



Band 2_Ant 0																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)								
Channel																
Frequency (MHz)																
20	QPSK	1	0	23.09	23.33	23.12	24.5	0								
20	QPSK	1	49	23.21	23.38	23.29										
20	QPSK	1	99	23.02	23.04	23.36										
20	QPSK	50	0	22.25	22.63	22.62	23.5	1								
20	QPSK	50	24	22.24	22.46	22.59										
20	QPSK	50	50	22.16	22.43	22.59										
20	QPSK	100	0	21.25	21.25	21.74	23.5	1								
20	16QAM	1	0	22.12	22.17	22.19										
20	16QAM	1	49	22.62	23.05	23.03										
20	16QAM	1	99	22.36	22.20	22.78	22.5	2								
20	16QAM	50	0	21.25	21.41	21.66										
20	16QAM	50	24	21.25	21.45	21.64										
20	16QAM	50	50	21.23	21.45	21.66	21.5	3								
20	16QAM	100	0	21.25	21.36	21.74										
20	64QAM	1	0	21.15	21.18	21.36										
20	64QAM	1	49	21.68	21.83	21.79	22.5	2								
20	64QAM	1	99	21.23	21.25	21.50										
20	64QAM	50	0	20.19	20.54	20.74										
20	64QAM	50	24	20.25	20.50	20.68	21.5	3								
20	64QAM	50	50	20.14	20.50	20.59										
20	64QAM	100	0	20.18	20.47	20.70										
Channel																
Frequency (MHz)																
15	QPSK	1	0	22.68	22.85	22.93	24.5	0								
15	QPSK	1	37	22.93	22.89	22.95										
15	QPSK	1	74	22.68	22.83	22.92										
15	QPSK	36	0	21.79	22.00	22.26	23.5	1								
15	QPSK	36	20	21.83	22.06	22.29										
15	QPSK	36	39	21.80	21.99	22.31										
15	QPSK	75	0	21.80	22.03	22.28	23.5	1								
15	16QAM	1	0	21.96	22.14	22.29										
15	16QAM	1	37	22.25	22.43	22.62										
15	16QAM	1	74	21.98	22.11	22.29	22.5	2								
15	16QAM	36	0	20.78	21.00	21.26										
15	16QAM	36	20	20.82	21.05	21.28										
15	16QAM	36	39	20.76	20.98	21.22	22.5	2								
15	16QAM	75	0	20.81	21.04	21.29										
15	64QAM	1	0	20.86	21.04	21.20										
15	64QAM	1	37	21.12	21.27	21.41	22.5	2								
15	64QAM	1	74	20.85	21.01	21.26										
15	64QAM	36	0	19.82	20.04	20.24										
15	64QAM	36	20	19.87	20.09	20.26	21.5	3								
15	64QAM	36	39	19.78	20.03	20.23										
15	64QAM	75	0	19.80	20.04	20.20										
Channel																
Frequency (MHz)																
10	QPSK	1	0	22.72	22.92	22.92	24.5	0								
10	QPSK	1	25	22.79	22.95	22.95										
10	QPSK	1	49	22.75	22.92	22.93										
10	QPSK	25	0	21.76	22.02	22.28	23.5	1								
10	QPSK	25	12	21.80	21.99	22.28										
10	QPSK	25	25	21.75	22.05	22.32										
10	QPSK	50	0	21.76	22.03	22.28	23.5	1								
10	16QAM	1	0	22.03	22.24	22.40										
10	16QAM	1	25	22.11	22.24	22.54										
10	16QAM	1	49	22.00	22.21	22.41	22.5	2								
10	16QAM	25	0	20.79	21.03	21.27										
10	16QAM	25	12	20.82	21.09	21.29										
10	16QAM	25	25	20.77	21.06	21.33	22.5	2								
10	16QAM	50	0	20.76	21.04	21.28										
10	64QAM	1	0	20.87	21.08	21.34										
10	64QAM	1	25	21.04	21.19	21.47	22.5	2								
10	64QAM	1	49	20.90	21.15	21.31										
10	64QAM	25	0	19.79	20.01	20.19										
10	64QAM	25	12	19.82	20.03	20.23	21.5	3								
10	64QAM	25	25	19.76	20.05	20.23										
10	64QAM	50	0	19.79	20.02	20.20										
Channel																
Frequency (MHz)																
5	QPSK	1	0	22.62	22.81	22.93	24.5	0								
5	QPSK	1	12	22.91	22.92	22.95										
5	QPSK	1	24	22.58	22.85	22.93										
5	QPSK	12	0	21.74	21.99	22.24	23.5	1								
5	QPSK	12	7	21.85	22.06	22.33										
5	QPSK	12	13	21.75	21.99	22.26										
5	QPSK	25	0	21.76	22.00	22.28	23.5	1								
5	16QAM	1	0	21.90	22.17	22.35										
5	16QAM	1	12	22.23	22.45	22.64										
5	16QAM	1	24	21.85	22.12	22.31	22.5	2								
5	16QAM	12	0	20.74	20.99	21.24										
5	16QAM	12	7	20.82	21.05	21.31										
5	16QAM	12	13	20.73	20.98	21.22	22.5	2								
5	16QAM	25	0	20.74	21.00	21.28										
5	64QAM	1	0	20.83	21.04	21.27										
5	64QAM	1	12	21.09	21.27	21.58	22.5	2								
5	64QAM	1	24	20.77	20.99	21.21										
5	64QAM	12	0	19.79	20.02	20.21										
5	64QAM	12	7	19.90	20.13	20.32	21.5	3								
5	64QAM	12	13	19.79	20.03	20.20										
5	64QAM	25	0	19.78	20.03	20.23										
Channel																
Frequency (MHz)																
3	QPSK	1	0	22.72	22.97	22.93	24.5	0								
3	QPSK	1	8	22.72	22.95	22.95										
3	QPSK	1	14	22.70	22.94	22.91										
3	QPSK	8	0	21.78	22.01	22.28	23.5	1								
3	QPSK	8	4	21.81	22.06	22.34										
3	QPSK	8	7	21.81	22.03	22.28										
3	QPSK	15	0	21.77	22.03	22.28	23.5	1								
3	16QAM	1	0	22.02	22.28	22.48										
3	16QAM	1	8	22.00	22.28	22.46										
3	16QAM	1	14	22.01	22.28	22.46	22.5	2								
3	16QAM	8	0	20.84	21.09	21.35										
3	16QAM	8	4	20.90	21.12	21.35										
3	16QAM	8	7	20.83	21.08	21.31	21.5	3								
3	16QAM	15	0	20.79	21.02	21.27										
3	64QAM	1	0	20.89	21.14	21.35										
3	64QAM	1	8	20.93	21.17	21.41										
3	64QAM	1	14	20.92	21.17	21.37										
3	64QAM	8	0	19.84	20.11	20.37	22.5	2								
3	64QAM	8	4	19.87	20.13	20.31										
3	64QAM	8	7	19.86	20.11	20.26										
3	64QAM	15	0	19.80	20.06	20.23										
Channel																
Frequency (MHz)																
1.4	QPSK	1	0	22.66	22.89	22.90	24.5	0								
1.4	QPSK	1	3	22.77	22.92	22.93										
1.4	QPSK	1	5	22.67	22.90	22.94										
1.4	QPSK	3	0	22.77	22.91	22.94	23.5	1								
1.4	QPSK	3	1	22.82	22.94	22.95										
1.4	QPSK	3	3	22.79	22.92	22.94										
1.4	QPSK	6	0	21.77	22.01	22.31	23.5	1								
1.4	16QAM	1	0	22.00	22.21	22.38										
1.4	16QAM	1	3	21.98	22.32	22.49										
1.4	16QAM	1	5	21.96	22.24	22.40	23.5	1								
1.4	16QAM	3	0	21.75	22.02	22.24										
1.4	16QAM	3	1	21.81	22.07	22.29										
1.4	16QAM	3	3	21.78	22.04	22.24	22.5	2								
1.4	16QAM	6	0	20.88	21.10	21.35										
1.4	16QAM	1	3	20.92	21.21	21.41										
1.4	64QAM	1	0	20.86	21.14	21.30	22.5	2								
1.4	64QAM	1	5	20.94	21.21	21.43										
1.4	64QAM	3	0	20.87	21.12	21.35										
1.4	64QAM	3	1	20.89	21.21	21.43										
1.4	64QAM	3	3	20.88	21.12	21.33										
1.4	64QAM	6	0	19.80	20.04	20.25	21.5	3								



Band 4_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				20050	20175	20300							
Frequency (MHz)				1720	1727.5	1745							
20	QPSK	1	0	23.20	23.29	23.27	24.5	0					
20	QPSK	1	49	23.50	23.56	23.51							
20	QPSK	1	99	23.11	23.19	23.17							
20	QPSK	50	0	22.44	22.69	22.64	23.5	1					
20	QPSK	50	24	22.46	22.53	22.58							
20	QPSK	50	50	22.51	22.51	22.45							
20	QPSK	100	0	22.48	22.57	22.51	23.5	1					
20	16QAM	1	0	21.50	21.48	21.53							
20	16QAM	1	49	21.74	21.72	21.82							
20	16QAM	1	99	22.40	22.42	22.43	22.5	2					
20	16QAM	50	0	21.49	21.53	21.64							
20	16QAM	50	24	21.52	21.54	21.57							
20	16QAM	50	50	21.55	21.55	21.49	22.5	2					
20	16QAM	100	0	21.52	21.49	21.54							
20	64QAM	1	0	21.50	21.48	21.53							
20	64QAM	1	49	21.71	21.72	21.72	21.5	3					
20	64QAM	1	99	21.38	21.37	21.40							
20	64QAM	50	0	20.45	20.50	20.61							
20	64QAM	50	24	20.48	20.52	20.56	20.00	20.175	20.450	Tune-up limit (dBm)	MPR (dB)		
20	64QAM	50	50	20.40	20.49	20.45							
20	64QAM	100	0	20.45	20.47	20.52							
Channel				20025	20175	20325							
Frequency (MHz)				1715	1722.5	1747.5							
15	QPSK	1	0	22.99	23.10	23.13	24.5	0					
15	QPSK	1	37	23.14	23.25	22.98							
15	QPSK	1	74	22.96	23.00	23.02							
15	QPSK	36	0	22.12	22.14	22.23	23.5	1					
15	QPSK	36	20	22.11	22.15	22.22							
15	QPSK	36	39	22.12	22.15	22.12							
15	QPSK	75	0	22.10	22.14	22.17	23.5	1					
15	16QAM	1	0	22.32	22.38	22.37							
15	16QAM	1	37	22.47	22.57	22.50							
15	16QAM	1	74	22.28	22.26	22.26	22.5	2					
15	16QAM	36	0	21.12	21.19	21.23							
15	16QAM	36	20	21.11	21.17	21.20							
15	16QAM	36	39	21.15	21.15	21.15	22.5	2					
15	16QAM	75	0	21.15	21.15	21.20							
15	64QAM	1	0	21.23	21.32	21.40							
15	64QAM	1	37	21.38	21.38	21.44	21.5	3					
15	64QAM	1	74	21.21	21.18	21.25							
15	64QAM	36	0	20.11	20.17	20.20							
15	64QAM	36	20	20.12	20.17	20.21	20.00	20.175	20.350	Tune-up limit (dBm)	MPR (dB)		
15	64QAM	36	39	20.08	20.17	20.12							
15	64QAM	75	0	20.08	20.14	20.16							
Channel				20000	20175	20350							
Frequency (MHz)				1715	1732.5	1750							
10	QPSK	1	0	23.09	23.16	23.20	24.5	0					
10	QPSK	1	25	23.16	23.26	23.25							
10	QPSK	1	49	23.05	23.08	23.13							
10	QPSK	25	0	22.16	22.23	22.25	23.5	1					
10	QPSK	25	12	22.15	22.20	22.26							
10	QPSK	25	25	22.19	22.13	22.23							
10	QPSK	50	0	22.15	22.26	22.22	23.5	1					
10	16QAM	1	0	22.37	22.41	22.44							
10	16QAM	1	25	22.44	22.49	22.48							
10	16QAM	1	49	22.38	22.33	22.39	22.5	2					
10	16QAM	25	0	21.26	21.24	21.28							
10	16QAM	25	12	21.20	21.25	21.27							
10	16QAM	25	25	21.22	21.18	21.17	22.5	2					
10	16QAM	50	0	21.21	21.29	21.22							
10	64QAM	1	0	21.33	21.35	21.39							
10	64QAM	1	25	21.40	21.42	21.42	21.5	3					
10	64QAM	1	49	21.31	21.27	21.26							
10	64QAM	25	0	20.12	20.20	20.25							
10	64QAM	25	12	20.13	20.20	20.25	19.95	20.175	20.375	Tune-up limit (dBm)	MPR (dB)		
10	64QAM	25	25	20.12	20.16	20.19							
10	64QAM	50	0	20.10	20.17	20.21							
Channel				19975	20175	20375							
Frequency (MHz)				1712.5	1732.5	1752.5							
5	QPSK	1	0	22.95	23.02	23.04	24.5	0					
5	QPSK	1	25	23.21	23.31	23.28							
5	QPSK	1	49	23.05	23.08	23.13							
5	QPSK	12	0	22.12	22.13	22.20	23.5	1					
5	QPSK	12	7	22.15	22.20	22.26							
5	QPSK	12	13	22.11	22.15	22.19							
5	QPSK	25	0	22.10	22.14	22.18	23.5	1					
5	16QAM	1	0	22.29	22.34	22.28							
5	16QAM	1	12	22.57	22.62	22.58							
5	16QAM	1	24	22.20	22.24	22.25	22.5	2					
5	16QAM	12	0	21.10	21.15	21.19							
5	16QAM	12	7	21.20	21.24	21.23							
5	16QAM	12	13	21.13	21.13	21.13	22.5	2					
5	16QAM	25	0	21.16	21.16	21.18							
5	64QAM	1	0	21.21	21.25	21.28							
5	64QAM	1	12	21.43	21.45	21.52	21.5	3					
5	64QAM	1	24	21.16	21.18	21.12							
5	64QAM	12	0	20.10	20.17	20.19							
5	64QAM	12	7	20.18	20.23	20.30	20.00	20.175	20.393	Tune-up limit (dBm)	MPR (dB)		
5	64QAM	12	13	20.10	20.14	20.17							
5	64QAM	25	0	20.10	20.13	20.20							
Channel				19965	20175	20385							
Frequency (MHz)				1711.5	1732.5	1753.5							
3	QPSK	1	0	23.08	23.15	23.17	24.5	0					
3	QPSK	1	8	23.09	23.15	23.19							
3	QPSK	1	14	23.07	23.11	23.14							
3	QPSK	8	0	22.13	22.19	22.22	23.5	1					
3	QPSK	8	4	22.17	22.20	22.26							
3	QPSK	8	7	22.12	22.20	22.23							
3	QPSK	15	0	22.13	22.19	22.23	23.5	1					
3	16QAM	1	0	22.36	22.40	22.40							
3	16QAM	1	8	22.35	22.44	22.43							
3	16QAM	1	14	22.35	22.41	22.44	22.5	2					
3	16QAM	8	0	21.28	21.27	21.25							
3	16QAM	8	4	21.25	21.31	21.30							
3	16QAM	8	7	21.23	21.27	21.25	21.5	3					
3	16QAM	15	0	21.21	21.22	21.21							
3	64QAM	1	0	21.29	21.33	21.35							
3	64QAM	1	8	21.35	21.35	21.38	22.5	20.175	20.393		Tune-up limit (dBm)	MPR (dB)	
3	64QAM	1	14	21.32	21.33	21.34	24.5	0					
3	64QAM	8	0	20.18	20.25	20.28							
3	64QAM	8	4	20.22	20.25	20.25							
3	64QAM	8	7	20.16	20.22	20.28	21.5	3					
3	64QAM	15	0	20.14	20.19	20.21							
3	64QAM	15	0	20.14	20.19	20.25							
Channel				19967	20175	20393							
Frequency (MHz)				1710.7	1732.5	1754.3							
1.4	QPSK	1	0	23.04	23.12	23.15	24.5	0					
1.4	QPSK	1	3	23.16	23.24	23.31							
1.4	QPSK	1	5	23.04	23.12	23.17							
1.4	QPSK	1	0	23.15	23.21	23.28	23.5	1					
1.4	QPSK	3	7	23.12	23.20	23.23							
1.4	QPSK	3	3	23.13	23.22	23.28							
1.4	QPSK	6	0	22.17	22.22	22.31	23.5	1					
1.4	16QAM	1	0	22.33	22.38	22.44							
1.4	16QAM	1	3	22.40	22.49	22.56							
1.4	16QAM	1	5	22.33	22.37	22.45	22.5	1					
1.4	16QAM	3	0	22.16	22.22	22.24							
1.4	16QAM	3	1	22.20	22.24	22.34							
1.4	16QAM	3	3	22.18	22.22	22.24	22.5	2					
1.4	16QAM	6	0	21.31	21.31	21.35							
1.4	64QAM	1	0	21.27	21.29	21.36							
1.4	64QAM	1	3	21.39	21.41	21.48	22.5	2					
1.4	64QAM	1	5	21.31	21.32	21.29							
1.4	64QAM	3	0	21.32	21.34	21.37							
1.4	64QAM	3	1	21.37	21.39	21.43	21.5	3					
1.4	64QAM	3	3	21.31	21.35	21.34							
1.4	64QAM	6	0	20.18	20.23	20.29							

