.83	19.64		21	2
15	16QAM	36	39	19.84	19.62	19.52			
15	16QAM	75	0	19.69	19.70	19.59			
15	64QAM	1	0	19.98	19.97	19.93			
15	64QAM	1	37	19.92	20.00	19.94		21	2
15	64QAM	1	74	19.92	19.83	19.94			
15	64QAM	36	0	18.83	18.75	18.54			
15	64QAM	36	20	18.72	18.55	18.54		20	3
15	64QAM	36	39	18.83	18.61	18.52			
15	64QAM	75	0	18.62	18.74	18.54			
15	256QAM	1	0	16.93	16.95	16.98			
15	256QAM	1	37	16.81	16.88	16.79		18	5
15	256QAM	1	74	16.84	16.83	16.90			
15	256QAM	36	0	16.79	16.78	16.83			
15	256QAM	36	20	16.71	16.70	16.45		18	5
15	256QAM	36	39	16.58	16.66	16.45			
15	256QAM	75	0	16.70	16.69	16.55			
Channel					42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3455	3500	3545		
10	QPSK	1	0	21.89	21.89	21.81		23	0
10	QPSK	1	25	21.86	21.79	21.71			
10	QPSK	1	49	21.66	21.69	21.68			
10	QPSK	25	0	20.84	20.96	20.79			
10	QPSK	25	12	20.71	20.78	20.82		22	1
10	QPSK	25	25	20.89	20.60	20.55			
10	QPSK	50	0	20.83	20.72	20.74			
10	16QAM	1	0	21.06	21.09	20.96			
10	16QAM	1	25	21.10	21.02	20.92		22	1
10	16QAM	1	49	21.13	21.08	20.98			
10	16QAM	25	0	19.73	19.74	19.55			
10	16QAM	25	12	19.71	19.76	19.60		21	2
10	16QAM	25	25	19.62	19.83	19.45			
10	16QAM	50	0	19.79	19.67	19.60			
10	64QAM	1	0	19.96	19.97	19.96			
10	64QAM	1	25	19.88	20.05	19.94		21	2
10	64QAM	1	49	19.89	19.89	20.00			
10	64QAM	25	0	18.81	18.65	18.59			
10	64QAM	25	12	18.70	18.60	18.55		20	3
10	64QAM	25	25	18.66	18.56	18.61			
10	64QAM	50	0	18.80	18.72	18.57			
10	256QAM	1	0	16.82	16.90	16.97			
10	256QAM	1	25	16.87	16.82	16.71		18	5
10	256QAM	1	49	16.92	16.79	16.83			
10	256QAM	25	0	16.72	16.80	16.53			
10	256QAM	25	12	16.72	16.68	16.48		18	5
10	256QAM	25	25	16.61	16.71	16.48			
10	256QAM	50	0	16.77	16.61	16.59			
Channel					42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					3452.5	3500	3547.5		
5	QPSK	1	0	21.87	21.88	21.78		23	0
5	QPSK	1	12	21.83	21.80	21.65			
5	QPSK	1	24	21.60	21.63	21.67			
5	QPSK	12	0	20.81	20.87	20.82			
5	QPSK	12	7	20.89	20.73	20.69		22	1
5	QPSK	12	13	20.68	20.63	20.54			
5	QPSK	25	0	20.91	20.77	20.79			
5	16QAM	1	0	21.14	21.13	20.99			
5	16QAM	1	12	21.11	21.12	20.89		22	1
5	16QAM	1	24	21.09	21.15	20.95			
5	16QAM	12	0	19.75	19.68	19.64			
5	16QAM	12	7	19.72	19.82	19.62		21	2
5	16QAM	12	13	19.54	19.62	19.56			
5	16QAM	25	0	19.66	19.63	19.58			
5	64QAM	1	0	19.93	19.97	19.93			
5	64QAM	1	12	19.84	19.96	19.84		21	2
5	64QAM	1	24	19.85	19.83	19.95			
5	64QAM	12	0	18.89	18.73	18.65			
5	64QAM	12	7	18.68	18.66	18.48		20	3
5	64QAM	12	13	18.62	18.55	18.55			
5	64QAM	25	0	18.68	18.66	18.58			
5	256QAM	1	0	16.96	16.94	16.92			
5	256QAM	1	12	16.89	16.82	16.69		18	5
5	256QAM	1	24	16.80	16.77	16.90			
5	256QAM	12	0	16.71	16.76	16.55			
5	256QAM	12	7	16.75	16.68	16.39			
5	256QAM	12	13	16.66	16.64	16.50		18	5
5	256QAM	25	0	16.80	16.70	16.52			

Band 48_FCC Ant 6									
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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55630	56150	56680		
Frequency (MHz)				3550	3609	3641	3690		
20	QPSK	1	0	21.56	21.70	21.72	21.64	23	0
20	QPSK	1	49	21.43	21.65	21.64	21.56		
20	QPSK	1	99	21.49	21.59	21.64	21.45	22	1
20	QPSK	50	0	20.89	20.82	20.84	20.68		
20	QPSK	50	24	20.49	20.60	20.72	20.61	22	1
20	QPSK	50	50	20.47	20.53	20.59	20.54		
20	QPSK	100	0	20.67	20.69	20.72	20.69	22	1
20	16QAM	1	0	20.80	21.02	21.07	20.55		
20	16QAM	1	49	20.94	20.99	21.00	20.85	21	2
20	16QAM	1	99	20.82	20.96	21.04	20.86		
20	16QAM	50	0	19.83	19.88	19.87	19.57	21	2
20	16QAM	50	24	19.54	19.68	19.66	19.51		
20	16QAM	50	50	19.47	19.52	19.55	19.60	21	2
20	16QAM	100	0	19.58	19.55	19.61	19.52		
20	64QAM	1	0	19.88	19.96	19.98	19.90	21	2
20	64QAM	1	49	19.80	19.86	19.91	19.85		
20	64QAM	1	99	19.71	19.82	19.82	19.89	20	3
20	64QAM	50	0	18.63	18.63	18.69	18.49		
20	64QAM	50	24	18.46	18.51	18.56	18.46	18	5
20	64QAM	50	50	18.54	18.54	18.46	18.43		
20	64QAM	100	0	18.50	18.57	18.59	18.47	18	5
20	256QAM	1	0	16.76	16.82	16.79	16.86		
20	256QAM	1	49	16.79	16.83	16.81	16.69	18	5
20	256QAM	1	99	16.74	16.74	16.80	16.86		
20	256QAM	50	0	16.51	16.59	16.60	16.48	18	5
20	256QAM	50	24	16.47	16.50	16.57	16.39		
20	256QAM	50	50	16.54	16.52	16.58	16.48	18	5
20	256QAM	100	0	16.55	16.53	16.63	16.51		
Channel				55315	55620	56160	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.53	21.59	21.62	21.55	23	0
15	QPSK	1	37	21.37	21.54	21.53	21.49		
15	QPSK	1	74	21.48	21.54	21.64	21.36	22	1
15	QPSK	36	0	20.63	20.80	20.78	20.58		
15	QPSK	36	20	20.38	20.50	20.64	20.50	22	1
15	QPSK	36	39	20.36	20.52	20.54	20.54		
15	QPSK	75	0	20.67	20.67	20.67	20.60	21	2
15	16QAM	1	0	19.83	20.93	20.96	20.54		
15	16QAM	1	37	20.83	20.95	20.91	20.73	21	2
15	16QAM	1	74	20.82	20.94	21.02	20.75		
15	16QAM	36	0	19.52	19.80	19.58	19.55	21	2
15	16QAM	36	20	19.42	19.62	19.61	19.48		
15	16QAM	36	39	19.37	19.44	19.55	19.49	21	2
15	16QAM	75	0	19.67	19.52	19.55	19.42		
15	64QAM	1	0	19.80	19.87	19.91	19.82	21	2
15	64QAM	1	37	19.78	19.79	19.90	19.87		
15	64QAM	1	74	19.67	19.81	19.77	19.83	20	3
15	64QAM	36	0	18.67	18.62	18.63	18.47		
15	64QAM	36	20	18.42	18.50	18.46	18.40	18	5
15	64QAM	36	39	18.50	18.52	18.42	18.39		
15	64QAM	75	0	18.46	18.49	18.57	18.41	18	5
15	256QAM	1	0	16.67	16.81	16.67	16.81		
15	256QAM	1	37	16.76	16.72	16.73	16.61	18	5
15	256QAM	1	74	16.83	16.73	16.78	16.77		
15	256QAM	36	0	16.41	16.57	16.50	16.42	18	5
15	256QAM	36	20	16.44	16.47	16.49	16.37		
15	256QAM	36	39	16.50	16.40	16.47	16.36	18	5
15	256QAM	75	0	16.52	16.49	16.52	16.49		
Channel				55260	55615	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3665		
10	QPSK	1	0	21.56	21.69	21.69	21.53	23	0
10	QPSK	1	25	21.42	21.58	21.65	21.54		
10	QPSK	1	49	21.40	21.58	21.60	21.37	22	1
10	QPSK	25	0	20.59	20.73	20.82	20.58		
10	QPSK	25	12	20.48	20.52	20.70	20.56	22	1
10	QPSK	25	25	20.42	20.48	20.53	20.47		
10	QPSK	50	0	20.57	20.63	20.60	20.61	22	1
10	16QAM	1	0	20.86	21.00	21.03	20.93		
10	16QAM	1	25	20.88	20.92	20.98	20.78	21	2
10	16QAM	1	49	20.74	20.94	21.00	20.81		
10	16QAM	25	0	19.63	19.62	19.67	19.57	21	2
10	16QAM	25	12	19.47	19.58	19.65	19.41		
10	16QAM	25	25	19.39	19.47	19.55	19.55	21	2
10	16QAM	50	0	19.67	19.51	19.55	19.43		
10	64QAM	1	0	19.84	19.87	19.86	19.79	21	2
10	64QAM	1	25	19.78	19.81	19.87	19.77		
10	64QAM	1	49	19.70	19.79	19.76	19.82	20	3
10	64QAM	25	0	18.52	18.58	18.67	18.43		
10	64QAM	25	12	18.45	18.46	18.48	18.42	18	5
10	64QAM	25	25	18.51	18.51	18.45	18.34		
10	64QAM	50	0	18.48	18.52	18.57	18.37	18	5
10	256QAM	1	0	16.68	16.79	16.75	16.77		
10	256QAM	1	25	16.76	16.75	16.72	16.61	18	5
10	256QAM	1	49	16.68	16.67	16.76	16.75		
10	256QAM	25	0	16.44	16.53	16.54	16.38	18	5
10	256QAM	25	12	16.38	16.40	16.48	16.28		
10	256QAM	25	25	16.50	16.47	16.50	16.43	18	5
10	256QAM	50	0	16.45	16.44	16.50	16.48		
Channel				55265	55610	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	21.49	21.63	21.71	21.53	23	0
5	QPSK	1	12	21.33	21.58	21.61	21.51		
5	QPSK	1	24	21.45	21.55	21.60	21.41	22	1
5	QPSK	12	0	20.67	20.73	20.75	20.63		
5	QPSK	12	7	20.43	20.57	20.67	20.58	22	1
5	QPSK	12	13	20.45	20.50	20.56	20.53		
5	QPSK	25	0	20.64	20.62	20.69	20.61	22	1
5	16QAM	1	0	20.83	20.96	21.00	20.90		
5	16QAM	1	12	20.92	20.90	20.99	20.80	21	2
5	16QAM	1	24	20.76	20.89	20.93	20.64		
5	16QAM	12	0	19.55	19.66	19.60	19.53	21	2
5	16QAM	12	7	19.50	19.59	19.56	19.44		
5	16QAM	12	13	19.37	19.51	19.51	19.54	21	2
5	16QAM	25	0	19.52	19.53	19.58	19.49		
5	64QAM	1	0	19.77	19.84	19.98	19.90	21	2
5	64QAM	1	12	19.68	19.76	19.88	19.82		
5	64QAM	1	24	19.60	19.77	19.81	19.77	20	3
5	64QAM	12	0	18.59	18.54	18.61	18.42		
5	64QAM	12	7	18.42	18.51	18.48	18.44	18	5
5	64QAM	12	13	18.49	18.51	18.37	18.40		
5	64QAM	25	0	18.44	18.51	18.50	18.45	18	5
5	256QAM	1	0	16.64	16.62	16.72	16.65		
5	256QAM	1	12	16.77	16.80	16.70	16.64	18	5
5	256QAM	1	24	16.85	16.73	16.71	16.83		
5	256QAM	12	0	16.42	16.58	16.49	16.40	18	5
5	256QAM	12	7	16.39	16.48	16.53	16.37		
5	256QAM	12	13	16.51	16.45	16.53	16.40	18	5
5	256QAM	25	0	16.48	16.43	16.57	16.50		

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BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
				Channel	42190	42590	42990		
				Frequency (MHz)	3455	3500	3545		
20	QPSK	1	0	20.68	20.67	20.50		21.5	0
20	QPSK	1	49	20.44	20.53	20.36			
20	QPSK	1	99	20.37	20.41	20.31			
20	QPSK	50	0	19.84	19.65	19.61		20.5	1
20	QPSK	50	24	19.50	19.50	19.47			
20	QPSK	50	50	19.41	19.41	19.34			
20	QPSK	100	0	19.65	19.68	19.54		20.5	1
20	16QAM	1	0	19.88	19.95	19.88			
20	16QAM	1	49	19.94	19.85	19.79			
20	16QAM	1	99	19.90	19.88	19.75		19.5	2
20	16QAM	50	0	18.58	18.52	18.41			
20	16QAM	50	24	18.47	18.57	18.33			
20	16QAM	50	50	18.41	18.47	18.41		19.5	2
20	16QAM	100	0	18.48	18.41	18.38			
20	64QAM	1	0	18.75	18.76	18.61			
20	64QAM	1	49	18.69	18.74	18.68		18.5	3
20	64QAM	1	99	18.71	18.72	18.74			
20	64QAM	50	0	17.47	17.54	17.38			
20	64QAM	50	24	17.41	17.41	17.29		16.5	5
20	64QAM	50	50	17.37	17.44	17.29			
20	64QAM	100	0	17.45	17.44	17.31			
20	256QAM	1	0	15.72	15.67	15.64		16.5	5
20	256QAM	1	49	15.62	15.68	15.50			
20	256QAM	1	99	15.56	15.65	15.62			
20	256QAM	50	0	15.52	15.49	15.39		16.5	5
20	256QAM	50	24	15.35	15.38	15.23			
20	256QAM	50	50	15.39	15.39	15.29			
20	256QAM	100	0	15.49	15.45	15.43		Tune-up limit (dBm)	MPR (dB)
				Channel	42195	42595	42995		
				Frequency (MHz)	3457.5	3500	3542.5		
15	QPSK	1	0	20.59	20.60	20.47		21.5	0
15	QPSK	1	37	20.33	20.45	20.36			
15	QPSK	1	74	20.27	20.36	20.27			
15	QPSK	36	0	19.63	19.57	19.59		20.5	1
15	QPSK	36	20	19.39	19.50	19.45			
15	QPSK	36	39	19.32	19.32	19.24			
15	QPSK	75	0	19.62	19.53	19.52		20.5	1
15	16QAM	1	0	19.78	19.83	19.81			
15	16QAM	1	37	19.76	19.84	19.74			
15	16QAM	1	74	19.83	19.86	19.65		19.5	2
15	16QAM	36	0	18.49	18.46	18.41			
15	16QAM	36	20	18.36	18.56	18.24			
15	16QAM	36	39	18.39	18.46	18.37		19.5	2
15	16QAM	75	0	18.39	18.41	18.27			
15	64QAM	1	0	18.70	18.70	18.60			
15	64QAM	1	37	18.59	18.69	18.67		18.5	3
15	64QAM	1	74	18.61	18.64	18.68			
15	64QAM	36	0	17.37	17.44	17.36			
15	64QAM	36	20	17.39	17.32	17.19		16.5	5
15	64QAM	36	39	17.32	17.32	17.19			
15	64QAM	75	0	17.44	17.42	17.20			
15	256QAM	1	0	15.64	15.55	15.53		16.5	5
15	256QAM	1	37	15.51	15.60	15.40			
15	256QAM	1	74	15.53	15.64	15.62			
15	256QAM	36	0	15.45	15.43	15.31		16.5	5
15	256QAM	36	20	15.25	15.37	15.12			
15	256QAM	36	39	15.28	15.33	15.26			
15	256QAM	75	0	15.43	15.43	15.42		Tune-up limit (dBm)	MPR (dB)
				Channel	42140	42590	43040		
				Frequency (MHz)	3455	3500	3545		
10	QPSK	1	0	20.80	20.57	20.49		21.5	0
10	QPSK	1	25	20.38	20.46	20.28			
10	QPSK	1	49	20.36	20.40	20.26			
10	QPSK	25	0	19.60	19.60	19.60		20.5	1
10	QPSK	25	12	19.38	19.40	19.46			
10	QPSK	50	0	19.35	19.31	19.23			
10	QPSK	50	0	19.63	19.61	19.50		20.5	1
10	16QAM	1	0	19.76	19.88	19.85			
10	16QAM	1	25	19.84	19.80	19.68			
10	16QAM	1	49	19.67	19.84	19.65		19.5	2
10	16QAM	25	0	18.47	18.45	18.41			
10	16QAM	25	12	18.39	18.48	18.25			
10	16QAM	25	25	18.33	18.40	18.41		18.5	3
10	16QAM	50	0	18.46	18.33	18.35			
10	64QAM	1	0	18.68	18.67	18.79			
10	64QAM	1	25	18.62	18.72	18.65		16.5	5
10	64QAM	1	49	18.70	18.67	18.70			
10	64QAM	25	0	17.45	17.53	17.35			
10	64QAM	25	12	17.38	17.34	17.21		16.5	5
10	64QAM	25	25	17.33	17.34	17.20			
10	64QAM	50	0	17.38	17.38	17.30			
10	256QAM	1	0	15.61	15.57	15.61		16.5	5
10	256QAM	1	25	15.59	15.59	15.46			
10	256QAM	1	49	15.47	15.62	15.56			
10	256QAM	25	0	15.44	15.44	15.33		16.5	5
10	256QAM	25	12	15.32	15.28	15.21			
10	256QAM	25	25	15.31	15.31	15.26			
10	256QAM	50	0	15.47	15.36	15.36		Tune-up limit (dBm)	MPR (dB)
				Channel	42115	42590	43065		
				Frequency (MHz)	3452.5	3500	3547.5		
5	QPSK	1	0	20.65	20.57	20.40		21.5	0
5	QPSK	1	12	20.35	20.46	20.34			
5	QPSK	1	24	20.35	20.40	20.24			
5	QPSK	12	0	19.60	19.58	19.53		20.5	1
5	QPSK	12	7	19.44	19.49	19.45			
5	QPSK	12	13	19.37	19.34	19.33			
5	QPSK	25	0	19.63	19.60	19.44		20.5	1
5	16QAM	1	0	19.81	19.95	19.82			
5	16QAM	1	12	19.84	19.81	19.79			
5	16QAM	1	24	19.76	19.87	19.65		19.5	2
5	16QAM	12	0	18.51	18.43	18.34			
5	16QAM	12	7	18.44	18.57	18.30			
5	16QAM	12	13	18.38	18.42	18.30		18.5	3
5	16QAM	25	0	18.44	18.39	18.36			
5	64QAM	1	0	18.73	18.75	18.80			
5	64QAM	1	12	18.64	18.72	18.62		16.5	5
5	64QAM	1	24	18.67	18.64	18.62			
5	64QAM	12	0	17.43	17.44	17.31			
5	64QAM	12	7	17.39	17.37	17.21		16.5	5
5	64QAM	12	13	17.29	17.35	17.22			
5	64QAM	25	0	17.38	17.36	17.28			
5	256QAM	1	0	15.68	15.59	15.64		16.5	5
5	256QAM	1	12	15.55	15.61	15.39			
5	256QAM	1	24	15.52	15.62	15.62			
5	256QAM	12	0	15.44	15.46	15.27		16.5	5
5	256QAM	12	7	15.28	15.38	15.23			
5	256QAM	12	13	15.32	15.33	15.26			
5	256QAM	25	0	15.40	15.42	15.38			

Band 48_FCC Ant 7									
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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55630	56150	56680		
Frequency (MHz)				3550	3609	3661	3720		
20	QPSK	1	0	20.57	20.43	20.33	20.39	21.6	0
20	QPSK	1	49	20.54	20.50	20.41	20.47		
20	QPSK	1	99	20.50	20.48	20.50	20.40		
20	QPSK	50	0	19.83	19.72	19.61	19.78		
20	QPSK	50	24	19.87	19.55	19.35	19.60	21	0.6
20	QPSK	50	50	19.59	19.53	19.50	19.48		
20	QPSK	100	0	19.76	19.66	19.72	19.69		
20	16QAM	1	0	20.11	20.03	19.92	19.96		
20	16QAM	1	49	20.02	19.84	19.96	19.84	20	1.6
20	16QAM	1	99	20.09	19.87	19.81	19.89		
20	16QAM	50	0	18.64	18.53	18.63	18.61		
20	16QAM	50	24	18.66	18.55	18.56	18.51		
20	16QAM	50	50	18.51	18.58	18.51	18.53	20	1.6
20	16QAM	100	0	18.54	18.53	18.63	18.58		
20	64QAM	1	0	19.00	18.90	18.82	18.93		
20	64QAM	1	49	18.84	18.83	18.72	18.82		
20	64QAM	1	99	18.82	18.84	18.75	18.82	19	2.6
20	64QAM	50	0	17.89	17.57	17.58	17.51		
20	64QAM	50	24	17.63	17.49	17.49	17.43		
20	64QAM	50	50	17.49	17.49	17.61	17.45		
20	64QAM	100	0	17.57	17.49	17.56	17.49	17	4.6
20	256QAM	1	0	15.89	15.83	15.77	15.85		
20	256QAM	1	49	15.83	15.66	15.69	15.63		
20	256QAM	1	99	15.74	15.85	15.72	15.78		
20	256QAM	1	74	15.89	15.49	15.57	15.52	17	4.6
20	256QAM	50	24	15.57	15.36	15.44	15.38		
20	256QAM	50	50	15.53	15.43	15.51	15.51		
20	256QAM	100	0	15.54	15.56	15.61	15.55		
Channel				55815	56201	56769	57395	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3662	3692.5		
15	QPSK	1	0	20.45	20.31	20.46	20.23	21.6	0
15	QPSK	1	37	20.46	20.43	20.26	20.33		
15	QPSK	1	74	20.37	20.41	20.41	20.27		
15	QPSK	36	0	19.78	19.72	19.54	19.73		
15	QPSK	36	20	19.65	19.47	19.46	19.60	21	0.6
15	QPSK	36	39	19.58	19.42	19.47	19.36		
15	QPSK	75	0	19.74	19.60	19.62	19.60		
15	16QAM	1	0	20.06	19.96	19.87	19.82		
15	16QAM	1	37	19.99	19.76	19.95	19.80	21	0.6
15	16QAM	1	74	20.01	19.79	19.78	19.89		
15	16QAM	36	0	18.56	18.50	18.63	18.57		
15	16QAM	36	20	18.63	18.43	18.46	18.39		
15	16QAM	36	39	18.49	18.56	18.50	18.53	20	1.6
15	16QAM	75	0	18.42	18.46	18.62	18.47		
15	64QAM	1	0	18.63	18.79	18.79	18.84		
15	64QAM	1	37	18.82	18.79	18.61	18.80		
15	64QAM	1	74	18.78	18.77	18.71	18.75	20	1.6
15	64QAM	36	0	17.67	17.52	17.57	17.43		
15	64QAM	36	20	17.63	17.40	17.48	17.41		
15	64QAM	36	39	17.42	17.48	17.59	17.45		
15	64QAM	75	0	17.55	17.46	17.50	17.43	19	2.6
15	256QAM	1	0	15.85	15.79	15.71	15.80		
15	256QAM	1	37	15.76	15.56	15.69	15.54		
15	256QAM	1	74	15.83	15.82	15.67	15.71		
15	256QAM	36	0	15.89	15.38	15.45	15.43	17	4.6
15	256QAM	36	20	15.53	15.31	15.38	15.34		
15	256QAM	36	39	15.49	15.34	15.43	15.39		
15	256QAM	75	0	15.44	15.54	15.54	15.47		
Channel				55200	55815	56195	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	20.43	20.37	20.47	20.24	21.6	0
10	QPSK	1	25	20.39	20.36	20.32	20.33		
10	QPSK	1	49	20.35	20.35	20.41	20.39		
10	QPSK	25	0	19.82	19.62	19.49	19.72		
10	QPSK	25	12	19.56	19.43	19.43	19.55	21	0.6
10	QPSK	25	25	19.46	19.48	19.49	19.45		
10	QPSK	50	0	19.70	19.57	19.67	19.67		
10	16QAM	1	0	20.07	19.92	19.86	19.86		
10	16QAM	1	25	19.94	19.74	19.92	19.78	21	0.6
10	16QAM	1	49	20.04	19.87	19.71	19.82		
10	16QAM	25	0	18.54	18.53	18.60	18.60		
10	16QAM	25	12	18.84	18.44	18.56	18.41		
10	16QAM	25	25	18.48	18.57	18.42	18.43	20	1.6
10	16QAM	50	0	18.44	18.41	18.61	18.46		
10	64QAM	1	0	18.99	18.79	18.75	18.83		
10	64QAM	1	25	18.82	18.81	18.65	18.76		
10	64QAM	1	49	18.81	18.74	18.73	18.72	20	1.6
10	64QAM	25	0	17.66	17.47	17.49	17.41		
10	64QAM	25	12	17.53	17.39	17.39	17.42		
10	64QAM	25	25	17.46	17.47	17.61	17.34		
10	64QAM	50	0	17.55	17.45	17.55	17.44	19	2.6
10	256QAM	1	0	15.85	15.80	15.66	15.83		
10	256QAM	1	25	15.81	15.60	15.58	15.63		
10	256QAM	1	49	15.68	15.80	15.70	15.78		
10	256QAM	25	0	15.58	15.46	15.54	15.42	17	4.6
10	256QAM	25	12	15.51	15.33	15.36	15.27		
10	256QAM	25	25	15.47	15.36	15.41	15.46		
10	256QAM	50	0	15.49	15.48	15.60	15.47		
Channel				55265	55810	56179	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	20.45	20.39	20.53	20.26	21.6	0
5	QPSK	1	12	20.50	20.43	20.30	20.37		
5	QPSK	1	24	20.37	20.36	20.35	20.30		
5	QPSK	12	0	19.81	19.63	19.57	19.71		
5	QPSK	12	7	19.55	19.54	19.44	19.54	21	0.6
5	QPSK	12	13	19.51	19.44	19.42	19.46		
5	QPSK	25	0	19.75	19.61	19.72	19.63		
5	16QAM	1	0	20.07	19.97	19.85	19.90		
5	16QAM	1	12	19.98	19.77	19.67	19.80	21	0.6
5	16QAM	1	24	20.07	19.84	19.75	19.88		
5	16QAM	12	0	18.84	18.42	18.54	18.57		
5	16QAM	12	7	18.61	18.50	18.52	18.47		
5	16QAM	12	13	18.43	18.53	18.35	18.47	20	1.6
5	16QAM	25	0	18.45	18.43	18.53	18.53		
5	64QAM	1	0	18.90	18.82	18.78	18.87		
5	64QAM	1	12	18.91	18.73	18.65	18.78		
5	64QAM	1	24	18.75	18.72	18.72	18.81	20	1.6
5	64QAM	12	0	17.59	17.46	17.56	17.40		
5	64QAM	12	7	17.52	17.43	17.48	17.33		
5	64QAM	12	13	17.48	17.42	17.59	17.37		
5	64QAM	25	0	17.49	17.47	17.46	17.37	19	2.6
5	256QAM	1	0	15.79	15.75	15.74	15.78		
5	256QAM	1	12	15.82	15.59	15.58	15.59		
5	256QAM	1	24	15.68	15.74	15.62	15.76		
5	256QAM	12	0	15.68	15.37	15.46	15.44	17	4.6
5	256QAM	12	7	15.51	15.31	15.39	15.28		
5	256QAM	12	13	15.43	15.33	15.51	15.41		
5	256QAM	25	0	15.43	15.55	15.55	15.51		

Band 38 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				37965	38050	38150	38250	24	0
Channel				37965	38050	38150	38250		
20	QPSK	1	0	22.75	22.75	22.75	22.75	23	1
20	QPSK	1	48	22.81	22.86	22.84	22.84		
20	QPSK	50	0	22.46	22.51	22.50	22.50	23	1
20	QPSK	50	24	21.54	21.71	21.54	21.54		
20	QPSK	50	48	21.71	21.75	21.77	21.77	23	1
20	QPSK	100	0	21.70	21.71	21.64	21.64		
20	16QAM	1	0	21.94	21.96	22.05	22.05	23	1
20	16QAM	1	48	21.94	21.96	22.05	22.05		
20	16QAM	1	96	21.90	22.02	21.87	21.87	23	1
20	16QAM	50	0	20.63	20.76	20.57	20.57		
20	16QAM	50	24	20.57	20.67	20.59	20.59	22	2
20	16QAM	50	50	20.47	20.58	20.50	20.50		
20	16QAM	100	0	20.56	20.67	20.50	20.50	22	2
20	16QAM	100	50	20.51	20.55	20.55	20.55		
20	64QAM	1	48	20.76	20.84	20.83	20.83	22	2
20	64QAM	1	96	20.75	20.89	20.86	20.86		
20	64QAM	50	0	19.54	19.54	19.53	19.53	21	3
20	64QAM	50	24	19.51	19.57	19.51	19.51		
20	64QAM	50	50	19.57	19.57	19.45	19.45	21	3
20	64QAM	100	0	19.58	19.59	19.47	19.47		
20	256QAM	1	0	17.75	17.84	17.89	17.89	19	5
20	256QAM	1	48	17.77	17.86	17.84	17.84		
20	256QAM	1	96	17.79	17.77	17.85	17.85	19	5
20	256QAM	36	0	17.57	17.62	17.62	17.62		
20	256QAM	50	24	17.50	17.57	17.37	17.37	19	5
20	256QAM	50	50	17.57	17.59	17.42	17.42		
20	256QAM	100	0	17.50	17.50	17.50	17.50	19	5
20	256QAM	100	50	17.52	17.52	17.52	17.52		
Channel									
Frequency (MHz)				37925	38000	38175	38250	24	0
Channel				37925	38000	38175	38250		
15	QPSK	1	0	22.72	22.69	22.72	22.72	23	1
15	QPSK	1	37	22.89	22.81	22.43	22.43		
15	QPSK	1	74	22.36	22.86	22.46	22.46	23	1
15	QPSK	36	0	21.61	21.69	21.61	21.61		
15	QPSK	36	20	21.43	21.69	21.45	21.45	23	1
15	QPSK	75	0	21.62	21.77	21.65	21.65		
15	16QAM	1	0	21.94	22.05	21.94	21.94	23	1
15	16QAM	1	37	21.91	21.99	21.92	21.92		
15	16QAM	1	74	21.89	21.98	21.84	21.84	22	2
15	16QAM	36	0	20.58	20.71	20.46	20.46		
15	16QAM	36	20	20.53	20.56	20.50	20.50	22	2
15	16QAM	36	36	20.37	20.52	20.40	20.40		
15	16QAM	75	0	20.57	20.56	20.50	20.50	22	2
15	16QAM	75	0	20.50	20.50	20.50	20.50		
15	64QAM	1	37	20.59	20.84	20.81	20.81	21	3
15	64QAM	1	74	20.51	20.84	20.81	20.81		
15	64QAM	36	0	19.54	19.59	19.53	19.53	21	3
15	64QAM	36	20	19.50	19.54	19.41	19.41		
15	64QAM	75	0	19.54	19.57	19.44	19.44	19	5
15	256QAM	1	0	17.69	17.62	17.83	17.83		
15	256QAM	1	37	17.72	17.66	17.72	17.72	19	5
15	256QAM	1	74	17.72	17.76	17.77	17.77		
15	256QAM	36	0	17.55	17.51	17.52	17.52	19	5
15	256QAM	36	20	17.51	17.54	17.50	17.50		
15	256QAM	36	36	17.49	17.52	17.35	17.35	19	5
15	256QAM	75	0	17.50	17.52	17.50	17.50		
Channel									
Frequency (MHz)				37900	38000	38100	38200	24	0
Channel				37900	38000	38100	38200		
5	QPSK	1	0	22.54	22.73	22.82	22.82	23	1
5	QPSK	1	24	22.34	22.89	22.93	22.93		
5	QPSK	12	0	21.88	21.88	21.71	21.71	23	1
5	QPSK	12	7	21.52	21.86	21.43	21.43		
5	QPSK	12	13	21.56	21.61	21.55	21.55	23	1
5	QPSK	26	0	21.87	21.97	21.69	21.69		
5	HQAM	1	0	21.82	21.87	22.01	22.01	23	1
5	HQAM	1	12	21.86	21.86	21.83	21.83		
5	HQAM	1	24	21.85	22.01	21.82	21.82	22	2
5	HQAM	12	0	20.60	20.76	20.54	20.54		
5	HQAM	12	7	20.46	20.67	20.50	20.50	22	2
5	HQAM	12	13	20.45	20.48	20.47	20.47		
5	HQAM	26	0	20.85	20.58	20.46	20.46	22	2
5	HQAM	26	0	20.76	20.85	20.79	20.79		
5	HQAM	12	0	20.69	20.82	20.86	20.86	21	3
5	HQAM	12	13	19.49	19.54	19.45	19.45		
5	HQAM	26	0	19.57	19.67	19.47	19.47	19	5
5	256QAM	1	0	17.87	17.74	17.81	17.81		
5	256QAM	1	12	17.76	17.77	17.89	17.89	19	5
5	256QAM	1	24	17.73	17.76	17.81	17.81		
5	256QAM	12	0	17.36	17.58	17.47	17.47	19	5
5	256QAM	12	7	17.48	17.56	17.35	17.35		
5	256QAM	12	13	17.51	17.53	17.37	17.37	19	5
5	256QAM	26	0	17.52	17.55	17.51	17.51		

Band 41 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				39795	40185	40620	41055	24 <th data-kind="parent" data-rs="2">0</th>	0
Channel				39795	40185	40620	41055		
20	QPSK	1	0	23.24	23.29	23.21	23.24	23	1
20	QPSK	1	48	23.18	23.14	23.05	23.13		
20	QPSK	50	0	23.17	23.03	22.97	23.04	23	1
20	QPSK	50	48	22.35	22.32	22.17	22.23		
20	QPSK	50	24	22.36	22.09	22.61	22.14	23	1
20	QPSK	50	50	22.13	22.03	22.02	22.02		
20	QPSK	100	0	22.34	22.21	22.15	22.23	23	1
20	QPSK	100	50	22.81	22.50	22.40	22.48		
20	16QAM	1	0	22.54	22.49	22.39	22.45	22	2
20	16QAM	1	96	22.63	22.46	22.35	22.48		
20	16QAM	50	0	21.25	21.13	21.10	21.01	22	2
20	16QAM	50	50	21.14	21.06	20.89	20.87		
20	16QAM	100	0	21.22	21.15	21.09	21.09	22	2
20	16QAM	100	50	21.25	21.42	21.37	21.35		
20	64QAM	1	48	21.47	21.40	21.30	21.40	21	3
20	64QAM	1	96	21.32	21.43	21.31	21.33		
20	64QAM	50	0	20.23	20.08	20.09	20.08	21	3
20	64QAM	50	24	20.12	20.04	19.95	19.99		
20	64QAM	50	50	20.13	20.03	20.03	19.97	21	3
20	64QAM	100	0	20.14	20.02	19.97	19.99		
20	256QAM	1	0	18.42	18.40	18.21	18.21	19	5
20	256QAM	1	48	18.33	18.30	18.21	18.27		
20	256QAM	1	96	18.31	18.37	18.28	18.23	19	5
20	256QAM	36	0	18.30	18.39	18.32	18.38		
20	256QAM	50	24	18.14	17.91	18.01	17.98	19	5
20	256QAM	50	50	18.10	17.89	17.97	18.04		
20	256QAM	100	0	18.14	18.11	18.06	18.06	19	5
20	256QAM	100	50	18.12	18.15	18.06	18.06		
Channel									
Frequency (MHz)				39725	40173	40620	41058	24 <th data-kind="parent" data-rs="2">0</th>	0
Channel				39725	40173	40620	41058		
15	QPSK	1	0	23.20	23.13	23.13			

Reduced Power Mode for EC17

GSM850 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel								
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.02	31.98	31.84	33.50	23.02	22.98	22.94	24.50
GPRS 1 Tx slot	32.01	32.02	31.91	33.50	23.01	23.02	22.91	24.50
GPRS 2 Tx slots	31.22	31.23	31.16	32.50	25.22	25.23	25.16	26.50
GPRS 3 Tx slots	29.41	29.42	29.33	30.50	25.15	25.16	25.07	26.24
GPRS 4 Tx slots	28.20	28.25	28.13	29.50	25.20	25.25	25.13	26.50
EDGE 1 Tx slot	26.38	26.43	26.45	27.50	17.38	17.43	17.45	18.50
EDGE 2 Tx slots	25.14	25.23	25.37	26.50	19.14	19.23	19.37	20.50
EDGE 3 Tx slots	22.91	22.98	23.07	24.00	18.85	18.72	18.81	19.74
EDGE 4 Tx slots	21.58	21.66	21.69	22.50	18.56	18.66	18.69	19.50

GSM1900 Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel								
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	28.85	28.84	29.01	30.30	19.85	19.84	20.01	21.30
GPRS 1 Tx slot	28.85	28.86	28.99	30.30	19.85	19.86	19.99	21.30
GPRS 2 Tx slots	26.27	26.31	26.44	27.30	20.27	20.31	20.44	21.30
GPRS 3 Tx slots	24.61	24.51	24.67	25.50	20.35	20.25	20.41	21.24
GPRS 4 Tx slots	23.57	23.64	23.63	24.30	20.57	20.64	20.63	21.30
EDGE 1 Tx slot	23.72	23.54	23.80	24.30	14.72	14.54	14.80	15.30
EDGE 2 Tx slots	22.54	22.33	22.60	23.30	16.54	16.33	16.60	17.30
EDGE 3 Tx slots	20.34	20.12	20.51	20.80	16.08	15.86	16.25	16.54
EDGE 4 Tx slots	19.15	18.91	19.10	19.80	16.15	15.91	16.10	16.80

Band	WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA IV Ant 0			Tune-up Limit (dBm)	WCDMA V Ant 0			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Frequency (MHz)	Rx Channel	9662	9800	9938	1537	1638	1738	4357	4407	4458			
		1852.4	1860	1907.6		1712.4	1720.6	1752.6		2062.4	2069.4	2106.6	
3GPP Rel 99	AMR 12.2Kbps	18.71	18.87	18.88	20.20	18.60	18.83	18.82	20.20	23.09	23.38	23.36	24.00
3GPP Rel 99	RMC 12.2Kbps	18.73	19.07	19.00	20.20	18.68	18.98	18.92	20.20	23.22	23.53	23.45	24.00
3GPP Rel 6	HSDPA Subtest-1	17.86	17.94	18.01	19.20	17.75	17.87	17.84	19.20	22.29	22.44	22.39	23.00
3GPP Rel 6	HSDPA Subtest-2	17.91	18.03	17.95	19.20	17.81	17.97	17.86	19.20	22.29	22.43	22.44	23.00
3GPP Rel 6	HSDPA Subtest-3	17.36	17.54	17.35	18.70	17.52	17.55	17.21	18.70	21.90	21.95	21.87	22.50
3GPP Rel 6	HSDPA Subtest-4	17.31	17.52	17.42	18.70	17.28	17.42	17.30	18.70	21.84	21.91	21.89	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.89	17.88	17.93	19.20	17.80	17.85	17.82	19.20	22.36	22.33	22.31	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.78	17.83	17.80	19.20	17.78	17.74	17.73	19.20	22.26	22.32	22.30	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.35	17.49	17.33	18.70	17.38	17.34	17.17	18.70	21.83	21.89	21.78	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.22	17.43	17.23	18.70	17.22	17.42	17.22	18.70	21.76	21.84	21.77	22.50
3GPP Rel 6	HSUPA Subtest-1	17.72	17.98	17.87	19.20	17.59	17.82	17.85	19.20	22.25	22.40	22.34	23.00
3GPP Rel 6	HSUPA Subtest-2	15.88	15.95	15.87	17.20	15.85	15.92	15.84	17.20	20.35	20.48	20.36	21.00
3GPP Rel 6	HSUPA Subtest-3	16.88	17.15	16.97	18.20	16.90	17.01	16.71	18.20	21.35	21.58	21.37	22.00
3GPP Rel 6	HSUPA Subtest-4	15.70	15.93	15.83	17.20	15.67	15.90	15.78	17.20	20.16	20.41	20.30	21.00
3GPP Rel 6	HSUPA Subtest-5	17.71	17.83	17.92	19.20	17.66	17.86	17.89	19.20	22.16	22.32	22.43	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.39	15.44	15.60	16.70	15.33	15.35	15.46	16.70	19.98	19.93	20.04	20.50



Band 26 for FCC Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Turn-up Init. (dB)	APR3 (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	0	22.55	22.64	22.61			24	0
15	QPSK	1	37	22.45	22.54	22.48				
15	QPSK	1	74	22.40	22.43	22.32				
15	QPSK	36	0	21.63	21.73	21.54				
15	QPSK	36	26	21.46	21.56	21.47			23	1
15	QPSK	36	39	21.34	21.43	21.47				
15	QPSK	75	0	21.58	21.62	21.60				
15	16QAM	1	0	21.82	21.84	21.86				
15	16QAM	1	37	21.74	21.88	21.81			23	1
15	16QAM	1	74	21.79	21.84	21.69				
15	16QAM	36	0	20.41	20.52	20.32				
15	16QAM	36	20	20.44	20.53	20.47				
15	16QAM	36	39	20.39	20.49	20.36			22	2
15	16QAM	75	0	20.37	20.51	20.49				
15	16QAM	1	0	20.77	20.84	20.77				
15	64QAM	1	37	20.70	20.76	20.62			22	2
15	64QAM	1	74	20.68	20.71	20.65				
15	64QAM	36	20	19.35	19.46	19.42				
15	64QAM	36	39	19.31	19.36	19.40				
15	256QAM	1	0	17.71	17.74	17.70			21	3
15	256QAM	1	37	17.67	17.67	17.63				
15	256QAM	1	74	17.63	17.68	17.58				
15	256QAM	36	0	17.43	17.56	17.47				
15	256QAM	36	20	17.33	17.41	17.34			19	5
15	256QAM	36	39	17.38	17.48	17.39				
15	256QAM	75	0	17.36	17.48	17.39				
15	256QAM	75	0	17.36	17.48	17.42				
Channel				2667	2665	2667			Turn-up Init. (dB)	APR3 (dB)
Frequency (MHz)										
15	QPSK	1	0	22.55	22.42	22.49			24	0
15	QPSK	1	26	22.48	22.40	22.33				
15	QPSK	1	49	22.32	22.33	22.24				
15	QPSK	26	0	21.62	21.49	21.47				
15	QPSK	26	12	21.45	21.41	21.33			23	1
15	QPSK	26	25	21.32	21.22	21.33				
15	QPSK	50	0	21.65	21.69	21.66				
15	16QAM	1	0	21.82	21.87	21.79				
15	16QAM	1	26	21.83	21.84	21.75			23	1
15	16QAM	1	49	21.79	21.74	21.68				
15	16QAM	26	0	20.40	20.34	20.46				
15	16QAM	26	12	20.46	20.34	20.37			22	2
15	16QAM	26	25	20.35	20.29	20.38				
15	16QAM	50	0	20.35	20.29	20.34				
15	64QAM	1	0	20.68	20.63	20.68			22	2
15	64QAM	1	26	20.65	20.62	20.61				
15	64QAM	1	49	20.58	20.57	20.53				
15	64QAM	26	0	19.42	19.30	19.37				
15	64QAM	26	12	19.34	19.29	19.28			21	3
15	64QAM	26	25	19.20	19.23	19.31				
15	64QAM	50	0	19.35	19.31	19.28				
15	256QAM	1	0	17.63	17.60	17.63				
15	256QAM	1	26	17.59	17.44	17.56			19	5
15	256QAM	1	49	17.58	17.46	17.49				
15	256QAM	26	0	17.45	17.34	17.45				
15	256QAM	26	12	17.29	17.28	17.28				
15	256QAM	26	25	17.34	17.21	17.34			19	5
15	256QAM	50	0	17.36	17.24	17.32				
Channel				2675	2665	2675			Turn-up Init. (dB)	APR3 (dB)
Frequency (MHz)										
5	QPSK	1	0	22.48	22.43	22.47			24	0
5	QPSK	1	12	22.43	22.29	22.40				
5	QPSK	1	24	22.34	22.25	22.21				
5	QPSK	12	0	21.68	21.57	21.47				
5	QPSK	12	7	21.51	21.42	21.29			23	1
5	QPSK	12	13	21.33	21.20	21.37				
5	QPSK	36	0	21.66	21.66	21.66				
5	16QAM	1	0	21.85	21.68	21.71				
5	16QAM	1	12	21.80	21.68	21.72			23	1
5	16QAM	1	24	21.80	21.75	21.68				
5	16QAM	12	0	20.47	20.32	20.47				
5	16QAM	12	7	20.47	20.39	20.34			22	2
5	16QAM	12	13	20.35	20.38	20.27				
5	16QAM	25	0	20.40	20.29	20.39				
5	64QAM	1	0	20.69	20.63	20.71			22	2
5	64QAM	1	12	20.61	20.65	20.68				
5	64QAM	1	24	20.64	20.62	20.63				
5	64QAM	12	0	19.42	19.29	19.27				
5	64QAM	12	7	19.37	19.22	19.25			21	3
5	64QAM	12	13	19.23	19.23	19.31				
5	64QAM	25	0	19.42	19.25	19.31				
5	256QAM	1	0	17.67	17.68	17.67				
5	256QAM	1	12	17.58	17.47	17.52			19	5
5	256QAM	1	24	17.58	17.54	17.53				
5	256QAM	12	0	17.48	17.34	17.34				
5	256QAM	12	7	17.30	17.29	17.32				
5	256QAM	12	13	17.41	17.27	17.35			19	5
5	256QAM	25	0	17.37	17.27	17.28				
Channel				2675	2665	2675			Turn-up Init. (dB)	APR3 (dB)
Frequency (MHz)										
3	QPSK	1	0	22.53	22.45	22.47			24	0
3	QPSK	1	8	22.47	22.34	22.33				
3	QPSK	1	14	22.34	22.30	22.22				
3	QPSK	8	0	21.63	21.61	21.61				
3	QPSK	8	4	21.43	21.36	21.28			23	1
3	QPSK	8	7	21.29	21.18	21.32				
3	QPSK	16	0	21.15	21.43	21.46				
3	16QAM	1	0	21.80	21.72	21.75				
3	16QAM	1	8	21.74	21.63	21.75			23	1
3	16QAM	1	14	21.65	21.75	21.67				
3	16QAM	8	0	20.46	20.35	20.36				
3	16QAM	8	4	20.44	20.39	20.35			22	2
3	16QAM	8	7	20.35	20.29	20.25				
3	16QAM	16	0	20.36	20.32	20.33				
3	64QAM	1	0	20.75	20.70	20.73			22	2
3	64QAM	1	8	20.67	20.62	20.53				
3	64QAM	1	14	20.58	20.58	20.54				
3	64QAM	8	0	19.45	19.31	19.29				
3	64QAM	8	4	19.36	19.23	19.20			21	3
3	64QAM	8	7	19.25	19.18	19.31				
3	64QAM	16	0	19.40	19.25	19.36				
3	256QAM	1	0	17.61	17.56	17.56				
3	256QAM	1	8	17.60	17.42	17.63			19	5
3	256QAM	1	14	17.58	17.48	17.53				
3	256QAM	8	0	17.46	17.33	17.26				
3	256QAM	8	4	17.25	17.28	17.23				
3	256QAM	8	7	17.39	17.31	17.33			19	5
3	256QAM	16	0	17.40	17.34	17.36				
Channel				2667	2665	2667			Turn-up Init. (dB)	APR3 (dB)
Frequency (MHz)										
1.4	QPSK	1	0	22.52	22.45	22.45			24	0
1.4	QPSK	1	3	22.47	22.31	22.35				
1.4	QPSK	1	5	22.29	22.31	22.16				
1.4	QPSK	3	0	22.47	22.37	22.41				
1.4	QPSK	3	1	22.35	22.19	22.27			23	1
1.4	QPSK	3	3	22.20	22.19	22.05				
1.4	QPSK	6	0	21.57	21.43	21.39				
1.4	16QAM	1	0	21.87	21.72	21.72				
1.4	16QAM	1	3	21.79	21.61	21.66			23	1
1.4	16QAM	1	5	21.79						

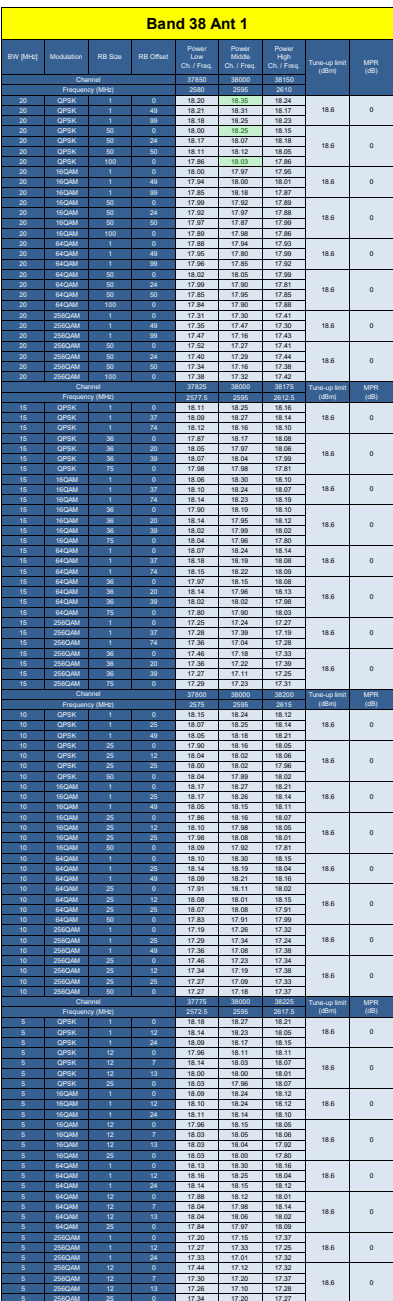
Band 38 Ant 0									
RF Mod	Modulation	RB Size	RB Offset	Power (dBm) Ch / Freq	Power (dBm) MBSN / Freq	Power (dBm) PSS / Freq	Time-up test (dBm)	MPE (dB)	
Channel				37850	39000	38150			
Frequency (MHz)				20	20	20			
20	QPSK	1	0	18.15	18.15	18.15			
20	QPSK	1	49	18.80	18.83	18.87	20.1	0	
20	QPSK	1	99	18.83	18.87	18.98			
20	QPSK	50	0	18.15	18.15	18.15			
20	QPSK	50	24	18.55	18.51	18.60	20.1	0	
20	QPSK	50	49	18.60	18.59	18.64			
20	QPSK	100	0	18.35	18.47	18.33			
20	16QAM	1	0	18.46	18.53	18.43			
20	16QAM	1	49	18.48	18.53	18.48	20.1	0	
20	16QAM	1	99	18.29	18.32	18.31			
20	16QAM	50	0	18.45	18.23	18.34			
20	16QAM	50	24	18.45	18.23	18.28			
20	16QAM	50	50	18.38	18.37	18.38	20.1	0	
20	16QAM	100	0	18.23	18.20	18.26			
20	16QAM	100	24	18.23	18.20	18.23			
20	64QAM	1	40	18.40	18.19	18.42	20.1	0	
20	64QAM	1	0	18.40	18.40	18.39			
20	64QAM	50	0	18.21	18.19	18.32			
20	64QAM	50	24	18.40	18.31	18.25			
20	64QAM	50	50	18.25	18.23	18.29	20.1	0	
20	64QAM	100	0	18.26	18.18	18.36			
20	256QAM	1	0	17.55	17.60	17.53			
20	256QAM	1	49	17.57	17.59	17.60	19	1.1	
20	256QAM	1	99	17.51	17.57	17.56			
20	256QAM	50	0	17.27	17.27	17.27			
20	256QAM	50	24	17.25	17.26	17.24	19	1.1	
20	256QAM	50	50	17.34	17.38	17.31			
Channel				37850	39000	38175	Time-up test (dBm)	MPE (dB)	
Frequency (MHz)				20	20	20			
15	QPSK	1	0	18.15	18.15	18.15			
15	QPSK	1	37	18.50	18.49	18.46			
15	QPSK	1	74	18.49	18.60	18.57			
15	QPSK	36	0	18.49	18.49	18.49	20.1	0	
15	QPSK	36	20	18.42	18.40	18.53			
15	QPSK	36	56	18.42	18.42	18.43			
15	QPSK	75	0	18.29	18.33	18.19			
15	16QAM	1	0	18.34	18.44	18.30			
15	16QAM	1	37	18.32	18.33	18.39			
15	16QAM	1	74	18.20	18.42	18.22			
15	16QAM	36	0	18.39	18.16	18.22	20.1	0	
15	16QAM	36	20	18.32	18.32	18.32			
15	16QAM	36	56	18.24	18.27	18.28			
15	16QAM	75	0	18.13	18.15	18.24			
15	16QAM	1	0	18.29	18.34	18.14			
15	64QAM	1	37	18.31	18.31	18.37	20.1	0	
15	64QAM	1	74	18.31	18.31	18.31			
15	64QAM	36	0	18.12	18.15	18.20			
15	64QAM	36	20	18.38	18.27	18.18	20.1	0	
15	64QAM	36	56	18.32	18.32	18.17			
15	64QAM	75	0	18.15	18.14	18.21			
15	256QAM	1	0	17.50	17.50	17.50			
15	256QAM	1	49	17.50	17.50	17.50	19	1.1	
15	256QAM	1	99	17.47	17.47	17.48			
15	256QAM	50	0	17.26	17.26	17.26			
15	256QAM	50	24	17.25	17.25	17.25	19	1.1	
15	256QAM	50	50	17.28	17.31	17.28			
Channel				37850	39000	38200	Time-up test (dBm)	MPE (dB)	
Frequency (MHz)				20	20	20			
10	QPSK	1	0	18.15	18.15	18.15			
10	QPSK	1	25	18.52	18.49	18.50	20.1	0	
10	QPSK	1	49	18.51	18.60	18.57			
10	QPSK	25	0	18.51	18.51	18.51	20.1	0	
10	QPSK	25	12	18.41	18.39	18.50			
10	QPSK	25	37	18.41	18.41	18.41			
10	QPSK	50	0	18.20	18.33	18.20			
10	16QAM	1	0	18.38	18.39	18.32			
10	16QAM	1	24	18.34	18.34	18.38	20.1	0	
10	16QAM	1	49	18.15	18.48	18.24			
10	16QAM	25	0	18.29	18.15	18.21			
10	16QAM	25	12	18.23	18.18	18.21	20.1	0	
10	16QAM	25	37	18.28	18.23	18.23			
10	16QAM	50	0	18.13	18.11	18.26			
10	16QAM	1	0	18.19	18.25	18.14			
10	64QAM	1	25	18.34	18.10	18.31	20.1	0	
10	64QAM	1	49	18.34	18.34	18.34			
10	64QAM	25	0	18.17	18.14	18.18			
10	64QAM	25	12	18.28	18.18	18.18	20.1	0	
10	64QAM	25	37	18.28	18.18	18.18			
10	64QAM	50	0	18.16	18.17	18.22			
10	256QAM	1	0	17.51	17.46	17.47			
10	256QAM	1	49	17.45	17.45	17.45	19	1.1	
10	256QAM	1	99	17.47	17.47	17.48			
10	256QAM	25	0	17.22	17.22	17.22			
10	256QAM	25	12	17.17	17.16	17.20	19	1.1	
10	256QAM	25	37	17.22	17.19	17.20			
10	256QAM	50	0	17.25	17.22	17.24			
Channel				37750	39000	38225	Time-up test (dBm)	MPE (dB)	
Frequency (MHz)				20	20	20			
5	QPSK	1	0	18.15	18.15	18.15			
5	QPSK	1	12	18.53	18.50	18.52	20.1	0	
5	QPSK	1	25	18.52	18.60	18.57			
5	QPSK	12	0	18.53	18.53	18.47			
5	QPSK	12	7	18.44	18.46	18.47	20.1	0	
5	QPSK	12	19	18.54	18.45	18.41			
5	QPSK	25	0	18.45	18.45	18.38			
5	16QAM	1	0	18.36	18.49	18.33			
5	16QAM	1	12	18.32	18.32	18.32	20.1	0	
5	16QAM	1	24	18.19	18.43	18.15			
5	16QAM	12	0	18.31	18.31	18.24			
5	16QAM	12	12	18.17	18.19	18.19	20.1	0	
5	16QAM	12	19	18.27	18.31	18.26			
5	16QAM	25	0	18.12	18.16	18.21			
5	16QAM	25	12	18.19	18.18	18.18			
5	64QAM	1	12	18.31	18.11	18.31	20.1	0	
5	64QAM	1	24	18.31	18.31	18.31			
5	64QAM	12	0	18.11	18.14	18.27			
5	64QAM	12	7	18.24	18.18	18.18	20.1	0	
5	64QAM	12	19	18.17	18.19	18.19			
5	64QAM	25	0	18.14	18.19	18.14			
5	256QAM	1	0	17.45	17.45	17.45			
5	256QAM	1	49	17.45	17.45	17.45	19	1.1	
5	256QAM	12	0	17.25	17.25	17.25			
5	256QAM	12	12	17.19	17.19	17.19	19	1.1	
5	256QAM	12	19	17.24	17.23	17.24			
5	256QAM	25	0	17.21	17.17	17.69			

Band 41 Ant 0											
BW (MHz)	Modulation	RIS Size	RIS Offset	Power Low Ch. (Fem)	Power Low Side Ch. (Fem)	Power Main Ch. (Fem)	Power High Side Ch. (Fem)	Power High Ch. (Fem)	Turnup time (dBm)	MFR (dB)	
Channel											
Frequency (MHz)											
0	QPSK	0	0	18.47	18.64	18.72	18.72	18.60			
0	QPSK	1	49	18.50	18.71	18.90	18.69	18.59		0	
0	QPSK	9	99	18.50	18.67	18.64	18.69	18.45			
0	QPSK	50	5	18.36	18.46	18.46	18.46	18.53			
0	QPSK	50	24	18.54	18.67	18.53	18.51	18.51			
0	QPSK	50	49	18.50	18.50	18.50	18.50	18.50			
0	QPSK	100	5	18.15	18.31	18.26	18.25	18.30			
0	16QAM	1	0	18.29	18.47	18.48	18.42	18.28			
0	16QAM	1	49	18.43	18.45	18.43	18.33	18.53	20.1	0	
0	16QAM	1	99	18.10	18.25	18.35	18.60	18.28			
0	16QAM	50	0	18.30	18.43	18.42	18.24	18.31			
0	16QAM	50	24	18.22	18.38	18.38	18.20	18.38			
0	16QAM	50	49	18.52	18.38	18.30	18.42	18.28		0	
0	256QAM	100	0	18.41	18.20	18.28	18.16	18.15			
0	256QAM	50	5	18.29	18.41	18.41	18.47	18.31			
0	64QAM	1	49	18.35	18.43	18.44	18.24	18.26			
0	64QAM	1	99	18.37	18.42	18.41	18.21	18.19			
0	64QAM	50	5	18.43	18.24	18.30	18.17	18.13			
0	64QAM	50	24	18.33	18.40	18.29	18.37	18.16		20.1	
0	64QAM	50	49	18.25	18.38	18.30	18.21	18.28			
0	64QAM	100	5	18.21	18.29	18.31	18.18	18.26			
0	256QAM	1	0	18.11	18.12	18.10	18.13	18.20			
0	256QAM	1	49	18.11	18.06	18.09	18.11	18.08		19.1	
0	256QAM	1	99	18.05	18.15	18.16	18.08	18.07			
0	256QAM	50	5	17.91	17.86	17.87	17.82	17.91			
0	256QAM	50	24	17.82	17.79	17.79	17.83	17.71		19.1	
0	256QAM	50	49	17.87	17.77	17.80	17.62	17.69			
0	256QAM	100	5	17.86	17.84	17.81	17.61	17.63			
Channel											
Frequency (MHz)											
0	QPSK	0	0	19.70	19.73	19.73	19.73	19.73	Turnup time (dBm)	MFR (dB)	
0	QPSK	1	37	19.55	19.61	19.43	19.58	19.43			
0	QPSK	1	74	19.40	19.52	19.50	19.60	19.36			
0	QPSK	38	5	19.31	19.46	19.46	19.31	19.46			
0	QPSK	38	20	19.45	19.51	19.38	19.39	19.44			
0	QPSK	38	35	19.40	19.46	19.46	19.46	19.46			
0	QPSK	75	0	19.40	19.19	19.22	19.47	19.18			
0	16QAM	1	0	19.25	19.41	19.35	19.38	19.17			
0	16QAM	1	49	19.34	19.38	19.37	19.35	19.27	20.1	0	
0	16QAM	1	74	19.40	19.12	19.27	19.47	19.13			
0	16QAM	38	0	19.22	19.32	19.28	19.16	19.16			
0	16QAM	38	20	19.38	19.43	19.38	19.11	19.38		20.1	
0	16QAM	38	35	19.21	19.33	19.30	19.39	19.23			
0	16QAM	75	0	19.39	19.14	19.22	19.42	19.14			
0	16QAM	75	0	19.29	19.32	19.34	19.				
0	64QAM	1	74	19.29	19.29	19.33	19.30	19.20	20.1	0	
0	64QAM	1	99	19.31	19.36	19.35	19.33	19.25			
0	64QAM	38	5	19.36	19.11	19.17	19.47	19.40			
0	64QAM	38	20	19.16	19.29	19.15	19.31	19.41			
0	64QAM	38	35	19.37	19.47	19.47	19.47	19.35			
0	64QAM	75	0	19.43	19.17	19.22	19.42	19.21			
0	256QAM	1	0	19.02	17.90	18.03	17.99	18.01			
0	256QAM	1	49	18.99	17.97	18.09	17.98	17.94			
0	256QAM	1	74	17.96	18.06	18.04	18.09	18.01			
0	256QAM	50	5	17.86	17.77	17.79	17.86	17.74			
0	256QAM	50	24	17.86	17.82	17.79	17.83	17.76		19.1	
0	256QAM	50	49	17.79	17.73	17.77	17.68	17.68			
0	256QAM	100	5	17.84	17.74	17.78	17.68	17.68			
Channel											
Frequency (MHz)											
0	QPSK	0	0	19.70	19.73	19.73	19.73	19.73	Turnup time (dBm)	MFR (dB)	
0	QPSK	1	37	19.55	19.61	19.43	19.58	19.43			
0	QPSK	1	74	19.40	19.52	19.50	19.60	19.37			
0	QPSK	38	5	19.31	19.46	19.46	19.31	19.46			
0	QPSK	38	20	19.45	19.51	19.38	19.39	19.44			
0	QPSK	38	35	19.40	19.46	19.46	19.46	19.46			
0	QPSK	75	0	19.40	19.23	19.13	19.48	19.24			
0	16QAM	1	0	19.20	19.31	19.35	19.27	19.23			
0	16QAM	1	49	19.34	19.34	19.34	19.34	19.28			
0	16QAM	1	74	19.40	19.14	19.28	19.47	19.19			
0	16QAM	38	0	19.17	19.24	19.37	19.38	19.25			
0	16QAM	38	20	19.40	19.48	19.12	19.37	19.37			
0	16QAM	38	35	19.19	19.26	19.16	19.28	19.23			
0	16QAM	75	0	19.43	19.36	19.15	19.41	19.43			
0	16QAM	75	0	19.19	19.27	19.39	19.39	19.39			
0	64QAM	1	25	19.44	19.39	19.28	19.11	19.15	20.1	0	
0	64QAM	1	49	19.23	19.38	19.37	19.37	19.37			
0	64QAM	25	5	19.48	19.17	19.22	19.10	19.40			
0	64QAM	25	12	19.20	19.31	19.17	19.24	19.48			
0	64QAM	25	19	19.40	19.12	19.22	19.33	19.13			
0	64QAM	50	5	19.10	19.15	19.24	19.30	19.16			
0	256QAM	1	0	17.96	17.86	18.02	18.01	18.12			
0	256QAM	1	49	18.01	17.94	18.13	18.09	18.08		19.1	
0	256QAM	1	99	17.96	17.74	17.77	17.79	17.78			
0	256QAM	50	5	17.72	17.86	17.86	17.72	17.68		19.1	
0	256QAM	50	24	17.79	17.64	17.74	17.66	17.67			
0	256QAM	50	49	17.68	17.71	17.72	17.62	17.63			
Channel											
Frequency (MHz)											
0	QPSK	0	0	20.68	20.64	20.63	20.60	20.67	Turnup time (dBm)	MFR (dB)	
0	QPSK	1	12	20.43	20.58	20.43	20.51	20.48		20	0
0	QPSK	1	24	20.46	20.63	20.60	20.65	20.31			
0	QPSK	12	5	20.30	20.42	20.42	20.42	20.42			
0	QPSK	12	7	20.43	20.48	20.46	20.46	20.39			
0	QPSK	12	13	20.41	20.37	20.50	20.40	20.34			
0	QPSK	12	19	20.10	20.30	20.34	20.42	20.30			
0	16QAM	1	0	20.20	20.42	20.34	20.30	20.20			
0	16QAM	1	12	20.32	20.37	20.37	20.37	20.17			
0	16QAM	1	24	20.41	20.45	20.22	20.54	20.22			
0	16QAM	12	0	20.23	20.37	20.35	20.19	20.22			
0	16QAM	12	12	20.40	20.30	20.38	20.12	20.42			
0	16QAM	12	13	20.28	20.23	20.20	20.30	20.12	20.1	0	
0	16QAM	25	0	20.47	20.40	20.17	20.42	20.38			
0	16QAM	25	5	20.23	20.39	20.38	20.20	20.30			
0	64QAM	1	12	20.25	20.37	20.33	20.17	20.21	20.1		
0	64QAM	1	19	20.43	20.38	20.37	20.13	20.13			
0	64QAM	12	24	20.43	20.13	20.20	20.44	20.40			
0	64QAM	12	7	20.17	20.29	20.16	20.33	20.46			
0	64QAM	25	12	20.40	20.13	20.20	20.24	20.24		20.1	0
0	64QAM	25	5	20.10	20.25	20.17	20.30	20.20			
0	256QAM	1	0	19.04	18.03	18.01	18.02	18.15			
0	256QAM	1	49	18.01	18.03	18.03	18.02	17.98			
0	256QAM	1	99	17.94	18.07	18.03	18.00	18.10		19.1	
0	256QAM	50	5	17.86	17.78	17.79	17.79	17.78			
0	256QAM	50	12	17.72	17.81	17.79	17.79	17.68			
0	256QAM	50	19	17.76	17.72	17.72	17.70	17.67		19.1	