Band 7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20600	21100	21360	24.5	0	
Frequency (MHz)				20595	21095	21355			
20	QPSK	1	0	23.02	23.29	22.90	24.5	0	
20	QPSK	1	49	23.25	23.37	23.28			
20	QPSK	1	99	22.93	22.99	23.14			
20	QPSK	50	0	22.23	22.28	22.29			
20	QPSK	50	24	22.32	22.38	22.32	23.5	1	
20	QPSK	50	50	22.31	22.28	22.31			
20	QPSK	100	0	22.23	22.32	22.31			
20	16QAM	1	0	22.29	22.22	22.12			
20	16QAM	1	49	22.59	22.56	22.63	23.5	1	
20	16QAM	1	99	22.22	22.29	22.43			
20	16QAM	50	0	21.22	21.27	21.27			
20	16QAM	50	24	21.28	21.28	21.31			
20	16QAM	50	50	21.29	21.27	21.32	22.5	2	
20	16QAM	100	0	21.23	21.27	21.32			
20	64QAM	1	0	21.21	21.05	21.07			
20	64QAM	1	49	21.50	21.45	21.51			
20	64QAM	1	99	21.16	21.14	21.30	22.5	2	
20	64QAM	50	0	20.25	20.25	20.29			
20	64QAM	50	24	20.30	20.28	20.31			
20	64QAM	50	50	20.29	20.28	20.30			
20	64QAM	100	0	20.24	20.30	20.32	21.5	3	
20	64QAM	100	0	20.24	20.30	20.32			
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				20627.5	20555	20627.5	24.5	0	
15	QPSK	1	0	23.25	23.28	23.12			
15	QPSK	1	37	23.28	23.27	23.22	23.5	1	
15	QPSK	1	74	23.28	23.25	23.27			
15	QPSK	36	0	22.32	22.31	22.36			
15	QPSK	36	20	22.37	22.33	22.41			
15	QPSK	36	39	22.35	22.31	22.48	23.5	1	
15	QPSK	75	0	22.41	22.36	22.37			
15	16QAM	1	0	22.53	22.34	22.29			
15	16QAM	1	37	22.85	22.51	22.41			
15	16QAM	1	74	22.39	22.65	22.37	23.5	1	
15	16QAM	36	0	21.30	21.40	21.26			
15	16QAM	36	20	21.43	21.34	21.40			
15	16QAM	36	39	21.31	21.30	21.39			
15	16QAM	75	0	21.31	21.32	21.42	22.5	2	
15	64QAM	1	0	21.55	21.50	21.41			
15	64QAM	1	37	21.90	21.14	21.95			
15	64QAM	1	74	21.57	21.45	21.68			
15	64QAM	36	0	20.41	20.33	20.35	21.5	3	
15	64QAM	36	20	20.45	20.44	20.39			
15	64QAM	36	39	20.45	20.40	20.48			
15	64QAM	75	0	20.43	20.30	20.40			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.24	23.28	23.25			
10	QPSK	1	25	23.27	23.22	23.26	23.5	1	
10	QPSK	1	49	23.25	23.12	23.24			
10	QPSK	25	0	22.37	22.38	22.40			
10	QPSK	25	12	22.35	22.32	22.41			
10	QPSK	25	25	22.37	22.34	22.45	23.5	1	
10	QPSK	50	0	22.53	22.32	22.49			
10	16QAM	1	0	22.55	22.43	22.66			
10	16QAM	1	25	22.59	22.49	22.65			
10	16QAM	1	49	22.33	22.72	22.59	23.5	1	
10	16QAM	25	0	21.44	21.39	21.47			
10	16QAM	25	12	21.45	21.29	21.40			
10	16QAM	25	25	21.47	21.25	21.41			
10	16QAM	50	0	21.43	21.40	21.42	22.5	2	
10	64QAM	1	0	21.43	21.53	21.52			
10	64QAM	1	25	21.35	21.12	21.53			
10	64QAM	1	49	21.51	21.29	21.58			
10	64QAM	25	0	20.40	20.30	20.44	21.5	3	
10	64QAM	25	12	20.50	20.37	20.41			
10	64QAM	25	25	20.35	20.33	20.47			
10	64QAM	50	0	20.39	20.32	20.41			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.24	23.23	23.27			
5	QPSK	1	12	23.27	23.23	23.26	23.5	1	
5	QPSK	1	24	23.21	23.15	23.26			
5	QPSK	12	0	22.38	22.21	22.50			
5	QPSK	12	7	22.44	22.28	22.50			
5	QPSK	12	13	22.40	22.27	22.45	23.5	1	
5	QPSK	25	0	22.38	22.22	22.45			
5	16QAM	1	0	22.37	22.34	22.41			
5	16QAM	1	12	22.96	22.11	22.75			
5	16QAM	1	24	22.66	22.29	22.38	23.5	1	
5	16QAM	12	0	21.30	21.38	21.42			
5	16QAM	12	7	21.43	21.29	21.48			
5	16QAM	12	13	21.43	21.30	21.44			
5	16QAM	25	0	21.51	21.27	21.43	22.5	2	
5	64QAM	1	0	21.61	21.48	21.57			
5	64QAM	1	12	21.95	21.55	21.90			
5	64QAM	1	24	21.44	21.15	21.61			
5	64QAM	12	0	20.39	20.25	20.45	21.5	3	
5	64QAM	12	7	20.44	20.38	20.50			
5	64QAM	12	13	20.39	20.31	20.41			
5	64QAM	25	0	20.26	20.23	20.47			

Band 7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20500	21100	21500	24.5	0	
Frequency (MHz)				20500	21100	21500			
20	QPSK	1	0	23.05	23.03	23.02	24.5	0	
20	QPSK	1	49	23.26	23.37	23.36			
20	QPSK	1	99	23.00	23.10	23.31			
20	QPSK	50	0	22.23	22.34	22.40			
20	QPSK	50	24	22.32	22.46	22.47	23.5	1	
20	QPSK	50	50	22.31	22.38	22.46			
20	QPSK	100	0	22.28	22.38	22.48			
20	16QAM	1	0	22.36	22.30	22.24			
20	16QAM	1	49	22.63	22.65	22.75	23.5	1	
20	16QAM	1	99	22.25	22.37	22.59			
20	16QAM	50	0	21.24	21.33	21.39			
20	16QAM	50	24	21.33	21.36	21.43			
20	16QAM	50	50	21.30	21.38	21.46	22.5	2	
20	16QAM	100	0	21.25	21.36	21.42			
20	64QAM	1	0	21.19	21.21	21.21			
20	64QAM	1	49	21.54	21.55	21.68			
20	64QAM	1	99	21.12	21.26	21.43	22.5	2	
20	64QAM	50	0	20.25	20.34	20.39			
20	64QAM	50	24	20.34	20.36	20.44			
20	64QAM	50	50	20.31	20.37	20.48			
20	64QAM	100	0	20.26	20.39	20.43	21.5	3	
20	64QAM	100	0	20.26	20.39	20.43			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	22.98	22.97	23.01			
15	QPSK	1	37	23.21	23.18	23.32	23.5	1	
15	QPSK	1	74	22.95	22.96	23.24			
15	QPSK	36	0	22.07	22.12	22.21			
15	QPSK	36	20	22.11	22.14	22.25			
15	QPSK	36	39	22.13	22.14	22.29	23.5	1	
15	QPSK	75	0	22.08	22.12	22.25			
15	16QAM	1	0	22.30	22.20	22.28			
15	16QAM	1	37	22.48	22.39	22.61			
15	16QAM	1	74	22.21	22.31	22.53	23.5	1	
15	16QAM	36	0	21.05	21.08	21.17			
15	16QAM	36	20	21.08	21.11	21.23			
15	16QAM	36	39	21.11	21.10	21.24			
15	16QAM	75	0	21.08	21.08	21.22	22.5	2	
15	64QAM	1	0	21.17	21.10	21.20			
15	64QAM	1	37	21.34	21.37	21.49			
15	64QAM	1	74	21.12	21.18	21.39			
15	64QAM	36	0	20.07	20.09	20.22	22.5	2	
15	64QAM	36	20	20.11	20.13	20.24			
15	64QAM	36	39	20.13	20.16	20.28			
15	64QAM	75	0	20.10	20.09	20.25			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.05	23.03	23.12			
10	QPSK	1	25	23.11	23.10	23.28	24.5	0	
10	QPSK	1	49	23.04	23.03	23.20			
10	QPSK	25	0	22.05	22.12	22.25			
10	QPSK	25	12	22.11	22.12	22.29			
10	QPSK	25	25	22.13	22.14	22.30	23.5	1	
10	QPSK	50	0	22.10	22.13	22.27			
10	16QAM	1	0	22.34	22.29	22.40			
10	16QAM	1	25	22.37	22.38	22.49			
10	16QAM	1	49	22.36	22.32	22.54	23.5	1	
10	16QAM	25	0	21.08	21.12	21.25			
10	16QAM	25	12	21.15	21.08	21.24			
10	16QAM	25	25	21.15	21.11	21.29			
10	16QAM	50	0	21.10	21.12	21.29	22.5	2	
10	64QAM	1	0	21.21	21.19	21.27			
10	64QAM	1	25	21.28	21.27	21.41			
10	64QAM	1	49	21.20	21.22	21.46			
10	64QAM	25	0	20.09	20.12	20.25	21.5	3	
10	64QAM	25	12	20.16	20.14	20.26			
10	64QAM	25	25	20.14	20.13	20.31			
10	64QAM	50	0	20.13	20.14	20.31			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505.5	2535	2567.5	24.5	0	
5	QPSK	1	0	22.96	22.92	23.05			
5	QPSK	1	12	23.21	23.16	23.10	24.5	0	
5	QPSK	1	24	22.96	22.90	23.20			
5	QPSK	12	0	22.05	22.12	22.25			
5	QPSK	12	7	22.13	22.10	22.32			
5	QPSK	12	13	22.09	22.05	22.32	23.5	1	
5	QPSK	25	0	22.08	22.07	22.29			
5	16QAM	1	0	22.22	22.20	22.31			
5	16QAM	1	12	22.47	22.47	22.64			
5	16QAM	1	24	22.20	22.19	22.43	23.5	1	
5	16QAM	12	0	21.05	21.04	21.23			
5	16QAM	12	7	21.12	21.09	21.29			
5	16QAM	12	13	21.09	21.02	21.28			
5	16QAM	25	0	21.09	21.03	21.27	22.5	2	
5	64QAM	1	0	21.15	21.07	21.22			
5	64QAM	1	12	21.36	21.37	21.58			
5	64QAM	1	24	21.16	21.07	21.36			
5	64QAM	12	0	20.08	20.08	20.36	21.5	3	
5	64QAM	12	7	20.15	20.12	20.38			
5	64QAM	12	13	20.11	20.06	20.34			
5	64QAM	25	0	20.08	20.06	20.29			



Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2320					
Frequency (MHz)				782					
10	QPSK	1	0		23.42		25	0	
10	QPSK	1	25		23.63				
10	QPSK	1	49		23.37				
10	QPSK	25	0		22.52		24	1	
10	QPSK	25	12		22.51				
10	QPSK	25	25		22.49				
10	QPSK	50	0		22.51		24	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.78				
10	16QAM	1	49		22.81		23	2	
10	16QAM	25	0		21.49				
10	16QAM	25	12		21.49				
10	16QAM	25	25		21.48		22	3	
10	16QAM	50	0		21.47				
10	64QAM	1	0		21.54				
10	64QAM	1	25		21.68		23	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.51				
10	64QAM	25	12		20.53		22	3	
10	64QAM	25	25		20.52				
10	64QAM	50	0		20.51				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.34	23.31	23.31	25	0	
5	QPSK	1	12	23.62	23.61	23.61			
5	QPSK	1	24	23.33	23.30	23.25			
5	QPSK	12	0	22.48	22.50	22.47	24	1	
5	QPSK	12	7	22.56	22.55	22.50			
5	QPSK	12	13	22.45	22.47	22.45			
5	QPSK	25	0	22.49	22.49	22.45	24	1	
5	16QAM	1	0	22.58	22.60	22.55			
5	16QAM	1	12	22.92	22.85	22.89			
5	16QAM	1	24	22.62	22.58	22.54	23	2	
5	16QAM	12	0	21.39	21.47	21.45			
5	16QAM	12	7	21.51	21.45	21.45			
5	16QAM	12	13	21.43	21.42	21.39	23	2	
5	16QAM	25	0	21.45	21.46	21.43			
5	64QAM	1	0	21.49	21.44	21.46			
5	64QAM	1	12	21.73	21.74	21.74	23	2	
5	64QAM	1	24	21.46	21.47	21.37			
5	64QAM	12	0	20.45	20.52	20.49			
5	64QAM	12	7	20.59	20.54	20.50	22	3	
5	64QAM	12	13	20.49	20.46	20.44			
5	64QAM	25	0	20.45	20.47	20.43			

Band 18_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				822.5					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.56		25	0	
15	QPSK	1	37		23.64				
15	QPSK	1	74		23.46				
15	QPSK	36	0		22.65		24	1	
15	QPSK	36	20		22.62				
15	QPSK	36	39		22.67				
15	QPSK	75	0		22.67		24	1	
15	16QAM	1	0		22.68				
15	16QAM	1	37		22.63				
15	16QAM	1	74		22.85		23	2	
15	16QAM	36	0		21.57				
15	16QAM	36	20		21.62				
15	16QAM	36	39		21.58		23	2	
15	16QAM	75	0		21.55				
15	64QAM	1	0		21.73				
15	64QAM	1	37		21.88		23	2	
15	64QAM	1	74		21.41				
15	64QAM	36	0		20.65				
15	64QAM	36	20		20.63		22	3	
15	64QAM	36	39		20.55				
15	64QAM	75	0		20.56				
Channel				23900	23925	23950	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.53	23.55	23.53	25	0	
10	QPSK	1	25	23.52	23.55	23.54			
10	QPSK	1	49	23.53	23.47	23.50			
10	QPSK	25	0	22.56	22.61	22.52	24	1	
10	QPSK	25	12	22.62	22.63	22.56			
10	QPSK	25	25	22.62	22.55	22.55			
10	QPSK	50	0	22.62	22.58	22.58	24	1	
10	16QAM	1	0	22.92	22.95	22.99			
10	16QAM	1	25	22.69	23.00	22.46			
10	16QAM	1	49	22.70	23.00	22.84	23	2	
10	16QAM	25	0	21.65	21.55	21.55			
10	16QAM	25	12	21.60	21.52	21.60			
10	16QAM	25	25	21.64	21.61	21.61	23	2	
10	16QAM	50	0	21.63	21.57	21.64			
10	64QAM	1	0	21.78	21.85	21.63			
10	64QAM	1	25	21.86	21.95	21.75	23	2	
10	64QAM	1	49	21.58	21.84	21.46			
10	64QAM	25	0	20.61	20.56	20.58			
10	64QAM	25	12	20.60	20.46	20.56	22	3	
10	64QAM	25	25	20.64	20.59	20.50			
10	64QAM	50	0	20.56	20.59	20.62			
Channel				23875	23925	23975	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.37	23.45	23.42	25	0	
5	QPSK	1	12	23.54	23.52	23.44			
5	QPSK	1	24	23.47	23.34	23.39			
5	QPSK	12	0	22.57	22.46	22.55	24	1	
5	QPSK	12	7	22.60	22.54	22.61			
5	QPSK	12	13	22.58	22.59	22.54			
5	QPSK	25	0	22.58	22.54	22.53	24	1	
5	16QAM	1	0	22.80	22.55	22.35			
5	16QAM	1	12	22.98	22.81	22.81			
5	16QAM	1	24	22.83	22.56	22.51	23	2	
5	16QAM	12	0	21.59	21.52	21.54			
5	16QAM	12	7	21.68	21.58	21.56			
5	16QAM	12	13	21.61	21.61	21.51	23	2	
5	16QAM	25	0	21.68	21.53	21.50			
5	64QAM	1	0	21.26	21.62	21.61			
5	64QAM	1	12	22.08	21.80	21.88	23	2	
5	64QAM	1	24	21.81	21.60	21.72			
5	64QAM	12	0	20.49	20.43	20.52			
5	64QAM	12	7	20.65	20.57	20.52	22	3	
5	64QAM	12	13	20.65	20.60	20.48			
5	64QAM	25	0	20.52	20.46	20.40			

Band 18_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.36		25	0	
15	QPSK	1	37		23.67				
15	QPSK	1	74		23.28				
15	QPSK	36	0		22.49		24	1	
15	QPSK	36	20		22.43				
15	QPSK	36	39		22.43				
15	QPSK	75	0		22.45		24	1	
15	16QAM	1	0		22.60				
15	16QAM	1	37		22.67				
15	16QAM	1	74		22.50		23	2	
15	16QAM	36	0		21.45				
15	16QAM	36	20		21.47		23	2	
15	16QAM	36	39		21.40				
15	16QAM	75	0		21.47				
15	64QAM	1	0		21.58		23	2	
15	64QAM	1	37		21.81				
15	64QAM	1	74		21.47				
15	64QAM	36	0		20.44		22	3	
15	64QAM	36	20		20.45				
15	64QAM	36	39		20.41				
15	64QAM	75	0		20.43				
Channel				23900	23925	23950	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.42	23.44	23.39	25	0	
10	QPSK	1	25	23.53	23.47	23.46			
10	QPSK	1	49	23.42	23.39	23.32			
10	QPSK	25	0	22.49	22.46	22.44	24	1	
10	QPSK	25	12	22.50	22.46	22.46			
10	QPSK	25	25	22.49	22.45	22.39			
10	QPSK	50	0	22.51	22.46	22.43	24	1	
10	16QAM	1	0	22.70	22.67	22.64			
10	16QAM	1	25	22.74	22.75	22.71			
10	16QAM	1	49	22.64	22.59	22.56	23	2	
10	16QAM	25	0	21.48	21.45	21.44			
10	16QAM	25	12	21.52	21.47	21.47			
10	16QAM	25	25	21.51	21.43	21.41	23	2	
10	16QAM	50	0	21.50	21.49	21.41			
10	64QAM	1	0	21.59	21.62	21.54			
10	64QAM	1	25	21.67	21.72	21.58	23	2	
10	64QAM	1	49	21.59	21.55	21.49			
10	64QAM	25	0	20.48	20.43	20.41			
10	64QAM	25	12	20.49	20.43	20.42	22	3	
10	64QAM	25	25	20.48	20.42	20.36			
10	64QAM	50	0	20.48	20.46	20.39			
Channel				23875	23925	23975	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.31	23.32	23.27	25	0	
5	QPSK	1	12	23.61	23.57	23.46			
5	QPSK	1	24	23.32	23.28	23.22			
5	QPSK	12	0	22.45	22.41	22.42	24	1	
5	QPSK	12	7	22.53	22.45	22.41			
5	QPSK	12	13	22.49	22.42	22.35			
5	QPSK	25	0	22.47	22.39	22.38	24	1	
5	16QAM	1	0	22.58	22.58	22.51			
5	16QAM	1	12	22.82	22.84	22.70			
5	16QAM	1	24	22.57	22.55	22.49	23	2	
5	16QAM	12	0	21.46	21.38	21.40			
5	16QAM	12	7	21.52	21.44	21.42			
5	16QAM	12	13	21.47	21.41	21.36	23	2	
5	16QAM	25	0	21.49	21.38	21.39			
5	64QAM	1	0	21.51	21.50	21.41			
5	64QAM	1	12	21.76	21.63	21.63	23	2	
5	64QAM	1	24	21.46	21.43	21.39			
5	64QAM	12	0	20.40	20.38	20.41			
5	64QAM	12	7	20.52	20.45	20.42	22	3	
5	64QAM	12	13	20.51	20.41	20.35			
5	64QAM	25	0	20.46	20.34	20.34			



Band 19_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				837.5						
15	QPSK	1	0		23.57		25	0		
15	QPSK	1	37		23.65					
15	QPSK	1	74		23.30					
15	QPSK	36	0		22.57		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.56					
15	QPSK	75	0		22.44		24	1		
15	16QAM	1	0		22.68					
15	16QAM	1	37		22.49					
15	16QAM	1	74		22.68		23	2		
15	16QAM	36	0		21.63					
15	16QAM	36	20		21.48					
15	16QAM	36	39		21.49		23	2		
15	16QAM	75	0		21.52					
15	64QAM	1	0		21.50		23	2		
15	64QAM	1	37		21.87					
15	64QAM	1	74		21.54					
15	64QAM	36	0		20.50		22	3		
15	64QAM	36	20		20.53					
15	64QAM	36	39		20.53					
15	64QAM	75	0		20.55					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.44	23.52	23.44	25	0		
10	QPSK	1	25	23.56	23.55	23.51				
10	QPSK	1	49	23.39	23.44	23.41				
10	QPSK	25	0	22.72	22.62	22.56	24	1		
10	QPSK	25	12	22.60	22.53	22.59				
10	QPSK	25	25	22.58	22.49	22.43				
10	QPSK	50	0	22.60	22.62	22.58	24	1		
10	16QAM	1	0	22.87	22.95	22.74				
10	16QAM	1	25	22.88	23.08	23.01				
10	16QAM	1	49	22.66	22.84	22.46	23	2		
10	16QAM	25	0	21.58	21.66	21.58				
10	16QAM	25	12	21.63	21.51	21.58				
10	16QAM	25	25	21.60	21.46	21.41	23	2		
10	16QAM	50	0	21.55	21.55	21.59				
10	64QAM	1	0	21.55	21.70	21.85	23	2		
10	64QAM	1	25	21.91	21.68	21.85				
10	64QAM	1	49	21.47	21.59	21.46				
10	64QAM	25	0	20.55	20.55	20.62	22	3		
10	64QAM	25	12	20.51	20.66	20.54				
10	64QAM	25	25	20.56	20.46	20.58				
10	64QAM	50	0	20.60	20.57	20.54				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.37	23.43	23.30	25	0		
5	QPSK	1	12	23.54	23.55	23.53				
5	QPSK	1	24	23.36	23.31	23.14				
5	QPSK	12	0	22.55	22.46	22.51	24	1		
5	QPSK	12	7	22.54	22.58	22.52				
5	QPSK	12	13	22.47	22.49	22.42				
5	QPSK	25	0	22.58	22.51	22.45	24	1		
5	16QAM	1	0	22.59	22.86	22.81				
5	16QAM	1	12	23.17	23.11	23.06				
5	16QAM	1	24	22.77	22.30	22.64	23	2		
5	16QAM	12	0	21.42	21.46	21.38				
5	16QAM	12	7	21.57	21.56	21.54				
5	16QAM	12	13	21.50	21.52	21.41	23	2		
5	16QAM	25	0	21.53	21.48	21.52				
5	64QAM	1	0	21.37	21.45	21.59	23	2		
5	64QAM	1	12	21.82	21.86	21.81				
5	64QAM	1	24	21.61	21.41	21.36				
5	64QAM	12	0	20.42	20.51	20.36	22	3		
5	64QAM	12	7	20.71	20.68	20.56				
5	64QAM	12	13	20.54	20.48	20.39				
5	64QAM	25	0	20.52	20.59	20.47				

Band 19_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				837.5						
15	QPSK	1	0		23.41		25	0		
15	QPSK	1	37		23.58					
15	QPSK	1	74		23.27					
15	QPSK	36	0		22.65		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.49					
15	QPSK	75	0		22.52		24	1		
15	16QAM	1	0		22.62					
15	16QAM	1	37		22.90					
15	16QAM	1	74		22.49		23	2		
15	16QAM	36	0		21.55					
15	16QAM	36	20		21.53					
15	16QAM	36	39		21.51		23	2		
15	16QAM	75	0		21.55					
15	64QAM	1	0		21.60		23	2		
15	64QAM	1	37		21.86					
15	64QAM	1	74		21.42					
15	64QAM	36	0		20.53		22	3		
15	64QAM	36	20		20.56					
15	64QAM	36	39		20.48					
15	64QAM	75	0		20.50					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.45	23.42	23.46	25	0		
10	QPSK	1	25	23.49	23.56	23.54				
10	QPSK	1	49	23.39	23.40	23.31				
10	QPSK	25	0	22.60	22.55	22.53	24	1		
10	QPSK	25	12	22.55	22.54	22.52				
10	QPSK	25	25	22.56	22.53	22.47				
10	QPSK	50	0	22.59	22.57	22.51	24	1		
10	16QAM	1	0	22.65	22.69	22.73				
10	16QAM	1	25	22.84	22.83	22.80				
10	16QAM	1	49	22.71	22.64	22.57	23	2		
10	16QAM	25	0	21.62	21.58	21.55				
10	16QAM	25	12	21.56	21.56	21.52				
10	16QAM	25	25	21.56	21.56	21.47	23	2		
10	16QAM	50	0	21.58	21.56	21.53				
10	64QAM	1	0	21.61	21.65	21.65	23	2		
10	64QAM	1	25	21.78	21.72	21.75				
10	64QAM	1	49	21.62	21.56	21.49				
10	64QAM	25	0	20.56	20.48	20.51	22	3		
10	64QAM	25	12	20.53	20.52	20.50				
10	64QAM	25	25	20.56	20.52	20.43	22	3		
10	64QAM	50	0	20.53	20.53	20.47				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.33	23.36	23.28	25	0		
5	QPSK	1	12	23.34	23.54	23.49				
5	QPSK	1	24	23.33	23.29	23.19				
5	QPSK	12	0	22.56	22.52	22.50	24	1		
5	QPSK	12	7	22.56	22.52	22.47				
5	QPSK	12	13	22.47	22.52	22.42				
5	QPSK	25	0	22.52	22.49	22.38	24	1		
5	16QAM	1	0	22.55	22.59	22.57				
5	16QAM	1	12	22.83	22.91	22.81				
5	16QAM	1	24	22.54	22.55	22.48	23	2		
5	16QAM	12	0	21.50	21.49	21.49				
5	16QAM	12	7	21.56	21.55	21.50				
5	16QAM	12	13	21.52	21.47	21.38	23	2		
5	16QAM	25	0	21.50	21.51	21.43				
5	64QAM	1	0	21.51	21.51	21.48	23	2		
5	64QAM	1	12	21.83	21.85	21.86				
5	64QAM	1	24	21.83	21.50	21.41				
5	64QAM	12	0	20.49	20.48	20.46	22	3		
5	64QAM	12	7	20.54	20.54	20.49				
5	64QAM	12	13	20.50	20.49	20.38				
5	64QAM	25	0	20.47	20.46	20.37	22	3		
5	64QAM	25	0	20.47	20.46	20.37				