Band 41 HPUE Ant 0											
BRF (MHz)	Multiplex	RB Size	RB Offset	Power Level Ch 1/Freq.	Power Level Ch 2/Freq.	Power Level Ch 3/Freq.	Power Level Ch 4/Freq.	Power Level Ch 5/Freq.	Power Level Ch 6/Freq.	Turn-up time (min)	MFR (dB)
Channel											
Frequency (MHz)											
0	0	0	0	99750	40165	40630	41085	41660			
0	0	0	0	20.13	20.24	20.17	20.02	20.15			
0	0	1	49	20.25	20.15	20.21	20.28	20.13		21.7	0
0	0	0	0	20.31	20.23	20.12	20.34	20.17			
0	0	50	0	20.07	20.33	20.28	20.10	20.04			
0	0	50	24	20.22	20.24	20.10	20.14	20.12		21.7	0
0	0	0	0	20.25	20.24	20.16	20.14	20.03			
0	0	0	0	20.01	19.96	19.96	20.14	20.04			
0	0	100	0	20.05	20.05	19.99	20.10	20.06			
0	0	100	0	20.05	20.05	19.99	20.10	20.06		21.7	0
0	0	100	1	19.99	19.94	20.10	20.22	20.08			
0	0	100	50	20.07	20.04	20.01	20.11	19.91			
0	0	100	24	20.04	20.24	20.10	20.11	20.01		21.7	0
0	0	50	50	20.06	20.03	20.12	19.98	20.08			
0	0	100	0	20.07	19.99	20.01	20.04	20.02			
0	0	100	0	20.10	20.08	20.01	20.06	20.05			
0	0	100	1	20.04	19.99	20.01	20.04	19.95		21.7	0
0	0	50	1	20.11	20.16	20.07	19.91	19.93			
0	0	50	0	20.07	19.96	20.02	20.05	20.08			
0	0	50	0	20.03	19.96	20.11	20.03	20.04		21.7	0
0	0	50	50	19.93	19.93	20.06	19.95	19.95			
0	0	100	0	19.91	19.99	20.11	20.02	20.10			
0	0	250	1	19.92	19.97	19.80	19.92	19.96			
0	0	250	1	19.47	19.45	19.96	19.95	19.95		21	0.7
0	0	250	50	19.49	19.52	19.96	19.92	19.97			
0	0	250	0	19.40	19.52	19.96	19.90	19.41			
0	0	250	100	19.22	19.07	19.93	19.93	19.93			
0	0	250	1	19.22	19.07	19.93	19.93	19.93		21	0.7
0	0	250	50	19.22	19.03	19.27	19.39	19.24			
0	0	250	100	19.27	19.13	19.27	19.39	19.24			
Channel											
Frequency (MHz)											
15	0	0	0	99750	40173	40630	41085	41660			
15	0	0	0	20.13	20.26	20.11	20.14	20.03			
15	0	0	1	20.18	20.06	20.06	20.18	20.03		22	0
15	0	0	1	20.26	20.17	20.09	20.20	20.04			
15	0	0	50	19.92	20.20	20.15	20.01	20.01			
15	0	0	50	20.11	20.18	20.03	20.05	20.02		21.7	0
15	0	0	0	20.26	20.07	20.07	20.07	19.93			
15	0	0	75	0.1995	20.30	20.32	20.07	20.05			
15	0	0	1	20.00	20.17	20.15	19.95	20.02			
15	0	0	100	20.03	20.28	20.04	20.04	20.28		21.7	0
15	0	0	100	19.90	20.24	20.26	20.13	20.14			
15	0	0	100	20.0	20.0	20.0	20.0	20.0			
15	0	0	100	20.02	20.04	20.04	19.96	20.27			
15	0	0	100	20.00	20.18	20.20	20.08	20.11		21.7	0
15	0	0	50	19.91	20.05	20.08	20.33	20.03			
15	0	0	100	0	19.90	19.91	19.90	20.22			
15	0	0	100	20.20	20.37	20.39	20.28	20.28			
15	0	0	100	20.19	20.23	20.23	20.13	20.16		21.7	0
15	0	0	74	20.13	20.26	20.26	20.13	20.22			
15	0	0	50	20.13	20.26	20.26	20.13	20.22			
15	0	0	50	20.13	20.26	20.24	20.29	20.19			
15	0	0	50	20.19	20.07	19.98	20.02	19.97			
15	0	0	24	20.14	20.18	20.18	20.07	20.23			
15	0	0	75	0.026	20.03	20.01	20.08	20.09			
15	0	0	1	19.38	19.48	19.55	19.55	19.53			
15	0	0	50	19.38	19.48	19.55	19.55	19.53			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0	74	19.38	19.48	19.52	19.49	19.62			
15	0	0									

Band		WCDMA II Ant 1			Tune-up Limit (dBm)	WCDMA IV Ant 1			Tune-up Limit (dBm)	WCDMA V Ant 1			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9462	9600	9738		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1890	1907.6		1712.4	1732.6	1752.8		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	14.62	14.86	14.84	15.70	16.02	16.42	16.32	17.70	22.89	23.24	23.23	24.00
3GPP Rel 99	RMC 12.2Kbps	14.71	14.95	14.94	15.70	16.19	16.43	16.41	17.70	23.08	23.37	23.26	24.00
3GPP Rel 6	HSDPA Subtest-1	13.82	13.87	13.88	14.70	15.26	15.52	15.34	16.70	22.13	22.31	22.20	23.00
3GPP Rel 6	HSDPA Subtest-2	13.95	14.00	13.93	14.70	15.32	15.41	15.32	16.70	22.19	22.29	22.24	23.00
3GPP Rel 6	HSDPA Subtest-3	13.35	13.50	13.31	14.20	14.84	14.94	14.96	16.20	21.71	21.82	21.78	22.50
3GPP Rel 6	HSDPA Subtest-4	13.27	13.52	13.39	14.20	14.78	14.83	14.87	16.20	21.70	21.77	21.69	22.50
3GPP Rel 6	DCHSDPA Subtest-1	13.95	13.77	13.94	14.70	15.23	15.38	15.33	16.70	22.17	22.16	22.14	24.00
3GPP Rel 8	DCHSDPA Subtest-2	13.82	13.82	13.69	14.70	15.23	15.29	15.30	16.70	22.10	22.15	22.14	23.00
3GPP Rel 8	DCHSDPA Subtest-3	13.27	13.46	13.27	14.20	14.86	14.94	14.81	16.20	21.66	21.79	21.67	23.50
3GPP Rel 8	DCHSDPA Subtest-4	13.08	13.34	13.13	14.20	14.70	14.87	14.79	16.20	21.64	21.71	21.64	23.50
3GPP Rel 6	HSUPA Subtest-1	13.70	13.94	13.91	14.70	15.24	15.40	15.32	16.70	22.11	22.31	22.17	23.00
3GPP Rel 6	HSUPA Subtest-2	11.84	11.96	11.82	12.70	13.34	13.44	13.35	14.70	20.22	20.31	20.25	22.00
3GPP Rel 6	HSUPA Subtest-3	12.77	13.07	12.85	13.70	14.35	14.53	14.43	15.70	21.20	21.40	21.27	23.00
3GPP Rel 6	HSUPA Subtest-4	11.68	11.89	11.89	12.70	13.12	13.40	13.34	14.70	20.03	20.25	20.19	22.00
3GPP Rel 6	HSUPA Subtest-5	13.59	13.80	13.82	14.70	15.08	15.37	15.38	16.70	21.99	22.18	22.26	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.44	11.45	11.51	12.20	12.91	12.95	13.11	14.20	19.77	19.79	19.94	21.50

Band 71 Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.49	22.61	22.47	23.7	0				
20	QPSK	1	48	22.44	22.45	22.36						
20	QPSK	1	96	22.32	22.45	20.34						
20	QPSK	50	0	21.51	21.65	21.57						
20	QPSK	50	24	21.41	21.48	21.38						
20	QPSK	50	50	21.30	21.41	21.33	23	0.7				
20	QPSK	100	0	21.45	21.63	21.48						
20	16QAM	1	0	21.74	21.92	21.83						
20	16QAM	1	48	21.75	21.88	21.75						
20	16QAM	1	96	21.70	21.82	21.73						
20	16QAM	50	0	20.42	20.50	20.35	22	1.7				
20	16QAM	50	24	20.34	20.49	20.34						
20	16QAM	50	50	20.30	20.41	20.31						
20	16QAM	100	0	20.37	20.39	20.32						
20	64QAM	1	0	20.61	20.71	20.72						
20	64QAM	1	48	20.59	20.76	20.72	22	1.7				
20	64QAM	1	96	20.49	20.64	20.58						
20	64QAM	50	0	19.36	19.34	19.24						
20	64QAM	50	24	19.31	19.34	19.24						
20	64QAM	50	50	19.40	19.27	19.24						
20	64QAM	100	0	19.36	19.40	19.25	21	2.7				
20	256QAM	1	0	17.56	17.68	17.68						
20	256QAM	1	48	17.61	17.59	17.44						
20	256QAM	1	96	17.55	17.57	17.61						
20	256QAM	50	0	17.28	17.42	17.38						
20	256QAM	50	24	17.24	17.38	17.21	19	4.7				
20	256QAM	50	50	17.35	17.33	17.22						
20	256QAM	100	0	17.36	17.46	17.24						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.45	22.59	22.36	23.7	0				
15	QPSK	1	37	22.33	22.45	22.28						
15	QPSK	1	74	22.24	22.39	22.28						
15	QPSK	36	0	21.47	21.54	21.55						
15	QPSK	36	20	21.38	21.45	21.29						
15	QPSK	36	39	21.24	21.40	21.32	23	0.7				
15	QPSK	75	0	21.42	21.58	21.48						
15	16QAM	1	0	21.67	21.80	21.73						
15	16QAM	1	37	21.68	21.80	21.71						
15	16QAM	1	74	21.60	21.74	21.70						
15	16QAM	36	0	20.32	20.38	20.32	22	1.7				
15	16QAM	36	20	20.31	20.45	20.28						
15	16QAM	36	39	20.25	20.31	20.23						
15	16QAM	75	0	20.34	20.37	20.24						
15	64QAM	1	0	20.60	20.59	20.62						
15	64QAM	1	37	20.54	20.65	20.58	22	1.7				
15	64QAM	1	74	20.47	20.58	20.55						
15	64QAM	36	0	19.31	19.38	19.33						
15	64QAM	36	20	19.36	19.38	19.26						
15	64QAM	36	39	19.35	19.35	19.15						
15	64QAM	75	0	19.35	19.35	19.17	21	2.7				
15	256QAM	1	0	17.54	17.60	17.40						
15	256QAM	1	37	17.58	17.55	17.39						
15	256QAM	1	74	17.48	17.48	17.57						
15	256QAM	36	0	17.20	17.22	17.36						
15	256QAM	36	20	17.23	17.31	17.13	19	4.7				
15	256QAM	36	39	17.31	17.29	17.18						
15	256QAM	75	0	17.34	17.30	17.29						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.43	22.57	22.43	23.7	0				
10	QPSK	1	25	22.38	22.38	22.31						
10	QPSK	1	48	22.28	22.44	22.30						
10	QPSK	25	0	21.48	21.61	21.47						
10	QPSK	25	12	21.30	21.38	21.26						
10	QPSK	25	25	21.26	21.37	21.27	23	0.7				
10	QPSK	50	0	21.43	21.58	21.38						
10	16QAM	1	0	21.64	21.82	21.83						
10	16QAM	1	25	21.64	21.83	21.85						
10	16QAM	1	48	21.65	21.76	21.72						
10	16QAM	25	0	20.41	20.35	20.33	22	1.7				
10	16QAM	25	12	20.24	20.37	20.22						
10	16QAM	25	25	20.30	20.38	20.23						
10	16QAM	50	0	20.32	20.38	20.30						
10	64QAM	1	0	20.59	20.63	20.61						
10	64QAM	1	25	20.57	20.66	20.70	22	1.7				
10	64QAM	1	48	20.40	20.64	20.65						
10	64QAM	25	0	19.35	19.38	19.32						
10	64QAM	25	12	19.29	19.28	19.22						
10	64QAM	25	25	19.39	19.17	19.12						
10	64QAM	50	0	19.31	19.29	19.16	21	2.7				
10	256QAM	1	0	17.44	17.52	17.55						
10	256QAM	1	25	17.58	17.52	17.34						
10	256QAM	1	48	17.50	17.52	17.58						
10	256QAM	25	0	17.22	17.24	17.28						
10	256QAM	25	12	17.17	17.27	17.18	19	4.7				
10	256QAM	25	25	17.28	17.21	17.16						
10	256QAM	50	0	17.25	17.42	17.25						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.37	22.50	22.35	23.7	0				
5	QPSK	1	12	22.35	22.44	22.29						
5	QPSK	1	24	22.28	22.42	22.25						
5	QPSK	12	0	21.60	21.67	21.53						
5	QPSK	12	7	21.39	21.37	21.33						
5	QPSK	12	13	21.26	21.37	21.24	23	0.7				
5	QPSK	25	0	21.43	21.53	21.43						
5	16QAM	1	0	21.73	21.92	21.73						
5	16QAM	1	12	21.66	21.75	21.64						
5	16QAM	1	24	21.69	21.80	21.67						
5	16QAM	12	0	20.38	20.44	20.28	22	1.7				
5	16QAM	12	7	20.23	20.45	20.29						
5	16QAM	12	13	20.26	20.34	20.22						
5	16QAM	25	0	20.28	20.30	20.25						
5	64QAM	1	0	20.51	20.66	20.64						
5	64QAM	1	12	20.52	20.71	20.60	22	1.7				
5	64QAM	1	24	20.42	20.55	20.58						
5	64QAM	12	0	19.31	19.38	19.36						
5	64QAM	12	7	19.20	19.27	19.16						
5	64QAM	12	13	19.33	19.17	19.17						
5	64QAM	25	0	19.29	19.29	19.22	21	2.7				
5	256QAM	1	0	17.53	17.67	17.63						
5	256QAM	1	12	17.54	17.49	17.35						
5	256QAM	1	24	17.47	17.47	17.52						
5	256QAM	12	0	17.21	17.20	17.32						
5	256QAM	12	7	17.21	17.28	17.09	19	4.7				
5	256QAM	12	13	17.29	17.25	17.21						
5	256QAM	25	0	17.31	17.38	17.53						



Band 41 Ant 1												
RF [MHz]	Modulation	RF BW	RF ChOff	Power Low Ch [Fm]	Power Low Mid [Fm]	Power Low High [Fm]	Power High Mid [Fm]	Power High Ch [Fm]	Turnup Int. (dBm)	MPR (dB)		
Channel 1												
Frequency (MHz)				250.8	250.85	250.9	250.95	251.0	18.0			
5	QPSK	1	0	18.16	18.23	18.24	18.12	18.14	18.16			
10	QPSK	1	49	18.18	18.24	18.18	18.13	18.13	18.0	18.6	0	
15	QPSK	1	99	18.17	18.22	18.24	18.03	18.03				
20	QPSK	1	149	18.19	18.25	18.24	18.13	18.13				
25	QPSK	50	24	18.12	18.08	18.14	18.11	18.09	18.0	18.0		
30	QPSK	50	50	18.10	18.09	18.08	17.99	17.97				
35	QPSK	50	75	17.85	17.97	18.04	17.97	17.83				
40	16QAM	1	0	17.87	18.01	17.96	17.80	17.83				
45	16QAM	1	49	17.87	18.02	17.97	17.88	17.98	18.0	18.6		
50	16QAM	1	99	17.86	17.92	17.91	17.81	17.81				
55	16QAM	50	0	17.85	17.87	17.93	17.83	17.81				
60	16QAM	50	24	17.80	17.80	17.86	17.97	17.97				
65	16QAM	50	49	17.80	17.82	17.86	17.93	17.82	18.0	18.0		
70	16QAM	100	0	17.80	17.82	17.84	17.90	17.80				
75	64QAM	1	0	17.80	17.82	17.84	17.90	17.80				
80	64QAM	1	49	17.91	17.82	17.97	17.83	17.88				
85	64QAM	1	99	18.00	17.83	17.93	17.88	17.94				
90	64QAM	50	0	17.82	18.02	18.03	17.81	17.84				
95	64QAM	50	24	17.84	17.86	17.90	17.88	18.02				
100	64QAM	50	50	17.80	17.80	17.89	17.85	17.99				
105	64QAM	50	75	17.80	17.86	17.88	17.81	17.81				
110	256QAM	1	0	17.80	17.80	17.82	17.90	17.89				
115	256QAM	1	49	17.85	17.84	17.92	17.85	17.84	18.0	18.0		
120	256QAM	1	99	17.81	17.81	17.87	17.93	17.91				
125	256QAM	50	0	17.73	17.45	17.55	17.68	17.67				
130	256QAM	50	24	17.80	17.43	17.43	17.61	17.68				
135	256QAM	50	50	17.80	17.43	17.57	17.36	17.48	18.0	18.0		
140	256QAM	100	0	17.59	17.49	17.42	17.35	17.48				
Channel 2												
Frequency (MHz)				250.8	250.85	250.9	250.95	251.0	18.0			
5	QPSK	1	0	18.12	18.20	18.20	18.10	18.10	18.0			
10	QPSK	1	37	18.12	18.20	18.20	18.10	18.05				
15	QPSK	1	74	18.11	18.16	18.16	17.98	17.89				
20	QPSK	1	112	18.13	18.26	18.26	18.05	18.05				
25	QPSK	36	39	18.09	18.18	18.04	18.06	17.89				
30	QPSK	36	39	18.15	18.14	18.19	17.96	17.89				
35	QPSK	36	39	18.11	18.29	18.21	17.98	17.91				
40	16QAM	1	0	18.11	18.22	18.07	18.10	17.92				
45	16QAM	1	37	18.09	18.11	18.11	17.95	17.98	18.0	18.0		

Band 41 HPUE Ant 1											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [mW]	Power Low Ch [mW]	Power Mid Ch [mW]	Power High Ch [mW]	Power High Ch [mW]	Power High Ch [mW]	Turn-up time (dBm)	MPR (dB)
Channel											
				2606	2616	2631	2636	2651	4160		
20	QPSK	1	0	19.79	19.84	19.83	19.73	19.69	19.83		
20	QPSK	1	49	19.78	19.83	19.82	19.77	19.68	19.82		
20	QPSK	1	99	19.78	19.80	19.72	19.68	19.65	19.65		
20	QPSK	50	24	19.78	19.83	19.82	19.77	19.68	19.83		
20	QPSK	50	50	19.79	19.83	19.72	19.63	19.50	19.50		
20	QPSK	50	50	19.78	19.86	19.69	19.62	19.54	19.54		
20	QPSK	50	50	19.82	19.85	19.84	19.79	19.64	19.64		
20	16QAM	1	0	19.61	19.67	19.56	19.45	19.51			
20	16QAM	1	49	19.61	19.53	19.62	19.42	19.51			
20	16QAM	1	99	19.61	19.59	19.56	19.34	19.50			
20	16QAM	50	0	19.56	19.41	19.56	19.42	19.32			
20	16QAM	50	24	19.57	19.56	19.40	19.22	19.34			
20	16QAM	50	50	19.50	19.50	19.36	19.36	19.38			
20	16QAM	100	0	19.34	19.34	19.48	19.20	19.35			
20	16QAM	100	50	19.35	19.41	19.41	19.31	19.30			
20	16QAM	1	49	19.58	19.40	19.59	19.34	19.48			
20	64QAM	1	99	19.37	19.35	19.42	19.33	19.43			
20	64QAM	50	24	19.34	19.33	19.42	19.30	19.41			
20	64QAM	50	24	19.35	19.47	19.40	19.28	19.23			
20	64QAM	50	50	19.41	19.38	19.48	19.45	19.36			
20	64QAM	100	50	19.42	19.38	19.47	19.41	19.37			
20	256QAM	1	0	19.33	19.48	19.40	19.32	19.38			
20	256QAM	1	49	19.32	19.50	19.45	19.27	19.34			
20	256QAM	1	99	19.51	19.25	19.32	19.36	19.42			
20	256QAM	50	0	19.45	19.30	19.47	19.43	19.40			
20	256QAM	50	24	19.46	19.23	19.33	19.38	19.41			
20	256QAM	50	50	19.43	19.28	19.38	19.25	19.42			
20	256QAM	100	0	19.42	19.40	19.32	19.42	19.36			
Channel											
				2653	2643	2651	2637	2658			
20	QPSK	1	0	19.67	19.67	19.67	19.67	19.69	19.69		
20	QPSK	1	37	19.66	19.75	19.51	19.51	19.63	19.63		
20	QPSK	1	74	19.72	19.65	19.68	19.69	19.50	19.50		
20	QPSK	50	24	19.55	19.74	19.52	19.52	19.52	19.52		
20	QPSK	50	24	19.64	19.50	19.64	19.58	19.48	19.48		
20	QPSK	50	50	19.61	19.53	19.54	19.54	19.44	19.44		
20	QPSK	50	50	19.43	19.65	19.45	19.28	19.28	19.28		
20	16QAM	1	0	19.56	19.60	19.44					

Band 42 FCC Part27Q Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
				Channel	42190	42590	42990		
				Frequency (MHz)	3450	3500	3550		
20	QPSK	1	0	13.75	13.67	13.73	13.73	14.8	0
20	QPSK	1	49	13.71	13.74	13.61	13.61		
20	QPSK	1	99	13.70	13.74	13.64	13.64		
20	QPSK	50	0	13.71	13.73	13.71	13.71		
20	QPSK	50	24	13.49	13.61	13.66	13.66	14.8	0
20	QPSK	50	50	13.55	13.58	13.62	13.62		
20	QPSK	100	0	13.50	13.52	13.42	13.42		
20	16QAM	1	0	13.50	13.53	13.57	13.57		
20	16QAM	1	49	13.51	13.51	13.45	13.45	14.8	0
20	16QAM	1	99	13.56	13.67	13.42	13.42		
20	16QAM	50	0	13.20	13.28	13.44	13.44		
20	16QAM	50	24	13.25	13.23	13.32	13.32	14.8	0
20	16QAM	50	50	13.43	13.46	13.43	13.43		
20	16QAM	100	0	13.27	13.28	13.35	13.35		
20	64QAM	1	0	13.42	13.40	13.25	13.25		
20	64QAM	1	49	13.29	13.32	13.49	13.49	14.8	0
20	64QAM	1	99	13.22	13.33	13.34	13.34		
20	64QAM	50	0	13.23	13.23	13.34	13.34		
20	64QAM	50	24	13.35	13.43	13.34	13.34		
20	64QAM	50	50	13.32	13.33	13.41	13.41	14.8	0
20	64QAM	100	0	13.16	13.30	13.40	13.40		
20	256QAM	1	0	13.37	13.41	13.42	13.42		
20	256QAM	1	49	13.33	13.41	13.36	13.36	14.8	0
20	256QAM	1	99	13.19	13.25	13.45	13.45		
20	256QAM	50	0	13.26	13.26	13.39	13.39		
20	256QAM	50	24	13.25	13.24	13.40	13.40	14.8	0
20	256QAM	50	50	13.20	13.25	13.39	13.39		
20	256QAM	100	0	13.35	13.37	13.39	13.39		
				Channel	42469	42590	42619		
				Frequency (MHz)	3457.5	3500	3542.5		
15	QPSK	1	0	13.63	13.71	13.62	13.62	14.8	0
15	QPSK	1	37	13.67	13.65	13.48	13.48		
15	QPSK	1	74	13.60	13.63	13.56	13.56		
15	QPSK	36	0	13.65	13.68	13.62	13.62		
15	QPSK	36	20	13.38	13.50	13.51	13.51	14.8	0
15	QPSK	36	39	13.49	13.51	13.49	13.49		
15	QPSK	75	0	13.41	13.39	13.37	13.37		
15	16QAM	1	0	13.37	13.38	13.45	13.45		
15	16QAM	1	37	13.43	13.47	13.40	13.40	14.8	0
15	16QAM	1	74	13.48	13.58	13.35	13.35		
15	16QAM	36	0	13.12	13.24	13.39	13.39		
15	16QAM	36	20	13.18	13.18	13.17	13.17		
15	16QAM	36	39	13.32	13.31	13.33	13.33	14.8	0
15	16QAM	75	0	13.18	13.19	13.20	13.20		
15	64QAM	1	0	13.32	13.28	13.14	13.14		
15	64QAM	1	37	13.21	13.21	13.38	13.38	14.8	0
15	64QAM	1	74	13.14	13.27	13.28	13.28		
15	64QAM	36	0	13.13	13.09	13.25	13.25		
15	64QAM	36	20	13.24	13.34	13.23	13.23	14.8	0
15	64QAM	36	39	13.20	13.21	13.27	13.27		
15	64QAM	75	0	13.10	13.16	13.34	13.34		
15	256QAM	1	0	13.33	13.27	13.30	13.30	14.8	0
15	256QAM	1	37	13.25	13.30	13.27	13.27		
15	256QAM	1	74	13.10	13.19	13.30	13.30		
15	256QAM	36	0	13.16	13.17	13.25	13.25		
15	256QAM	36	20	13.17	13.15	13.36	13.36	14.8	0
15	256QAM	36	39	13.14	13.12	13.25	13.25		
15	256QAM	75	0	13.25	13.23	13.29	13.29		
				Channel	42140	42590	43040		
				Frequency (MHz)	3455	3500	3545		
10	QPSK	1	0	13.69	13.79	13.67	13.67	14.8	0
10	QPSK	1	25	13.59	13.61	13.50	13.50		
10	QPSK	1	49	13.64	13.60	13.57	13.57		
10	QPSK	25	0	13.56	13.66	13.64	13.64		
10	QPSK	25	12	13.39	13.55	13.52	13.52	14.8	0
10	QPSK	25	25	13.43	13.53	13.55	13.55		
10	QPSK	50	0	13.43	13.42	13.37	13.37		
10	16QAM	1	0	13.45	13.48	13.42	13.42		
10	16QAM	1	25	13.38	13.42	13.36	13.36	14.8	0
10	16QAM	1	49	13.43	13.60	13.25	13.25		
10	16QAM	25	0	13.09	13.20	13.33	13.33		
10	16QAM	25	12	13.10	13.10	13.24	13.24		
10	16QAM	25	25	13.33	13.35	13.37	13.37	14.8	0
10	16QAM	50	0	13.23	13.16	13.27	13.27		
10	64QAM	1	0	13.32	13.30	13.16	13.16		
10	64QAM	1	25	13.20	13.26	13.39	13.39		
10	64QAM	1	49	13.17	13.25	13.25	13.25	14.8	0
10	64QAM	25	0	13.10	13.09	13.26	13.26		
10	64QAM	25	12	13.21	13.36	13.22	13.22		
10	64QAM	25	25	13.27	13.25	13.30	13.30		
10	64QAM	50	0	13.03	13.16	13.25	13.25	14.8	0
10	256QAM	1	0	13.30	13.28	13.30	13.30		
10	256QAM	1	25	13.23	13.29	13.21	13.21		
10	256QAM	1	49	13.09	13.20	13.31	13.31		
10	256QAM	25	0	13.19	13.18	13.32	13.32	14.8	0
10	256QAM	25	12	13.14	13.09	13.34	13.34		
10	256QAM	25	25	13.09	13.20	13.27	13.27		
10	256QAM	50	0	13.25	13.30	13.27	13.27		
				Channel	42115	42590	43065		
				Frequency (MHz)	3452.5	3500	3547.5		
5	QPSK	1	0	13.67	13.62	13.61	13.61	14.8	0
5	QPSK	1	12	13.58	13.65	13.48	13.48		
5	QPSK	1	24	13.64	13.67	13.53	13.53		
5	QPSK	12	0	13.67	13.64	13.62	13.62		
5	QPSK	12	7	13.44	13.48	13.61	13.61	14.8	0
5	QPSK	12	13	13.45	13.42	13.55	13.55		
5	QPSK	25	0	13.40	13.41	13.33	13.33		
5	16QAM	1	0	13.45	13.41	13.45	13.45		
5	16QAM	1	12	13.43	13.46	13.43	13.43	14.8	0
5	16QAM	1	24	13.42	13.63	13.32	13.32		
5	16QAM	12	0	13.06	13.17	13.39	13.39		
5	16QAM	12	7	13.17	13.16	13.21	13.21		
5	16QAM	12	13	13.36	13.38	13.27	13.27	14.8	0
5	16QAM	25	0	13.15	13.14	13.30	13.30		
5	64QAM	1	0	13.35	13.28	13.09	13.09		
5	64QAM	1	12	13.16	13.27	13.38	13.38	14.8	0
5	64QAM	1	24	13.16	13.24	13.23	13.23		
5	64QAM	12	0	13.15	13.13	13.28	13.28		
5	64QAM	12	7	13.25	13.31	13.28	13.28		
5	64QAM	12	13	13.16	13.25	13.32	13.32	14.8	0
5	256QAM	25	0	13.04	13.23	13.36	13.36		
5	256QAM	1	0	13.23	13.35	13.33	13.33		
5	256QAM	1	12	13.24	13.30	13.22	13.22		
5	256QAM	1	24	13.04	13.16	13.30	13.30	14.8	0
5	256QAM	12	0	13.12	13.10	13.31	13.31		
5	256QAM	12	7	13.15	13.20	13.27	13.27		
5	256QAM	12	13	13.13	13.20	13.31	13.31		
5	256QAM	25	0	13.22	13.29	13.27	13.27		

Band 42 FCC Part27Q Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
				Channel	42190	42590	42990	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3400	3500	3545		
20	QPSK	1	0	18.27	18.26	18.21		19.8	0
20	QPSK	1	49	18.21	18.18	18.05			
20	QPSK	1	99	18.20	18.24	18.23			
20	QPSK	50	0	18.20	18.22	18.17			
20	QPSK	50	24	18.19	18.07	18.11		19.8	0
20	QPSK	50	50	18.12	18.09	18.12			
20	QPSK	100	0	17.94	18.00	17.87			
20	16QAM	1	0	17.86	18.05	18.01		19.8	0
20	16QAM	1	49	17.97	17.98	17.98			
20	16QAM	1	99	17.85	18.20	17.89			
20	16QAM	50	0	18.06	17.81	17.98			
20	16QAM	50	24	17.84	17.86	17.91		19.8	0
20	16QAM	50	50	17.99	18.00	18.00			
20	16QAM	100	0	17.93	17.84	18.01			
20	64QAM	1	0	18.03	18.05	17.89			
20	64QAM	1	49	18.08	17.85	18.00		19.8	0
20	64QAM	1	99	18.07	17.94	17.95			
20	64QAM	50	0	17.85	17.83	17.98			
20	64QAM	50	24	18.03	18.02	17.88			
20	64QAM	50	50	17.86	17.93	17.93		19.8	0
20	64QAM	100	0	17.86	17.88	18.01			
20	256QAM	1	0	16.93	16.95	17.00			
20	256QAM	1	49	16.82	16.90	16.79		18	1.8
20	256QAM	1	99	16.95	16.84	16.91			
20	256QAM	50	0	16.72	16.83	16.84			
20	256QAM	50	24	16.57	16.71	16.48			
20	256QAM	50	50	16.67	16.74	16.53		18	1.8
20	256QAM	100	0	16.76	16.71	16.62			
				Channel	42469	42590	43015		
				Frequency (MHz)	3457.5	3500	3542.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	18.06	18.17	18.10		19.8	0
15	QPSK	1	37	18.15	18.07	17.98			
15	QPSK	1	74	18.05	18.09	18.17			
15	QPSK	36	0	17.92	18.13	18.12			
15	QPSK	36	20	18.03	17.95	17.97		19.8	0
15	QPSK	36	39	17.94	18.03	18.05			
15	QPSK	75	0	17.82	18.00	17.91			
15	16QAM	1	0	17.96	18.02	18.00			
15	16QAM	1	37	17.95	17.98	17.94		19.8	0
15	16QAM	1	74	17.85	18.26	17.92			
15	16QAM	36	0	18.05	17.85	18.00			
15	16QAM	36	20	17.88	17.83	17.85			
15	16QAM	36	39	17.95	17.98	18.05		19.8	0
15	16QAM	75	0	17.95	17.80	17.99			
15	64QAM	1	0	18.00	18.09	17.90			
15	64QAM	1	37	18.04	17.87	18.02		19.8	0
15	64QAM	1	74	18.11	17.92	17.98			
15	64QAM	36	0	17.83	17.86	18.00			
15	64QAM	36	20	18.07	18.00	17.88			
15	64QAM	36	39	17.89	17.92	17.87		19.8	0
15	64QAM	75	0	18.03	17.84	18.00			
15	256QAM	1	0	16.90	16.95	16.98			
15	256QAM	1	37	16.80	16.88	16.79		18	1.8
15	256QAM	1	74	16.87	16.83	16.90			
15	256QAM	36	0	16.61	16.78	16.63			
15	256QAM	36	20	16.47	16.70	16.45			
15	256QAM	36	39	16.63	16.66	16.45		18	1.8
15	256QAM	75	0	16.69	16.69	16.55			
				Channel	42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3455	3500	3545	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	18.05	18.06	18.01		19.8	0
10	QPSK	1	25	17.84	17.97	17.83			
10	QPSK	1	49	17.91	18.08	18.03			
10	QPSK	25	0	17.86	17.97	18.01			
10	QPSK	25	12	17.95	17.83	17.92		19.8	0
10	QPSK	25	25	17.85	17.85	17.88			
10	QPSK	50	0	17.98	17.95	17.89			
10	16QAM	1	0	17.98	18.04	18.04			
10	16QAM	1	25	17.93	18.04	17.90		19.8	0
10	16QAM	1	49	17.81	18.23	17.90			
10	16QAM	25	0	18.07	17.87	17.98			
10	16QAM	25	12	17.89	17.91	17.92			
10	16QAM	25	25	18.01	18.01	18.01		19.8	0
10	16QAM	50	0	17.89	17.87	17.97			
10	64QAM	1	0	18.01	18.03	17.85			
10	64QAM	1	25	18.11	17.90	18.00			
10	64QAM	1	49	18.09	17.97	17.90		19.8	0
10	64QAM	25	0	17.84	17.88	18.02			
10	64QAM	25	12	18.03	18.06	17.91			
10	64QAM	25	25	17.87	17.91	17.94			
10	64QAM	50	0	17.92	17.90	18.00		18	1.8
10	256QAM	1	0	16.87	16.90	16.97			
10	256QAM	1	25	16.76	16.82	16.71			
10	256QAM	1	49	16.92	16.78	16.83			
10	256QAM	25	0	16.84	16.80	16.53		18	1.8
10	256QAM	25	12	16.53	16.68	16.48			
10	256QAM	25	25	16.60	16.71	16.48			
10	256QAM	50	0	16.75	16.61	16.59			
				Channel	42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
				Frequency (MHz)	3452.5	3500	3547.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	18.03	18.14	18.02		19.8	0
5	QPSK	1	12	17.94	18.02	17.87			
5	QPSK	1	24	17.95	18.06	18.02			
5	QPSK	12	0	17.85	18.02	17.97			
5	QPSK	12	7	17.88	17.89	17.95		19.8	0
5	QPSK	12	13	17.86	17.93	17.95			
5	QPSK	25	0	17.89	17.97	17.82			
5	16QAM	1	0	17.99	18.10	18.05			
5	16QAM	1	12	18.02	18.03	17.95		19.8	0
5	16QAM	1	24	17.86	18.17	17.94			
5	16QAM	12	0	18.05	17.87	18.01			
5	16QAM	12	7	17.80	17.89	17.93			
5	16QAM	12	13	17.99	18.04	18.05		19.8	0
5	16QAM	25	0	17.88	17.89	18.02			
5	64QAM	1	0	17.99	18.00	17.92			
5	64QAM	1	12	18.10	17.82	17.97		19.8	0
5	64QAM	1	24	18.11	17.89	17.98			
5	64QAM	12	0	17.91	17.88	17.96			
5	64QAM	12	7	18.06	18.06	17.93			
5	64QAM	12	13	17.91	17.93	17.89		19.8	0
5	256QAM	25	0	17.82	17.84	17.90			
5	256QAM	1	0	16.92	16.94	16.92			
5	256QAM	1	12	16.71	16.82	16.69		18	1.8
5	256QAM	1	24	16.89	16.77	16.90			
5	256QAM	12	0	16.70	16.76	16.55			
5	256QAM	12	7	16.53	16.68	16.39			
5	256QAM	12	13	16.84	16.84	16.50		18	1.8
5	256QAM	25	0	16.88	16.70	16.52			

Band 42 FCC Part27Q Ant 7									
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				42190	42590	42990			
Frequency (MHz)				3400	3500	3550			
20	QPSK	1	0	16.89	16.72	16.61	17.9	0	
20	QPSK	1	49	16.66	16.64	16.53			
20	QPSK	1	99	16.62	16.57	16.54			
20	QPSK	50	0	16.89	16.64	16.57			
20	QPSK	50	24	16.54	16.55	16.48	17.9	0	
20	QPSK	50	50	16.44	16.51	16.48			
20	QPSK	100	0	16.40	16.41	16.31			
20	16QAM	1	0	16.29	16.33	16.31			
20	16QAM	1	49	16.27	16.34	16.42	17.9	0	
20	16QAM	1	99	16.08	16.09	16.28			
20	16QAM	50	0	16.07	16.08	16.26			
20	16QAM	50	24	16.12	16.13	16.20			
20	16QAM	50	50	16.31	16.31	16.35	17.9	0	
20	16QAM	100	0	16.17	16.21	16.31			
20	64QAM	1	0	16.28	16.34	16.12			
20	64QAM	1	49	16.13	16.24	16.29			
20	64QAM	1	99	16.19	16.25	16.28	17.9	0	
20	64QAM	50	0	16.14	16.14	16.22			
20	64QAM	50	24	16.35	16.22	16.12			
20	64QAM	50	50	16.20	16.19	16.30			
20	64QAM	100	0	16.00	16.07	16.33	17.8	0.1	
20	256QAM	1	0	16.21	16.19	16.30			
20	256QAM	1	49	16.36	16.20	16.24			
20	256QAM	1	99	16.06	16.04	16.31			
20	256QAM	1	74	16.05	16.18	16.29	17.8	0.1	
20	256QAM	50	24	16.05	16.05	16.32			
20	256QAM	50	50	16.04	16.12	16.20			
20	256QAM	100	0	16.21	16.27	16.18			
Channel				42190	42590	42990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	16.49	16.44	16.58	17.9	0	
15	QPSK	1	37	16.56	16.53	16.48			
15	QPSK	1	74	16.55	16.51	16.50			
15	QPSK	36	0	16.50	16.48	16.48			
15	QPSK	36	20	16.36	16.29	16.37	17.9	0	
15	QPSK	36	39	16.28	16.35	16.47			
15	QPSK	75	0	16.35	16.33	16.17			
15	16QAM	1	0	16.19	16.35	16.15			
15	16QAM	1	37	16.27	16.35	16.29	17.9	0	
15	16QAM	1	74	16.04	15.98	16.11			
15	16QAM	36	0	15.90	15.97	16.15			
15	16QAM	36	20	15.96	16.04	15.97			
15	16QAM	36	39	16.13	16.17	16.17	17.9	0	
15	16QAM	75	0	16.13	16.07	16.20			
15	64QAM	1	0	16.17	16.21	16.03			
15	64QAM	1	37	16.00	16.01	16.18			
15	64QAM	1	74	16.22	16.12	16.04	17.9	0	
15	64QAM	36	0	16.03	15.99	16.12			
15	64QAM	36	20	16.24	16.12	16.08			
15	64QAM	36	39	16.09	16.00	16.22			
15	64QAM	75	0	16.04	15.97	16.15	17.8	0.1	
15	256QAM	1	0	16.15	16.17	16.11			
15	256QAM	1	37	16.21	16.10	16.07			
15	256QAM	1	74	15.88	16.04	16.17			
15	256QAM	36	0	15.93	16.05	16.25	17.8	0.1	
15	256QAM	36	20	16.06	15.93	16.13			
15	256QAM	36	39	16.00	16.06	16.22			
15	256QAM	75	0	16.13	16.19	16.17			
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	16.53	16.65	16.56	17.9	0	
10	QPSK	1	25	16.57	16.54	16.42			
10	QPSK	1	49	16.51	16.45	16.48			
10	QPSK	25	0	16.54	16.54	16.44			
10	QPSK	25	12	16.39	16.38	16.42	17.9	0	
10	QPSK	25	25	16.29	16.38	16.49			
10	QPSK	50	0	16.31	16.32	16.19			
10	16QAM	1	0	16.27	16.31	16.29			
10	16QAM	1	25	16.18	16.23	16.29	17.9	0	
10	16QAM	1	49	15.96	16.00	16.16			
10	16QAM	25	0	16.00	15.91	16.27			
10	16QAM	25	12	15.90	15.97	16.02			
10	16QAM	25	25	16.14	16.24	16.22	17.9	0	
10	16QAM	50	0	16.13	16.14	16.08			
10	64QAM	1	0	16.27	16.24	16.07			
10	64QAM	1	25	16.06	16.03	16.34			
10	64QAM	1	49	16.05	16.10	16.15	17.9	0	
10	64QAM	25	0	16.13	16.03	16.16			
10	64QAM	25	12	16.18	16.22	16.12			
10	64QAM	25	25	16.17	16.08	16.15			
10	64QAM	50	0	15.86	15.90	16.26	17.8	0.1	
10	256QAM	1	0	16.18	16.17	16.14			
10	256QAM	1	25	16.26	16.20	15.96			
10	256QAM	1	49	15.90	15.91	16.18			
10	256QAM	25	0	15.97	15.95	16.20	17.8	0.1	
10	256QAM	25	12	15.91	16.04	16.22			
10	256QAM	25	25	15.97	16.08	16.11			
10	256QAM	50	0	16.10	16.21	16.07			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	16.50	16.54	16.63	17.9	0	
5	QPSK	1	12	16.45	16.54	16.50			
5	QPSK	1	24	16.52	16.54	16.47			
5	QPSK	12	0	16.41	16.56	16.45			
5	QPSK	12	7	16.35	16.41	16.38	17.9	0	
5	QPSK	12	13	16.30	16.46	16.42			
5	QPSK	25	0	16.32	16.29	16.25			
5	16QAM	1	0	16.31	16.23	16.21			
5	16QAM	1	12	16.32	16.26	16.29	17.9	0	
5	16QAM	1	24	16.06	15.96	16.17			
5	16QAM	12	0	15.95	15.94	16.21			
5	16QAM	12	7	15.94	16.06	16.09			
5	16QAM	12	13	16.20	16.25	16.14	17.9	0	
5	16QAM	25	0	16.17	16.05	16.07			
5	64QAM	1	0	16.14	16.20	15.99			
5	64QAM	1	12	16.11	16.10	16.19			
5	64QAM	1	24	16.19	16.09	16.12	17.9	0	
5	64QAM	12	0	16.06	16.16	16.11			
5	64QAM	12	7	16.25	16.12	15.99			
5	64QAM	12	13	16.02	16.06	16.28			
5	256QAM	1	0	16.15	16.17	16.17	17.8	0.1	
5	256QAM	1	12	16.28	16.17	16.04			
5	256QAM	1	24	15.94	15.97	16.19			
5	256QAM	12	0	15.98	15.98	16.28			
5	256QAM	12	7	15.92	15.97	16.14	17.8	0.1	
5	256QAM	12	13	16.05	16.02	16.13			
5	256QAM	25	0	16.11	16.13	16.13			

Band 48_FCC Ant 7									
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.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3570	3609	3644	3684		
20	QPSK	1	0	16.43	16.32	16.11	16.22	17.7	0
20	QPSK	1	49	16.39	16.18	16.11	16.23		
20	QPSK	1	99	16.30	16.27	16.21	16.31		
20	QPSK	50	0	16.35	16.16	15.92	16.15		
20	QPSK	50	24	16.18	16.26	16.28	16.25	17.7	0
20	QPSK	50	50	16.16	16.08	16.20	16.22		
20	QPSK	100	0	16.06	15.84	15.82	15.95		
20	16QAM	1	0	16.02	16.05	15.99	16.17		
20	16QAM	1	49	16.07	16.06	16.09	16.12	17.7	0
20	16QAM	1	99	16.22	15.87	15.95	15.89		
20	16QAM	50	0	15.77	15.98	15.94	16.01		
20	16QAM	50	24	15.80	15.79	15.73	15.76		
20	16QAM	50	50	15.97	16.00	15.98	15.97	17.7	0
20	16QAM	100	0	15.85	15.99	15.75	15.79		
20	64QAM	1	0	16.01	15.86	15.92	16.00		
20	64QAM	1	49	15.87	16.02	15.95	16.07		
20	64QAM	1	99	15.90	15.85	15.95	16.11	17.7	0
20	64QAM	50	0	15.84	15.92	15.79	15.88		
20	64QAM	50	24	16.00	15.97	16.02	16.03		
20	64QAM	50	50	15.88	16.04	15.71	15.79		
20	64QAM	100	0	15.79	16.00	15.85	15.82	17.7	0
20	256QAM	1	0	15.87	15.88	15.77	15.72		
20	256QAM	1	49	16.07	15.88	15.97	15.96		
20	256QAM	1	99	15.75	16.02	15.94	16.01		
20	256QAM	50	0	15.73	15.93	15.97	16.04	17.7	0
20	256QAM	50	24	15.82	16.00	15.83	16.00		
20	256QAM	50	50	15.75	16.01	15.75	16.01		
20	256QAM	100	0	15.81	15.91	15.79	15.93		
Channel				35815	36305	36629	36950	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.26	16.29	16.11	16.08	17.7	0
15	QPSK	1	37	16.32	16.10	16.05	16.15		
15	QPSK	1	74	16.22	16.26	16.08	16.20		
15	QPSK	36	0	16.24	16.07	15.79	15.83		
15	QPSK	36	20	16.14	16.06	16.09	16.06	17.7	0
15	QPSK	36	39	16.10	16.06	16.07	16.20		
15	QPSK	75	0	15.88	15.72	15.71	15.74		
15	16QAM	1	0	15.93	15.99	15.93	16.06		
15	16QAM	1	37	15.99	15.99	16.02	15.97	17.7	0
15	16QAM	1	74	16.14	15.83	15.94	15.84		
15	16QAM	36	0	16.36	16.22	16.08	16.19		
15	16QAM	36	20	16.28	16.06	16.05	16.16		
15	16QAM	36	39	16.18	16.17	16.10	16.30	17.7	0
15	16QAM	75	0	16.28	16.04	15.81	16.13		
15	64QAM	1	0	16.15	16.15	16.23	16.20		
15	64QAM	1	37	16.05	16.01	16.11	16.16		
15	64QAM	1	74	15.95	15.76	15.81	15.84	17.7	0
15	64QAM	36	0	16.36	16.23	16.07	16.10		
15	64QAM	36	20	16.28	16.14	16.04	16.18		
15	64QAM	36	39	16.21	16.27	16.11	16.22		
15	64QAM	75	0	16.25	16.11	15.87	16.07	17.7	0
15	256QAM	1	0	16.35	16.31	15.99	16.13		
15	256QAM	1	37	16.28	16.06	16.08	16.13		
15	256QAM	1	74	16.21	16.21	16.19	16.31		
15	256QAM	36	0	16.27	16.14	15.82	16.11	17.7	0
15	256QAM	36	20	16.14	16.20	16.15	16.25		
15	256QAM	36	39	16.06	16.02	16.16	16.16		
15	256QAM	75	0	15.97	15.82	15.74	15.82		
Channel				35260	35815	36165	36690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.29	16.30	16.02	16.08	17.7	0
10	QPSK	1	25	16.30	16.07	16.01	16.15		
10	QPSK	1	49	16.22	16.25	16.13	16.23		
10	QPSK	25	0	16.13	16.07	15.91	15.93		
10	QPSK	25	12	15.99	16.18	16.12	16.12	17.7	0
10	QPSK	25	25	16.07	16.02	16.17	16.20		
10	QPSK	50	0	15.90	15.80	15.72	15.85		
10	16QAM	1	0	16.00	15.96	15.79	16.04		
10	16QAM	1	25	15.97	15.97	15.94	15.98	17.7	0
10	16QAM	1	49	16.07	15.72	15.82	15.84		
10	16QAM	25	0	16.36	16.23	16.02	16.15		
10	16QAM	25	12	16.37	16.08	16.05	16.23		
10	16QAM	25	25	16.27	16.18	16.18	16.23	17.7	0
10	16QAM	50	0	16.27	16.12	15.80	16.10		
10	64QAM	1	0	16.11	16.18	16.23	16.19		
10	64QAM	1	25	16.15	16.03	16.12	16.11		
10	64QAM	1	49	15.87	15.76	15.78	15.83	17.7	0
10	64QAM	25	0	16.32	16.30	16.04	16.12		
10	64QAM	25	12	16.36	16.13	16.07	16.12		
10	64QAM	25	25	16.26	16.19	16.18	16.26		
10	64QAM	50	0	16.23	16.09	15.82	16.12	17.7	0
10	256QAM	1	0	16.34	16.23	16.09	16.20		
10	256QAM	1	25	16.36	16.06	16.01	16.23		
10	256QAM	1	49	16.22	16.18	16.19	16.27		
10	256QAM	25	0	16.25	16.10	15.82	16.11	17.7	0
10	256QAM	25	12	16.11	16.25	16.16	16.14		
10	256QAM	25	25	16.11	16.04	16.11	16.11		
10	256QAM	50	0	15.97	15.74	15.72	15.84		
Channel				55265	55810	56179	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.33	16.32	15.92	16.10	17.7	0
5	QPSK	1	12	16.23	16.04	16.09	16.26		
5	QPSK	1	24	16.23	16.14	16.03	16.13		
5	QPSK	12	0	16.22	16.08	15.82	15.99		
5	QPSK	12	7	16.11	16.14	16.16	16.16	17.7	0
5	QPSK	12	13	16.09	15.85	16.11	16.17		
5	QPSK	25	0	15.94	15.76	15.72	15.89		
5	16QAM	1	0	15.98	15.98	15.86	16.04		
5	16QAM	1	12	15.87	15.97	15.95	15.96	17.7	0
5	16QAM	1	24	16.07	15.71	15.85	15.77		
5	16QAM	12	0	16.32	16.26	16.11	16.16		
5	16QAM	12	7	16.37	16.10	16.01	16.15		
5	16QAM	12	13	16.25	16.26	16.12	16.21	17.7	0
5	16QAM	25	0	16.35	16.07	15.90	16.06		
5	64QAM	1	0	16.13	16.15	16.17	16.23		
5	64QAM	1	12	16.08	16.00	16.09	16.13		
5	64QAM	1	24	16.01	15.84	15.79	15.86	17.7	0
5	64QAM	12	0	16.40	16.23	16.02	16.19		
5	64QAM	12	7	16.36	16.11	16.11	16.16		
5	64QAM	12	13	16.18	16.17	16.10	16.24		
5	256QAM	1	0	16.29	16.14	15.89	16.09	17.7	0
5	256QAM	1	0	16.32	16.25	16.10	16.14		
5	256QAM	1	12	16.28	16.08	16.02	16.14		
5	256QAM	1	24	16.27	16.15	16.16	16.30		
5	256QAM	12	0	16.24	16.14	15.84	16.05	17.7	0
5	256QAM	12	7	16.09	16.14	16.22	16.21		
5	256QAM	12	13	16.05	16.04	16.16	16.15		
5	256QAM	25	0	16.01	15.81	15.75	15.95		



Band 2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 18670	Power Mid Ch. Freq. 18680	Power High Ch. Freq. 18690	Turn-up rate (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	22.30	22.51	22.54	24	0	
20	QPSK	1	49	22.27	22.53	22.51			
20	QPSK	1	99	22.29	22.56	22.43			
20	QPSK	50	24	21.48	21.54	21.51	23	1	
20	QPSK	50	50	21.47	21.61	21.58			
20	QPSK	100	100	21.50	21.58	21.53			
20	16QAM	1	0	21.86	21.96	21.86	23	1	
20	16QAM	1	49	21.79	21.91	21.75			
20	16QAM	5	0	21.70	21.82	21.83			
20	16QAM	50	0	20.54	20.64	20.62	22	2	
20	16QAM	50	24	20.43	20.56	20.49			
20	16QAM	50	50	20.46	20.51	20.52			
20	16QAM	100	0	20.58	20.60	20.54	22	2	
20	16QAM	1	49	20.58	20.74	20.63			
20	16QAM	1	99	20.58	20.72	20.67			
20	16QAM	50	0	19.54	19.65	19.57	21	3	
20	16QAM	50	24	19.45	19.60	19.53			
20	16QAM	100	0	19.51	19.63	19.54			
20	16QAM	1	49	17.65	17.68	17.65	19	5	
20	16QAM	1	99	17.63	17.67	17.62			
20	256QAM	1	49	17.60	17.63	17.59	19	5	
20	256QAM	50	0	17.50	17.63	17.56			
20	256QAM	50	50	17.60	17.60	17.54			
20	256QAM	100	0	17.52	17.61	17.62			
Channel									
Frequency (MHz)									
15	QPSK	1	0	22.32	22.57	22.52	24	0	
15	QPSK	1	37	22.19	22.41	22.37			
15	QPSK	1	74	22.24	22.54	22.35			
15	QPSK	36	20	21.48	21.54	21.53	23	1	
15	QPSK	36	39	21.30	21.46	21.44			
15	QPSK	36	59	21.34	21.56	21.54			
15	QPSK	75	0	21.57	21.59	21.58	23	1	
15	16QAM	1	0	21.73	21.82	21.75			
15	16QAM	1	37	21.71	21.78	21.71	23	1	
15	16QAM	1	74	21.68	21.81	21.70			
15	16QAM	36	0	20.44	20.51	20.45	22	2	
15	16QAM	36	20	20.40	20.42	20.38			
15	16QAM	36	39	20.33	20.49	20.49			
15	16QAM	75	0	20.44	20.46	20.43	22	2	
15	16QAM	75	0	20.39	20.49	20.49			
15	16QAM	1	0	20.40	20.60	20.57	22	2	
15	16QAM	1	49	20.45	20.57	20.56			
15	16QAM	1	74	20.54	20.59	20.51			
15	16QAM	36	0	19.43	19.59	19.52	21	3	
15	16QAM	36	39	19.36	19.58	19.42			
15	16QAM	36	59	19.39	19.42	19.42			
15	16QAM	75	0	19.43	19.50	19.46	19	5	
15	256QAM	1	49	17.54	17.62	17.58			
15	256QAM	1	37	17.50	17.60	17.47	19	5	
15	256QAM	36	0	17.57	17.58	17.55			
15	256QAM	36	20	17.37	17.51	17.42	19	5	
15	256QAM	36	39	17.20	17.48	17.44			
15	256QAM	75	0	17.47	17.57	17.49			
Channel									
Frequency (MHz)									
10	QPSK	1	0	22.31	22.51	22.52	24	0	
10	QPSK	1	26	22.14	22.56	22.49			
10	QPSK	49	0	22.27	22.51	22.39			
10	QPSK	25	12	21.57	21.66	21.60	23	1	
10	QPSK	25	12	21.37	21.41	21.48			
10	QPSK	25	26	21.38	21.50	21.54			
10	QPSK	25	49	21.48	21.69	21.54	23	1	
10	16QAM	1	0	21.82	21.81	21.73			
10	16QAM	25	0	21.71	21.80	21.81	23	1	
10	16QAM	25	12	21.80	21.82	21.74			
10	16QAM	25	0	20.52	20.51	20.49	22	2	
10	16QAM	25	12	20.39	20.48	20.48			
10	16QAM	50	0	20.39	20.49	20.48			
10	16QAM	50	0	20.49	20.53	20.41	22	2	
10	16QAM	50	26	20.50	20.68	20.57			
10	16QAM	1	49	20.45	20.51	20.61			
10	16QAM	25	0	19.35	19.48	19.47	21	3	
10	16QAM	25	12	19.35	19.46	19.47			
10	16QAM	25	26	19.38	19.43	19.35			
10	16QAM	50	0	17.52	17.62	17.53	19	5	
10	256QAM	1	25	17.42	17.48	17.59			
10	256QAM	25	0	17.55	17.62	17.62			
10	256QAM	25	0	17.57	17.60	17.68	19	5	
10	256QAM	25	12	17.40	17.41	17.44			
10	256QAM	25	26	17.36	17.54	17.47			
10	256QAM	50	0	17.40	17.52	17.44			
Channel									
Frequency (MHz)									
5	QPSK	1	0	22.31	22.63	22.48	24	0	
5	QPSK	1	12	22.24	22.46	22.46			
5	QPSK	1	24	22.22	22.43	22.35			
5	QPSK	12	6	21.48	21.65	21.48	23	1	
5	QPSK	12	6	21.38	21.44	21.42			
5	QPSK	12	12	21.32	21.42	21.43			
5	QPSK	25	0	21.48	21.58	21.49	23	1	
5	16QAM	1	0	21.74	21.90	21.77			
5	16QAM	12	0	21.68	21.82	21.72	23	1	
5	16QAM	12	6	21.70	21.79	21.76			
5	16QAM	1	24	20.50	20.79	20.67	22	2	
5	16QAM	12	0	20.42	20.58	20.54			
5	16QAM	12	6	20.33	20.63	20.48			
5	16QAM	12	13	20.41	20.44	20.52	22	2	
5	16QAM	12	13	20.48	20.52	20.40			
5	16QAM	25	0	20.55	20.76	20.58	22	2	
5	16QAM	25	6	20.44	20.59	20.61			
5	16QAM	1	12	20.46	20.62	20.58	21	3	
5	16QAM	12	0	19.42	19.35	19.55			
5	16QAM	12	7	19.35	19.53	19.46			
5	16QAM	12	13	19.36	19.38	19.43	21	3	
5	16QAM	25	0	17.80	17.86	17.54			
5	256QAM	1	12	17.39	17.44	17.53	19	5	
5	256QAM	1	12	17.56	17.61	17.58			
5	256QAM	12	0	17.52	17.66	17.56	19	5	
5	256QAM	12	7	17.42	17.48	17.44			
5	256QAM	12	17	17.55	17.64	17.45			
5	256QAM	25	0	17.47	17.67	17.48			
Channel									
Frequency (MHz)									
3	QPSK	1	0	22.25	22.59	22.45	24	0	
3	QPSK	1	8	22.21	22.44	22.39			
3	QPSK	8	0	21.55	21.59	21.54	23	1	
3	QPSK	8	0	21.39	21.45	21.48			
3	QPSK	15	0	21.48	21.62	21.52	23	1	
3	16QAM	1	0	21.81	21.91	21.79			
3	16QAM	1	8	21.68	21.74	21.64	23	1	
3	16QAM	1	14	21.65	21.81	21.69			
3	16QAM	8	0	20.43	20.54	20.49	22	2	
3	16QAM	8	0	20.34	20.45	20.38			
3	16QAM	8	7	20.41	20.41	20.52	22	2	
3	16QAM	8	7	20.42	20.63	20.48			
3	16QAM	15	0	20.54	20.76	20.65	22	2	
3	16QAM	15	0	20.49	20.66	20.61			
3	16QAM	1	14	20.50	20.63	20.54	21	3	
3	16QAM	8	7	19.45	19.59	19.54			
3	16QAM	8	4	19.34	19.54	19.36	21	3	
3	16QAM	8	7	19.35	19.48	19.38			
3	256QAM	1	0	17.46	17.64	17.50	19	5	
3	256QAM	1	8	17.49	17.49	17.50			
3	256QAM	15	0	17.54	17.69	17.59	19	5	
3	256QAM	8	0	17.56	17.69	17.51			
3	256QAM	8	4	17.37	17.59	17.53	19	5	
3	256QAM	8	4	17.45	17.64	17.44			
3	256QAM	15	0	17.40	17.63	17.45			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	22.31	22.67	22.44	24	0	
1.4	QPSK	1	3	22.25	22.41	22.45			
1									

Band 38 Ant 0									
RF Mod	Modulation	RB Size	RB Offset	Power (mW)	Power (mW) Ch 1/Freq	Power (mW) Ch 2/Freq	Power (mW) Ch 3/Freq	Time-up (ms) (dB)	MPE (dB)
Channel				37850	36000	36150			
20	QPSK	1	0	22.48	22.48	22.47	22.47	23	0
20	QPSK	1	49	22.40	22.31	22.30	22.30		
20	QPSK	1	98	22.31	22.26	22.26	22.26		
20	QPSK	50	0	21.41	21.42	21.42	21.42		
20	QPSK	50	24	21.26	21.30	21.31	21.30		
20	QPSK	100	0	20.48	20.48	20.48	20.48	22	1
20	QPSK	100	0	21.40	21.50	21.50	21.50		
20	16QAM	1	0	21.69	21.78	21.79	21.78		
20	16QAM	1	49	21.61	21.70	21.70	21.70		
20	16QAM	1	98	21.59	21.74	21.69	21.69		
20	16QAM	50	0	20.34	20.41	20.41	20.42	21	2
20	16QAM	50	24	20.45	20.49	20.50	20.50		
20	16QAM	50	50	20.19	20.37	20.34	20.34		
20	16QAM	100	0	20.36	20.36	20.36	20.36		
20	16QAM	100	0	20.36	20.36	20.36	20.36		
20	64QAM	1	49	20.57	20.65	20.65	20.65	21	2
20	64QAM	1	98	20.57	20.65	20.65	20.65		
20	64QAM	50	0	19.34	19.42	19.33	19.33		
20	64QAM	50	24	19.27	19.28	19.28	19.28		
20	64QAM	100	0	19.21	19.31	19.17	19.17		
20	256QAM	1	0	17.85	17.86	17.83	17.83	18	5
20	256QAM	1	49	17.77	17.86	17.86	17.86		
20	256QAM	1	99	17.81	17.86	17.85	17.85		
20	256QAM	50	0	17.77	17.77	17.77	17.77		
20	256QAM	50	24	17.25	17.25	17.25	17.25		
20	256QAM	50	50	17.30	17.38	17.34	17.34	21	2
20	256QAM	100	0	17.30	17.38	17.34	17.34		
Channel				37850	36000	36150			
Frequency (MHz)				22.474	22.474	22.474			
15	QPSK	1	0	22.473	22.473	22.473	22.473	23	0
15	QPSK	1	37	22.28	22.18	22.18	22.18		
15	QPSK	1	74	22.09	22.09	22.12	22.12		
15	QPSK	50	0	21.42	21.42	21.42	21.42		
15	QPSK	50	20	21.14	21.24	21.17	21.17		
15	QPSK	50	40	21.13	21.13	21.25	21.25	22	1
15	QPSK	75	0	21.38	21.38	21.30	21.30		
15	16QAM	1	0	21.55	21.66	21.81	21.81		
15	16QAM	1	37	21.37	21.47	21.44	21.44		
15	16QAM	1	74	21.54	21.72	21.51	21.51		
15	16QAM	50	0	20.24	20.24	20.25	20.25	21	2
15	16QAM	50	20	20.34	20.34	20.33	20.33		
15	16QAM	50	40	20.20	20.20	20.20	20.20	20	3
15	16QAM	75	0	20.37	20.37	20.32	20.32		
15	64QAM	1	0	20.40	20.50	20.45	20.45		
15	64QAM	1	37	20.52	20.48	20.51	20.51		
15	64QAM	1	74	20.47	20.47	20.50	20.50		
15	64QAM	50	0	19.23	19.37	19.25	19.25	20	3
15	64QAM	50	20	19.15	19.17	19.16	19.16		
15	64QAM	50	40	19.19	19.19	19.19	19.19		
15	64QAM	75	0	19.05	19.22	19.11	19.11		
15	256QAM	1	0	17.85	17.86	17.83	17.83		
15	256QAM	1	37	17.79	17.87	17.87	17.87	18	5
15	256QAM	1	74	17.42	17.49	17.43	17.43		
15	256QAM	50	0	17.35	17.35	17.35	17.35		
15	256QAM	50	20	17.14	17.14	17.20	17.20		
15	256QAM	50	50	17.25	17.13	17.17	17.17		
15	256QAM	75	0	17.31	17.27	17.31	17.31	21	2
15	256QAM	100	0	17.31	17.27	17.31	17.31		
Channel				37850	36000	36150			
Frequency (MHz)				22.474	22.474	22.474			
10	QPSK	1	0	22.473	22.473	22.473	22.473	23	0
10	QPSK	1	25	22.31	22.22	22.23	22.23		
10	QPSK	1	50	22.15	22.06	22.07	22.07		
10	QPSK	25	0	21.31	21.45	21.40	21.40		
10	QPSK	25	12	21.19	21.34	21.19	21.19		
10	QPSK	25	25	21.07	21.22	21.12	21.12	22	1
10	QPSK	50	0	21.34	21.30	21.26	21.26		
10	16QAM	1	0	21.57	21.70	21.53	21.53		
10	16QAM	1	25	21.37	21.47	21.46	21.46		
10	16QAM	1	49	21.47	21.67	21.60	21.60		
10	16QAM	25	0	20.26	20.26	20.21	20.21	21	2
10	16QAM	25	25	20.44	20.44	20.43	20.43		
10	16QAM	25	50	20.07	20.31	20.14	20.14	20	3
10	16QAM	50	0	20.30	20.26	20.22	20.22		
10	64QAM	1	0	20.50	20.57	20.53	20.53		
10	64QAM	1	25	20.49	20.56	20.42	20.42		
10	64QAM	1	50	20.43	20.47	20.50	20.50		
10	64QAM	25	0	19.21	19.30	19.21	19.21	20	3
10	64QAM	25	12	19.22	19.28	19.14	19.14		
10	64QAM	25	25	19.23	19.23	19.11	19.11		
10	64QAM	50	0	19.16	19.28	19.03	19.03		
10	64QAM	50	25	17.81	17.81	17.43	17.43		
10	256QAM	1	25	17.41	17.48	17.40	17.40	18	5
10	256QAM	1	49	17.38	17.43	17.39	17.39		
10	256QAM	25	0	17.32	17.38	17.32	17.32		
10	256QAM	25	12	17.17	17.16	17.22	17.22		
10	256QAM	25	25	17.22	17.18	17.19	17.19		
10	256QAM	50	0	17.27	17.27	17.27	17.27	18	5
10	256QAM	50	25	17.27	17.27	17.27	17.27		
Channel				37776	36000	36252			
Frequency (MHz)				22.473	22.473	22.473			
5	QPSK	1	0	22.473	22.473	22.473	22.473	23	0
5	QPSK	1	12	22.30	22.20	22.15	22.15		
5	QPSK	1	25	22.15	22.06	22.07	22.07		
5	QPSK	12	0	21.29	21.48	21.47	21.47		
5	QPSK	12	7	21.16	21.27	21.25	21.25		
5	QPSK	12	13	21.05	21.15	21.15	21.15	22	1
5	QPSK	25	0	21.35	21.49	21.23	21.23		
5	16QAM	1	0	21.62	21.69	21.81	21.81		
5	16QAM	1	13	21.42	21.52	21.52	21.52		
5	16QAM	1	24	21.45	21.64	21.61	21.61		
5	16QAM	12	0	20.26	20.26	20.26	20.26	21	2
5	16QAM	12	13	20.29	20.35	20.14	20.14		
5	16QAM	12	13	20.56	20.51	20.14	20.14	21	2
5	16QAM	25	0	20.28	20.28	20.18	20.18		
5	64QAM	1	0	20.52	20.62	20.49	20.49		
5	64QAM	1	12	20.47	20.56	20.49	20.49		
5	64QAM	1	13	19.23	19.23	19.17	19.17		
5	64QAM	12	0	19.26	19.37	19.21	19.21	20	3
5	64QAM	12	7	19.26	19.14	19.16	19.16		
5	64QAM	12	13	19.23	19.23	19.19	19.19		
5	64QAM	25	0	19.14	19.27	19.04	19.04		
5	256QAM	1	12	17.45	17.45	17.45	17.45		
5	256QAM	1	12	17.39	17.40	17.39	17.39	18	5
5	256QAM	1	24	17.37	17.42	17.43	17.43		
5	256QAM	12	0	17.45	17.45	17.47	17.47		
5	256QAM	12	7	17.80	17.18	17.26	17.26		
5	256QAM	12	13	17.21	17.15	17.09	17.09		