Band 26_Ant 1													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel				26765	26865	26965							
Frequency (MHz)				821.5	831.5	841.5							
15	QPSK	1	0	23.53	23.62	23.56	25	0					
15	QPSK	1	37	23.60	23.83	23.53							
15	QPSK	1	74	23.55	23.57	23.46							
15	QPSK	36	0	22.51	22.54	22.41	24	1					
15	QPSK	36	20	22.53	22.48	22.37							
15	QPSK	36	39	22.50	22.45	22.25							
15	QPSK	75	0	22.48	22.50	22.35	24	1					
15	16QAM	1	0	22.66	22.57	22.54							
15	16QAM	1	37	22.83	22.81	22.71							
15	16QAM	1	74	22.59	22.51	22.41	23	2					
15	16QAM	36	0	21.51	21.52	21.40							
15	16QAM	36	20	21.54	21.43	21.35							
15	16QAM	36	39	21.51	21.40	21.21	23	2					
15	16QAM	75	0	21.52	21.48	21.33							
15	64QAM	1	0	21.62	21.49	21.43							
15	64QAM	1	37	21.82	21.73	21.64	22	3					
15	64QAM	1	74	21.48	21.45	21.33							
15	64QAM	36	0	20.49	20.48	20.43							
15	64QAM	36	20	20.54	20.44	20.35	22	3					
15	64QAM	36	39	20.49	20.42	20.21							
15	64QAM	75	0	20.46	20.44	20.33							
Channel				26765	26865	26965							
Frequency (MHz)				819	831.5	844							
10	QPSK	1	0	23.51	23.37	23.30	25	0					
10	QPSK	1	25	23.57	23.45	23.29							
10	QPSK	1	49	23.41	23.32	23.20							
10	QPSK	25	0	22.57	22.54	22.39	24	1					
10	QPSK	25	12	22.56	22.45	22.34							
10	QPSK	25	25	22.58	22.42	22.19							
10	QPSK	50	0	22.58	22.50	22.31	24	1					
10	16QAM	1	0	22.69	22.57	22.59							
10	16QAM	1	25	22.78	22.68	22.56							
10	16QAM	1	49	22.66	22.61	22.47	23	2					
10	16QAM	25	0	21.55	21.51	21.37							
10	16QAM	25	12	21.56	21.43	21.33							
10	16QAM	25	25	21.58	21.41	21.15	23	2					
10	16QAM	50	0	21.58	21.46	21.28							
10	64QAM	1	0	21.63	21.55	21.48							
10	64QAM	1	25	21.77	21.61	21.52	22	3					
10	64QAM	1	49	21.66	21.47	21.39							
10	64QAM	25	0	20.53	20.52	20.38							
10	64QAM	25	12	20.53	20.43	20.32	22	3					
10	64QAM	25	25	20.53	20.41	20.19							
10	64QAM	50	0	20.54	20.48	20.31							
Channel				26715	26866	27015							
Frequency (MHz)				816.5	831.5	846.5							
5	QPSK	1	0	23.40	23.28	23.10	25	0					
5	QPSK	1	12	22.61	23.50	23.43							
5	QPSK	1	24	23.39	23.25	23.13							
5	QPSK	12	0	22.52	22.43	22.32	24	1					
5	QPSK	12	7	22.55	22.44	22.31							
5	QPSK	12	13	22.54	22.37	22.18							
5	QPSK	25	0	22.52	22.38	22.27	24	1					
5	16QAM	1	0	22.62	22.52	22.38							
5	16QAM	1	12	22.61	22.78	22.60							
5	16QAM	1	24	22.61	22.47	22.37	23	2					
5	16QAM	12	0	21.53	21.39	21.29							
5	16QAM	12	7	21.57	21.40	21.28							
5	16QAM	12	13	21.53	21.34	21.18	23	2					
5	16QAM	25	0	21.54	21.37	21.26							
5	64QAM	1	0	21.57	21.43	21.29							
5	64QAM	1	12	21.87	21.66	21.52	22	3					
5	64QAM	1	24	21.59	21.45	21.30							
5	64QAM	12	0	20.52	20.43	20.33							
5	64QAM	12	7	20.55	20.43	20.34	22	3					
5	64QAM	12	13	20.52	20.38	20.17							
5	64QAM	25	0	20.48	20.38	20.27							
Channel				26705	26866	27025							
Frequency (MHz)				815.5	831.5	847.5							
3	QPSK	1	0	23.53	23.42	23.21	25	0					
3	QPSK	1	8	23.48	23.36	23.22							
3	QPSK	1	14	23.49	23.38	23.25							
3	QPSK	8	0	22.54	22.43	22.28	24	1					
3	QPSK	8	4	22.58	22.45	22.32							
3	QPSK	8	7	22.52	22.40	22.27							
3	QPSK	15	0	22.58	22.43	22.28	24	1					
3	16QAM	1	0	22.72	22.63	22.45							
3	16QAM	1	8	22.72	22.59	22.47							
3	16QAM	1	14	22.75	22.61	22.47	23	2					
3	16QAM	8	0	21.63	21.47	21.33							
3	16QAM	8	4	21.63	21.49	21.35							
3	16QAM	8	7	21.60	21.44	21.30	23	2					
3	16QAM	15	0	21.58	21.40	21.29							
3	64QAM	1	0	21.69	21.52	21.36							
3	64QAM	1	8	21.65	21.53	21.41	22	3					
3	64QAM	1	14	21.72	21.52	21.40							
3	64QAM	8	0	20.55	20.44	20.31							
3	64QAM	8	4	20.58	20.44	20.29	22	3					
3	64QAM	8	7	20.55	20.41	20.29							
3	64QAM	15	0	20.50	20.39	20.24							
Channel				26697	26866	27033							
Frequency (MHz)				814.7	831.5	848.3							
1.4	QPSK	1	0	23.44	23.30	23.15	25	0					
1.4	QPSK	1	3	23.55	23.40	23.28							
1.4	QPSK	1	5	23.44	23.28	23.17							
1.4	QPSK	3	0	23.54	23.42	23.27	24	1					
1.4	QPSK	3	1	23.58	23.47	23.35							
1.4	QPSK	3	3	23.56	23.41	23.29							
1.4	QPSK	6	0	22.57	22.42	22.30	24	1					
1.4	16QAM	1	0	22.61	22.55	22.39							
1.4	16QAM	1	3	22.78	22.67	22.47							
1.4	16QAM	1	5	22.64	22.57	22.35	24	1					
1.4	16QAM	3	0	22.50	22.37	22.24							
1.4	16QAM	3	1	22.54	22.41	22.29							
1.4	16QAM	3	3	22.52	22.38	22.22	23	2					
1.4	16QAM	6	0	21.65	21.46	21.37							
1.4	64QAM	1	0	21.62	21.48	21.32							
1.4	64QAM	1	3	21.79	21.54	21.41	23	2					
1.4	64QAM	1	5	21.62	21.46	21.33							
1.4	64QAM	3	0	21.66	21.50	21.36							
1.4	64QAM	3	1	21.71	21.54	21.42	22	3					
1.4	64QAM	3	3	21.64	21.47	21.39							
1.4	64QAM	6	0	20.52	20.38	20.26							

Band 66_Ant 0

Band 38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.26	23.34	23.21	24.5	0	
20	QPSK	1	49	23.70	23.72	23.71			
20	QPSK	1	99	23.12	23.20	23.31			
20	QPSK	50	0	22.28	22.48	22.46	23.5	1	
20	QPSK	50	24	22.34	22.40	22.42			
20	QPSK	50	50	22.33	22.33	22.42			
20	QPSK	100	0	22.30	22.48	22.42	23.5	1	
20	16QAM	1	0	22.10	22.15	22.22			
20	16QAM	1	49	22.56	22.62	22.67			
20	16QAM	1	99	22.27	22.24	22.30	22.5	2	
20	16QAM	50	0	21.35	21.40	21.52			
20	16QAM	50	24	21.36	21.43	21.56			
20	16QAM	50	50	21.31	21.39	21.54	22.5	2	
20	16QAM	100	0	21.35	21.41	21.55			
20	64QAM	1	0	20.89	20.87	20.98	22.5	2	
20	64QAM	1	49	21.24	21.35	21.47			
20	64QAM	1	99	20.98	21.03	21.14			
20	64QAM	50	0	20.23	20.38	20.44	21.5	3	
20	64QAM	50	24	20.29	20.36	20.45			
20	64QAM	50	50	20.27	20.32	20.49			
20	64QAM	100	0	20.34	20.40	20.54	Tune-up limit (dBm)	MPR (dB)	
Channel				37625	38000	38175			
Frequency (MHz)				2577.5	2595	2617.5			
15	QPSK	1	0	23.09	23.21	23.30	24.5	0	
15	QPSK	1	37	23.30	23.32	23.32			
15	QPSK	1	74	23.27	23.26	23.33			
15	QPSK	36	0	22.34	22.41	22.54	23.5	1	
15	QPSK	36	20	22.43	22.46	22.58			
15	QPSK	36	39	22.46	22.53	22.54			
15	QPSK	75	0	22.31	22.39	22.44	23.5	1	
15	16QAM	1	0	22.21	22.30	22.45			
15	16QAM	1	37	22.50	22.56	22.65			
15	16QAM	1	74	22.36	22.44	22.49	22.5	2	
15	16QAM	36	0	21.24	21.42	21.39			
15	16QAM	36	20	21.33	21.46	21.51			
15	16QAM	36	39	21.34	21.44	21.52	22.5	2	
15	16QAM	75	0	21.24	21.34	21.54			
15	64QAM	1	0	21.05	21.05	21.14			
15	64QAM	1	37	21.24	21.33	21.47	22.5	2	
15	64QAM	1	74	21.09	21.20	21.32			
15	64QAM	36	0	20.26	20.44	20.50			
15	64QAM	36	20	20.31	20.44	20.51	21.5	3	
15	64QAM	36	39	20.34	20.40	20.51			
15	64QAM	75	0	20.25	20.36	20.54			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.27	23.29	23.25	24.5	0	
10	QPSK	1	25	23.21	23.29	23.26			
10	QPSK	1	49	23.34	23.30	23.32			
10	QPSK	25	0	22.37	22.54	22.60	23.5	1	
10	QPSK	25	12	22.45	22.46	22.60			
10	QPSK	25	25	22.42	22.49	22.60			
10	QPSK	50	0	22.37	22.43	22.56	23.5	1	
10	16QAM	1	0	22.41	22.43	22.48			
10	16QAM	1	25	22.36	22.46	22.54			
10	16QAM	1	49	22.42	22.50	22.62	22.5	2	
10	16QAM	25	0	21.34	21.57	21.64			
10	16QAM	25	12	21.39	21.51	21.67			
10	16QAM	25	25	21.39	21.47	21.68	22.5	2	
10	16QAM	50	0	21.44	21.41	21.71			
10	64QAM	1	0	21.11	21.24	21.33			
10	64QAM	1	25	21.18	21.21	21.33	22.5	2	
10	64QAM	1	49	21.18	21.22	21.41			
10	64QAM	25	0	20.40	20.56	20.62			
10	64QAM	25	12	20.39	20.50	20.63	21.5	3	
10	64QAM	25	25	20.35	20.41	20.67			
10	64QAM	50	0	20.33	20.44	20.58			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.17	23.28	23.26	24.5	0	
5	QPSK	1	12	23.31	23.27	23.24			
5	QPSK	1	24	23.17	23.26	23.29			
5	QPSK	12	0	22.25	22.56	22.59	23.5	1	
5	QPSK	12	7	22.38	22.53	22.66			
5	QPSK	12	13	22.26	22.46	22.63			
5	QPSK	25	0	22.31	22.43	22.54	23.5	1	
5	16QAM	1	0	22.23	22.39	22.48			
5	16QAM	1	12	22.40	22.53	22.67			
5	16QAM	1	24	22.28	22.37	22.47	22.5	2	
5	16QAM	12	0	21.26	21.43	21.58			
5	16QAM	12	7	21.28	21.43	21.61			
5	16QAM	12	13	21.22	21.29	21.56	22.5	2	
5	16QAM	25	0	21.28	21.41	21.65			
5	64QAM	1	0	21.07	21.13	21.29			
5	64QAM	1	12	21.10	21.37	21.55	22.5	2	
5	64QAM	1	24	21.06	21.16	21.32			
5	64QAM	12	0	20.23	20.43	20.58			
5	64QAM	12	7	20.30	20.43	20.63	21.5	3	
5	64QAM	12	13	20.23	20.34	20.59			
5	64QAM	25	0	20.27	20.47	20.68			