Band 41 Ant 0										
RF (MHz)	Modulation	RIS Size	RF Offset	Power (W) / CIS (F/deg)	Power (W) / CIS (F/deg)	Power (W) / CIS (F/deg)	Power (W) / CIS (F/deg)	Power (W) / CIS (F/deg)	Turn-up limit (dB)	MFR (dB)
Channel										
Frequency (MHz)				40850	40185	40620	41005	41660		
20	QPSK	0	21.86	21.86	21.75	21.56	21.56	21.84		
20	QPSK	1	49	21.70	21.60	21.83	21.83	21.73	23	0
20	QPSK	50	20	20.89	21.62	21.58	21.52	21.68		
20	QPSK	50	24	20.78	21.60	21.58	21.52	21.68		
20	QPSK	50	24	20.75	20.60	20.76	20.87	20.67	22	1
20	QPSK	50	24	20.75	20.60	20.76	20.87	20.67		
20	QPSK	100	0	20.89	20.76	20.82	20.50	20.87		
20	16QAM	1	0	21.12	21.06	21.13	21.18	21.16		
20	16QAM	1	49	21.06	21.01	21.13	21.18	21.12	22	1
20	16QAM	1	56	21.11	21.03	21.04	21.19	21.05		
20	16QAM	50	0	19.75	19.64	19.77	19.80	19.77		
20	16QAM	50	24	19.79	19.66	19.76	19.79	19.76		
20	16QAM	50	24	19.64	19.68	19.62	19.77	19.68		
20	16QAM	100	0	19.75	19.62	19.76	19.79	19.74		
20	16QAM	100	0	19.78	19.66	19.76	19.79	19.76		
20	64QAM	1	49	20.50	19.92	19.93	20.06	19.93	21	2
20	64QAM	1	56	20.50	19.86	19.95	20.06	19.95		
20	64QAM	50	0	18.75	18.63	18.78	18.77	18.73		
20	64QAM	50	24	18.54	18.50	18.72	18.70	18.65		
20	64QAM	50	24	18.61	18.52	18.74	18.70	18.61		
20	64QAM	100	0	18.60	18.50	18.71	18.76	18.70		
20	256QAM	1	0	16.92	16.93	16.97	17.02	17.04		
20	256QAM	1	56	16.93	16.79	16.96	16.96	16.93	18	5
20	256QAM	1	56	16.90	16.89	16.96	16.90	16.93		
20	256QAM	50	0	16.72	16.56	16.97	16.97	16.79		
20	256QAM	50	24	16.50	16.50	16.72	16.65	16.63	18	5
20	256QAM	50	24	16.63	16.48	16.73	16.75	16.68		
20	256QAM	100	0	16.63	16.48	16.73	16.75	16.68		
Channel										
Frequency (MHz)				40870	40175	40620	41000	41655	Turn-up limit (dB)	MFR (dB)
20	QPSK	0	21.84	21.73	21.56	21.56	21.84	21.73		
20	QPSK	1	37	21.65	21.61	21.75	21.79	21.65	23	0
20	QPSK	1	74	21.60	21.48	21.53	21.76	21.60		
20	QPSK	25	0	20.78	20.78	20.78	20.78	20.78		
20	QPSK	36	0	20.52	20.61	20.72	20.80	20.68		
20	QPSK	36	0	20.52	20.48	20.72	20.80	20.59	22	1
20	QPSK	75	0	20.79	20.76	20.78	20.80	20.79		
20	16QAM	1	0	21.04	21.03	21.10	21.11	21.08		
20	16QAM	1	56	21.08	21.03	21.12	21.13	21.05	22	1
20	16QAM	1	74	21.09	20.93	20.91	21.10	21.02		
20	16QAM	36	0	19.67	19.57	19.71	19.77	19.63		
20	16QAM	36	0	19.71	19.53	19.72	19.79	19.70	21	2
20	16QAM	36	36	19.55	19.59	19.61	19.64	19.59		
20	16QAM	75	0	19.72	19.66	19.67	19.67	19.70		
20	16QAM	75	0	19.98	19.87	20.03	20.07	20.09		
20	64QAM	1	37	19.86	19.87	19.90	20.00	20.01	21	2
20	64QAM	1	74	19.86	19.82	19.86	19.96	19.87		
20	64QAM	36	0	18.63	18.59	18.70	18.74	18.64		
20	64QAM	36	20	18.50	18.37	18.62	18.66	18.50		
20	64QAM	36	36	18.54	18.42	18.62	18.66	18.48	20	3
20	64QAM	75	0	18.63	18.38	18.68	18.79	18.62		
20	256QAM	1	0	16.90	16.83	16.79	16.90	16.87		
20	256QAM	1	56	16.75	16.80	16.84	16.85	16.87	18	5
20	256QAM	1	74	16.83	16.66	16.86	16.87	16.79		
20	256QAM	36	0	16.50	16.39	16.66	16.65	16.57		
20	256QAM	36	20	16.56	16.44	16.66	16.62	16.51	18	5
20	256QAM	75	0	16.62	16.48	16.67	16.71	16.58		
Channel										
Frequency (MHz)				40900	40160	40620	41000	41650	Turn-up limit (dB)	MFR (dB)
20	QPSK	0	21.84	21.65	21.63	21.56	21.56	21.84		
20	QPSK	1	25	21.61	21.52	21.75	21.80	21.62	23	0
20	QPSK	1	74	21.56	21.44	21.53	21.76	21.56		
20	QPSK	25	0	20.61	20.67	20.81	20.89	20.79		
20	QPSK	25	12	20.64	20.61	20.82	20.78	20.70	22	1
20	QPSK	25	12	20.62	20.51	20.82	20.78	20.64		
20	QPSK	50	0	20.86	20.70	20.79	20.81	20.72		
20	16QAM	1	0	20.98	20.90	21.11	21.05	21.10		
20	16QAM	1	56	21.02	20.96	21.10	21.10	21.09	22	1
20	16QAM	1	49	21.04	20.94	20.94	21.07	20.99		
20	16QAM	25	0	19.90	19.80	19.96	19.94	19.74		
20	16QAM	25	12	19.78	19.47	19.84	19.87	19.67	21	2
20	16QAM	25	12	19.68	19.65	19.66	19.72	19.61		
20	64QAM	1	0	20.03	19.83	19.99	20.00	20.05		
20	64QAM	1	25	19.97	19.79	19.84	20.03	19.98	21	2
20	64QAM	1	49	19.86	19.90	19.89	19.99	19.91		
20	64QAM	25	0	18.71	18.56	18.73	18.73	18.65		
20	64QAM	25	12	18.52	18.42	18.60	18.71	18.63		
20	64QAM	25	12	18.49	18.42	18.62	18.73	18.52	20	3
20	64QAM	50	0	18.56	18.43	18.64	18.64	18.61		
20	64QAM	50	0	18.67	18.56	18.68	18.71	18.54		
20	256QAM	1	25	16.83	16.57	16.88	16.87	16.70	18	5
20	256QAM	1	49	16.86	16.85	16.82	16.81	16.82		
20	256QAM	1	56	16.87	16.86	16.86	16.86	16.86		
20	256QAM	25	12	16.54	16.46	16.64	16.62	16.51	18	5
20	256QAM	25	20	16.59	16.47	16.66	16.66	16.51		
20	256QAM	50	0	16.68	16.51	16.66	16.66	16.51		
Channel										
Frequency (MHz)				40970	40140	40620	41000	41650	Turn-up limit (dB)	MFR (dB)
20	QPSK	0	21.84	21.66	21.65	21.56	21.56	21.84		
20	QPSK	1	12	21.67	21.54	21.77	21.70	21.73	23	0
20	QPSK	1	24	21.67	21.52	21.77	21.70	21.61		
20	QPSK	12	0	20.82	20.78	20.84	20.86	20.81		
20	QPSK	12	7	20.83	20.62	20.85	20.83	20.79	22	1
20	QPSK	12	7	20.80	20.52	20.87	20.83	20.63		
20	QPSK	25	0	20.77	20.75	20.78	20.80	20.79		
20	16QAM	1	0	21.00	20.98	21.09	21.09	21.13		
20	16QAM	1	12	21.00	20.96	21.10	21.10	21.04	22	1
20	16QAM	1	24	21.00	20.93	20.92	21.09	20.93		
20	16QAM	12	0	19.69	19.61	19.75	19.75	19.71		
20	16QAM	12	7	19.70	19.49	19.65	19.70	19.66		
20	16QAM	12	13	19.63	19.64	19.63	19.68	19.61	21	2
20	64QAM	1	0	20.00	19.87	20.02	20.01	20.13		
20	64QAM	1	12	19.90	19.81	19.86	19.96	19.98	21	2
20	64QAM	1	24	19.87	19.79	19.82	19.93	19.87		
20	64QAM	12	0	18.67	18.60	18.70	18.73	18.66		
20	64QAM	12	7	18.64	18.51	18.66	18.66	18.59		
20	64QAM	12	13	18.61	18.47	18.67	18.63	18.53	20	3
20	64QAM	25	0	16.59	16.48	16.69	16.68	16.58		
20	256QAM	1	12	16.57	16.45	16.66	16.66	16.57		
20	256QAM	1	24	16.77	16.79	16.85	16.85	16.80		
20	256QAM	12	0	16.62	16.48	16.66	16.66	16.62		
20	256QAM	12	7	16.51	16.45	16.60	16.61	16.50		
20	256QAM	12	13	16.50	16.44	16.64	16.67	16.50		
20	256QAM	25	0	16.68	16.47	16.66	16.66	16.51		

Band 41 HPUE Ant 0														
RF (MHz)	Modulation	RB Size	RB Offset	Power Class Ch. Freq.	Power Class Ch. Freq.	Power Class Ch. Freq.	Power Class Ch. Freq.	Power Class Ch. Freq.	Power Class Ch. Freq.	Turn-up time (min)	lgm rate			
Channel														
20	QPSK	1	0	24.65	24.57	24.50	24.42	24.35	24.28	26	0			
20	QPSK	1	49	24.55	24.41	24.33	24.28	24.24	24.21					
20	QPSK	1	99	24.52	24.39	24.30	24.25	24.20	24.15					
20	QPSK	50	3	24.55	24.65	24.72	24.80	24.87	24.93					
20	QPSK	50	24	25.01	23.48	23.54	23.67	23.83	23.93					
20	QPSK	100	0	24.55	24.65	24.72	24.80	24.87	24.93	25	1			
20	QPSK	100	49	25.07	23.63	23.69	23.77	23.85	23.91					
20	16QAM	1	0	24.88	23.85	23.87	23.94	24.01	24.07					
20	16QAM	1	49	25.01	23.85	23.87	23.94	24.01	24.07					
20	16QAM	1	99	25.09	23.88	23.83	23.90	23.98	24.05					
20	16QAM	50	50	22.50	22.46	22.61	22.70	22.77	22.83	24	2			
20	16QAM	50	24	22.50	22.31	22.80	22.92	23.00	23.07					
20	16QAM	50	50	22.43	22.43	22.40	22.54	22.64	22.74					
20	16QAM	100	0	22.59	22.48	22.51	22.56	22.60	22.64					
20	16QAM	100	49	22.77	22.67	22.77	22.82	22.87	22.91					
20	16QAM	1	99	22.59	22.52	22.51	22.56	22.60	22.64	23	3			
20	16QAM	50	24	21.57	21.41	21.53	21.61	21.63	21.67					
20	16QAM	50	24	21.50	21.33	21.68	21.73	21.87	21.97					
20	16QAM	50	21	21.57	21.43	21.63	21.70	21.82	21.93					
20	16QAM	100	0	21.54	21.34	21.93	21.84	21.92	21.93					
20	256QAM	1	0	18.78	19.76	19.77	19.86	19.86	19.86	21	5			
20	256QAM	1	49	19.75	19.65	19.66	19.75	19.75	19.75					
20	256QAM	1	99	19.66	19.69	19.71	19.71	19.69	19.69					
20	256QAM	50	0	19.59	19.59	19.61	19.61	19.59	19.59					
20	256QAM	50	24	19.34	19.29	19.51	19.44	19.45	19.45					
20	256QAM	100	0	19.17	19.42	19.49	19.58	19.48	19.48	21	5			
20	256QAM	100	0	19.13	19.33	19.53	19.53	19.53	19.53					
Channel														
16	QPSK	1	0	36.725	40.173	40.620	41.080	41.516	41.942			Turn-up time (min)	lgm rate	
16	QPSK	1	24	24.63	24.35	24.48	24.52	24.57	24.61					
16	QPSK	1	37	24.44	24.32	24.80	24.84	24.87	24.91					
16	QPSK	1	74	24.46	24.25	24.34	24.31	24.28	24.26					
16	QPSK	50	3	23.56	23.60	23.71	23.71	23.71	23.71					
16	QPSK	50	24	23.47	23.47	23.51	23.58	23.68	23.67	24	2			
16	QPSK	50	21	23.58	23.34	23.39	23.55	23.65	23.70					
16	QPSK	75	0	23.59	23.60	23.62	23.71	23.65	23.65					
16	16QAM	1	0	23.89	23.82	23.85	23.89	23.88	23.88					
16	16QAM	1	23	23.71	23.71	23.75	23.80	23.83	23.86					
16	16QAM	1	74	23.85	23.71	23.76	23.82	23.85	23.85	24	2			
16	16QAM	36	0	22.49	22.30	22.48	22.61	22.71	22.77					
16	16QAM	36	24	22.56	22.38	22.47	22.62	22.7	22.77					
16	16QAM	36	99	22.30	22.44	22.38	22.45	22.39	22.39					
16	16QAM	75	0	22.47	22.48	22.50	22.59	22.64	22.67					
16	16QAM	1	0	22.79	22.71	22.84	22.87	22.83	22.83	23	3			
16	16QAM	1	37	22.68	22.65	22.70	22.77	22.86	22.91					
16	16QAM	1	74	22.75	22.76	22.80	22.86	22.89	22.92					
16	16QAM	36	0	21.51	21.44	21.47	21.59	21.65	21.71					
16	16QAM	36	20	21.38	21.21	21.41	21.62	21.31	21.37					
16	16QAM	36	25	21.56	21.16	21.51	21.49	21.72	21.43	23	3			
16	16QAM	75	0	21.49	21.18	21.44	21.52	21.39	21.45					
16	256QAM	1	0	19.64	19.64	19.64	19.64	19.64	19.64					
16	256QAM	1	74	19.57	19.56	19.58	19.63	19.64	19.64					
16	256QAM	1	99	19.55	19.54	19.56	19.61	19.62	19.63					
16	256QAM	50	24	19.34	19.18	19.41	19.33	19.42	19.43	21	5			
16	256QAM	50	39	19.32	19.26	19.46	19.48	19.45	19.45					
16	256QAM	75	0	19.33	19.27	19.45	19.27	19.45	19.42					
Channel														
16	QPSK	1	0	36.720	40.160	40.620	41.080	41.540	41.940			Turn-up time (min)	lgm rate	
16	QPSK	1	24	24.68	24.41	24.54	24.57	24.62	24.65					
16	QPSK	1	25	24.47	24.29	24.33	24.80	24.81	24.81					
16	QPSK	1	48	24.54	24.35	24.35	24.35	24.35	24.35					
16	QPSK	25	0	23.59	23.52	23.59	23.70	23.67	23.67					
16	QPSK	25	12	23.46	23.40	23.40	23.69	23.68	23.64	25	1			
16	QPSK	25	25	23.58	23.35	23.35	23.59	23.58	23.54					
16	QPSK	50	0	23.54	23.59	23.62	23.63	23.66	23.66					
16	QPSK	50	0	23.54	23.59	23.62	23.63	23.66	23.66					
16	16QAM	1	0	23.84	23.81	23.81	23.85	23.84	23.84					
16	16QAM	1	23	23.75	23.67	23.69	23.73	23.73	23.73	25	1			
16	16QAM	1	49	23.50	23.78	23.67	23.56	23.82	23.82					
16	16QAM	25	0	22.46	22.32	22.57	22.53	22.47	22.47					
16	16QAM	25	12	22.56	22.38	22.49	22.48	22.47	22.47					
16	16QAM	25	25	22.29	22.35	22.37	22.44	22.34	22.34					
16	16QAM	50	0	22.43	22.43	22.46	22.52	22.54	22.54	24	2			
16	16QAM	1	0	22.76	22.69	22.83	22.84	22.93	22.93					
16	16QAM	1	25	22.64	22.69	22.75	22.85	22.86	22.86					
16	16QAM	1	49	22.68	22.72	22.72	22.77	22.79	22.79					
16	16QAM	25	0	21.39	21.41	21.39	21.53	21.45	21.45					
16	16QAM	25	12	21.31	21.17	21.28	21.48	21.33	21.33	23	3			
16	16QAM	25	25	21.39	21.24	21.64	21.33	21.47	21.47					
16	16QAM	50	0	21.43	21.19	21.49	21.58	21.46	21.46					
16	16QAM	1	0	19.13	19.40	19.47	19.55	19.46	19.46					
16	256QAM	1	25	19.45	19.45	19.50	19.72	19.55	19.55					
16	256QAM	1	49	19.36	19.57	19.67	19.71	19.66	19.66	21	5			
16	256QAM	25	0	19.35	19.58	19.67	19.70	19.65	19.65					
16	256QAM	25	12	19.31	19.19	19.43	19.28	19.36	19.36					
16	256QAM	25	25	19.40	19.24	19.42	19.43	19.36	19.36					
16	256QAM	50	0	19.35	19.57	19.61	19.65	19.62	19.62					
Channel														
5	QPSK	1	0	36.615	40.146	40.620	41.083	41.546	41.946	Turn-up time (min)	lgm rate			
5	QPSK	1	12	24.58	24.38	24.71	24.53	24.43	24.43					
5	QPSK	1	12	24.45	24.34	24.57	24.60	24.64	24.61					
5	QPSK	1	48	24.54	24.34	24.34	24.34	24.34	24.34					
5	QPSK	12	0	23.57	23.59	23.60	23.68	23.68	23.68					
5	QPSK	12	7	23.53	23.42	23.49	23.61	23.64	23.64	25	1			
5	QPSK	12	13	23.17	23.33	23.31	23.63	23.66	23.66					
5	QPSK	25	0	23.65	23.58	23.59	23.65	23.64	23.64					
5	QPSK	1	0	23.67	23.78	23.67	23.69	23.84	23.84					
5	QPSK	1	23	23.72	23.70	23.84	23.68	23.81	23.81					
5	16QAM	1	24	20.89	23.74	23.71	23.91	23.77	23.78	25	1			
5	16QAM	12	0	22.43	22.39	22.42	22.43	22.43	22.43					
5	16QAM	12	7	22.56	22.35	22.49	22.67	22.51	22.51					
5	16QAM	12	13	22.31	22.45	22.38	22.46	22.41	22.41					
5	16QAM	1	0	22.54	22.32	22.42	22.52	22.43	22.43					
5	16QAM	1	0	22.77	22.69	22.63	22.81	22.84	22.84	24	2			
5	16QAM	1	12	22.69	22.66	22.72	22.75	22.79	22.79					
5	16QAM	1	23	22.71	22.70	22.79	22.86	22.87	22.87					
5	16QAM	12	0	21.47	21.37	21.44	21.50	21.45	21.45					
5	16QAM	12	7	21.33	21.23	21.41	21.50	21.33	21.33					
5	16QAM	12	13	21.32	21.33	21.46	21.56	21.35	21.35	23	3			
5	16QAM	25	0	21.42	21.21	21.48	21.55	21.42	21.42					
5	256QAM	1	0	19.13	19.65	19.70	19.75	19.65	19.65					
5	256QAM	1	24	19.73	19.45	19.63	19.63	19.65	19.65					
5	256QAM	1	28	19.58	19.63	19.64	19.68	19.62	19.62					
5	256QAM	12	0	19.19	19.39	19.39	19.46	19.46	19.46	21	5			
5	256QAM	12	7	19.36	19.22	19.52	19.38	19.34	19.34					
5	256QAM	12	13	19.36	19.28	19.43	19.47	19.44	19.44					
5	256QAM	25	0	19.36	19.36	19.36	19.36	19.36	19.36					
5	256QAM	25	12	19.36	19.31	19.51	19.40	19.40	19.40					



Band 38 Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Turn-up time (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.48	22.50	22.47	24	0				
20	QPSK	1	48	22.40	22.31	22.30						
20	QPSK	1	88	22.51	22.38	22.37						
20	QPSK	50	0	21.41	21.54	21.52						
20	QPSK	50	24	21.26	21.38	21.33						
20	QPSK	50	48	21.51	21.78	21.81	23	1				
20	HQAM	1	0	21.46	21.54	21.53						
20	HQAM	1	48	21.69	21.78	21.69						
20	HQAM	1	96	21.34	20.45	20.38						
20	HQAM	50	0	21.59	21.37	21.28						
20	HQAM	50	24	20.34	20.41	20.32	22	2				
20	HQAM	50	48	20.34	20.41	20.32						
20	HQAM	50	50	20.19	20.37	20.24						
20	HQAM	100	0	20.28	20.28	20.05						
20	HQAM	100	0	20.58	20.58	20.58						
20	HQAM	1	48	20.57	20.65	20.66	22	2				
20	HQAM	1	96	20.55	20.61	20.55						
20	HQAM	50	0	19.34	19.42	19.33						
20	HQAM	50	24	19.27	19.28	19.26						
20	HQAM	50	50	19.28	19.29	19.26						
20	HQAM	100	0	19.21	19.31	19.17	21	3				
20	HQAM	100	0	19.21	19.31	19.17						
20	25QAM	1	0	17.52	17.60	17.53						
20	25QAM	1	48	17.51	17.59	17.55						
20	25QAM	1	96	17.51	17.59	17.55						
20	25QAM	50	0	17.27	17.28	17.26	19	5				
20	25QAM	50	24	17.25	17.25	17.17						
20	25QAM	50	50	17.30	17.28	17.24						
20	25QAM	100	0	17.27	17.28	17.24						
20	25QAM	100	0	17.27	17.28	17.24						
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.13	22.46	22.31	24	0				
15	QPSK	1	37	22.28	22.18	22.18						
15	QPSK	1	74	22.50	22.33	22.12						
15	QPSK	36	0	21.34	21.42	21.37						
15	QPSK	36	20	21.14	21.24	21.17						
15	QPSK	36	38	21.38	21.39	21.35	23	1				
15	QPSK	75	0	21.38	21.39	21.35						
15	HQAM	1	0	21.55	21.66	21.61						
15	HQAM	1	37	21.55	21.67	21.64						
15	HQAM	1	74	21.54	21.72	21.51						
15	HQAM	36	0	20.24	20.36	20.19	22	2				
15	HQAM	36	20	20.22	20.26	20.15						
15	HQAM	36	38	20.09	20.29	20.18						
15	HQAM	75	0	20.26	20.26	20.22						
15	HQAM	75	0	20.45	20.58	20.45						
15	HQAM	1	37	20.52	20.69	20.51	22	2				
15	HQAM	1	74	20.44	20.47	20.39						
15	HQAM	36	0	19.23	19.37	19.25						
15	HQAM	36	20	19.15	19.17	19.20						
15	HQAM	36	38	19.24	19.37	19.30						
15	25QAM	1	0	17.42	17.46	17.43	19	5				
15	25QAM	1	37	17.40	17.52	17.43						
15	25QAM	1	74	17.42	17.46	17.43						
15	25QAM	36	0	17.14	17.33	17.18						
15	25QAM	36	20	17.14	17.27	17.05						
15	25QAM	36	38	17.25	17.13	17.20	19	5				
15	25QAM	75	0	17.26	17.21	17.19						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.13	22.44	22.31	24	0				
10	QPSK	1	25	22.31	22.32	22.31						
10	QPSK	1	48	22.13	22.31	22.20						
10	QPSK	1	74	22.31	22.32	22.31						
10	QPSK	25	12	21.19	21.24	21.19						
10	QPSK	25	25	21.19	21.14	21.20	23	1				
10	QPSK	25	38	21.14	21.07	21.09						
10	HQAM	1	0	21.87	21.78	21.83						
10	HQAM	1	25	21.82	21.82	21.44						
10	HQAM	1	48	21.47	21.67	21.59						
10	HQAM	25	0	20.28	20.28	20.21	22	2				
10	HQAM	25	12	20.22	20.41	20.12						
10	HQAM	25	25	20.07	20.31	20.14						
10	HQAM	50	0	20.38	20.25	20.22						
10	HQAM	50	0	20.50	20.57	20.53						
10	HQAM	1	0	20.49	20.58	20.42	22	2				
10	HQAM	1	48	20.45	20.54	20.50						
10	HQAM	25	0	19.21	19.33	19.21						
10	HQAM	25	12	19.22	19.20	19.14						
10	HQAM	25	25	19.20	19.25	19.11						
10	HQAM	50	0	19.15	19.25	19.05	19	5				
10	25QAM	1	0	17.51	17.46	17.42						
10	25QAM	1	25	17.41	17.46	17.40						
10	25QAM	1	48	17.38	17.43	17.35						
10	25QAM	25	0	17.22	17.28	17.20						
10	25QAM	25	12	17.17	17.16	17.07	19	5				
10	25QAM	25	25	17.22	17.15	17.15						
10	25QAM	50	0	17.24	17.22	17.22						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.33	22.47	22.37	24	0				
5	QPSK	1	12	22.30	22.25	22.15						
5	QPSK	1	24	22.09	22.24	22.13						
5	QPSK	12	0	21.28	21.46	21.47						
5	QPSK	12	7	21.16	21.27	21.25						
5	QPSK	12	13	21.20	21.22	21.19	23	1				
5	QPSK	25	0	21.16	21.49	21.23						
5	HQAM	1	0	21.62	21.69	21.63						
5	HQAM	1	12	21.48	21.59	21.52						
5	HQAM	1	24	21.46	21.64	21.61						
5	HQAM	12	0	20.24	20.31	20.26	22	2				
5	HQAM	12	7	20.25	20.35	20.14						
5	HQAM	12	13	20.05	20.31	20.14						
5	HQAM	25	0	20.25	20.28	20.18						
5	HQAM	1	0	20.32	20.62	20.49						
5	HQAM	1	12	20.47	20.58	20.43	22	2				
5	HQAM	1	24	20.37	20.47	20.47						
5	HQAM	12	0	19.26	19.37	19.21						
5	HQAM	12	7	19.18	19.14	19.12						
5	HQAM	12	13	19.24	19.37	19.04						
5	HQAM	25	0	17.45	17.45	17.35	19	5				
5	25QAM	1	12	17.39	17.40	17.39						
5	25QAM	1	24	17.37	17.42	17.43						
5	25QAM	12	0	17.15	17.33	17.17						
5	25QAM	12	7	17.09	17.18	17.06						
5	25QAM	12	13	17.21	17.13	17.09	19	5				
5	25QAM	25	0	17.30	17.20	17.24						

Band 41 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	21.86	21.71	21.58	23	0	
20	QPSK	1	48	21.70	21.60	21.63			
20	QPSK	1	96	21.60	21.62	21.60			
20	QPSK	50	0	20.80	20.81	20.87			
20	QPSK	50	24	20.75	20.66	20.76			
20	QPSK	50	48	20.85	20.86	20.82	22	1	
20	QPSK	100	0	20.80	20.78	20.82			
20	16QAM	1	0	21.12	21.06	21.13			
20	16QAM	1	48	21.06	21.00	21.15			
20									



Band 2 Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power [mW]	Power [mW]	Power [mW]	Turn-up [dB]	MPR [dB]				
Channel												
Frequency [MHz]												
20	QPSK	1	0	14.76	14.86	14.94			16.1	0		
20	QPSK	13	0	14.76	14.86	14.94						
20	QPSK	1	99	14.86	14.96	15.02			16.1	0		
20	QPSK	50	0	14.76	14.86	14.91						
20	QPSK	50	14	14.76	14.74	14.75			16.1	0		
20	QPSK	50	50	14.76	14.76	14.71						
20	QPSK	100	0	14.54	14.70	14.48			16.1	0		
20	QPSK	100	50	14.54	14.62	14.68						
20	QPSK	1	49	14.68	14.68	14.59			16.1	0		
20	QPSK	1	99	14.48	14.36	14.58						
20	QPSK	50	0	14.50	14.44	14.58			16.1	0		
20	QPSK	50	24	14.48	14.43	14.43						
20	QPSK	50	50	14.48	14.52	14.58			16.1	0		
20	QPSK	100	0	14.42	14.29	14.51						
20	QPSK	1	0	14.57	14.56	14.41			16.1	0		
20	QPSK	1	99	14.49	14.38	14.57						
20	QPSK	50	0	14.56	14.40	14.58			16.1	0		
20	QPSK	50	24	14.39	14.48	14.47						
20	QPSK	50	50	14.46	14.39	14.58			16.1	0		
20	QPSK	100	0	14.46	14.39	14.58						
20	QPSK	1	49	14.59	14.51	14.44			16.1	0		
20	QPSK	1	99	14.54	14.32	14.54						
20	QPSK	50	0	14.52	14.39	14.57			16.1	0		
20	QPSK	50	24	14.52	14.39	14.51						
20	QPSK	50	50	14.49	14.32	14.54			16.1	0		
20	QPSK	100	0	14.49	14.32	14.54						
Channel												
Frequency [MHz]												
15	QPSK	1	0	14.71	14.86	14.80			16.1	0		
15	QPSK	1	49	14.71	14.84	14.84						
15	QPSK	1	74	14.70	14.84	14.87			16.1	0		
15	QPSK	36	0	14.80	14.79	14.86						
15	QPSK	36	50	14.84	14.87	14.99			16.1	0		
15	QPSK	36	99	14.71	14.76	14.81						
15	QPSK	75	0	14.41	14.46	14.51			16.1	0		
15	QPSK	75	0	14.54	14.54	14.50						
15	QPSK	1	37	15.09	14.64	14.54			16.1	0		
15	QPSK	1	99	14.47	14.47	14.52						
15	QPSK	36	0	14.49	14.34	14.48			16.1	0		
15	QPSK	36	20	14.35	14.30	14.27						
15	QPSK	75	0	14.27	14.31	14.43			16.1	0		
15	QPSK	75	0	14.49	14.46	14.35						
15	QPSK	36	0	14.52	14.52	14.48			16.1	0		
15	QPSK	36	99	14.35	14.25	14.42						
15	QPSK	75	0	14.30	14.27	14.40			16.1	0		
15	QPSK	75	0	14.43	14.43	14.43						
15	QPSK	36	99	14.32	14.25	14.46			16.1	0		
15	QPSK	75	0	14.37	14.27	14.46						
15	QPSK	75	0	14.50	14.50	14.47			16.1	0		
15	QPSK	1	37	14.52	14.43	14.38						
15	QPSK	1	74	14.41	14.29	14.48			16.1	0		
15	QPSK	1	99	14.47	14.26	14.50						
15	QPSK	36	20	14.38	14.25	14.46			16.1	0		
15	QPSK	36	99	14.36	14.27	14.45						
Channel												
Frequency [MHz]												
10	QPSK	1	0	14.64	14.64	14.64			16.1	0		
10	QPSK	1	25	14.70	14.76	14.85						
10	QPSK	1	49	14.70	14.87	14.78			16.1	0		
10	QPSK	25	0	14.70	14.70	14.77						
10	QPSK	25	12	14.73	14.84	14.76			16.1	0		
10	QPSK	25	25	14.70	14.69	14.67						
10	QPSK	1	0	14.62	14.54	14.53			16.1	0		
10	QPSK	1	25	14.54	14.57	14.65						
10	QPSK	1	49	14.54	14.54	14.54			16.1	0		
10	QPSK	25	12	14.36	14.37	14.32						
10	QPSK	25	12	14.45	14.39	14.30			16.1	0		
10	QPSK	50	0	14.38	14.27	14.38						
10	QPSK	1	0	14.42	14.46	14.34			16.1	0		
10	QPSK	1	49	14.51	14.52	14.48						
10	QPSK	1	49	14.56	14.35	14.41			16.1	0		
10	QPSK	25	0	14.23	14.31	14.37						
10	QPSK	25	12	14.48	14.42	14.33			16.1	0		
10	QPSK	25	25	14.36	14.32	14.49						
10	QPSK	50	0	14.41	14.28	14.52			16.1	0		
10	QPSK	50	14	14.38	14.28	14.44						
10	QPSK	1	25	14.49	14.44	14.35			16.1	0		
10	QPSK	1	49	14.41	14.33	14.53						
10	QPSK	12	0	14.41	14.31	14.53			16.1	0		
10	QPSK	12	13	14.41	14.31	14.53						
10	QPSK	25	0	14.38	14.28	14.44			16.1	0		
10	QPSK	25	12	14.44	14.34	14.29						
10	QPSK	1	24	14.47	14.36	14.41			16.1	0		
10	QPSK	1	49	14.51	14.29	14.44						
10	QPSK	1	74	14.51	14.33	14.54			16.1	0		
10	QPSK	1	99	14.30	14.28	14.44						
10	QPSK	1	12	14.52	14.36	14.52			16.1	0		
10	QPSK	1	49	14.31	14.28	14.35						
10	QPSK	1	74	14.49	14.36	14.53			16.1	0		
10	QPSK	1	99	14.38	14.29	14.48						
10	QPSK	15	0	14.32	14.24	14.45			16.1	0		
10	QPSK	1	0	14.44	14.40	14.26						
10	QPSK	1	8	14.58	14.29	14.48			16.1	0		
10	QPSK	1	14	14.52	14.35	14.44						
10	QPSK	8	0	14.51	14.32	14.33			16.1	0		
10	QPSK	8	7	14.34	14.33	14.46						
10	QPSK	1	0	14.58	14.31	14.38			16.1	0		
10	QPSK	1	8	14.54	14.39	14.37						
10	QPSK	8	0	14.50	14.37	14.47			16.1	0		
10	QPSK	8	0	14.45	14.32	14.44						
10	QPSK	15	0	14.38	14.24	14.39			16.1	0		
10	QPSK	15	0	14.42	14.38	14.36						
Channel												
Frequency [MHz]												
3	QPSK	1	0	14.61	14.67	14.62			16.1	0		
3	QPSK	1	8	14.68	14.61	14.67						
3	QPSK	1	14	14.72	14.61	14.67			16.1	0		
3	QPSK	1	14	14.63	14.76	14.64						
3	QPSK	8	4	14.67	14.64	14.69			16.1	0		
3	QPSK	8	7	14.68	14.60	14.65						
3	QPSK	1	0	14.45	14.28	14.39			16.1	0		
3	QPSK	1	0	14.55	14.58	14.54						
3	QPSK	1	0	14.54	14.53	14.54			16.1	0		
3	QPSK	1	0	14.30	14.28	14.44						
3	QPSK	1	0	14.52	14.36	14.52			16.1	0		
3	QPSK	8	4	14.31	14.28	14.35						
3	QPSK	1	0	14.49	14.36	14.53			16.1	0		
3	QPSK	1	0	14.32	14.24	14.45						
3	QPSK	1	0	14.44	14.40	14.26			16.1	0		
3	QPSK	1	8	14.58	14.29	14.48						
3	QPSK	1	14	14.52	14.35	14.44			16.1	0		
3	QPSK	8	0	14.51	14.32	14.42						
3	QPSK	8	7	14.34	14.33	14.46			16.1	0		
3	QPSK	1	0	14.45	14.31	14.38						
3	QPSK	1	8	14.54	14.39	14.37						



Band 38 Ant 1										
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										
Frequency (MHz)				37465	38050	38150				
20	QPSK	1	0	19.73	19.85	19.73	20.5	0		
20	QPSK	1	49	19.80	19.89	19.82				
20	QPSK	50	0	19.86	19.98	19.86	20.5	0		
20	QPSK	50	49	19.89	19.92	19.71				
20	QPSK	50	24	19.81	19.88	19.72	20.5	0		
20	HQAM	100	0	19.76	19.80	19.80				
20	QPSK	100	0	19.43	19.64	19.43	20.5	0		
20	HQAM	1	0	19.86	19.92	19.86				
20	HQAM	1	49	19.89	19.94	19.41	20.5	0		
20	HQAM	1	99	19.96	19.99	19.42				
20	HQAM	50	24	19.39	19.38	19.56	20.5	0		
20	HQAM	50	0	19.81	19.36	19.56				
20	HQAM	50	50	19.39	19.39	19.34	20.5	0		
20	HQAM	50	50	19.55	19.55	19.28				
20	HQAM	100	0	19.36	19.39	19.49	20.5	0		
20	HQAM	100	0	19.02	19.02	19.02				
20	HQAM	1	49	19.94	19.91	19.86	20.5	0		
20	HQAM	1	99	19.91	19.41	19.41				
20	HQAM	50	0	19.30	19.30	19.46	20.5	0		
20	HQAM	50	24	19.52	19.51	19.41				
20	HQAM	50	50	19.36	19.40	19.33	20.5	0		
20	HQAM	100	0	19.41	19.38	19.32				
20	25QAM	1	0	17.79	17.85	17.83	19	1.5		
20	25QAM	1	49	17.81	17.89	17.75				
20	25QAM	1	99	17.77	17.83	17.78	19	1.5		
20	25QAM	50	24	17.52	17.56	17.40				
20	25QAM	50	50	17.60	17.55	17.51	19	1.5		
20	25QAM	100	0	17.59	17.59	17.59				
Channel										
Frequency (MHz)				37465	38050	38151	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	19.12	19.15	19.12	20.5	0		
15	QPSK	1	37	19.76	19.71	19.77				
15	QPSK	1	74	19.86	19.70	19.73	20.5	0		
15	QPSK	36	0	19.51	19.79	19.66				
15	QPSK	36	20	19.64	19.54	19.66	20.5	0		
15	QPSK	36	56	19.45	19.40	19.40				
15	QPSK	75	0	19.40	19.49	19.39	20.5	0		
15	HQAM	1	0	19.45	19.45	19.50				
15	HQAM	1	37	19.52	19.42	19.50	20.5	0		
15	HQAM	1	74	19.25	19.18	19.34				
15	HQAM	36	0	19.50	19.26	19.41	20.5	0		
15	HQAM	36	20	19.26	19.30	19.35				
15	HQAM	36	56	19.47	19.46	19.38	20.5	0		
15	HQAM	75	0	19.27	19.33	19.43				
15	HQAM	75	0	19.45	19.40	19.27	20.5	0		
15	HQAM	1	37	19.48	19.29	19.45				
15	HQAM	1	74	19.50	19.35	19.42	20.5	0		
15	HQAM	36	0	19.22	19.25	19.35				
15	HQAM	36	20	19.51	19.39	19.34	20.5	0		
15	HQAM	36	56	19.22	19.25	19.35				
15	HQAM	75	0	19.41	19.15	19.35	19	1.5		
15	25QAM	1	0	17.71	17.62	17.82				
15	25QAM	1	37	17.73	17.77	17.77	19	1.5		
15	25QAM	1	74	17.77	17.77	17.77				
15	25QAM	36	0	17.53	17.62	17.53	19	1.5		
15	25QAM	36	20	17.62	17.62	17.62				
15	25QAM	36	56	17.48	17.51	17.42	19	1.5		
15	25QAM	75	0	17.59	17.54	17.47				
Channel										
Frequency (MHz)				37465	38050	38152	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	19.58	19.64	19.70	20.5	0		
10	QPSK	1	25	19.75	19.68	19.72				
10	QPSK	1	49	19.86	19.78	19.73	20.5	0		
10	QPSK	1	74	19.88	19.80	19.68				
10	QPSK	50	0	19.48	19.68	19.68	20.5	0		
10	QPSK	50	25	19.64	19.58	19.63				
10	QPSK	50	25	19.63	19.57	19.61	20.5	0		
10	QPSK	50	50	19.52	19.51	19.51				
10	QPSK	50	0	19.41	19.51	19.33	20.5	0		
10	HQAM	1	0	19.45	19.46	19.45				
10	HQAM	1	12	19.51	19.47	19.42	20.5	0		
10	HQAM	1	49	19.23	19.20	19.33				
10	HQAM	25	0	19.46	19.21	19.46	20.5	0		
10	HQAM	25	12	19.24	19.24	19.30				
10	HQAM	25	25	19.39	19.34	19.42	20.5	0		
10	HQAM	25	25	19.37	19.43	19.42				
10	HQAM	50	0	19.36	19.37	19.40	20.5	0		
10	HQAM	50	0	19.47	19.42	19.38				
10	HQAM	1	25	19.49	19.38	19.44	20.5	0		
10	HQAM	1	49	19.55	19.35	19.43				
10	HQAM	25	0	19.26	19.27	19.37	20.5	0		
10	HQAM	25	12	19.49	19.32	19.29				
10	HQAM	25	25	19.37	19.31	19.27	20.5	0		
10	HQAM	50	0	19.35	19.39	19.34				
10	25QAM	1	0	17.66	17.66	17.66	19	1.5		
10	25QAM	1	12	17.67	17.78	17.76				
10	25QAM	1	49	17.76	17.77	17.71	19	1.5		
10	25QAM	25	0	17.54	17.66	17.53				
10	25QAM	25	12	17.51	17.47	17.52	19	1.5		
10	25QAM	25	25	17.54	17.47	17.42				
10	25QAM	50	0	17.57	17.57	17.57	19	1.5		
10	25QAM	50	25	17.54	17.47	17.48				
Channel										
Frequency (MHz)				37715	38060	38225	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	19.52	19.52	19.71	20.5	0		
5	QPSK	1	12	19.73	19.87	19.74				
5	QPSK	1	24	19.87	19.89	19.61	20.5	0		
5	QPSK	12	0	19.48	19.73	19.62				
5	QPSK	12	7	19.60	19.55	19.61	20.5	0		
5	QPSK	12	13	19.59	19.52	19.54				
5	QPSK	25	0	19.42	19.55	19.33	20.5	0		
5	HQAM	1	0	19.55	19.48	19.47				
5	HQAM	1	12	19.53	19.51	19.52	20.5	0		
5	HQAM	1	24	19.36	19.33	19.40				
5	HQAM	12	0	19.48	19.21	19.41	20.5	0		
5	HQAM	12	7	19.31	19.22	19.32				
5	HQAM	12	13	19.45	19.37	19.46	20.5	0		
5	HQAM	25	0	19.29	19.24	19.34				
5	HQAM	1	0	19.43	19.43	19.25	20.5	0		
5	HQAM	1	12	19.49	19.51	19.48				
5	HQAM	1	24	19.46	19.25	19.34	20.5	0		
5	HQAM	12	0	19.23	19.31	19.28				
5	HQAM	12	7	19.45	19.35	19.27	20.5	0		
5	HQAM	12	13	19.24	19.31	19.44				
5	HQAM	25	0	19.37	19.39	19.38	20.5	0		
5	HQAM	1	0	17.70	17.76	17.72				
5	25QAM	1	12	17.79	17.83	17.77	19	1.5		
5	25QAM	1	24	17.77	17.81	17.77				
5	25QAM	12	0	17.46	17.71	17.55	19	1.5		
5	25QAM	12	7	17.46	17.62	17.52				
5	25QAM	12	13	17.59	17.59	17.40	19	1.5		
5	25QAM	25	0	17.54	17.60	17.49				

Band 41 Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch1 / Freq	Power Ch2 / Freq	Power Ch3 / Freq	Power Ch4 / Freq	Power Ch5 / Freq	Tune-up limit (dBm)	MPR (dB)
Channel										
Frequency (MHz)				39790	40185	40620	41005	41480		
20	QPSK	1	0	19.86	19.95	19.89	19.86	19.78	20.5	0
20	QPSK	1	49	19.93	19.94	19.96	19.87	19.86		
20	QPSK	50	0	19.90	19.86	19.88	19.87	19.86	20.5	0
20	QPSK	50	49	19.73	19.84	19.82	19.74	19.83		
20	QPSK	50	24	19.80	19.73	19.79	19.88	19.72	20.5	0
20	QPSK	50	50	19.80	19.81	19.83	19.85	19.80		
20	QPSK	100	0	19.59	19.70	19.51	19.51	19.46	20.5	0
20	15QAM	1	0	19.88	19.86	19.78	19.57	19.86		
20	15QAM	50	0	19.70	19.48	19.58	19.55	19.39	20.5	0
20	15QAM	50	24	19.45	19.45	19.45	19.39	19.43		
20	15QAM	50	50	19.87	19.64	19.60	19.50	19.55	20.5	0
20	15QAM	100	0	19.46	19.50	19.42	19.42	19.42		
20	15QAM	100	0	19.46	19.58	19.48	19.39	19.39	20.5	0
20	15QAM	100	24	19.45	19.45	19.45	19.39	19.43		
20	15QAM	100	50	19.87	19.64	19.60	19.50	19.55	20.5	0
20	15QAM	200	0	19.46	19.50	19.42	19.42	19.42		
20	15QAM	200	0	19.46	19.58	19.48	19.41	19.43	20.5	0
20	15QAM	200	24	19.45	19.45	19.45	19.39	19.43		
20	15QAM	200	50	19.87	19.61	19.51	19.51	19.46	20.5	0
20	15QAM	400	0	19.46	19.58	19.48	19.41	19.43		
20	15QAM	400	24	19.45	19.45	19.45	19.39	19.43	20.5	0
20	15QAM	400	50	19.87	19.40	19.54	19.48	19.46		
20	15QAM	1000	0	19.46	19.48	19.31	19.37	19.33	19	1.5
20	25QAM	1	0	19.46	19.48	19.31	19.37	19.33		
20	25QAM	50	0	19.38	19.45	19.31	19.37	19.34	19	1.5
20	25QAM	50	49	19.40	19.39	19.29	19.29	19.36		
20	25QAM	50	24	19.40	19.34	19.34	19.34	19.34	19	1.5
20	25QAM	50	50	19.37	19.36	19.27	19.27	19.37		
20	25QAM	100	0	19.37	19.36	19.27	19.27	19.37	19	1.5
20	25QAM	100	49	19.37	19.35	19.26	19.26	19.37		
20	25QAM	100	24	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	100	50	19.37	19.35	19.26	19.26	19.37		
20	25QAM	200	0	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	200	49	19.37	19.35	19.26	19.26	19.37		
20	25QAM	200	24	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	200	50	19.37	19.35	19.26	19.26	19.37		
20	25QAM	400	0	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	400	49	19.37	19.35	19.26	19.26	19.37		
20	25QAM	400	24	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	400	50	19.37	19.35	19.26	19.26	19.37		
20	25QAM	800	0	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	800	49	19.37	19.35	19.26	19.26	19.37		
20	25QAM	800	24	19.37	19.35	19.26	19.26	19.37	19	1.5
20	25QAM	800	50	19.37	19.35	19.26	19.26	19.37		
Channel										
Frequency (MHz)				39790	40185	40620	41005	41480	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	19.78	19.94	19.82	19.78	19.71	21	0
5	QPSK	1	25	19.78	19.83	19.86	19.78	19.81		
5	QPSK	1	49	19.74	19.79	19.81	19.85	19.75	21	0
5	QPSK	1	74	19.74	19.85	19.87	19.82	19.81		
5	QPSK	12	0	19.78	19.83	19.79	19.82	19.80	20.5	0
5	QPSK	12	74	19.74	19.87	19.87	19.82	19.85		
5	QPSK	50	0	19.62	19.60	19.41	19.42	19.31	20.5	0
5	15QAM	1	0	19.57	19.51	19.58	19.48	19.59		
5	15QAM	50	0	19.43	19.53	19.43	19.47	19.40	20.5	0
5	15QAM	1	49	19.34	19.30	19.43	19.36	19.41		
5	15QAM	25	0	19.54	19.36	19.57	19.54	19.42	20.5	0
5	15QAM	25	24	19.44	19.38	19.47	19.42	19.39		
5	15QAM	25	50	19.50	19.54	19.50	19.50	19.42	20.5	0
5	15QAM	50	24	19.44	19.38	19.47	19.42	19.39		
5	15QAM	50	50	19.56	19.46	19.55	19.17	19.36	20.5	0
5	15QAM	100	0	19.48	19.35	19.50	19.40	19.47		
5	15QAM	100	24	19.48	19.42	19.42	19.42	19.39	20.5	0
5	15QAM	100	50	19.38	19.32	19.49	19.38	19.34		
5	15QAM	25	12	19.55	19.54	19.47	19.27	19.39	20.5	0
5	15QAM	25	12	19.55	19.43	19.47	19.43	19.43		
5	15QAM	50	0	19.40	19.37	19.46	19.43	19.41	20.5	0
5	15QAM	50	0	19.37	19.43	19.17	19.35	19.29		
5	25QAM	1	0	19.33	19.37	19.33	19.33	19.18	19	1.5
5	25QAM	1	49	19.38	19.35	19.26	19.26	19.26		
5	25QAM	1	74	19.33	19.37	19.33	19.33	19.18	19	1.5
5	25QAM	1	49	19.38	19.35	19.26	19.26	19.26		
5	25QAM	12	0	19.43	19.40	19.36	19.36	19.27	19	1.5
5	25QAM	12	74	19.37	19.35	19.26	19.26	19.27		
5	25QAM	25	12	19.75	19.50	19.73	19.50	19.70	19	1.5
5	25QAM	25	25	19.13	19.15	18.05	17.87	19.03		
5	25QAM	50	12	19.15	19.16	18.01	17.87	19.03	19	1.5
5	25QAM	50	12	19.15	19.16	18.01	17.87	19.03		
Channel										
Frequency (MHz)				39790	40185	40620	41005	41480	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	12	19.78	19.88	19.89	19.71	19.78	21	0
5	QPSK	1	24	19.78	19.89	19.89	19.77	19.78		
5	QPSK	12	7	19.73	19.83	19.80	19.83	19.75	20.5	0
5	QPSK	12	7	19.73	19.71	19.72	19.81	19.64		
5	QPSK	25	0	19.57	19.58	19.42	19.42	19.35	20.5	0
5	QPSK	25	0	19.50	19.58	19.42	19.40	19.36		
5	15QAM	1	0	19.65	19.48	19.57	19.45	19.56	20.5	0
5	15QAM	1	12	19.67	19.55	19.47	19.45	19.57		
5	15QAM	1	24	19.36	19.30	19.45	19.38	19.42	20.5	0
5	15QAM	12	0	19.58	19.40	19.51	19.55	19.40		
5	15QAM	12	0	19.38	19.30	19.45	19.35	19.42	20.5	0
5	15QAM	12	13	19.50	19.57	19.58	19.47	19.37		
5	15QAM	25	0	19.57	19.36	19.47	19.47	19.37	20.5	0
5	15QAM	25	0	19.60	19.51	19.40	19.17	19.26		
5	15QAM	1	12	19.50	19.33	19.54	19.48	19.45	20.5	0
5	15QAM	1	24	19.63	19.44	19.45	19.45	19.38		
5	15QAM	12	0	19.30	19.31	19.47	19.33	19.43	20.5	0
5	15QAM	12	7	19.55	19.43	19.45	19.25	19.31		
5	15QAM	12	13	19.50	19.48	19.48	19.39	19.39	20.5	0
5	15QAM	25	0	19.46	19.36	19.52	19.32	19.39		
5	15QAM	25	0	19.41	19.36	19.20	19.27	19.25	20.5	0
5	15QAM	25	12	19.48	19.32	19.47	19.27	19.35		
5	25QAM	1	12	19.28	19.34	19.18	19.22	19.18	19	1.5
5	25QAM	1	24	19.28	19.34	19.18	19.22	19.28		
5	25QAM	12	7	19.28	19.31	19.18	19.22	19.18	19	1.5
5	25QAM	12	7	19.24	19.15	19.09	19.37	19.05		
5	25QAM	12	13	19.07	19.09	18.00	17.88	19.07	19	1.5
5	25QAM	12	13	19.07	19.08	18.01	17.88	19.07		



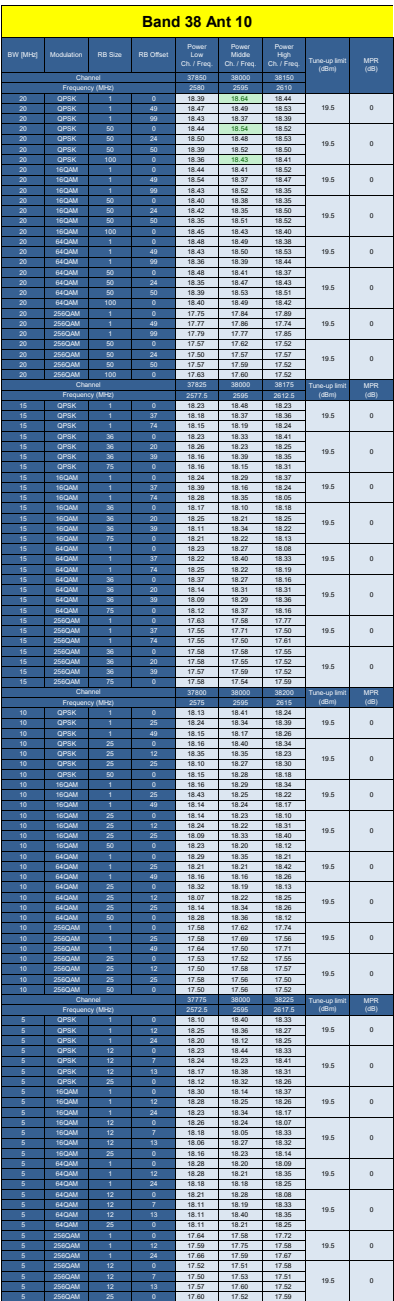
Band 38 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				37850	38050	38150			
20	QPSK	1	0	22.57	22.63	22.63	24	0	
20	QPSK	1	48	22.44	22.47	22.39			
20	QPSK	50	0	22.56	22.67	22.67			
20	QPSK	50	24	21.41	21.53	21.39			
20	QPSK	50	48	21.71	21.67	21.66	23	1	
20	QPSK	100	0	21.52	21.65	21.56			
20	16QAM	1	0	21.80	21.87	21.78			
20	16QAM	1	48	21.71	21.67	21.66			
20	16QAM	1	96	21.74	21.84	21.74	23	1	
20	16QAM	50	0	20.47	20.50	20.39			
20	16QAM	50	24	20.35	20.51	20.37			
20	16QAM	50	50	20.29	20.42	20.34			
20	16QAM	100	0	20.44	20.49	20.35	22	2	
20	16QAM	100	0	20.55	20.57	20.57			
20	16QAM	100	0	20.58	20.71	20.76			
20	16QAM	100	0	20.52	20.68	20.70			
20	64QAM	1	48	20.58	20.71	20.76	22	2	
20	64QAM	1	96	20.52	20.68	20.70			
20	64QAM	50	0	19.48	19.53	19.44			
20	64QAM	50	24	19.34	19.48	19.35			
20	64QAM	50	50	19.41	19.53	19.35	21	3	
20	64QAM	100	0	19.35	19.45	19.35			
20	64QAM	100	0	17.87	17.85	17.70			
20	256QAM	1	0	17.87	17.85	17.70			
20	256QAM	1	48	17.75	17.79	17.68	19	5	
20	256QAM	50	0	17.42	17.44	17.37			
20	256QAM	50	24	17.38	17.33	17.32			
20	256QAM	50	50	17.35	17.44	17.32			
20	256QAM	100	0	17.45	17.48	17.34	19	5	
20	256QAM	100	0	17.52	17.55	17.41			
20	256QAM	100	0	17.55	17.58	17.45			
20	256QAM	100	0	17.58	17.61	17.48			
Channel									
Frequency (MHz)				37850	38050	38150	Turn-up limit (dBm)	MFR (dB)	
15	QPSK	1	0	22.73	22.75	22.75	24	0	
15	QPSK	1	37	22.38	22.39	22.34			
15	QPSK	1	74	22.28	22.38	22.35			
15	QPSK	36	0	21.55	21.60	21.68			
15	QPSK	36	20	21.35	21.41	21.36	23	1	
15	QPSK	36	38	21.52	21.58	21.65			
15	QPSK	75	0	21.45	21.56	21.45			
15	QPSK	75	0	21.59	21.54	21.73			
15	16QAM	1	0	21.65	21.75	21.72	23	1	
15	16QAM	1	96	21.65	21.75	21.72			
15	16QAM	36	0	20.40	20.42	20.27			
15	16QAM	36	20	20.32	20.42	20.32			
15	16QAM	36	38	20.26	20.33	20.31	22	2	
15	16QAM	75	0	20.44	20.40	20.27			
15	16QAM	75	0	19.38	19.50	19.35			
15	16QAM	1	37	20.54	20.59	20.69			
15	64QAM	1	74	20.51	20.62	20.68	22	2	
15	64QAM	36	0	19.38	19.50	19.35			
15	64QAM	36	20	19.29	19.49	19.35			
15	64QAM	36	38	19.32	19.49	19.35			
15	64QAM	75	0	19.51	19.57	19.55	21	3	
15	64QAM	75	0	17.57	17.61	17.66			
15	256QAM	1	37	17.57	17.59	17.57			
15	256QAM	1	74	17.57	17.59	17.57			
15	256QAM	36	0	17.38	17.38	17.25	19	5	
15	256QAM	36	20	17.42	17.42	17.27			
15	256QAM	36	38	17.34	17.36	17.23			
15	256QAM	75	0	17.40	17.41	17.28			
Channel									
Frequency (MHz)				37850	38050	38050	Turn-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	22.61	22.61	22.61	24	0	
10	QPSK	1	25	22.28	22.34	22.34			
10	QPSK	1	48	22.30	22.45	22.28			
10	QPSK	25	0	21.52	21.64	21.64			
10	QPSK	25	12	21.32	21.44	21.37	23	1	
10	QPSK	25	25	21.30	21.29	21.32			
10	QPSK	50	0	21.56	21.64	21.64			
10	QPSK	50	0	21.78	21.67	21.67			
10	16QAM	1	0	21.78	21.67	21.67	23	1	
10	16QAM	1	25	21.61	21.80	21.65			
10	16QAM	1	48	21.71	21.79	21.72			
10	16QAM	25	0	20.46	20.49	20.34			
10	16QAM	25	12	20.38	20.44	20.35	22	2	
10	16QAM	25	25	20.38	20.33	20.38			
10	16QAM	50	0	20.41	20.45	20.35			
10	16QAM	50	0	20.52	20.67	20.65			
10	16QAM	1	48	20.58	20.65	20.62	22	2	
10	64QAM	25	0	19.44	19.43	19.30			
10	64QAM	25	12	19.42	19.40	19.29			
10	64QAM	25	25	19.42	19.40	19.29			
10	64QAM	50	0	19.31	19.34	19.20	21	3	
10	64QAM	50	0	19.31	19.34	19.20			
10	64QAM	50	0	19.31	19.34	19.20			
10	64QAM	50	0	19.31	19.34	19.20			
10	256QAM	1	25	17.53	17.63	17.47	19	5	
10	256QAM	1	48	17.53	17.63	17.47			
10	256QAM	12	0	17.37	17.33	17.28			
10	256QAM	12	7	17.38	17.32	17.25			
10	256QAM	12	13	17.37	17.38	17.29	19	5	
10	256QAM	12	19	17.37	17.42	17.37			
10	256QAM	25	0	17.40	17.35	17.33			
10	256QAM	25	0	17.47	17.42	17.37			

Band 41 Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)	
Channel												
Frequency (MHz)				39750	40185	40620	41055	41490				
15	QPSK	1	0	22.68	22.68	22.63	22.72	22.58			24	0
15	QPSK	1	48	22.57	22.65	22.63	22.60	22.44				
15	QPSK	50	0	22.50	22.40	22.55	22.63	22.58				
15	QPSK	50	24	21.68	21.61	21.81	21.75	21.65				
15	QPSK	50	24	21.60	21.56	21.72	21.58	21.44			23	1
15	QPSK	50	48	21.57	21.53	21.57	21.53	21.48				
15	QPSK	100	0	21.71	21.63	21.81	21.68	21.60				
15	16QAM	1	0	21.83	21.81	22.06	22.00	21.88				
15	16QAM	1	48	21.93	21.91	22.06	22.00	21.88			23	1
15	16QAM	50	0	20.63	20.60	20.70	20.55	20.41				
15	16QAM	50	24	20.50	20.50	20.67	20.50	20.51				
15	16QAM	50	50	20.50	20.50	20.67	20.50	20.51				
15	16QAM	100	0	20.52	20.57	20.69	20.60	20.47			22	2
15	16QAM	100	0	20.55	20.57	20.57	20.55	20.57				
15	16QAM	100	0	20.58	20.72	20.86	20.68	20.75				
15	16QAM	100	0	20.70	20.70	20.89	20.63	20.72				
15	16QAM	1	48	20.84	20.72	20.86	20.68	20.75			22	2
15	16QAM	1	96	20.70	20.70	20.89	20.63	20.72				
15	16QAM	50	0	19.35	19.05	19.71	19.54	19.45				
15	16QAM	50	24	19.47	19.55	19.57	19.42	19.38				
15	16QAM	50	50	19.49	19.62	19.52	19.45	19.34			21	3
15	16QAM	100	0	19.46	19.47	19.68	19.45	19.41				
15	256QAM	1	0	17.71	17.81	17.88	17.83	17.71				
15	256QAM	1	48	17.74	17.79	17.74	17.72	17.57				
15	256QAM	1	96	17.63	17.77	17.77	17.62	17.70			19	5
15	256QAM	50	0	17.53	17.55	17.51	17.30	17.30				
15	256QAM	50	24	17.47	17.54	17.55	17.50	17.33				
15	256QAM	100	0	17.56	17.57	17.67	17.60	17.43				
Channel												
Frequency (MHz)				39725	40173	40620	41068	41515				
15	QPSK	1	0	22.67	22.63	22.63	22.66	22.49			24	0
15	QPSK	1	37	22.45	22.56	22.59	22.55	22.35				
15	QPSK	1	74	22.49	22.49	22.53	22.43	22.31				
15	QPSK	50	0	21.58	21.48	21.74	21.64	21.54				
15	QPSK	38	20	21.63	21.53	21.68	21.42	21.33			23	1
15	QPSK	38	58	21.58	21.48	21.63	21.37	21.28				
15	QPSK	75	0	21.68	21.51	21.77	21.65	21.49				
15	16QAM	1	0	21.87	21.83	21.86	21.83	21.83				
15	16QAM	1	37	21.60	21.63	21.68	21.63	21.63			23	1
15	16QAM	1	74	21.52	21.69	22.00	21.91	21.74				
15	16QAM	38	0	20.51	20.46	20.58	20.42	20.44				
15	16QAM	38	38	20.50	20.52	20.59	20.43	20.34				
15	16QAM	38	76	20.44	20.40	20.55	20.39	20.30			22	2
15	16QAM	38	114	20.44	20.40	20.55	20.39	20.30				
15	16QAM	75	0	20.84	20.79	20.88	20.95	20.80				
15	16QAM	1	37	20.75	20.86	20.76	20.75	20.66				
15	16QAM	1	74	20.75	20.75	20.89	20.73	20.62			22	2
15	16QAM	38	0	19.47	19.52	19.60	19.52	19.38				
15	16QAM	38	38	19.39	19.50	19.47	19.29	19.34				
15	16QAM	38	76	19.39	19.39	19.39	19.39	19.39				
15	16QAM	75	0	19.41	19.44	19.54	19.43	19.35			21	3
15	256QAM	1	0	17.66	17.72	17.72	17.66	17.50				
15	256QAM	1	37	17.71	17.72	17.62	17.60	17.52				
15	256QAM	1	74	17.61	17.72	17.74	17.73	17.58				
15	256QAM	50	0	17.46	17.46	17.46	17.46	17.46			19	5
15	256QAM	38	20	17.41	17.53	17.45	17.34	17.31				
15	256QAM	38	59	17.34	17.47	17.46	17.42	17.31				
15	256QAM	75	0	17.48	17.47	17.47	17.50	17.34				
Channel												
Frequency (MHz)				39700	40160	40620	41068	41540				
15	QPSK	1	0	22.61	22.61	22.63	22.67	22.49			24	0
15	QPSK	1	25	22.49	22.52	22.52	22.50	22.41				
15	QPSK	1	49	22.49	22.54	22.54	22.54	22.41				
15	QPSK	25	0	21.57	21.53	21.74	21.63	21.59				
15	QPSK	25	12	21.47	21.44	21.67	21.51	21.59			23	1
15	QPSK	25	36	21.48	21.45	21.62	21.48	21.41				
15	QPSK	50	0	21.62	21.58	21.71	21.61	21.54				
15	16QAM	1	0	21.83	21.86	21.88	21.81	21.83				
15	16QAM	1	25	21.84	21.87	21.88	21.86	21.89			23	1
15	16QAM	1	49	21.84	21.74	22.04	21.92	21.70				
15	16QAM	25	0	20.59	20.52	20.69	20.54	20.45				
15	16QAM	25	12	20.52	20.48	20.52	20.44	20.37				
15	16QAM	25	36	20.47	20.42	20.53	20.48	20.42			22	2
15	16QAM	25	49	20.44	20.47	20.48	20.45	20.37				
15	16QAM	50	0	20.80	20.76	20.84	20.88	20.80				
15	16QAM	1	25	20.73	20.67	20.75	20.73	20.72				
15	16QAM	1	49	20.73	20.72	20.89	20.72	20.62			22	2
15	16QAM	25	0	19.52	19.55	19.57	19.47	19.41				
15	16QAM	25	12	19.43	19.42	19.44	19.37	19.27				
15	16QAM	25	36	19.48	19.43	19.48	19.41	19.28				
15	16QAM	50	0	19.40	19.45	19.61	19.32	19.30			21	3
15	16QAM	50	12	19.57	19.57	19.57	19.48	19.39				
15	256QAM	1	25	17.67	17.76	17.67	17.67	17.55				
15	256QAM	1	49	17.59	17.65	17.74	17.77	17.68				
15	256QAM	25	0	17.45	17.45	17.45	17.46	17.38			19	5
15	256QAM	25	12	17.36	17.43	17.38	17.30	17.18				
15	256QAM	25	36	17.47	17.41	17.47	17.38	17.23				
15	256QAM	50	0	17.52	17.42	17.49	17.40	17.25				
Channel												
Frequency (MHz)				39675	40140	40620	41068	41565				
5	QPSK	1	0	22.65	22.62	22.61	22.65	22.48			24	0
5	QPSK	1	12	22.48	22.56	22.57	22.49	22.33				
5	QPSK	1	24	22.47	22.54	22.54	22.54	22.41				
5	QPSK	12	0	21.61	21.57	21.79	21.65	21.43				
5	QPSK	12	7	21.55	21.43	21.59	21.52	21.42			23	1
5	QPSK	12	14	21.53	21.48	21.68	21.53	21.41				
5	QPSK	25	0	21.58	21.54	21.69	21.54	21.49				
5	16QAM	1	0	21.80	21.84	21.86	21.88	21.78				
5	16QAM	1	12	21.82	21.87	21.88	21.87	21.81			23	1
5	16QAM	1	24	21.86	21.69	22.08	21.86	21.72				
5	16QAM	12	0	20.59	20.59	20.69	20.59	20.50				
5	16QAM	12	7	20.52	20.48	20.62	20.41	20.37				
5	16QAM	12	13	20.47	20.37	20.46	20.51	20.39			22	2
5	16QAM	25	0	20.46	20.46	20.59	20.46	20.44				
5	16QAM	1	0	20.79	20.82	20.83	20.93	20.79				
5	16QAM	1	12	20.70	20.69	20.82	20.80	20.70				
5	16QAM	1	24	20.70	20.70	20.89	20.70	20.63			22	2
5	16QAM	12	0	19.56	19.59	19.62	19.44	19.42				
5	16QAM	12	7	19.59	19.59	19.64	19.35	19.35				
5	16QAM	12	13	19.49	19.49	19.43	19.41	19.28				
5	16QAM	25	0	19.43	19.44	19.57	19.39	19.29			21	3
5	256QAM	1	25	17.58	17.68	17.58	17.58	17.47				
5	256QAM	1	12	17.67	17.69	17.61	17.65	17.58				
5	256QAM	1	24	17.65	17.68	17.71	17.73	17.66				
5	256QAM	12	0	17.53	17.42	17.52	17.49	17.40			19	5
5	256QAM	12	7	17.43	17.49	17.41	17.31	17.26				
5	256QAM	12	13	17.45	17.40	17.46	17.40	17.32				
5	256QAM	25	0	17.48	17.49	17.49	17.46	17.42				