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.79	22.91	23.05	24.5	0	
20	QPSK	1	49	23.36	23.62	23.52			
20	QPSK	1	99	23.08	23.16	23.22			
20	QPSK	50	0	22.19	22.44	22.42	23.5	1	
20	QPSK	50	24	22.24	22.38	22.43			
20	QPSK	50	50	22.17	22.29	22.38			
20	QPSK	100	0	22.24	22.45	22.44	23.5	1	
20	16QAM	1	0	21.92	22.04	22.19			
20	16QAM	1	49	22.43	22.57	22.66			
20	16QAM	1	99	22.15	22.29	22.37	22.5	2	
20	16QAM	50	0	21.17	21.31	21.49			
20	16QAM	50	24	21.23	21.36	21.53			
20	16QAM	50	50	21.22	21.33	21.49	22.5	2	
20	16QAM	100	0	21.22	21.36	21.50			
20	64QAM	1	0	20.66	20.82	20.88	22.5	2	
20	64QAM	1	49	21.15	21.28	21.38			
20	64QAM	1	99	20.87	20.96	21.09			
20	64QAM	50	0	20.12	20.28	20.45	21.5	3	
20	64QAM	50	24	20.18	20.29	20.47			
20	64QAM	50	50	20.19	20.31	20.45			
20	64QAM	100	0	20.16	20.32	20.48	Tune-up limit (dBm)	MPR (dB)	
Channel				37625	38000	38175			
Frequency (MHz)				2577.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.99	23.13	23.32			
15	QPSK	1	37	23.31	23.47	23.51	24.5	0	
15	QPSK	1	74	23.14	23.24	23.47			
15	QPSK	36	0	22.26	22.40	22.55			
15	QPSK	36	20	22.27	22.47	22.47	23.5	1	
15	QPSK	36	39	22.31	22.49	22.53			
15	QPSK	75	0	22.17	22.30	22.40			
15	16QAM	1	0	22.16	22.24	22.39	23.5	1	
15	16QAM	1	37	22.43	22.54	22.64			
15	16QAM	1	74	22.24	22.44	22.51			
15	16QAM	36	0	21.16	21.33	21.39	22.5	2	
15	16QAM	36	20	21.23	21.37	21.44			
15	16QAM	36	39	21.27	21.37	21.53			
15	16QAM	75	0	21.18	21.30	21.47	22.5	2	
15	5QAM	1	0	20.96	20.99	21.13			
15	6QAM	1	37	21.15	21.32	21.44			
15	64QAM	1	74	21.02	21.16	21.31	21.5	3	
15	64QAM	36	0	20.14	20.33	20.46			
15	64QAM	36	20	20.24	20.38	20.51			
15	64QAM	36	39	20.28	20.38	20.53	Tune-up limit (dBm)	MPR (dB)	
15	64QAM	75	0	20.12	20.34	20.40			
Channel				37620	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.17	23.33	23.42	24.5	0	
10	QPSK	1	25	23.28	23.27	23.43			
10	QPSK	1	49	23.19	23.38	23.51			
10	QPSK	25	0	23.18	22.49	22.53	23.5	1	
10	QPSK	25	12	23.20	22.46	22.55			
10	QPSK	25	25	22.26	22.48	22.58			
10	QPSK	50	0	22.34	22.41	22.58	23.5	1	
10	16QAM	1	0	22.34	22.42	22.59			
10	16QAM	1	25	22.36	22.38	22.50			
10	16QAM	1	49	22.31	22.49	22.57	22.5	2	
10	16QAM	25	0	22.37	21.47	21.61			
10	16QAM	25	12	22.29	21.52	21.63			
10	16QAM	25	25	21.24	21.43	21.65	21.5	3	
10	16QAM	50	0	21.28	21.50	21.66			
10	16QAM	1	0	21.35	21.19	21.33			
10	5QAM	1	25	21.29	21.18	21.31	22.5	2	
10	5QAM	1	49	21.12	21.05	21.29			
10	6QAM	25	0	21.03	20.48	20.60			
10	64QAM	25	12	21.07	20.44	20.62	21.5	3	
10	64QAM	25	25	20.26	20.44	20.27			
10	64QAM	50	0	20.30	20.40	20.60			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2622.5	2625	2627.5			
5	QPSK	1	0	23.08	23.19	23.34	24.5	0	
5	QPSK	1	12	23.23	23.40	23.58			
5	QPSK	1	24	23.08	23.28	23.44			
5	QPSK	12	0	22.19	22.41	22.63	23.5	1	
5	QPSK	12	7	22.32	22.49	22.63			
5	QPSK	12	13	22.18	22.44	22.64			
5	QPSK	25	0	22.30	22.52	22.52	22.5	2	
5	16QAM	1	0	22.19	22.30	22.49			
5	16QAM	1	12	22.33	22.58	22.72			
5	16QAM	1	24	22.25	22.35	22.55	22.5	2	
5	16QAM	12	0	21.14	21.34	21.55			
5	16QAM	12	7	21.25	21.38	21.55			
5	16QAM	12	13	21.12	21.32	21.53	21.5	3	
5	16QAM	25	0	21.25	21.44	21.64			
5	64QAM	1	0	20.93	21.14	21.27			
5	64QAM	1	12	21.13	21.33	21.42	22.5	2	
5	64QAM	1	24	20.99	21.09	21.30			
5	64QAM	12	0	20.77	20.42	20.38			
5	64QAM	12	7	20.28	20.43	20.62	21.5	3	
5	64QAM	12	13	20.19	20.33	20.55			
5	64QAM	25	0	20.22	20.47	20.65			



Band 41_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140			
Frequency (MHz)				2545	2571	2598	2645			
20	QPSK	1	0	23.30	23.22	23.18	23.43	24.5	0	
20	QPSK	1	49	23.37	23.39	23.50	23.88			
20	QPSK	1	99	23.22	23.13	23.38	23.51			
20	QPSK	50	0	22.29	22.38	22.48	22.85	23.5	1	
20	QPSK	50	24	22.22	22.29	22.47	22.80			
20	QPSK	50	50	22.21	22.37	22.42	22.74			
20	QPSK	100	0	22.18	22.36	22.61	22.72	23.5	1	
20	16QAM	1	0	22.20	22.15	22.23	22.49			
20	16QAM	1	49	22.47	22.55	22.72	22.97			
20	16QAM	1	99	22.14	22.23	22.38	22.60	22.5	2	
20	16QAM	50	0	21.23	21.33	21.50	21.74			
20	16QAM	50	24	21.23	21.35	21.51	21.92			
20	16QAM	50	50	21.25	21.33	21.51	21.90	22.5	2	
20	16QAM	100	0	21.19	21.35	21.48	21.83			
20	64QAM	1	0	21.02	21.04	20.96	21.36			
20	64QAM	1	49	21.21	21.34	21.44	21.74	22.5	2	
20	64QAM	1	99	21.00	20.99	21.14	21.39			
20	64QAM	50	0	20.13	20.26	20.36	20.74			
20	64QAM	50	24	20.12	20.24	20.48	20.87	21.5	3	
20	64QAM	50	50	20.18	20.27	20.37	20.78			
20	64QAM	100	0	20.13	20.30	20.48	20.78			
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5			
15	QPSK	1	0	23.15	23.06	23.21	23.25	24.5	0	
15	QPSK	1	37	23.27	23.45	23.52	23.52			
15	QPSK	1	74	23.14	23.26	23.45	23.43			
15	QPSK	36	0	22.29	22.28	22.55	22.58	23.5	1	
15	QPSK	36	20	22.31	22.37	22.54	22.58			
15	QPSK	36	39	22.37	22.44	22.59	22.66			
15	QPSK	75	0	22.29	22.35	22.56	22.49	23.5	1	
15	16QAM	1	0	22.31	22.19	22.36	22.45			
15	16QAM	1	37	22.47	22.49	22.63	22.65			
15	16QAM	1	74	22.27	22.31	22.52	22.47	22.5	2	
15	16QAM	36	0	21.15	21.27	21.49	21.55			
15	16QAM	36	20	21.21	21.24	21.51	21.54			
15	16QAM	36	39	21.16	21.20	21.46	21.56	22.5	2	
15	16QAM	75	0	21.19	21.28	21.45	21.56			
15	64QAM	1	0	20.88	20.97	21.07	21.10			
15	64QAM	1	37	21.14	21.21	21.37	21.38	22.5	2	
15	64QAM	1	74	21.05	21.04	21.33	21.27			
15	64QAM	36	0	20.22	20.25	20.52	20.58			
15	64QAM	36	20	20.23	20.26	20.47	20.44	21.5	3	
15	64QAM	36	39	20.25	20.32	20.47	20.51			
15	64QAM	75	0	20.16	20.30	20.40	20.44			
Channel				40690	40990	40690	41190	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2540	2570	2600	2650			
10	QPSK	1	0	23.20	23.23	23.44	23.49	24.5	0	
10	QPSK	1	25	23.12	23.24	23.35	23.44			
10	QPSK	1	49	23.26	23.30	23.52	23.56			
10	QPSK	25	0	22.28	22.36	22.59	22.66	23.5	1	
10	QPSK	25	12	22.28	22.33	22.67	22.67			
10	QPSK	25	25	22.33	22.35	22.46	22.64			
10	QPSK	50	0	22.35	22.30	22.52	22.47	23.5	1	
10	16QAM	1	0	22.37	22.35	22.52	22.51			
10	16QAM	1	25	22.21	22.32	22.45	22.53			
10	16QAM	1	49	22.28	22.44	22.53	22.58	22.5	2	
10	16QAM	25	0	21.30	21.37	21.84	21.65			
10	16QAM	25	12	21.30	21.30	21.54	21.63			
10	16QAM	25	25	21.36	21.34	21.51	21.61	22.5	2	
10	16QAM	50	0	21.32	21.36	21.58	21.49			
10	64QAM	1	0	21.02	21.11	21.18	21.24			
10	64QAM	1	25	21.01	21.11	21.32	21.30	22.5	2	
10	64QAM	1	49	21.01	21.10	21.41	21.35			
10	64QAM	25	0	20.26	20.30	20.64	20.56			
10	64QAM	25	12	20.38	20.30	20.60	20.67	21.5	3	
10	64QAM	25	25	20.31	20.34	20.56	20.53			
10	64QAM	50	0	20.24	20.27	20.39	20.57			
Channel				40665	40985	40705	41215	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5			
5	QPSK	1	0	23.18	23.12	23.33	23.29	24.5	0	
5	QPSK	1	12	23.30	23.34	23.54	23.54			
5	QPSK	1	24	23.12	23.20	23.37	23.45			
5	QPSK	12	0	22.31	22.31	22.62	22.57	23.5	1	
5	QPSK	12	7	22.38	22.39	22.65	22.62			
5	QPSK	12	13	22.28	22.29	22.65	22.46			
5	QPSK	25	0	22.26	22.33	22.45	22.44	23.5	1	
5	16QAM	1	0	22.24	22.29	22.42	22.49			
5	16QAM	1	12	22.40	22.51	22.65	22.62			
5	16QAM	1	24	22.26	22.29	22.49	22.46	22.5	2	
5	16QAM	12	0	21.23	21.21	21.48	21.51			
5	16QAM	12	7	21.32	21.30	21.53	21.62			
5	16QAM	12	13	21.19	21.22	21.45	21.47	22.5	2	
5	16QAM	25	0	21.32	21.30	21.52	21.55			
5	64QAM	1	0	20.97	21.01	21.27	21.15			
5	64QAM	1	12	21.13	21.24	21.41	21.42	22.5	2	
5	64QAM	1	24	20.97	21.08	21.21	21.26			
5	64QAM	12	0	20.16	20.25	20.46	20.44			
5	64QAM	12	7	20.24	20.26	20.52	20.54	21.5	3	
5	64QAM	12	13	20.21	20.26	20.46	20.46			
5	64QAM	25	0	20.29	20.30	20.50	20.53			

Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				40140	40400	40670	41140				
Frequency (MHz)				2545	2571	2598	2645				
20	QPSK	1	0	22.80	22.83	22.85	23.13	24.5	0		
20	QPSK	1	49	22.99	23.10	23.33	23.68				
20	QPSK	1	99	22.85	22.95	23.10	23.17				
20	QPSK	50	0	21.89	22.01	22.28	22.55	23.5	1		
20	QPSK	50	24	21.82	21.95	22.27	22.49				
20	QPSK	50	50	21.86	21.99	22.18	22.38				
20	QPSK	100	0	21.85	22.00	22.27	22.44	23.5	1		
20	16QAM	1	0	21.71	21.76	21.94	22.19				
20	16QAM	1	49	22.10	22.25	22.43	22.40				
20	16QAM	1	99	21.80	21.91	22.14	22.24	22.5	2		
20	16QAM	50	0	20.99	20.96	21.26	21.56				
20	16QAM	50	24	20.88	20.95	21.21	21.57				
20	16QAM	50	50	20.91	21.04	21.23	21.56	22.5	2		
20	16QAM	100	0	20.84	21.07	21.28	21.54				
20	64QAM	1	0	20.59	20.56	20.66	21.02		22.5	2	
20	64QAM	1	49	20.87	20.93	21.22	21.43				
20	64QAM	1	99	20.57	20.62	20.95	21.07				
20	64QAM	50	0	19.74	19.90	20.10	20.48	21.5	3		
20	64QAM	50	24	19.85	19.95	20.24	20.57				
20	64QAM	50	50	19.85	19.98	20.22	20.45				
20	64QAM	100	0	19.81	20.01	20.26	20.49				
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5				
15	QPSK	1	0	22.69	22.77	23.03	23.05	24.5	0		
15	QPSK	1	37	22.87	23.07	23.37	23.29				
15	QPSK	1	74	22.70	22.92	23.18	23.25				
15	QPSK	36	0	21.83	22.04	22.35	22.39	23.5	1		
15	QPSK	36	20	21.85	22.09	22.30	22.33				
15	QPSK	36	39	21.91	22.10	22.38	22.40				
15	QPSK	75	0	21.82	21.96	22.30	22.29	23.5	1		
15	16QAM	1	0	21.87	21.87	22.07	22.09				
15	16QAM	1	37	22.01	22.17	22.41	22.42				
15	16QAM	1	74	21.86	22.10	22.32	22.30	22.5	2		
15	16QAM	36	0	20.79	20.96	21.21	21.27				
15	16QAM	36	20	20.86	20.95	21.24	21.25				
15	16QAM	36	39	20.83	21.02	21.25	21.29	22.5	2		
15	16QAM	75	0	20.85	20.95	21.24	21.28				
15	16QAM	1	0	20.58	20.65	20.95	20.92				
15	64QAM	1	37	20.75	20.89	21.15	21.16	22.5	2		
15	64QAM	1	74	20.65	20.83	21.05	21.06				
15	64QAM	36	0	19.83	19.97	20.26	20.22				
15	64QAM	36	20	19.81	20.00	20.24	20.17	21.5	3		
15	64QAM	36	39	19.89	20.05	20.25	20.29				
15	64QAM	75	0	19.87	19.97	20.15	20.27				
Channel				40390	40390	40590	41190	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2540	2570	2600	2650				
10	QPSK	1	0	22.84	22.95	23.15	23.14	24.5	0		
10	QPSK	1	25	22.66	22.85	23.13	23.13				
10	QPSK	1	49	22.78	22.99	23.26	23.29				
10	QPSK	25	0	21.82	22.00	22.34	22.38	23.5	1		
10	QPSK	25	12	21.83	21.98	22.38	22.37				
10	QPSK	25	25	21.91	22.04	22.34	22.35				
10	QPSK	50	0	21.91	22.05	22.26	22.26	23.5	1		
10	16QAM	1	0	21.85	22.02	22.24	22.27				
10	16QAM	1	25	21.78	22.01	22.32	22.31				
10	16QAM	1	49	21.99	22.06	22.35	22.42	22.5	2		
10	16QAM	25	0	20.85	21.03	21.33	21.45				
10	16QAM	25	12	20.95	20.96	21.34	21.40				
10	16QAM	25	25	20.95	21.06	21.25	21.33	22.5	2		
10	16QAM	50	0	20.95	21.04	21.36	21.41				
10	64QAM	1	0	20.69	20.74	21.04	21.03				
10	64QAM	1	25	20.59	20.80	21.03	21.03	21.5	3		
10	64QAM	1	49	20.71	20.84	21.07	21.08				
10	64QAM	25	0	19.86	19.99	20.32	20.40				
10	64QAM	25	12	19.94	20.09	20.35	20.38	21.5	3		
10	64QAM	25	25	19.92	20.06	20.32	20.40				
10	64QAM	50	0	19.87	20.01	20.28	20.34				
Channel				40595	40595	40795	41215	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2557.5	2557.5	2587.5	2652.5				
5	QPSK	1	0	22.63	22.70	23.02	23.06	24.5	0		
5	QPSK	1	12	22.92	22.94	23.30	23.29				
5	QPSK	1	24	22.68	22.75	23.14	23.17				
5	QPSK	12	0	21.82	21.92	22.38	22.37	23.5	1		
5	QPSK	12	7	21.88	21.95	22.40	22.41				
5	QPSK	12	13	21.84	21.96	22.31	22.33				
5	QPSK	26	0	21.79	21.91	22.27	22.30	23.5	1		
5	16QAM	1	0	21.85	21.93	22.16	22.20				
5	16QAM	1	12	21.99	22.13	22.46	22.39				
5	16QAM	1	24	21.74	22.00	22.29	22.29	22.5	2		
5	16QAM	12	0	20.69	20.90	21.25	21.22				
5	16QAM	12	7	20.76	21.03	21.27	21.32				
5	16QAM	12	13	20.75	20.96	21.26	21.21	21.5	3		
5	16QAM	25	0	20.82	20.97	21.32	21.33				
5	64QAM	1	0	20.50	20.73	20.99	20.99				
5	64QAM	1	12	20.68	20.95	21.14	21.15	22.5	2		
5	64QAM	1	24	20.50	20.67	21.05	21.05				
5	64QAM	12	0	19.76	19.96	20.32	20.33				
5	64QAM	12	7	19.83	19.96	20.31	20.35	21.5	3		
5	64QAM	12	13	19.73	19.99	20.23	20.25				
5	64QAM	25	0	19.75	19.96	20.36	20.36				

Reduced Power for DS11

GSM850_Ant 0					GSM1900_Ant 0				
Burst Average Power (dBm)			Tune-up Limit (dBm)		Burst Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	128	189	251	33.50	TX Channel	512	661	810	30.50
Frequency (MHz)	824.2	836.4	848.8	33.50	Frequency (MHz)	1850.2	1880	1909.8	30.50
GSM 1 Tx slot	32.28	32.39	32.42	33.50	GSM 1 Tx slot	29.52	29.52	29.37	30.50
GPRS 1 Tx slot	29.82	29.94	29.95	30.50	GPRS 1 Tx slot	29.51	29.53	29.36	30.50
GPRS 2 Tx slots	28.08	28.13	28.16	28.50	GPRS 2 Tx slots	27.12	27.11	26.96	27.50
GPRS 3 Tx slots	26.73	26.83	26.82	27.50	GPRS 3 Tx slots	25.35	25.38	25.20	25.50
GPRS 4 Tx slots	27.04	27.06	27.02	28.00	GPRS 4 Tx slots	23.99	24.02	23.88	24.50
EDGE 1 Tx slot	24.17	24.15	23.80	25.00	EDGE 1 Tx slot	25.91	26.01	25.87	27.00
EDGE 2 Tx slots	22.65	22.57	22.50	24.00	EDGE 2 Tx slots	22.96	23.09	22.73	24.00
EDGE 3 Tx slots	21.07	21.15	21.01	22.50	EDGE 3 Tx slots	20.85	21.01	20.93	21.00
EDGE 4 Tx slots					EDGE 4 Tx slots	19.68	19.61	19.51	21.00

GSM850_Ant 1					GSM1900_Ant 1				
Burst Average Power (dBm)			Tune-up Limit (dBm)		Burst Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	128	189	251	32.50	TX Channel	512	661	810	29.00
Frequency (MHz)	824.2	836.4	848.8	32.50	Frequency (MHz)	1850.2	1880	1909.8	29.00
GSM 1 Tx slot	31.77	31.85	31.86	32.50	GSM 1 Tx slot	28.46	28.50	28.33	29.00
GPRS 1 Tx slot	31.72	31.83	31.84	32.50	GPRS 1 Tx slot	28.45	28.47	28.30	29.00
GPRS 2 Tx slots	28.86	28.96	28.96	29.50	GPRS 2 Tx slots	25.63	25.66	25.49	26.00
GPRS 3 Tx slots	26.87	26.94	26.93	27.50	GPRS 3 Tx slots	23.58	23.67	23.51	24.00
GPRS 4 Tx slots	25.96	26.01	26.00	26.50	GPRS 4 Tx slots	22.56	22.65	22.53	23.00
EDGE 1 Tx slot	26.13	26.06	25.96	27.00	EDGE 1 Tx slot	24.65	24.70	24.55	25.50
EDGE 2 Tx slots	22.83	22.92	22.82	24.00	EDGE 2 Tx slots	21.50	21.54	21.57	22.50
EDGE 3 Tx slots	21.68	21.70	21.55	23.00	EDGE 3 Tx slots	19.38	19.45	19.33	20.50
EDGE 4 Tx slots	19.88	19.95	19.85	21.50	EDGE 4 Tx slots	18.28	18.29	18.21	19.50

WCDMA I_Ant 0					WCDMA I_Ant 1				
Burst Average Power (dBm)			Tune-up Limit (dBm)		Burst Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	9262	9400	9538	24.00	TX Channel	9262	9400	9538	24.00
Frequency (MHz)	1852.4	1880	1907.6	24.00	Frequency (MHz)	1852.4	1880	1907.6	24.00
3GPP Rel 99 AMR 12.2Kbps	22.80	22.85	22.89	24.00	3GPP Rel 99 AMR 12.2Kbps	15.90	15.94	15.96	17.00
3GPP Rel 99 RMC 12.2Kbps	22.81	22.97	22.90	24.00	3GPP Rel 99 RMC 12.2Kbps	16.00	16.05	16.02	17.00
3GPP Rel 6 HSDPA Subtest-1	21.77	21.84	21.84	23.00	3GPP Rel 6 HSDPA Subtest-1	14.90	14.97	14.99	16.00
3GPP Rel 6 HSDPA Subtest-2	21.74	21.78	21.80	23.00	3GPP Rel 6 HSDPA Subtest-2	14.81	14.83	14.91	16.00
3GPP Rel 6 HSDPA Subtest-3	21.26	21.27	21.39	22.00	3GPP Rel 6 HSDPA Subtest-3	14.35	14.30	14.42	15.00
3GPP Rel 6 HSDPA Subtest-4	21.24	21.31	21.37	22.00	3GPP Rel 6 HSDPA Subtest-4	14.28	14.31	14.38	15.00
3GPP Rel 8 DCHSDPA Subtest-1	21.68	21.77	21.68	23.00	3GPP Rel 8 DCHSDPA Subtest-1	14.72	14.72	14.74	16.00
3GPP Rel 8 DCHSDPA Subtest-2	21.66	21.70	21.68	23.00	3GPP Rel 8 DCHSDPA Subtest-2	14.62	14.64	14.63	16.00
3GPP Rel 8 DCHSDPA Subtest-3	21.11	21.20	21.24	22.00	3GPP Rel 8 DCHSDPA Subtest-3	14.02	14.12	14.08	15.00
3GPP Rel 8 DCHSDPA Subtest-4	21.08	21.23	21.30	22.00	3GPP Rel 8 DCHSDPA Subtest-4	14.05	14.14	14.22	15.00
3GPP Rel 6 HSUPA Subtest-1	20.81	20.39	20.45	21.00	3GPP Rel 6 HSUPA Subtest-1	13.88	13.90	13.76	14.00
3GPP Rel 6 HSUPA Subtest-2	20.36	20.36	20.34	21.00	3GPP Rel 6 HSUPA Subtest-2	13.50	13.51	13.59	14.00
3GPP Rel 6 HSUPA Subtest-3	21.33	21.40	21.48	22.00	3GPP Rel 6 HSUPA Subtest-3	14.43	14.47	14.54	15.00
3GPP Rel 6 HSUPA Subtest-4	19.85	19.99	19.94	20.50	3GPP Rel 6 HSUPA Subtest-4	13.00	13.02	13.04	13.50
3GPP Rel 6 HSUPA Subtest-5	21.30	21.40	21.30	22.00	3GPP Rel 6 HSUPA Subtest-5	14.30	14.50	14.40	15.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.23	20.23	20.23	21.00	3GPP Rel 7 HSPA+ (16QAM) Subtest-1	13.33	13.25	13.40	14.00

WCDMA IV_Ant 0					WCDMA IV_Ant 1				
Burst Average Power (dBm)			Tune-up Limit (dBm)		Burst Average Power (dBm)			Tune-up Limit (dBm)	
TX Channel	1312	1413	1513	24.00	TX Channel	1312	1413	1513	24.00
Frequency (MHz)	1537	1638	1738	24.00	Frequency (MHz)	1537	1638	1738	24.00
3GPP Rel 99 AMR 12.2Kbps	23.07	23.07	23.10	24.00	3GPP Rel 99 AMR 12.2Kbps	18.24	18.23	18.25	19.00
3GPP Rel 99 RMC 12.2Kbps	23.08	23.13	23.12	24.00	3GPP Rel 99 RMC 12.2Kbps	18.25	18.30	18.27	19.00
3GPP Rel 6 HSDPA Subtest-1	22.13	22.10	22.14	23.00	3GPP Rel 6 HSDPA Subtest-1	17.23	17.22	17.26	18.00
3GPP Rel 6 HSDPA Subtest-2	22.09	22.05	21.54	23.00	3GPP Rel 6 HSDPA Subtest-2	17.18	17.10	17.17	18.00
3GPP Rel 6 HSDPA Subtest-3	21.57	21.52	21.57	22.00	3GPP Rel 6 HSDPA Subtest-3	16.70	16.63	16.72	17.00
3GPP Rel 6 HSDPA Subtest-4	21.50	21.52	21.55	22.00	3GPP Rel 6 HSDPA Subtest-4	16.65	16.59	16.71	17.00
3GPP Rel 8 DCHSDPA Subtest-1	22.06	22.05	21.99	23.00	3GPP Rel 8 DCHSDPA Subtest-1	16.99	17.14	17.05	18.00
3GPP Rel 8 DC-HSDPA Subtest-2	21.94	22.00	21.41	23.00	3GPP Rel 8 DC-HSDPA Subtest-2	17.00	17.06	17.04	18.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.47	21.37	21.50	22.00	3GPP Rel 8 DC-HSDPA Subtest-3	16.48	16.53	16.56	17.00
3GPP Rel 8 DC-HSDPA Subtest-4	21.37	21.39	21.41	22.00	3GPP Rel 8 DC-HSDPA Subtest-4	16.41	16.52	16.44	17.00
3GPP Rel 6 HSUPA Subtest-1	20.61	20.55	20.59	21.00	3GPP Rel 6 HSUPA Subtest-1	15.88	15.75	15.80	16.00
3GPP Rel 6 HSUPA Subtest-2	20.62	20.56	20.61	21.00	3GPP Rel 6 HSUPA Subtest-2	15.70	15.79	15.76	16.00
3GPP Rel 6 HSUPA Subtest-3	21.62	21.61	21.61	22.00	3GPP Rel 6 HSUPA Subtest-3	16.72	16.74	16.72	17.00
3GPP Rel 6 HSUPA Subtest-4	20.13	20.15	20.08	20.50	3GPP Rel 6 HSUPA Subtest-4	15.27	15.26	15.27	15.50
3GPP Rel 6 HSUPA Subtest-5	21.50	21.60	21.60	22.00	3GPP Rel 6 HSUPA Subtest-5	16.70	16.70	16.70	17.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.50	20.46	20.45	21.00	3GPP Rel 7 HSPA+ (16QAM) Subtest-1	15.50	15.45	15.55	16.00