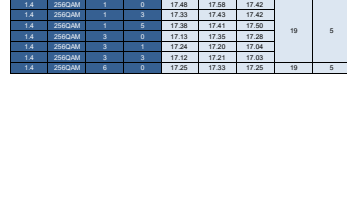


Band 38 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				37965	38000	38100	38135	24	0
20	QPSK	1	0	22.75	22.75	22.75	22.75		
20	QPSK	1	48	22.61	22.66	22.54	22.54		
20	QPSK	50	0	21.71	21.79	21.77	21.77		
20	QPSK	50	24	21.54	21.71	21.54	21.54		
20	HQAM	1	0	21.34	21.39	21.39	21.39		
20	QPSK	100	0	21.70	21.85	21.68	21.68		
20	16QAM	1	0	21.94	22.06	21.87	21.87		
20	16QAM	1	48	21.70	21.85	21.65	21.65		
20	16QAM	50	0	21.90	22.02	21.85	21.85		
20	16QAM	50	0	20.63	20.76	20.57	20.57		
20	16QAM	50	24	20.57	20.59	20.57	20.57		
20	16QAM	50	96	20.47	20.58	20.50	20.50		
20	16QAM	100	0	20.56	20.67	20.59	20.59		
20	16QAM	100	0	20.56	20.67	20.59	20.59		
20	64QAM	1	40	20.76	20.84	20.83	20.83		
20	64QAM	1	40	20.76	20.84	20.83	20.83		
20	64QAM	50	0	19.54	19.54	19.53	19.53		
20	64QAM	50	24	19.51	19.57	19.51	19.51		
20	64QAM	50	50	19.57	19.57	19.45	19.45		
20	64QAM	100	0	19.58	19.59	19.47	19.47		
20	256QAM	1	0	17.75	17.84	17.89	17.89		
20	256QAM	1	48	17.77	17.86	17.74	17.74		
20	256QAM	1	96	17.79	17.77	17.85	17.85		
20	256QAM	50	0	17.57	17.57	17.52	17.52		
20	256QAM	50	24	17.50	17.57	17.37	17.37		
20	256QAM	50	50	17.57	17.59	17.42	17.42		
20	256QAM	100	0	17.58	17.59	17.43	17.43		
Channel									
Frequency (MHz)				37925	38000	38175	38175	24	0
15	QPSK	1	0	22.72	22.69	22.72	22.72		
15	QPSK	1	37	22.89	22.61	22.43	22.43		
15	QPSK	1	74	22.36	22.86	22.46	22.46		
15	QPSK	36	0	21.61	21.69	21.61	21.61		
15	QPSK	36	20	21.43	21.69	21.45	21.45		
15	QPSK	75	0	21.62	21.77	21.65	21.65		
15	16QAM	1	0	21.34	22.05	21.94	21.94		
15	16QAM	1	37	21.51	21.59	21.59	21.59		
15	16QAM	1	74	21.51	21.58	21.84	21.84		
15	16QAM	36	0	20.58	20.71	20.46	20.46		
15	16QAM	36	20	20.53	20.56	20.40	20.40		
15	16QAM	36	36	20.37	20.52	20.40	20.40		
15	16QAM	75	0	20.57	20.56	20.50	20.50		
15	64QAM	1	0	20.50	20.50	20.50	20.50		
15	64QAM	1	37	20.59	20.84	20.81	20.81		
15	64QAM	1	74	20.51	20.84	20.81	20.81		
15	64QAM	36	0	19.54	19.59	19.53	19.53		
15	64QAM	36	20	19.50	19.54	19.41	19.41		
15	64QAM	36	36	19.50	19.54	19.38	19.38		
15	64QAM	75	0	19.54	19.57	19.44	19.44		
15	256QAM	1	0	17.49	17.62	17.63	17.63		
15	256QAM	1	37	17.75	17.84	17.83	17.83		
15	256QAM	1	74	17.72	17.76	17.77	17.77		
15	256QAM	36	0	17.52	17.55	17.52	17.52		
15	256QAM	36	20	17.43	17.54	17.36	17.36		
15	256QAM	36	36	17.49	17.52	17.37	17.37		
15	256QAM	75	0	17.50	17.52	17.50	17.50		
Channel									
Frequency (MHz)				37965	38000	38175	38175	24	0
10	QPSK	1	0	22.74	22.74	22.74	22.74		
10	QPSK	1	25	22.59	22.61	22.42	22.42		
10	QPSK	1	50	22.44	22.61	22.42	22.42		
10	QPSK	25	0	21.69	21.74	21.68	21.68		
10	QPSK	25	12	21.52	21.66	21.43	21.43		
10	QPSK	25	25	21.60	21.58	21.56	21.56		
10	QPSK	50	0	21.58	21.80	21.57	21.57		
10	16QAM	1	0	21.32	22.05	21.97	21.97		
10	16QAM	1	25	21.49	21.59	21.58	21.58		
10	16QAM	1	49	21.87	21.82	21.84	21.84		
10	16QAM	25	0	20.51	20.67	20.50	20.50		
10	16QAM	25	12	20.50	20.52	20.46	20.46		
10	16QAM	25	25	20.35	20.58	20.45	20.45		
10	16QAM	50	0	20.46	20.58	20.43	20.43		
10	64QAM	1	0	20.72	20.84	20.84	20.84		
10	64QAM	1	25	20.72	20.79	20.80	20.80		
10	64QAM	1	49	20.73	20.78	20.78	20.78		
10	64QAM	25	0	19.56	19.63	19.52	19.52		
10	64QAM	25	12	19.46	19.65	19.40	19.40		
10	64QAM	25	25	19.47	19.60	19.45	19.45		
10	64QAM	50	0	19.58	19.51	19.59	19.59		
10	64QAM	50	0	17.66	17.76	17.76	17.76		
10	256QAM	1	0	17.75	17.78	17.73	17.73		
10	256QAM	1	49	17.73	17.66	17.73	17.73		
10	256QAM	25	0	17.47	17.53	17.37	17.37		
10	256QAM	25	12	17.46	17.54	17.28	17.28		
10	256QAM	25	25	17.48	17.56	17.32	17.32		
10	256QAM	50	0	17.61	17.63	17.42	17.42		
Channel									
Frequency (MHz)				37975	38000	38225	38225	24	0
5	QPSK	1	0	22.74	22.74	22.74	22.74		
5	QPSK	1	12	22.60	22.58	22.53	22.53		
5	QPSK	1	24	22.45	22.58	22.53	22.53		
5	QPSK	12	0	21.88	21.88	21.71	21.71		
5	QPSK	12	7	21.52	21.66	21.51	21.51		
5	QPSK	12	13	21.56	21.61	21.53	21.53		
5	QPSK	25	0	21.87	21.87	21.69	21.69		
5	16QAM	1	0	21.82	21.87	21.81	21.81		
5	16QAM	1	12	21.88	21.88	21.83	21.83		
5	16QAM	1	24	21.85	22.01	21.82	21.82		
5	16QAM	12	0	20.60	20.76	20.54	20.54		
5	16QAM	12	7	20.46	20.57	20.50	20.50		
5	16QAM	12	13	20.45	20.48	20.47	20.47		
5	16QAM	25	0	20.85	20.58	20.46	20.46		
5	64QAM	1	0	20.76	20.85	20.79	20.79		
5	64QAM	1	12	20.69	20.82	20.86	20.86		
5	64QAM	1	24	20.67	20.82	20.87	20.87		
5	64QAM	12	0	19.56	19.63	19.43	19.43		
5	64QAM	12	7	19.46	19.65	19.40	19.40		
5	64QAM	12	13	19.49	19.54	19.45	19.45		
5	64QAM	25	0	19.57	19.47	19.41	19.41		
5	256QAM	1	0	17.73	17.72	17.75	17.75		
5	256QAM	1	12	17.76	17.77	17.69	17.69		
5	256QAM	1	24	17.73	17.76	17.61	17.61		
5	256QAM	12	0	17.47	17.47	17.47	17.47		
5	256QAM	12	7	17.48	17.56	17.35	17.35		
5	256QAM	12	13	17.51	17.51	17.37	17.37		
5	256QAM	25	0	17.52	17.53	17.51	17.51		

Band 41 Ant 10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel											
Frequency (MHz)				39790	40185	40620	41005	41540			
15	QPSK	1	0	23.34	23.29	23.21	23.24	23.24	23.24	24	0
15	QPSK	1	48	23.18	23.14	23.05	23.13	23.13	23.16	24	0
15	QPSK	1	96	23.17	23.03	22.97	23.04	23.03	23.06	24	0
15	QPSK	50	0	22.35	22.32	22.17	22.23	22.23	22.26	23	1
15	QPSK	50	24	22.36	22.09	22.01	22.14	22.07	22.17	23	1
15	QPSK	50	50	22.13	22.05	22.02	22.08	22.08	22.11	23	1
15	QPSK	100	0	22.34	22.21	22.15	22.23	22.17	22.23	23	1
15	16QAM	1	0	22.81	22.50	22.40	22.48	22.46	22.50	23	1
15	16QAM	1	48	22.51	22.49	22.39	22.45	22.43	22.48	23	1
15	16QAM	1	96	22.63	22.46	22.35	22.48	22.38	22.51	23	1
15	16QAM	50	0	21.25	21.13	21.13	21.20	21.20	21.23	22	2
15	16QAM	50	24	21.23	21.15	20.96	21.01	21.01	21.04	22	2
15	16QAM	50	50	21.14	21.08	20.89	20.97	20.97	21.03	22	2
15	16QAM	100	0	21.42	21.15	21.00	21.10	21.08	21.16	22	2
15	16QAM	100	48	21.25	21.42	21.37	21.45	21.45	21.52	22	2
15	16QAM	100	96	21.47	21.40	21.30	21.48	21.31	21.53	22	2
15	16QAM	50	0	20.24	20.02	19.97	20.06	19.99	20.02	21	3
15	16QAM	50	24	20.12	20.04	19.95	19.99	19.98	20.00	21	3
15	16QAM	50	50	20.03	19.93	19.83	19.91	19.89	19.93	21	3
15	16QAM	100	0	20.14	20.02	19.97	20.06	19.99	20.02	21	3
15	25QPSK	1	0	18.42	18.40	18.21	18.31	18.27	18.30	19	5
15	25QPSK	1	48	18.33	18.28	18.21	18.27	18.27	18.29	19	5
15	25QPSK	1	96	18.31	18.37	18.28	18.23	18.25	18.26	19	5
15	25QPSK	50	0	18.26	18.26	18.09	18.16	18.09	18.16	19	5
15	25QPSK	50	24	18.14	17.91	18.01	17.95	17.85	17.95	19	5
15	25QPSK	50	50	18.12	17.99	17.97	18.04	17.91	18.04	19	5
15	25QPSK	100	0	18.10	18.11	18.04	18.11	18.04	18.10	19	5
Channel											
Frequency (MHz)				39790	40185	40620	41005	41540			
15	QPSK	1	0	23.34	23.29	23.21	23.24	23.24	23.24	24	0
15	QPSK	1	48	23.18	23.14	23.05	23.13	23.13	23.16	24	0
15	QPSK	1	96	23.12	22.97	22.90	23.04	23.03	23.06	24	0
15	QPSK	50	0	22.35	22.32	22.17	22.23	22.23	22.26	23	1
15	QPSK	50	24	22.36	22.09	22.01	22.14	22.07	22.17	23	1
15	QPSK	50	50	22.13	22.05	22.02	22.08	22.08	22.11	23	1
15	QPSK	100	0	22.32	22.27	22.08	22.20	22.10	22.23	23	1
15	16QAM	1	0	22.88	22.64	22.52	22.64	22.62	22.67	23	1
15	16QAM	1	48	22.57	22.51	22.41	22.53	22.52	22.57	23	1
15	16QAM	1	96	22.68	22.56	22.45	22.58	22.56	22.61	23	1
15	16QAM	50	0	21.23	21.09	20.99	21.16	21.06	21.16	22	2
15	16QAM	50	24	21.13	21.08	20.89	20.97	20.97	21.03	22	2
15	16QAM	50	50	21.03	20.97	20.80	20.92	20.91	20.96	22	2
15	16QAM	100	0	21.42	21.15	21.00	21.10	21.08	21.16	22	2
15	16QAM	100	48	21.25	21.42	21.31	21.51	21.38	21.56	22	2
15	16QAM	100	96	21.48	21.41	21.31	21.51	21.38	21.56	22	2
15	16QAM	50	0	20.25	20.04	19.99	20.06	20.03	20.06	21	3
15	16QAM	50	24	20.14	20.02	19.93	19.91	19.89	19.93	21	3
15	16QAM	50	50	20.04	19.94	19.84	19.91	19.89	19.93	21	3
15	16QAM	100	0	20.14	20.02	19.97	20.06	20.03	20.06	21	3
15	25QPSK	1	0	18.42	18.40	18.21	18.31	18.27	18.30	19	5
15	25QPSK	1	48	18.33	18.28	18.21	18.27	18.27	18.29	19	5
15	25QPSK	1	96	18.34	18.34	18.11	18.22	18.16	18.22	19	5
15	25QPSK	50	0	18.28	18.28	18.24	18.18	18.15	18.15	19	5
15	25QPSK	50	24	18.17	17.97	18.06	17.90	17.82	17.93	19	5
15	25QPSK	50	50	18.07	17.81	17.90	17.91	17.79	17.89	19	5
15	25QPSK	50	96	18.05	17.83	17.89	17.94	17.84	17.99	19	5
15	25QPSK	100	0	18.08	18.01	17.97	18.04	17.90	18.03	19	5
Channel											
Frequency (MHz)				39790	40185	40620	41005	41540			
5	QPSK	1	0	23.34	23.29	23.21	23.24	23.24	23.24	24	0
5	QPSK	1	25	23.19	23.10	23.05	23.11	23.11	23.13	24	0
5	QPSK	1	50	23.17	23.02	22.97	23.04	23.03	23.06	24	0
5	QPSK	25	0	22.30	22.25	22.09	22.17	22.17	22.20	23	1
5	QPSK	25	12	22.31	22.00	21.92	22.04	21.96	22.04	23	1
5	QPSK	25	25	22.04	21.92	21.84	21.93	21.85	21.93	23	1
5	QPSK	50	0	22.38	22.08	22.11	22.18	22.02	22.12	23	1
5	16QAM	1	0	22.53	22.40	22.32	22.41	22.36	22.40	23	1
5	16QAM	1	25	22.49	22.38	22.30	22.39	22.36	22.39	23	1
5	16QAM	1	50	22.60	22.41	22.30	22.44	22.29	22.41	23	1
5	16QAM	25	0	21.20	21.02	20.99	21.16	21.02	21.12	22	2
5	16QAM	25	12	21.11	21.05	20.86	21.03	20.89	21.03	22	2
5	16QAM	25	25	21.03	21.05	20.76	20.88	20.69	20.88	22	2
5	16QAM	50	0	21.43	21.04	20.98	21.10	21.00	21.02	22	2
5	16QAM	50	1	21.43	21.31	21.28	21.35	21.31	21.41	22	2
5	16QAM	1	25	21.35	21.36	21.07	21.37	21.25	21.41	22	2
5	16QAM	1	50	21.34	21.31	21.07	21.37	21.24	21.41	22	2
5	16QAM	25	0	20.19	20.04	20.03	20.05	19.96	20.02	21	3
5	16QAM	25	12	20.08	19.94	19.87	19.99	19.84	19.94	21	3
5	16QAM	25	25	20.08	19.97	19.86	19.91	19.79	19.96	21	3
5	16QAM	50	0	20.10	19.98	19.83	20.00	19.81	19.91	21	3
5	16QAM	50	1	20.10	19.98	19.83	20.00	19.81	19.91	21	3
5	25QPSK	1	25	18.30	18.22	18.08	18.15	18.11	18.15	19	5
5	25QPSK	1	49	18.18	18.24	18.20	18.13	18.22	18.22	19	5
5	25QPSK	25	0	18.18	18.18	17.97	18.06	17.90	18.06	19	5
5	25QPSK	25	12	18.04	17.87	17.83	17.86	17.72	17.82	19	5
5	25QPSK	25	25	17.88	17.88	17.84	17.86	17.79	17.85	19	5
5	25QPSK	50	0	18.05	18.04	17.82	17.90	17.76	17.88	19	5
Channel											
Frequency (MHz)				39790	40185	40620	41005	41540			
5	QPSK	1	0	23.34	23.29	23.21	23.24	23.24	23.24	24	0
5	QPSK	1	12	23.02	23.03	22.97	23.03	23.03	23.05	24	0
5	QPSK	1	25	23.00	22.99	22.92	22.99	22.99	23.01	24	0
5	QPSK	12	0	22.38	22.24	22.04	22.12	22.04	22.14	23	1
5	QPSK	12	7	22.37	21.98	21.89	22.07	22.01	22.08	23	1
5	QPSK	12	14	22.36	22.01	21.89	22.03	21.96	22.03	23	1
5	QPSK	25	0	22.32	22.07	22.04	22.12	22.01	22.08	23	1
5	16QAM	1	0	22.89	22.69	22.58	22.74	22.56	22.69	23	1
5	16QAM	1	12	22.87	22.78	22.67	22.83	22.67	22.80	23	1
5	16QAM	1	24	22.60	22.53	22.24	22.43	22.28	22.36	23	1
5	16QAM	12	0	21.27	21.07	20.97	21.14	21.07	21.17	22	2
5	16QAM	12	7	21.13	21.07	20.85	21.07	20.93	21.05	22	2
5	16QAM	12	14	21.03	20.96	20.85	20.99	20.86	20.96	22	2
5	16QAM	25	0	20.25	20.06	19.99	20.06	19.96	20.06	21	3
5	16QAM	25	1	21.46	21.37	21.30	21.37	21.36	21.42	22	2
5	16QAM	1	12	21.45	21.32	21.16	21.29	21.28	21.34	22	2
5	16QAM	1	24	21.29	21.34	21.16	21.34	21.21	21.37	22	2
5	16QAM	12	0	20.20	19.98	20.05	20.02	19.96	20.02	21	3
5	16QAM	12	7	20.09	19.93	19.88	19.91	19.75	19.91	21	3
5	16QAM	12	14	20.09	19.97	19.80	19.91	19.74	19.91	21	3
5	16QAM	25	13	20.04	19.93	19.86	19.96	19.85	19.93	21	3
5	25QPSK	1	25	18.37	18.35	18.17	18.24	18.17	18.24	19	5
5	25QPSK	12	7	18.33	18.14	18.08	18.16	18.17	18.21	19	5
5	25QPSK	1	24	18.22	18.31	18.25	18.12	18.17	18.17	19	5
5	25QPSK	12	15	18.04	17.98	17.87	17.92	17.82	17.92	19	5
5	25QPSK	12	7	18.08	17.84	17.88	17.87	17.83	17.85	19	5
5	25QPSK	12	13	18.02	17.86	17.85	17.91	17.79	17.85	19	5



Band 41 HPUE Ant 10											
RF [MHz]	Modulation	RIS Size	RIS Offset	Power Low Ch. [dBm]	Power Low Med. Ch. [dBm]	Power Med. Ch. [dBm]	Power High Med. Ch. [dBm]	Power High Ch. [dBm]	Turn-up time (min)	MPR (dB)	
Channel											
Frequency (MHz)	0	0	0	39750	40185	40500	41055	41600			
20	QPSK	1	0	15.00	25.65	25.65	25.65	25.65			
20	QPSK	1	49	15.25	15.37	15.37	15.37	15.37	21.1	0	
20	QPSK	1	99	15.24	15.34	15.31	15.35	15.25			
20	QPSK	50	0	15.33	15.27	15.33	15.33	15.29			
20	QPSK	50	24	15.21	15.21	15.36	15.26	15.21	21.1	0	
20	QPSK	50	50	15.34	15.23	15.25	15.25	15.25			
20	QPSK	50	99	15.33	15.23	15.33	15.33	15.25			
20	16QAM	1	0	15.22	15.24	15.20	15.34	15.35			
20	16QAM	1	49	15.25	15.35	15.35	15.35	15.31	21.1	0	
20	16QAM	1	99	15.23	15.35	15.31	15.32	15.31			
20	16QAM	50	0	15.36	15.31	15.32	15.35	15.23			
20	16QAM	50	24	15.33	15.33	15.35	15.25	15.24	21.1	0	
20	16QAM	50	50	15.20	15.32	15.27	15.24	15.21			
20	16QAM	100	0	15.25	15.27	15.33	15.35	15.24			
20	16QAM	100	24	15.26	15.27	15.33	15.35	15.24			
20	16QAM	1	49	15.23	15.38	15.20	15.30	15.28	21.1	0	
20	16QAM	1	99	15.27	15.38	15.36	15.35	15.36			
20	16QAM	50	50	15.35	15.20	15.31	15.27	15.31			
20	16QAM	50	24	15.22	15.23	15.38	15.25	15.29	21.1	0	
20	16QAM	50	99	15.20	15.25	15.35	15.35	15.35			
20	16QAM	100	0	15.25	15.35	15.30	15.37	15.23			
20	256QAM	1	0	15.31	15.25	15.15	15.20	15.17	20	1.1	
20	256QAM	1	49	15.21	15.14	15.05	15.15	15.11			
20	256QAM	1	99	15.26	15.20	15.13	15.07	15.15			
20	256QAM	50	0	15.15	15.03	15.01	15.01	15.04			
20	256QAM	50	24	15.13	15.05	15.05	15.05	15.19	20	1.1	
20	256QAM	50	50	15.09	15.08	15.04	15.04	15.05			
20	256QAM	100	0	15.09	15.05	15.05	15.05	15.05			
Channel											
Frequency (MHz)	0	0	0	39750	40175	40500	41058	41515	Turn-up time (min)	MPR (dB)	
15	QPSK	1	0	25.13	24.43	24.43	24.74	24.67			
15	QPSK	1	49	25.13	24.43	24.43	24.74	24.67	21.1	0	
15	QPSK	1	99	15.20	15.40	15.11	15.33	15.27			
15	QPSK	1	74	15.20	15.25	15.30	15.30	15.16			
15	QPSK	25	0	15.31	15.25	15.30	15.31	15.27			
15	QPSK	25	24	15.24	15.30	15.41	15.32	15.27	21.1	0	
15	QPSK	25	99	15.31	15.25	15.22	15.30	15.25			
15	QPSK	50	0	15.27	15.25	15.22	15.30	15.25			
15	16QAM	1	0	15.27	15.20	15.11	15.35	15.25			
15	16QAM	1	49	15.25	15.33	15.33	15.33	15.15	21.1	0	
15	16QAM	1	74	15.41	15.38	15.20	15.27	15.35			
15	16QAM	25	0	15.34	15.29	15.36	15.31	15.25			
15	16QAM	25	24	15.27	15.30	15.41	15.32	15.27	21.1	0	
15	16QAM	25	99	15.41	15.31	15.28	15.27	15.24			
15	16QAM	50	0	15.29	15.31	15.26	15.36	15.26			
15	16QAM	50	24	15.17	15.36	15.19	15.30	15.20			
15	16QAM	1	49	15.15	15.20	15.18	15.38	15.23	21.1	0	
15	16QAM	1	74	15.29	15.31	15.26	15.31	15.43			
15	16QAM	25	0	15.25	15.15	15.32	15.33	15.36			
15	16QAM	25	24	15.25	15.31	15.42	15.25	15.23	21.1	0	
15	16QAM	25	99	15.25	15.31	15.32	15.30	15.30			
15	16QAM	50	0	15.24	15.42	15.34	15.33	15.18			
15	256QAM	1	0	15.15	15.00	15.07	15.06	15.04			
15	256QAM	1	49	15.06	14.99	15.01	15.01	15.05	20	1.1	
15	256QAM	1	74	15.14	15.13	15.00	15.06	15.03			
15	256QAM	25	0	15.04	15.02	15.01	15.02	15.09			
15	256QAM	25	24	15.05	15.03	15.05	15.05	15.08			
15	256QAM	25	99	15.07	15.04	15.03	15.03	15.05			
15	256QAM	50	0	15.03	15.03	15.03	15.03	15.05			
15	256QAM	50	24	15.04	15.04	15.03	15.03	15.05	20	1.1	
15	256QAM	50	99	15.05	15.05	15.05	15.05	15.05			
Channel											
Frequency (MHz)	0	0	0	39750	40160	40500	41050	41500	Turn-up time (min)	MPR (dB)	
15	QPSK	1	0	15.13	15.20	15.29	15.23	15.37			
15	QPSK	1	25	15.31	15.34	15.28	15.33	15.30	21	0	
15	QPSK	1	49	15.20	15.31	15.31	15.29	15.29			
15	QPSK	25	0	15.40	15.18	15.25	15.30	15.15			
15	QPSK	25	12	15.22	15.31	15.30	15.24	15.14	21.1	0	
15	QPSK	25	24	15.22	15.15	15.37	15.31	15.17			
15	QPSK	50	0	15.42	15.33	15.23	15.17	15.22			
15	16QAM	1	0	15.16	15.18	15.14	15.35	15.27			
15	16QAM	1	25	15.25	15.25	15.30	15.30	15.15	21.1	0	
15	16QAM	1	49	15.23	15.39	15.41	15.28	15.31			
15	16QAM	25	0	15.38	15.23	15.41	15.45	15.14			
15	16QAM	25	12	15.44	15.44	15.44	15.38	15.22			
15	16QAM	25	24	15.10	15.24	15.35	15.15	15.19	21.1	0	
15	16QAM	25	99	15.29	15.24	15.39	15.39	15.24			
15	16QAM	1	49	15.24	15.21	15.22	15.34	15.42			
15	16QAM	1	25	15.16	15.31	15.17	15.24	15.27			
15	16QAM	25	0	15.13	15.43	15.43	15.32	15.23	21.1	0	
15	16QAM	25	12	15.43	15.10	15.38	15.38	15.26			
15	16QAM	25	24	15.26	15.17	15.34	15.16	15.30	21.1	0	
15	16QAM	25	99	15.24	15.25	15.29	15.30	15.29			
15	16QAM	50	0	15.28	15.43	15.21	15.38	15.28			
15	16QAM	1	25	15.13	15.09	15.19	15.40	15.43			
15	16QAM	1	25	15.06	15.01	15.01	15.01	15.05	20	1.1	
15	256QAM	1	49	15.01	15.15	15.05	15.05	15.02			
15	256QAM	1	25	15.03	15.15	15.05	15.05	15.05			
15	256QAM	25	12	15.79	15.56	15.59	15.79	15.60			
15	256QAM	25	24	15.84	15.77	15.55	15.63	15.64	20	1.1	
15	256QAM	25	99	15.84	15.77	15.55	15.63	15.61			
Channel											
Frequency (MHz)	0	0	0	39675	40148	40500	41050	41500	Turn-up time (min)	MPR (dB)	
15	QPSK	1	12	15.21	15.37	15.16	15.23	15.14			
15	QPSK	1	24	15.24	15.34	15.13	15.31	15.16	21.1	0	
15	QPSK	12	7	15.30	15.15	15.20	15.30	15.33			
15	QPSK	12	7	15.15	15.25	15.31	15.25	15.20			
15	QPSK	25	13	15.22	15.24	15.33	15.31	15.16	21.1	0	
15	QPSK	25	0	15.35	15.39	15.27	15.14	15.24			
15	16QAM	1	12	15.22	15.18	15.21	15.44	15.30			
15	16QAM	1	24	15.27	15.24	15.33	15.31	15.16	21.1	0	
15	16QAM	1	24	15.27	15.39	15.35	15.38	15.40			
15	16QAM	12	7	15.29	15.32	15.31	15.33	15.17			
15	16QAM	12	7	15.24	15.32	15.31	15.33	15.16	21.1	0	
15	16QAM	12	13	15.27	15.35	15.37	15.30	15.28			
15	16QAM	25	13	15.37	15.32	15.32	15.32	15.25			
15	16QAM	1	12	15.25	15.37	15.24	15.20	15.19	21.1	0	
15	16QAM	1	24	15.32	15.32	15.32	15.32	15.27			
15	16QAM	12	0	15.37	15.21	15.18	15.28	15.31			
15	16QAM	12	7	15.13	15.25	15.42	15.34	15.25			
15	16QAM	25	13	15.16	15.34	15.24	15.19	15.24	21.1	0	
15	16QAM	25	0	15.33	15.42	15.26	15.45	15.25			
15	16QAM	25	13	15.11	15.16	15.06	15.06	15.05			
15	256QAM	1	12	15.05	15.07	15.04	15.07	15.02	20	1.1	
15	256QAM	1	24	15.12	15.05	15.07	15.02	15.02			
15	256QAM	1	24	15.03	15.07	15.06	15.12	15.04	20	1.1	
15	256QAM	12	7	15.08	15.15	15.05	15.05	15.02			
15	256QAM	12	13	15.16	15.12	15.06	15.10	15.01			





Band 38 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				37965	38050	38135			
20	QPSK	1	0	22.75	22.75	22.75		24	0
20	QPSK	1	48	22.81	22.86	22.94			
20	QPSK	50	0	22.46	22.51	22.61			
20	QPSK	50	0	21.71	21.79	21.77			
20	QPSK	50	24	21.54	21.71	21.54		23	1
20	QPSK	50	48	21.34	21.59	21.65			
20	QPSK	100	0	21.70	21.85	21.66			
20	QPSK	100	1	0	21.94	22.06	22.06	23	1
20	QPSK	100	1	48	21.94	22.06	22.06		
20	QPSK	100	1	96	21.90	22.02	21.87		
20	QPSK	100	24	20.53	20.76	20.87			
20	QPSK	50	24	20.57	20.68	20.67		22	2
20	QPSK	50	50	20.47	20.59	20.50			
20	QPSK	100	0	20.56	20.67	20.50			
20	QPSK	100	1	0	20.51	20.55	20.55		
20	QPSK	100	1	48	20.76	20.84	20.89	22	2
20	QPSK	100	1	96	20.75	20.89	20.86		
20	QPSK	50	0	19.54	19.54	19.53			
20	QPSK	50	24	19.51	19.57	19.51			
20	QPSK	50	50	19.57	19.57	19.45		21	3
20	QPSK	100	0	19.58	19.59	19.47			
20	QPSK	100	1	0	17.75	17.84	17.89		
20	QPSK	100	1	48	17.77	17.86	17.74	19	5
20	QPSK	100	1	96	17.79	17.77	17.85		
20	QPSK	50	0	17.57	17.62	17.62			
20	QPSK	50	24	17.50	17.57	17.37		19	5
20	QPSK	50	50	17.57	17.59	17.42			
20	QPSK	100	0	17.57	17.59	17.42			
Channel									
Frequency (MHz)				37925	38005	38175	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	0	22.72	22.69	22.72			
15	QPSK	1	37	22.89	22.81	22.43	24	0	
15	QPSK	1	74	22.36	22.86	22.46			
15	QPSK	36	0	21.61	21.69	21.61			
15	QPSK	36	20	21.43	21.69	21.45	23	1	
15	QPSK	36	38	21.67	21.67	21.65			
15	QPSK	75	0	21.62	21.77	21.65			
15	QPSK	100	0	21.94	22.05	21.94			
15	QPSK	100	1	0	21.91	21.99	21.92	23	1
15	QPSK	100	1	74	21.91	21.98	21.84		
15	QPSK	100	36	0	20.58	20.71	20.46		
15	QPSK	100	36	20	20.53	20.56	20.50	22	2
15	QPSK	100	36	39	20.37	20.52	20.40		
15	QPSK	75	0	20.57	20.56	20.50			
15	QPSK	75	0	20.50	20.50	20.50			
15	QPSK	100	1	37	20.59	20.84	20.81	22	2
15	QPSK	100	74	20.51	20.84	20.81			
15	QPSK	36	0	19.54	19.59	19.54			
15	QPSK	36	20	19.50	19.54	19.41	21	3	
15	QPSK	75	0	19.54	19.57	19.44			
15	QPSK	75	0	19.47	19.49	19.45			
15	QPSK	100	1	0	17.69	17.62	17.63	19	5
15	QPSK	100	1	48	17.69	17.62	17.53		
15	QPSK	100	1	96	17.56	17.52	17.50		
Channel									
Frequency (MHz)				25175	25255	25375	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	22.58	22.61	22.42	24	0	
10	QPSK	1	48	22.38	22.60	22.47			
10	QPSK	1	96	22.36	22.59	22.45			
10	QPSK	25	12	21.52	21.66	21.43	23	1	
10	QPSK	25	25	21.60	21.58	21.56			
10	QPSK	50	0	21.82	22.06	21.87			
10	QPSK	50	1	0	21.82	22.06	21.87	23	1
10	QPSK	50	1	25	21.91	21.83	21.88		
10	QPSK	100	1	48	21.87	21.82	21.84		
10	QPSK	25	0	20.51	20.67	20.50			
10	QPSK	25	12	20.50	20.52	20.46	22	2	
10	QPSK	25	25	20.50	20.58	20.44			
10	QPSK	50	0	20.46	20.58	20.43			
10	QPSK	50	1	0	20.52	20.54	20.46		
10	QPSK	50	1	25	20.72	20.51	20.80	22	2
10	QPSK	100	1	48	20.72	20.79	20.76		
10	QPSK	25	0	19.56	19.63	19.52			
10	QPSK	25	12	19.46	19.65	19.40	21	3	
10	QPSK	25	25	19.47	19.49	19.45			
10	QPSK	50	0	19.58	19.51	19.59			
10	QPSK	50	1	0	17.66	17.76	17.76		
10	QPSK	100	1	25	17.75	17.76	17.75	19	5
10	QPSK	100	1	48	17.73	17.66	17.73		
10	QPSK	25	0	17.48	17.51	17.41			
10	QPSK	25	12	17.46	17.54	17.36	19	5	
10	QPSK	25	25	17.48	17.55	17.32			
10	QPSK	50	0	17.61	17.63	17.42			

Band 41 Ant 10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel											
Frequency (MHz)				39795	40185	40620	41005	41480			
20	QPSK	1	0	23.34	23.29	23.21	23.24	23.14	24	0	
20	QPSK	1	48	23.18	23.14	23.05	23.13	23.06			
20	QPSK	1	96	23.17	23.02	22.97	23.04	23.01			
20	QPSK	50	0	22.35	22.32	22.17	22.23	22.25	23	1	
20	QPSK	50	24	22.36	22.09	22.01	22.14	22.07			
20	QPSK	50	48	22.13	22.05	22.02	22.08	22.10			
20	QPSK	100	0	22.34	22.21	22.15	22.23	22.13			
20	16QAM	1	0	22.81	22.50	22.40	22.48	22.46	23	1	
20	16QAM	1	48	22.51	22.49	22.59	22.45	22.38			
20	16QAM	1	96	22.63	22.46	22.35	22.48	22.38			
20	16QAM	50	0	21.25	21.13	21.13	21.26	21.07	22	2	
20	16QAM	50	24	21.52	21.42	21.51	21.45	21.41			
20	16QAM	50	50	21.14	21.08	20.89	20.97	21.05			
20	16QAM	100	0	21.42	21.15	21.00	21.20	21.05			
20	16QAM	100	1	0	21.52	21.42	21.57	21.45	24	2	
20	16QAM	100	1	48	21.47	21.40	21.50	21.48	24	2	
20	16QAM	100	1	96	21.35	21.43	21.31	21.33			
20	16QAM	50	0	20.23	20.08	20.09	20.08	20.05	21	3	
20	16QAM	50	24	20.12	20.04	19.95	19.99	19.88			
20	16QAM	50	50	20.13	20.03	20.03	19.97	19.89			
20	16QAM	100	0	20.14	20.02	19.97	20.00	19.89			
20	256QAM	1	0	18.42	18.40	18.21	18.31	18.27	19	5	
20	256QAM	1	48	18.33	18.30	18.21	18.27	18.30			
20	256QAM	1	96	18.31	18.30	18.18	18.23	18.25			
20	256QAM	50	0	18.30	18.09	18.02	18.08	17.99	23	1	
20	256QAM	50	24	18.14	17.91	18.01	17.98	17.89			
20	256QAM	50	50	18.10	17.89	17.87	18.04	17.81			
20	256QAM	100	0	18.14	18.11	18.00	18.15	17.95			
Channel											
Frequency (MHz)				39725	40173	40620	41008	41515			
15	QPSK	1	0	23.29	23.13	23.13	23.16	23.12	24	0	
15	QPSK	1	37	23.03	23.09	23.01	23.01	22.88			
15	QPSK	1	74	23.12	22.97	22.88	22.84	22.88	24	0	
15	QPSK	36	0	22.28	22.31	22.07	22.28	22.20			
15	QPSK	36	20	22.15	22.03	21.89	22.03	22.03	23	1	
15	QPSK	36	38	22.03	22.03	22.03	22.03	22.03			
15	QPSK	75	0	22.22	22.07	22.08	22.20	22.00			
15	16QAM	1	0	22.58	22.44	22.32	22.44	22.42	23	1	
15	16QAM	1	37	22.51	22.44	22.38	22.38	22.32			
15	16QAM	1	74	22.58	22.36	22.22	22.45	22.47	22	2	
15	16QAM	36	0	21.23	21.09	20.99	21.16	20.95			
15	16QAM	36	20	21.13	21.02	20.95	21.00	21.00	22	2	
15	16QAM	36	39	21.03	20.97	20.80	20.92	21.00			
15	16QAM	75	0	20.88	21.10	20.95	21.00	21.01			
15	16QAM	75	0	21.47	21.31	21.31	21.32	21.38	22	2	
15	16QAM	100	1	37	21.38	21.27	21.06	21.27	21.18		
15	16QAM	100	74	21.35	21.40	21.17	21.16	21.20			
15	16QAM	36	0	20.26	20.54	19.99	20.50	20.01	21	3	
15	16QAM	36	20	20.36	19.92	19.83	19.81	19.86			
15	16QAM	36	38	20.11	19.92	19.83	19.83	19.83			
15	16QAM	75	0	20.02	19.88	19.87	20.01	19.81			
15	256QAM	1	0	18.31	18.30	18.17	18.25	18.25	19	5	
15	256QAM	1	74	18.34	18.07	18.18	18.27	18.18			
15	256QAM	1	74	18.28	18.30	18.24	18.15	18.15			
15	256QAM	36	0	18.07	17.87	17.80	17.91	17.79	23	1	
15	256QAM	36	20	18.00	17.83	17.89	17.84	17.89	19	5	
15	256QAM	36	38	18.05	17.88	17.81	18.00	17.83			
Channel											
Frequency (MHz)				39700	40160	40620	41008	41540			
10	QPSK	1	0	23.11	22.95	22.93	23.01	22.95	24	0	
10	QPSK	1	25	23.10	23.10	22.95	23.11	22.93			
10	QPSK	1	49	23.09	22.94	22.89	22.96	22.96			
10	QPSK	25	0	22.30	22.29	22.03	22.11	22.03	24	0	
10	QPSK	25	12	22.31	22.00	21.92	22.04	21.96			
10	QPSK	25	37	22.04	22.02	21.87	22.00	21.93	23	1	
10	QPSK	50	0	22.28	22.08	22.11	22.18	22.02			
10	16QAM	1	0	22.53	22.44	22.37	22.41	22.36	23	1	
10	16QAM	1	25	22.49	22.38	22.32	22.38	22.32			
10	16QAM	1	49	22.60	22.41	22.30	22.44	22.29			
10	16QAM	25	0	21.20	21.02	20.99	21.16	20.92	22	2	
10	16QAM	25	12	21.11	21.05	20.96	21.03	21.03			
10	16QAM	25	37	21.03	21.05	20.76	20.88	20.89	22	2	
10	16QAM	50	0	21.54	21.48	21.48	21.59	21.42			
10	16QAM	50	0	21.43	21.31	21.28	21.35	21.41			
10	16QAM	1	25	21.35	21.36	21.07	21.37	21.21	22	2	
10	16QAM	1	49	21.34	21.31	21.07	21.37	21.24			
10	16QAM	25	0	20.19	20.04	20.03	19.95	20.02	21	3	
10	16QAM	25	12	20.08	19.94	19.87	19.99	19.84			
10	16QAM	25	37	20.08	19.97	19.86	19.91	19.78			
10	16QAM	50	0	20.10	19.98	19.83	20.00	19.81			
10	16QAM	50	0	20.52	20.36	20.31	20.48	20.33			
10	256QAM	1	25	18.20	18.22	18.08	18.15	18.11	19	5	
10	256QAM	1	49	18.18	18.24	18.20	18.13	18.22			
10	256QAM	25	0	18.16	18.08	17.97	18.08	17.98	23	1	
10	256QAM	25	12	18.04	17.87	17.83	17.88	17.82			
10	256QAM	25	37	17.88	17.88	17.84	17.96	17.79	19	5	
10	256QAM	50	0	18.05	18.04	17.89	18.02	17.86			
Channel											
Frequency (MHz)				39675	40140	40620	41008	41565			
5	QPSK	1	0	23.26	23.20	23.08	23.16	23.06	24	0	
5	QPSK	1	12	23.02	23.03	22.97	23.03	22.85			
5	QPSK	1	25	23.01	23.01	22.92	23.00	22.86	24	0	
5	QPSK	12	0	22.28	22.24	22.04	22.12	22.14			
5	QPSK	12	7	22.27	21.98	21.89	22.07	22.01	23	1	
5	QPSK	25	0	22.06	22.01	21.87	22.00	21.96			
5	QPSK	25	0	22.32	22.07	22.04	22.12	22.01			
5	16QAM	1	0	22.59	22.39	22.28	22.34	22.25	23	1	
5	16QAM	1	12	22.58	22.38	22.29	22.34	22.28			
5	16QAM	1	24	22.60	22.33	22.24	22.43	22.28			
5	16QAM	12	0	21.27	21.02	20.95	21.10	20.97	22	2	
5	16QAM	12	7	21.13	21.07	20.85	21.07	20.93			
5	16QAM	12	13	21.03	20.96	20.85	20.99	20.86			
5	16QAM	25	0	21.03	21.00	20.82	21.00	20.86			
5	16QAM	1	0	21.46	21.37	21.30	21.37	21.36	22	2	
5	16QAM	1	12	21.45	21.32	21.16	21.29	21.28			
5	16QAM	1	24	21.29	21.14	21.02	21.14	21.21			
5	16QAM	12	0	20.20	19.98	20.05	20.02	19.96			
5	16QAM	12	7	20.09	19.93	19.88	19.91	19.76			
5	16QAM	12	13	20.09	19.97	20.01	19.94	19.77	21	3	
5	16QAM	25	0	20.04	19.93	19.86	19.95	19.85			
5	256QAM	1	0	18.37	18.35	18.17	18.28	18.23	19	5	
5	256QAM	1	12	18.33	18.14	18.08	18.16	18.17			
5	256QAM	1	24	18.22	18.31	18.25	18.12	18.17			
5	256QAM	12	0	18.04	17.98	17.87	17.92	17.82	23	1	
5	256QAM	12	7	18.08	17.84	17.88	17.87	17.83			
5	256QAM	12	13	18.02	17.86	17.85	17.91	17.85			



Reduced Power Mode for EIRL Other PA

Band 2 Ant 0											
RF MHz	Modulation	RB Size	RB Offset	Power Ch./Frac.	Power Ch./Frac.	Power Ch./Frac.	Turn-on (dB)	MFR (dB)			
Channel Frequency (MHz)											
20	QPSK	1	0	21.21	21.29	21.22					
20	QPSK	1	69	21.23	21.24	21.23	22.3	0			
20	QPSK	1	99	21.15	21.26	21.22					
20	QPSK	50	0	21.07	21.20	21.17					
20	QPSK	50	24	21.16	21.09	21.12	22.3	0			
20	QPSK	50	8	21.15	21.11	21.06					
20	QPSK	100	0	20.94	21.03	20.99					
20	QPSK	1	6	20.99	21.00	20.98					
20	QPSK	1	69	20.94	21.02	20.99	22.3	0			
20	QPSK	1	99	20.89	21.19	20.86					
20	QPSK	50	0	20.45	20.56	20.50					
20	QPSK	50	24	20.45	20.56	20.48	22	0.3			
20	QPSK	50	99	20.46	20.51	20.55					
20	QPSK	1	0	20.45	20.56	20.50					
20	QPSK	1	0	20.68	20.79	20.69					
20	QPSK	1	69	20.58	20.74	20.63	22	0.3			
20	QPSK	1	6	20.59	20.67	20.62					
20	QPSK	50	0	19.94	19.95	19.97					
20	QPSK	50	24	19.45	19.80	19.63					
20	QPSK	50	99	19.45	19.80	19.63	21	1.3			
20	QPSK	1	0	19.51	19.83	19.54					
20	QPSK	1	0	17.65	17.68	17.65					
20	QPSK	1	6	17.58	17.67	17.56	19	3.3			
20	QPSK	1	99	17.58	17.62	17.62					
20	QPSK	50	0	17.60	17.63	17.59					
20	QPSK	50	24	17.60	17.63	17.60					
20	QPSK	50	99	17.50	17.60	17.54	19				
20	QPSK	100	0	17.62	17.61	17.52					
Channel Frequency (MHz)											
15	QPSK	1	0	21.07	21.16	21.11					
15	QPSK	1	69	21.14	21.12	21.23	22.3	0			
15	QPSK	1	74	21.06	21.11	21.11					
15	QPSK	36	0	21.02	21.06	21.04					
15	QPSK	36	24	21.02	21.06	21.04					
15	QPSK	36	99	21.01	21.01	20.93	22.3	0			
15	QPSK	75	0	20.89	20.96	20.84					
15	QPSK	75	24	20.87	20.99	20.88					
15	QPSK	1	37	20.81	20.92	20.89	22.3	0			
15	QPSK	1	74	20.79	21.06	20.78					
15	QPSK	36	0	20.87	20.99	20.88					
15	QPSK	36	20	20.42	20.42	20.36	22	0.3			
15	QPSK	36	99	20.33	20.40	20.49					
15	QPSK	75	0	20.84	20.92	20.84					
15	QPSK	1	0	20.82	20.89	20.57					
15	QPSK	1	37	20.45	20.67	20.56	22	0.3			
15	QPSK	1	74	20.54	20.61	20.61					
15	QPSK	36	0	19.43	19.59	19.52					
15	QPSK	36	20	19.36	19.43	19.42	21	1.3			
15	QPSK	36	99	19.33	19.43	19.46					
15	QPSK	75	0	19.43	19.53	19.48					
15	QPSK	1	0	17.54	17.62	17.58					
15	QPSK	1	69	17.58	17.69	17.58	19	3.3			
15	QPSK	1	74	17.63	17.67	17.58					
15	QPSK	36	0	17.57	17.68	17.55					
15	QPSK	36	24	17.57	17.61	17.57					
15	QPSK	36	99	17.44	17.64	17.49	19	3.3			
15	QPSK	75	0	17.47	17.62	17.49					
15	QPSK	75	24	17.47	17.54	17.44					
15	QPSK	75	99	17.42	17.54	17.44					
Channel Frequency (MHz)											
5	QPSK	1	0	21.09	21.21	21.22					
5	QPSK	1	69	21.13	21.19	21.26	22.3	0			
5	QPSK	1	24	21.10	21.16	21.10					
5	QPSK	12	0	20.98	21.12	21.08					
5	QPSK	12	24	21.11	20.98	20.97					
5	QPSK	12	99	21.06	21.01	20.99	22.3	0			
5	QPSK	25	0	20.93	20.89	20.84					
5	QPSK	25	24	20.94	20.91	20.92					
5	QPSK	1	12	20.88	20.87	20.82	22.3	0			
5	QPSK	1	24	20.68	21.11	20.71					
5	QPSK	12	0	20.42	20.58	20.54					
5	QPSK	12	7	20.33	20.53	20.49	22	0.3			
5	QPSK	12	99	20.41	20.44	20.52					
5	QPSK	25	0	20.48	20.52	20.40					
5	QPSK	25	0	20.55	20.75	20.58					
5	QPSK	1	12	20.49	20.62	20.59	22	0.3			
5	QPSK	1	24	20.44	20.59	20.41					
5	QPSK	12	0	19.42	19.55	19.55					
5	QPSK	12	7	19.36	19.53	19.46	21	1.3			
5	QPSK	12	99	19.36	19.58	19.43					
5	QPSK	25	0	19.40	19.52	19.44					
5	QPSK	25	12	19.35	19.58	19.43					
5	QPSK	50	12	17.39	17.44	17.33	19	3.3			
5	QPSK	50	24	17.56	17.41	17.38					
5	QPSK	50	99	17.42	17.48	17.39	19	3.3			
5	QPSK	12	13	17.39	17.56	17.45					
5	QPSK	25	0	17.42	17.52	17.42					
5	QPSK	25	12	17.42	17.48	17.46					
5	QPSK	25	99	17.47	17.47	17.47					
Channel Frequency (MHz)											
3	QPSK	1	0	21.11	21.20	21.20					
3	QPSK	1	69	21.14	21.16	21.26	22.3	0			
3	QPSK	1	14	21.10	21.14	21.21					
3	QPSK	8	0	21.01	21.06	21.02					
3	QPSK	8	4	21.09	21.02	21.01	22.3	0			
3	QPSK	8	19	21.06	20.98	20.97					
3	QPSK	16	0	20.89	20.94	20.81					
3	QPSK	16	0	20.88	20.91	20.80					
3	QPSK	16	20	20.79	20.94	20.83	22.3	0			
3	QPSK	1	14	20.79	20.94	20.72					
3	QPSK	8	0	20.43	20.54	20.49					
3	QPSK	8	4	20.34	20.45	20.43	22	0.3			
3	QPSK	8	7	20.41	20.45	20.42					
3	QPSK	8	20	20.47	20.51	20.47					
3	QPSK	16	0	19.94	20.78	20.69					
3	QPSK	1	8	20.49	20.66	20.61	22	0.3			
3	QPSK	1	14	20.45	20.61	20.56					
3	QPSK	8	0	19.49	19.93	19.54					
3	QPSK	8	4	19.34	19.54	19.39	21	1.3			
3	QPSK	8	7	19.35	19.48	19.37					
3	QPSK	8	20	19.45	19.57	19.50					
3	QPSK	1	0	17.66	17.64	17.54					
3	QPSK	1	69	17.68	17.68	17.68	19	3.3			
3	QPSK	1	14	17.68	17.68	17.68					
3	QPSK	8	0	17.66	17.60	17.61					
3	QPSK	8	7	17.65	17.58	17.62	19	3.3			
3	QPSK	8	20	17.47	17.53	17.47					
Channel Frequency (MHz)											
1.4	QPSK	1	0	21.18	21.15	21.18					
1.4	QPSK	1	69	21.21	21.17	21.26	22.3	0			
1.4	QPSK	1	5	21.07	21.10	21.10					
1.4	QPSK	3	0	20.97	21.06	21.01					
1.4	QPSK	3	1	21.06	20.94	20.97					
1.4	QPSK	3	3	21.07	21.05	20.97					
1.4	QPSK	1	0	20.79	20.89	20.84	22.3	0			
1.4	QPSK	1	69	20.82	20.95	20.87					
1.4	QPSK	1	3	20.89	20.85	20.88					
1.4	QPSK	1	5	20.72	21.04	20.72	22.3	0			
1.4	QPSK	3	0	20.83	20.91	20.86					
1.4	QPSK	3	3	20.81	20.86	20.83					
1.4	QPSK	1	0	20.67	21.04	20.63					
1.4	QPSK	1	69	20.63	20.98	20.64	22	0.3			
1.4	QPSK	1	3	20.63	20.71	20.58					
1.4	QPSK	3	0	20.53	20.64	20.52					
1.4	QPSK	3	1	20.40	20.67	20.36	22	0.3			
1.4	QPSK	3	3	20.32	20.51	20.17					
1.4	QPSK	1	0	19.40	19.80	19.41	21	1.3			
1.4	QPSK	1	0	17.69	17.61	17.61					
1.4	QPSK	1	69	17.68	17.68	17.68	19	3.3			
1.4	QPSK	1	5	17.61	17.63	17.57					
1.4	QPSK	3	0	17.65	17.62	17.62					
1.4	QPSK	3	1	17.59	17.64	17.43					
1.4	QPSK	3	3	17.42	17.48	17.43					



Band 38 Ant 0												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Turn-up time (dBm)	MFR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	22.48	22.50	22.47	24	0				
20	QPSK	1	48	22.40	22.31	22.30						
20	QPSK	1	88	22.51	22.38	22.37						
20	QPSK	50	0	21.41	21.54	21.52						
20	QPSK	50	24	21.26	21.38	21.33						
20	QPSK	50	48	21.51	21.78	21.81	23	1				
20	HQAM	1	0	21.46	21.54	21.53						
20	HQAM	1	48	21.69	21.78	21.69						
20	HQAM	1	96	21.34	20.45	20.38						
20	HQAM	50	24	20.34	20.45	20.32						
20	HQAM	50	48	20.34	20.45	20.38	22	2				
20	HQAM	100	0	20.36	20.58	20.56						
20	HQAM	100	0	20.58	20.57	20.55						
20	HQAM	1	48	20.57	20.65	20.56						
20	HQAM	1	96	20.51	20.61	20.55						
20	HQAM	50	0	19.34	19.42	19.33	21	3				
20	HQAM	50	24	19.27	19.28	19.26						
20	HQAM	50	50	19.28	19.29	19.26						
20	HQAM	100	0	19.21	19.31	19.17						
20	HQAM	100	0	19.21	19.31	19.17						
20	25QAM	1	0	17.52	17.60	17.53	19	5				
20	25QAM	1	48	17.51	17.59	17.46						
20	25QAM	1	96	17.51	17.59	17.55						
20	25QAM	50	24	17.25	17.25	17.17						
20	25QAM	50	50	17.30	17.28	17.24						
20	25QAM	100	0	17.27	17.28	17.24	23	1				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.13	22.42	22.28				24	0	
15	QPSK	1	37	22.28	22.18	22.18						
15	QPSK	1	74	22.59	22.33	22.12						
15	QPSK	36	0	21.34	21.42	21.37						
15	QPSK	36	20	21.14	21.24	21.17						
15	QPSK	36	38	21.38	21.39	21.35	23	1				
15	QPSK	75	0	21.38	21.39	21.35						
15	HQAM	1	0	21.55	21.66	21.61						
15	HQAM	1	37	21.55	21.67	21.64						
15	HQAM	1	74	21.54	21.72	21.51						
15	HQAM	36	0	20.24	20.36	20.19	22	2				
15	HQAM	36	20	20.22	20.26	20.15						
15	HQAM	36	38	20.09	20.29	20.18						
15	HQAM	75	0	20.26	20.26	20.22						
15	HQAM	75	0	19.23	19.37	19.26						
15	HQAM	1	37	20.52	20.69	20.51	22	2				
15	HQAM	1	74	20.44	20.47	20.39						
15	HQAM	36	0	19.23	19.37	19.25						
15	HQAM	36	20	19.15	19.17	19.20						
15	HQAM	36	38	19.23	19.37	19.26						
15	25QAM	1	0	17.52	17.52	17.52	19	5				
15	25QAM	1	37	17.52	17.52	17.52						
15	25QAM	1	74	17.42	17.46	17.43						
15	25QAM	36	0	17.15	17.33	17.18						
15	25QAM	36	20	17.14	17.27	17.05						
15	25QAM	36	38	17.25	17.13	17.20	19	5				
15	25QAM	75	0	17.26	17.21	17.19						
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.13	22.42	22.28	24	0				
10	QPSK	1	25	22.31	22.32	22.31						
10	QPSK	1	48	22.13	22.31	22.20						
10	QPSK	25	0	21.31	21.45	21.43						
10	QPSK	25	12	21.19	21.24	21.19						
10	QPSK	25	25	21.19	21.14	21.20	23	1				
10	QPSK	50	0	21.34	21.39	21.26						
10	HQAM	1	0	21.57	21.70	21.53						
10	HQAM	1	25	21.57	21.69	21.50						
10	HQAM	1	48	21.47	21.67	21.69						
10	HQAM	25	0	20.28	20.28	20.21	22	2				
10	HQAM	25	12	20.22	20.41	20.12						
10	HQAM	25	25	20.07	20.31	20.14						
10	HQAM	50	0	20.38	20.25	20.22						
10	HQAM	50	0	20.30	20.37	20.30						
10	HQAM	1	0	20.50	20.57	20.33	22	2				
10	HQAM	1	25	20.49	20.56	20.42						
10	HQAM	25	0	19.20	19.32	19.20						
10	HQAM	25	12	19.22	19.20	19.14						
10	HQAM	25	25	19.20	19.25	19.11						
10	HQAM	50	0	19.15	19.25	19.03	19	5				
10	25QAM	1	0	17.51	17.46	17.43						
10	25QAM	1	25	17.41	17.46	17.40						
10	25QAM	1	48	17.38	17.43	17.39						
10	25QAM	25	0	17.22	17.28	17.22						
10	25QAM	25	12	17.17	17.16	17.07	19	5				
10	25QAM	25	25	17.22	17.15	17.19						
10	25QAM	50	0	17.24	17.22	17.22						
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.33	22.47	22.37	24	0				
5	QPSK	1	12	22.30	22.25	22.15						
5	QPSK	1	24	22.09	22.24	22.13						
5	QPSK	12	0	21.28	21.46	21.47						
5	QPSK	12	7	21.16	21.27	21.25						
5	QPSK	12	13	21.20	21.22	21.19	23	1				
5	QPSK	25	0	21.16	21.49	21.23						
5	HQAM	1	0	21.62	21.69	21.63						
5	HQAM	1	12	21.48	21.59	21.52						
5	HQAM	1	24	21.46	21.64	21.61						
5	HQAM	12	0	20.24	20.31	20.26	22	2				
5	HQAM	12	7	20.25	20.35	20.14						
5	HQAM	12	13	20.05	20.31	20.14						
5	HQAM	25	0	20.25	20.28	20.18						
5	HQAM	1	0	20.32	20.62	20.49						
5	HQAM	1	12	20.47	20.58	20.43	22	2				
5	HQAM	1	24	20.37	20.47	20.47						
5	HQAM	12	0	19.26	19.37	19.21						
5	HQAM	12	7	19.18	19.14	19.12						
5	HQAM	12	13	19.23	19.22	19.19						
5	HQAM	25	0	17.14	17.37	17.04	19	5				
5	HQAM	25	0	17.45	17.45	17.45						
5	25QAM	1	12	17.39	17.40	17.39						
5	25QAM	1	24	17.37	17.42	17.43						
5	25QAM	12	0	17.15	17.33	17.17						
5	25QAM	12	7	17.09	17.18	17.06	19	5				
5	25QAM	12	13	17.21	17.13	17.09						
5	25QAM	25	0	17.30	17.20	17.24						

Band 41 Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MFR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	21.86	21.71	21.58	21.70	21.84	21.82	23	0
20	QPSK	1	48	21.70	21.60	21.63	21.63	21.73	21.81		
20	QPSK	1	88	21.60	21.62	21.68	21.62	21.69	21.68		
20	QPSK	50	0	20.80	20.78	20.85	20.79	20.88	20.88		
20	QPSK	50	24	20.75	20.66	20.76	20.67	20.79	20.68		
20	QPSK	50	48	20.65	20.66	20.67	20.67	20.70	20.68	22	1
20	QPSK	100	0	20.80	20.78	20.82	20.80	20.86	20.86		
20	16QAM	1	0	21.12	21.06	21.13	21.10	21.16	21.12		
20	16QAM	1	48	21.06	21.01	21.07	21.03	21.12	21.12	22	1
20	16QAM	1	88	21.11	21.03	21.04	21.10	21.08	21.05		
20	16QAM	50	0	19.75	19.64	19.74	19.67	19.80	19.77		
20	16QAM	50	24	19.70	19.58	19.70	19.58	19.70	19.67	21	2
20	16QAM	50	48	19.64	19.68	19.62	19.77	19.66	19.77		
20	16QAM	100	0	19.75	19.62	19.76	19.76	19.74	19.74		
20	16QAM	100	0	19.70	19.58	19.69	19.69	19.70	19.69	21	2
20	16QAM	100	24	19.65	19.52	19.65	19.65	19.66	19.65		
20	16QAM	100	48	19.60	19.50	19.63	19.60	19.60	19.55		
20	256QAM	1	0	19.60	19.56	19.60	19.56	19.60	19.55	20	3
20	256QAM	1	48	19.55	19.56	19.60	19.55	19.59	19.55		
20	256QAM	1	88	19.50	19.50	19.54	19.54	19.54	19.54		
20	256QAM	1	49	20.00	19.92	19.93	20.00	19.93	19.93	20	3
20	256QAM	1	89	19.95	19.86	19.91	19.95	19.86	19.91		
20	256QAM	1	129	19.90	19.82	19.87	19.90	19.82	19.87		
20	256QAM	1	169	19.85	19.76	19.81	19.85	19.76	19.81	20	3
20	256QAM	1	209	19.80	19.70	19.75	19.80	19.70	19.75		
20	256QAM	1	249	19.75	19.65	19.70	19.75	19.65	19.70		
20	256QAM	1	289	19.70	19.60	19.65	19.70	19.60	19.65	20	3
20	256QAM	1	329	19.65	19.55	19.60	19.65	19.55	19.60		
20	256QAM	1	369	19.60	19.50	19.55	19.64	19.54	19.59		
20	256QAM	1	409	19.55	19.45	19.50	19.55	19.45	19.50	20	3
20	256QAM	1	449	19.50	19.40	19.45	19.50	19.40	19.45		
20	256QAM	1	489	19.45	19.35	19.40	19.45	19.35	19.40		
20	256QAM	1	529	19.40	19.30	19.35	19.40	19.30	19.35	20	3
20	256QAM	1	569	19.35	19.25	19.30	19.35	19.25	19.30		
20	256QAM	1	609	19.30	19.20	19.25	19.30	19.20	19.25		
20	256QAM	1	649	19.25	19.15	19.20	19.25	19.15	19.20	20	3
20	256QAM	1	689	19.20	19.10	19.15	19.20	19.10	19.15		
20	256QAM	1	729	19.15	19.05	19.10	19.15	19.05	19.10		
20	256QAM	1	769	19.10	19.00	19.05	19.10	19.00	19.05	20	3
20	256QAM	1	809	19.05	18.95	19.00	19.05	18.95	19.00		
20	256QAM	1	849	19.00	18.90	18.95	19.00	18.90	18.95		
20	256QAM	1	889	18.95	18.85	18.90	18.95	18.85	18.90	20	3
20	256QAM	1	929	18.90	18.80	18.85	18.90	18.80	18.85		
20	256QAM	1	969	18.85	18.75	18.80	18.85	18.75	18.80		
20	256QAM	1	1009	18.80	18.70	18.75	18.80	18.70	18.75	20	3
20	256QAM	1	1049	18.75	18.65	18.70	18.75	18.65	18.70		
20	256QAM	1	1089	18.70	18.60	18.65	18.70	18.60	18.65		
20	256QAM	1	1129	18.65	18.55	18.60	18.65	18.55	18.60	20	3
20	256QAM	1	1169	18.60	18.50	18.55	18.60	18.50	18.55		
20	256QAM	1	1209	18.55	18.45	18.50	18.55	18.45	18.50		
20	256QAM	1	1249	18.50	18.40	18.45	18.50	18.40	18.45	20	3
20	256QAM	1	1289	18.45	18.35	18.40	18.45	18.35	18.40		
20	256QAM	1	1329	18.40	18.30	18.35	18.40	18.30	18.35		
20	256QAM	1	1369	18.35	18.25	18.30	18.35	18.25	18.30	20	3
20	256QAM	1	1409	18.30	18.20	18.25	18.30	18.20	18.25		
20	256QAM	1	1449	18.25	18.15	18.20	18.25	18.15	18.20		
20	256QAM	1	1489	18.20	18.10	18.15	18.20	18.10	18.15	20	3
20	256QAM	1	1529	18.15	18.05	18.10	18.15	18.05	18.10		
20	256QAM	1	1569	18.10	18.00	18.05	18.10	18.00	18.05		
20	256QAM	1	1609	18.05	17.95	18.00	18.05	17.95	18.00	20	3
20	256QAM	1	1649	18.00	17.90	17.95	18.00	17.90	17.95		
20	256QAM	1	1689	17.95	17.85	17.90	17.95	17.85	17.90		
20	256QAM	1	1729	17.90	17.80	17.85	17.90	17.80	17.85	20	3
20	256QAM	1	1769	17.85	17.75	17.80	17.85	17.75	17.80		
20	256QAM	1	1809	17.80	17.70	17.75	17.80	17.70	17.75		
20	256QAM	1	1849	17.75	17.65	17.70	17.75	17.65	17.70	20	3
20	256QAM	1	1889	17.70	17.60	17.65	17.70	17.60	17.65		
20	256QAM	1	1929	17.65	17.55	17.60	17.65	17.55	17.60		
20	256QAM	1	1969	17.60	17.50	17.55	17.60	17.50	17.55	20	3
20	256QAM	1	2009	17.55	17.45	17.50	17.55	17.45	17.50		
20	256QAM	1	2049	17.50	17.40	17.45	17.50	17.40	17.45		
20	256QAM	1	2089	17.45	17.35	17.40	17.45	17.35	17.40	20	3
20	256QAM	1	2129	17.40	17.30	17.35	17.40	17.30	17.35		
20	256QAM	1	2169	17.35	17.25	17.30	17.35	17.25	17.30		
20	256QAM	1	2209	17.30	17.20	17.25	17.30	17.20	17.25	20	3
20	256QAM	1	2249	17.25	17.15	17.20	17.25	17.15	17.20		
20	256QAM	1	2289	17.20	17.10	17.15	17.20	17.10	17.15		
20	256QAM	1	2329	17.15	17.05	17.10	17.15	17.05	17.10	20	3
20	256QAM	1	2369	17.10	17.00	17.05	17.10	17.00	17.05		
20	256QAM	1	2409	17.05	16.95	17.00	17.05	16.95	17.00		
20	256QAM	1	2449	17.00	16.90	16.95	17.00	16.90	16.95	20	3
20	256QAM	1	2489	16.95	16.85	16.90	16.95	16.85	16.90		
20	256QAM	1	2529	16.90	16.80	16.85	16.90	16.80	16.85		
20	256QAM	1	2569	16.85	16.75	16.80	16.85	16.75	16.80	20	3
20	256QAM	1	2609	16.80	16.70	16.75	16.80	16.70	16.75		
20	256QAM	1	2649	16.75	16.65	16.70	16.75	16.65	16.70		
20	256QAM	1	2689	16.70	16.60	16.65	16.70	16.60	16.65	20	3
20	256QAM	1	2729	16.65	16.55	16.60	16.65	16.55	16.60		
20	256QAM	1	2769	16.60	16.50	16.55	16.60	16.50	16.55		
20	256QAM	1	2809	16.55	16.45	16.50	16.55	16.45	16.50	20	3
20	256QAM	1	2849	16.50	16.40	16.45	16.50	16.40	16.45		
20	256QAM	1	2889	16.45	16.35	16.40	16.45	16.35	16.40		
20	256QAM	1	2929	16.40	16.30	16.35	16.40	16.30	16.35	20	3
20	256QAM	1	2969	16.35	16.25	16.30	16.35	16.25	16.30		
20	256QAM	1	3009	16.30	16.20	16.25	16.30	16.20	16.25		
20	256QAM	1	3049	16.25	16.15	16.20	16.25	16.15	16.20	20	3
20	256QAM	1	3089	16.20	16.10	16.15	16.20	16.10	16.15		
20	256QAM	1	3129	16.15	16.05	16.10	16.15	16.05	16.10		
20	256QAM	1	3169	16.10	16.00	16.05	16.10	16.00	16.05	20	3
20	256QAM	1	3209	16.05	15.95	16.00	16.05	15.95	16.00		
20	256QAM	1	3249	16.00	15.90	15.95	16.00	15.90	15.95		
20	256QAM	1	3289	15.95	15.85	15.90	15.95	15.85	15.90	20	3
20	256QAM	1	3329	15.90	15.80	15.85	15.90	15.80	15.85		
20	256QAM	1	3369	15.85	15.75	15.80	15.85	15.75	15.80		
20	256QAM	1	3409	15.80	15.70	15.75	15.80	15.70	15.75	20	3
20	256QAM	1	3449	15.75	15.65	15.70	15.75	15.65	15.70		
20	256QAM	1	3489	15.70	15.60	15.65	15.70	15.60	15.65		
20	256QAM	1	3529	15.65	15.55	15.60	15.65	15.55	15.60	20	3
20	256QAM	1	3569	15.60	15.50	15.55	15.60	15.50	15.55		
20	256QAM	1	3609	15.55	15.45	15.50	15.55	15.45	15.50		
20	256QAM	1	3649	15.50	15.40	15.45	15.50	15.40	15.45	20	3
20	256QAM	1	3689	15.45	15.35	15.40	15.45	15.35	15.40		
20	256QAM	1	3729	15.40	15.30	15.35	15.40	15.30	15.35		
20	256QAM	1	3769	15.35	15.25	15.30	15.35	15.25	15.30	20	3
20	256QAM	1	3809	15.30	15.20	15.25	15.30	15.20	15.25		
20	256QAM	1	3849	15.25	15.15	15.20	15.25	15.15	15.20		
20	256QAM	1	3889	15.20	15.10	15.15	15.20	15.10	15.15	20	3
20	256QAM	1	3929	15.15	15.05	15.10	15.15	15.05	15.10		
20	256QAM	1	3969	15.10	15.00	15.05	15.10	15.00	15.05		
20	256QAM	1	4009	15.05	14.95	15.00	15.05	14.95	15.00	20	3
20	256QAM										