Band 2_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				18700	18800	18900				
20	QPSK	1	0	23.09	23.33	23.12	24.5	0		
20	QPSK	1	49	23.21	23.38	23.29				
20	QPSK	1	99	23.02	23.04	23.36				
20	QPSK	50	0	22.25	22.63	22.62	23.5	1		
20	QPSK	50	24	22.24	22.46	22.59				
20	QPSK	50	50	22.16	22.43	22.58				
20	QPSK	100	0	22.25	22.59	22.58	23.5	1		
20	16QAM	1	0	22.12	22.17	22.19				
20	16QAM	1	49	22.62	23.05	23.03				
20	16QAM	1	99	22.36	22.20	22.78	22.5	2		
20	16QAM	50	0	21.25	21.41	21.66				
20	16QAM	50	24	21.25	21.45	21.64				
20	16QAM	50	50	21.23	21.45	21.66	22.5	2		
20	16QAM	100	0	21.25	21.36	21.74				
20	64QAM	1	0	21.15	21.18	21.36				
20	64QAM	1	49	21.68	21.83	21.79	22.5	2		
20	64QAM	1	99	21.23	21.25	21.50				
20	64QAM	50	0	20.19	20.54	20.74				
20	64QAM	50	24	20.25	20.50	20.68	21.5	3		
20	64QAM	50	50	20.14	20.50	20.59				
20	64QAM	100	0	20.18	20.47	20.70				
Channel										
Frequency (MHz)				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.68	22.85	22.93	24.5	0		
15	QPSK	1	37	22.93	22.89	22.95				
15	QPSK	1	74	22.68	22.83	22.92				
15	QPSK	36	0	21.79	22.00	22.26	23.5	1		
15	QPSK	36	20	21.83	22.06	22.29				
15	QPSK	36	39	21.80	21.99	22.31				
15	QPSK	75	0	21.80	22.03	22.28	23.5	1		
15	16QAM	1	0	21.96	22.14	22.29				
15	16QAM	1	37	22.25	22.43	22.62				
15	16QAM	1	74	21.98	22.11	22.29	22.5	2		
15	16QAM	36	0	20.78	21.00	21.26				
15	16QAM	36	20	20.82	21.05	21.28				
15	16QAM	36	39	20.74	20.98	21.28	22.5	2		
15	16QAM	75	0	20.81	21.04	21.29				
15	64QAM	1	0	20.86	21.04	21.20				
15	64QAM	1	37	21.12	21.27	21.44	22.5	2		
15	64QAM	1	74	20.85	21.01	21.26				
15	64QAM	36	0	19.82	20.04	20.24				
15	64QAM	36	20	19.86	20.06	20.26	21.5	3		
15	64QAM	36	39	19.78	20.03	20.23				
15	64QAM	75	0	19.80	20.04	20.20				
Channel										
Frequency (MHz)				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	22.72	22.92	22.92	24.5	0		
10	QPSK	1	25	22.79	22.95	22.95				
10	QPSK	1	49	22.75	22.92	22.93				
10	QPSK	25	0	21.76	22.02	22.28	23.5	1		
10	QPSK	25	12	21.80	21.99	22.28				
10	QPSK	25	25	21.75	22.05	22.32				
10	QPSK	50	0	21.76	22.03	22.28	23.5	1		
10	16QAM	1	0	22.03	22.24	22.40				
10	16QAM	1	25	22.11	22.34	22.54				
10	16QAM	1	49	22.00	22.21	22.41	22.5	2		
10	16QAM	25	0	20.79	21.03	21.27				
10	16QAM	25	12	20.82	20.99	21.29				
10	16QAM	25	25	20.77	21.06	21.33	22.5	2		
10	16QAM	50	0	20.76	21.04	21.28				
10	64QAM	1	0	20.87	21.08	21.34				
10	64QAM	1	25	21.04	21.19	21.47	22.5	2		
10	64QAM	1	49	20.90	21.15	21.31				
10	64QAM	25	0	19.79	20.01	20.19				
10	64QAM	25	12	19.82	20.03	20.23	21.5	3		
10	64QAM	25	25	19.78	20.05	20.23				
10	64QAM	50	0	19.79	20.02	20.20				
Channel										
Frequency (MHz)				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.62	22.81	22.93	24.5	0		
5	QPSK	1	12	22.91	22.92	22.95				
5	QPSK	1	24	22.58	22.85	22.93				
5	QPSK	12	0	21.74	21.99	22.24	23.5	1		
5	QPSK	12	7	21.85	22.06	22.33				
5	QPSK	12	13	21.75	21.99	22.26				
5	QPSK	25	0	21.76	22.00	22.28	23.5	1		
5	16QAM	1	0	21.90	22.17	22.35				
5	16QAM	1	12	22.23	22.45	22.64				
5	16QAM	1	24	21.85	22.12	22.31	22.5	2		
5	16QAM	12	0	20.74	20.99	21.24				
5	16QAM	12	7	20.82	21.05	21.31				
5	16QAM	12	13	20.73	20.98	21.22	22.5	2		
5	16QAM	25	0	20.74	21.00	21.28				
5	64QAM	1	0	20.83	21.04	21.27				
5	64QAM	1	12	21.09	21.27	21.58	22.5	2		
5	64QAM	1	24	20.77	20.99	21.21				
5	64QAM	12	0	19.79	20.02	20.21				
5	64QAM	12	7	19.90	20.13	20.32	21.5	3		
5	64QAM	12	13	19.79	20.03	20.20				
5	64QAM	25	0	19.78	20.03	20.23				
Channel										
Frequency (MHz)				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	22.72	22.97	22.93	24.5	0		
3	QPSK	1	8	22.72	22.95	22.95				
3	QPSK	1	14	22.70	22.92	22.94				
3	QPSK	8	0	21.78	22.01	22.28	23.5	1		
3	QPSK	8	4	21.81	22.06	22.34				
3	QPSK	8	7	21.81	22.03	22.28				
3	QPSK	15	0	21.77	22.03	22.28	23.5	1		
3	16QAM	1	0	22.02	22.28	22.48				
3	16QAM	1	8	22.00	22.28	22.46				
3	16QAM	1	14	22.01	22.28	22.43	22.5	2		
3	16QAM	8	0	20.94	21.09	21.35				
3	16QAM	8	4	20.90	21.12	21.35				
3	16QAM	8	7	20.83	21.08	21.31	22.5	2		
3	16QAM	15	0	20.79	21.02	21.27				
3	64QAM	1	0	20.89	21.14	21.35				
3	64QAM	1	8	20.93	21.17	21.41	22.5	2		
3	64QAM	1	14	20.92	21.17	21.37				
3	64QAM	8	0	19.84	20.11	20.29				
3	64QAM	8	4	19.87	20.14	20.31	21.5	3		
3	64QAM	8	7	19.86	20.11	20.26				
3	64QAM	15	0	19.80	20.06	20.23				
Channel										
Frequency (MHz)				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	22.66	22.89	22.90	24.5	0		
1.4	QPSK	1	3	22.77	22.92	22.93				
1.4	QPSK	1	6	22.67	22.90	22.94				
1.4	QPSK	3	0	22.82	22.94	22.95	23.5	1		
1.4	QPSK	3	3	22.79	22.92	22.94				
1.4	QPSK	6	0	21.77	22.01	22.31				
1.4	16QAM	1	0	21.90	22.21	22.38	23.5	1		
1.4	16QAM	1	3	22.08	22.32	22.49				
1.4	16QAM	1	6	21.96	22.24	22.40				
1.4	16QAM	3	0	21.75	22.02	22.24	22.5	2		
1.4	16QAM	3	1	21.81	22.07	22.29				
1.4	16QAM	3	3	21.78	22.04	22.24				
1.4	16QAM	6	0	20.88	21.10	21.35	22.5	2		
1.4	64QAM	1	3	20.92	21.21	21.41				
1.4	64QAM	1	6	20.86	21.14	21.30				
1.4	64QAM	3	0	20.91	21.19	21.45	22.5	2		
1.4	64QAM	3	1	20.94	21.21	21.43				
1.4	64QAM	3	3	20.88	21.12	21.33				
1.4	64QAM	6	0	19.80	20.04	20.25				

Band 4_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20000	20175	20350			
Frequency (MHz)				1712.5	1732.5	1745			
20	QPSK	1	0	17.70	17.76	17.84	19	0	
20	QPSK	1	49	17.99	18.13	18.06			
20	QPSK	1	99	17.54	17.61	17.56			
20	QPSK	50	0	18.02	18.10	18.05	19	0	
20	QPSK	50	24	17.93	18.03	18.05			
20	QPSK	50	50	17.95	17.87	17.90			
20	QPSK	100	0	17.98	17.98	17.94	19	0	
20	16QAM	1	0	18.08	17.80	18.00			
20	16QAM	1	49	18.10	18.10	18.04			
20	16QAM	1	99	17.75	17.83	17.93	19	0	
20	16QAM	50	0	17.92	18.01	18.08			
20	16QAM	50	24	17.94	17.92	17.98			
20	16QAM	50	50	17.86	17.90	17.85	19	0	
20	16QAM	100	0	17.87	17.95	17.89			
20	64QAM	1	0	17.86	17.96	17.57			
20	64QAM	1	49	18.09	18.05	18.11	19	0	
20	64QAM	1	99	17.72	17.84	17.71			
20	64QAM	50	0	17.98	18.06	18.06			
20	64QAM	50	24	17.99	18.00	18.03	19	0	
20	64QAM	50	50	18.04	17.91	17.87			
20	64QAM	100	0	17.97	17.92	18.01			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	17.60	17.65	17.77	19	0	
15	QPSK	1	37	17.86	18.07	17.98			
15	QPSK	1	74	17.42	17.47	17.46			
15	QPSK	36	0	17.93	17.96	17.90	19	0	
15	QPSK	36	20	17.94	17.94	17.91			
15	QPSK	36	39	17.87	17.79	17.83			
15	QPSK	75	0	17.85	17.92	17.88	19	0	
15	16QAM	1	0	18.02	17.66	17.95			
15	16QAM	1	37	18.00	18.02	17.89			
15	16QAM	1	74	17.67	17.78	17.85	19	0	
15	16QAM	36	0	17.84	17.94	17.98			
15	16QAM	36	20	17.80	17.79	17.89			
15	16QAM	36	39	17.77	17.80	17.85	19	0	
15	16QAM	75	0	17.78	17.84	17.83			
15	64QAM	1	0	17.75	17.89	17.43			
15	64QAM	1	37	17.95	17.95	17.99	19	0	
15	64QAM	1	74	17.61	17.70	17.57			
15	64QAM	36	0	17.92	17.93	17.94			
15	64QAM	36	20	17.92	17.92	17.93	19	0	
15	64QAM	36	39	17.96	17.83	17.77			
15	64QAM	75	0	17.86	17.77	17.94			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	17.59	17.70	17.71	19	0	
10	QPSK	1	25	17.84	18.01	17.96			
10	QPSK	1	49	17.45	17.48	17.45			
10	QPSK	25	0	17.87	17.96	17.90	19	0	
10	QPSK	25	12	17.85	17.91	17.90			
10	QPSK	25	25	17.80	17.73	17.82			
10	QPSK	50	0	17.89	17.88	17.87	19	0	
10	16QAM	1	0	17.98	17.75	17.95			
10	16QAM	1	25	18.03	18.00	17.92			
10	16QAM	1	49	17.60	17.70	17.79	19	0	
10	16QAM	25	0	17.82	17.93	18.02			
10	16QAM	25	12	17.84	17.82	17.87			
10	16QAM	25	25	17.78	17.79	17.75	19	0	
10	16QAM	50	0	17.75	17.90	17.74			
10	64QAM	1	0	17.80	17.81	17.46			
10	64QAM	1	25	17.98	17.97	18.00	19	0	
10	64QAM	1	49	17.62	17.75	17.59			
10	64QAM	25	0	17.85	17.91	17.92			
10	64QAM	25	12	17.82	17.87	17.88	19	0	
10	64QAM	25	25	17.97	17.83	17.78			
10	64QAM	50	0	17.86	17.83	17.93			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	17.61	17.68	17.70	19	0	
5	QPSK	1	12	17.86	17.98	17.92			
5	QPSK	1	24	17.44	17.51	17.41			
5	QPSK	12	0	17.95	17.96	17.96	19	0	
5	QPSK	12	7	17.82	17.97	17.91			
5	QPSK	12	13	17.80	17.80	17.85			
5	QPSK	25	0	17.83	17.83	17.85	19	0	
5	16QAM	1	0	18.03	17.73	17.87			
5	16QAM	1	12	18.04	18.05	17.92			
5	16QAM	1	24	17.61	17.69	17.79	19	0	
5	16QAM	12	0	17.87	17.86	17.95			
5	16QAM	12	7	17.83	17.77	17.89			
5	16QAM	12	13	17.76	17.78	17.71	19	0	
5	16QAM	25	0	17.76	17.86	17.83			
5	64QAM	1	0	17.76	17.81	17.44			
5	64QAM	1	12	18.00	17.94	18.00	19	0	
5	64QAM	1	24	17.66	17.76	17.62			
5	64QAM	12	0	17.90	17.97	17.91			
5	64QAM	12	7	17.92	17.86	17.88	19	0	
5	64QAM	12	13	17.95	17.81	17.72			
5	64QAM	25	0	17.83	17.87	17.90			
Channel				19955	20175	20395	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	17.62	17.61	17.72	19	0	
3	QPSK	1	8	17.92	18.04	17.95			
3	QPSK	1	14	17.48	17.56	17.41			
3	QPSK	8	0	17.97	17.97	17.99	19	0	
3	QPSK	8	4	17.79	17.96	17.96			
3	QPSK	8	7	17.81	17.76	17.77			
3	QPSK	15	0	17.86	17.83	17.89	19	0	
3	16QAM	1	0	18.03	17.65	17.95			
3	16QAM	1	8	17.99	18.04	17.95			
3	16QAM	1	14	17.67	17.70	17.87	19	0	
3	16QAM	8	0	17.87	17.95	18.01			
3	16QAM	8	4	17.87	17.98	17.93			
3	16QAM	8	7	17.77	17.81	17.73	19	0	
3	16QAM	15	0	17.81	17.85	17.81			
3	64QAM	1	0	17.74	17.86	17.48			
3	64QAM	1	8	17.94	17.96	18.03	19	0	
3	64QAM	1	14	17.59	17.78	17.65			
3	64QAM	8	0	17.83	18.00	18.01			
3	64QAM	8	4	17.89	17.95	17.94	19	0	
3	64QAM	8	7	17.94	17.78	17.79			
3	64QAM	15	0	17.87	17.81	17.93			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	17.59	17.67	17.78	19	0	
1.4	QPSK	1	3	17.94	18.04	17.99			
1.4	QPSK	1	5	17.49	17.50	17.48			
1.4	QPSK	3	0	17.95	17.97	17.96	19	0	
1.4	QPSK	3	1	17.78	17.98	17.98			
1.4	QPSK	3	3	17.88	17.75	17.83			
1.4	QPSK	6	0	17.81	17.83	17.80	18	1	
1.4	16QAM	1	0	18.01	17.75	17.93			
1.4	16QAM	1	3	18.04	17.98	17.99			
1.4	16QAM	1	5	17.65	17.76	17.65	18	1	
1.4	16QAM	3	0	17.81	17.92	18.01			
1.4	16QAM	3	1	17.89	17.84	17.90			
1.4	16QAM	3	3	17.73	17.77	17.74	17	2	
1.4	16QAM	6	0	17.81	17.88	17.79			
1.4	16QAM	1	0	17.71	17.87	17.42			
1.4	64QAM	1	3	18.01	17.93	17.97	17	2	
1.4	64QAM	1	5	17.64	17.74	17.64			
1.4	64QAM	3	0	17.87	17.95	17.91			
1.4	64QAM	3	1	17.84	17.86	17.94	17	2	
1.4	64QAM	3	3	17.89	17.78	17.80			
1.4	64QAM	6	0	17.91	17.77	17.87			

Band 5_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel				20450	20525	20600					
Frequency (MHz)				829	836.5	844					
10	QPSK	1	0	23.75	23.84	23.72	25	0			
10	QPSK	1	25	23.83	23.88	23.79					
10	QPSK	1	49	23.71	23.69	23.68					
10	QPSK	25	0	22.84	22.88	22.80	24	1			
10	QPSK	25	12	22.85	22.77	22.81					
10	QPSK	25	25	22.84	22.82	22.72					
10	16QAM	50	0	22.84	22.86	22.79	24	1			
10	16QAM	1	25	23.04	22.99	22.94					
10	16QAM	1	49	22.89	22.94	22.82					
10	16QAM	25	0	21.84	21.80	21.79	23	2			
10	16QAM	25	12	21.82	21.76	21.79					
10	16QAM	25	25	21.81	21.78	21.66					
10	16QAM	50	0	21.83	21.80	21.73	23	2			
10	8QAM	1	0	21.85	21.83	21.86					
10	8QAM	1	25	21.97	21.96	21.87					
10	8QAM	1	49	21.82	21.84	21.79	22	3			
10	8QAM	25	12	20.85	20.78	20.84					
10	8QAM	25	25	20.86	20.84	20.71					
10	8QAM	50	0	20.86	20.82	20.76	24	1			
Channel				20425	20525	20625				Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				828.5	836.5	846.5					
5	QPSK	1	0	23.67	23.60	23.58	25	0			
5	QPSK	1	12	23.82	23.83	23.81					
5	QPSK	1	24	23.65	23.56	23.59					
5	QPSK	12	0	22.80	22.74	22.73	24	1			
5	QPSK	12	7	22.85	22.80	22.79					
5	QPSK	12	13	22.75	22.72	22.85					
5	QPSK	25	0	22.80	22.77	22.72	24	1			
5	16QAM	1	0	22.88	22.85	22.77					
5	16QAM	1	12	23.09	23.05	23.08					
5	16QAM	1	24	22.85	22.80	22.71	23	2			
5	16QAM	12	0	21.73	21.68	21.70					
5	16QAM	12	7	21.80	21.75	21.73					
5	16QAM	12	13	21.72	21.70	21.60	22	3			
5	16QAM	25	0	21.76	21.72	21.69					
5	8QAM	1	0	21.81	21.73	21.74					
5	8QAM	1	12	22.04	22.01	21.98	23	2			
5	8QAM	1	24	21.76	21.72	21.67					
5	8QAM	12	0	20.81	20.74	20.77					
5	8QAM	12	7	20.80	20.76	20.79	22	3			
5	8QAM	12	13	20.77	20.74	20.67					
5	8QAM	25	0	20.80	20.75	20.71					
Channel				20415	20525	20635	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				825.5	836.5	847.5					
3	QPSK	1	0	23.76	23.67	23.68				25	0
3	QPSK	1	8	23.73	23.69	23.69					
3	QPSK	1	14	23.72	23.69	23.69					
3	QPSK	8	0	22.81	22.71	22.72	24	1			
3	QPSK	8	4	22.83	22.73	22.77					
3	QPSK	8	7	22.82	22.73	22.70					
3	QPSK	15	0	22.81	22.76	22.74	24	1			
3	16QAM	1	0	22.93	22.89	22.83					
3	16QAM	1	8	22.93	22.89	22.81					
3	16QAM	1	14	22.93	22.89	22.83	23	2			
3	16QAM	8	0	21.83	21.75	21.75					
3	16QAM	8	4	21.85	21.77	21.77					
3	16QAM	8	7	21.80	21.78	21.71	22	3			
3	16QAM	15	0	21.79	21.75	21.72					
3	8QAM	1	0	21.88	21.80	21.81					
3	8QAM	1	8	21.89	21.83	21.78	23	2			
3	8QAM	1	14	21.83	21.88	21.80					
3	8QAM	8	0	20.85	20.78	20.82					
3	8QAM	8	4	20.86	20.79	20.83	22	3			
3	8QAM	8	7	20.80	20.83	20.73					
3	8QAM	15	0	20.81	20.75	20.74					
Channel				20407	20525	20643	Tune-up limit (dbm)	MPR (db)			
Frequency (MHz)				824.7	836.5	848.3					
1.4	QPSK	1	0	23.71	23.64	23.62				25	0
1.4	QPSK	1	3	23.82	23.74	23.76					
1.4	QPSK	1	5	23.72	23.62	23.66					
1.4	QPSK	3	3	23.81	23.73	23.77	24	1			
1.4	QPSK	3	3	23.82	23.74	23.73					
1.4	QPSK	6	0	22.86	22.76	22.77					
1.4	16QAM	1	0	22.93	22.83	22.82	24	1			
1.4	16QAM	1	3	23.02	22.98	22.90					
1.4	16QAM	1	5	22.94	22.81	22.77					
1.4	16QAM	1	8	22.83	22.78	22.76	23	2			
1.4	16QAM	3	3	22.82	22.74	22.71					
1.4	16QAM	3	3	22.86	22.71	22.63					
1.4	16QAM	6	0	21.86	21.79	21.78	23	2			
1.4	8QAM	1	0	21.88	21.77	21.75					
1.4	8QAM	1	3	21.96	21.85	21.85					
1.4	8QAM	1	5	21.88	21.78	21.72	23	2			
1.4	8QAM	3	3	21.91	21.80	21.80					
1.4	8QAM	3	1	21.90	21.87	21.86					
1.4	8QAM	3	3	21.87	21.83	21.75	22	3			
1.4	8QAM	6	0	20.82	20.72	20.75					

Band 7_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20950	21100	21350	24.5	0	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	23.02	23.29	22.90	24.5	0	1
20	QPSK	1	49	23.25	23.37	23.28			
20	QPSK	1	99	22.93	22.99	23.14			
20	QPSK	50	0	22.23	22.38	22.29	23.5	1	
20	QPSK	50	24	22.32	22.22	22.32			
20	QPSK	50	50	22.31	22.28	22.31			
20	QPSK	100	0	22.23	22.32	22.31	23.5	1	
20	16QAM	1	0	22.29	22.22	22.12			
20	16QAM	1	49	22.59	22.56	22.63			
20	16QAM	1	99	22.22	22.29	22.43	22.5	2	
20	16QAM	50	0	21.22	21.27	21.27			
20	16QAM	50	24	21.28	21.28	21.31			
20	16QAM	50	50	21.29	21.27	21.32	22.5	2	
20	16QAM	100	0	21.23	21.27	21.32			
20	64QAM	1	0	21.21	21.05	21.07			
20	64QAM	1	49	21.50	21.45	21.51	22.5	2	
20	64QAM	1	99	21.16	21.14	21.30			
20	64QAM	50	0	20.25	20.25	20.29			
20	64QAM	50	24	20.30	20.28	20.31	21.5	3	
20	64QAM	50	50	20.29	20.28	20.33			
20	64QAM	100	0	20.24	20.30	20.32			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.5	0	
15	QPSK	1	0	23.25	23.28	23.12			
15	QPSK	1	37	23.28	23.27	23.22	23.5	1	
15	QPSK	1	74	23.28	23.25	23.27			
15	QPSK	36	0	22.32	22.31	22.36			
15	QPSK	36	20	22.37	22.33	22.41	23.5	1	
15	QPSK	36	39	22.35	22.31	22.46			
15	QPSK	75	0	22.41	22.36	22.37			
15	16QAM	1	0	22.53	22.34	22.29	23.5	1	
15	16QAM	1	37	22.85	22.51	22.41			
15	16QAM	1	74	22.39	22.65	22.37			
15	16QAM	36	0	21.30	21.40	21.28	22.5	2	
15	16QAM	36	20	21.43	21.34	21.40			
15	16QAM	36	39	21.31	21.30	21.39			
15	16QAM	75	0	21.31	21.32	21.42	22.5	2	
15	64QAM	1	0	21.55	21.50	21.41			
15	64QAM	1	37	21.90	21.14	21.95			
15	64QAM	1	74	21.57	21.45	21.68	21.5	3	
15	64QAM	36	0	20.41	20.33	20.35			
15	64QAM	36	20	20.45	20.44	20.39			
15	64QAM	36	39	20.45	20.40	20.44	21.5	3	
15	64QAM	75	0	20.43	20.30	20.40			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.5	0	
10	QPSK	1	0	23.24	23.28	23.25			
10	QPSK	1	25	23.27	23.22	23.26	23.5	1	
10	QPSK	1	49	23.25	23.12	23.24			
10	QPSK	25	0	22.37	22.38	22.40			
10	QPSK	25	12	22.35	22.32	22.41	23.5	1	
10	QPSK	25	25	22.37	22.34	22.45			
10	QPSK	50	0	22.53	22.32	22.49			
10	16QAM	1	0	22.55	22.43	22.66	23.5	1	
10	16QAM	1	25	22.59	22.49	22.65			
10	16QAM	1	49	22.33	22.72	22.59			
10	16QAM	25	0	21.44	21.39	21.47	22.5	2	
10	16QAM	25	12	21.46	21.29	21.40			
10	16QAM	25	25	21.47	21.25	21.41			
10	16QAM	50	0	21.43	21.40	21.42	22.5	2	
10	64QAM	1	0	21.43	21.53	21.52			
10	64QAM	1	25	21.35	21.12	21.53			
10	64QAM	1	49	21.51	21.29	21.58	21.5	3	
10	64QAM	25	0	20.40	20.30	20.44			
10	64QAM	25	12	20.50	20.37	20.41			
10	64QAM	25	25	20.35	20.33	20.47	21.5	3	
10	64QAM	50	0	20.39	20.32	20.41			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.5	0	
5	QPSK	1	0	23.24	23.23	23.27			
5	QPSK	1	12	23.27	23.23	23.26	23.5	1	
5	QPSK	1	24	23.21	23.15	23.26			
5	QPSK	12	0	22.38	22.21	22.50			
5	QPSK	12	7	22.44	22.28	22.50	23.5	1	
5	QPSK	12	13	22.40	22.27	22.45			
5	QPSK	25	0	22.38	22.22	22.45			
5	16QAM	1	0	22.37	22.34	22.41	23.5	1	
5	16QAM	1	12	22.96	22.11	22.75			
5	16QAM	1	24	22.66	22.29	22.38			
5	16QAM	12	0	21.30	21.38	21.42	22.5	2	
5	16QAM	12	7	21.43	21.29	21.48			
5	16QAM	12	13	21.43	21.30	21.44			
5	16QAM	25	0	21.51	21.27	21.43	22.5	2	
5	64QAM	1	0	21.61	21.48	21.57			
5	64QAM	1	12	21.95	21.55	21.90			
5	64QAM	1	24	21.44	21.15	21.61	22.5	2	
5	64QAM	12	0	20.39	20.25	20.45			
5	64QAM	12	7	20.44	20.38	20.50			
5	64QAM	12	13	20.39	20.31	20.41	21.5	3	
5	64QAM	25	0	20.26	20.23	20.47			

Band 7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20950	21100	21350	18.5	0	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	16.94	16.87	16.70	18.5	0	
20	QPSK	1	49	17.22	17.29	17.24			
20	QPSK	1	99	16.87	16.96	17.25			
20	QPSK	50	0	17.16	17.25	17.22	18.5	0	
20	QPSK	50	24	17.19	17.20	17.24			
20	QPSK	50	50	17.13	17.23	17.16			
20	QPSK	100	0	17.10	17.23	17.21	18.5	0	
20	16QAM	1	0	16.88	17.01	16.83			
20	16QAM	1	49	17.01	17.20	17.02			
20	16QAM	1	99	17.04	16.94	17.14	18.5	0	
20	16QAM	50	0	17.05	16.94	16.98			
20	16QAM	50	24	17.19	17.17	17.04			
20	16QAM	50	50	16.93	17.01	17.04	18.5	0	
20	16QAM	100	0	17.09	16.96	16.95			
20	64QAM	1	0	17.05	16.87	16.86			
20	64QAM	1	49	17.12	17.05	17.14	18.5	0	
20	64QAM	1	99	17.05	16.88	16.97			
20	64QAM	50	0	17.18	17.14	16.93			
20	64QAM	50	24	17.11	17.10	17.18	18.5	0	
20	64QAM	50	50	17.17	16.90	17.02			
20	64QAM	100	0	17.18	17.13	16.98			
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	18.5	0	
15	QPSK	1	0	16.89	16.75	16.55			
15	QPSK	1	37	17.08	17.17	17.12	18.5	0	
15	QPSK	1	74	16.82	16.81	17.10			
15	QPSK	36	0	17.04	17.19	17.13			
15	QPSK	36	20	17.06	17.13	17.10	18.5	0	
15	QPSK	36	39	17.00	17.08	17.07			
15	QPSK	75	0	17.04	17.16	17.14	18.5	0	
15	16QAM	1	0	16.79	16.87	16.74			
15	16QAM	1	37	16.86	17.12	16.93			
15	16QAM	1	74	16.93	16.88	17.03	18.5	0	
15	16QAM	36	0	16.98	16.87	16.87			
15	16QAM	36	20	17.14	17.09	16.90			
15	16QAM	36	39	16.83	16.94	16.99	18.5	0	
15	16QAM	75	0	17.03	16.84	16.82			
15	64QAM	1	0	16.98	16.79	16.81	18.5	0	
15	64QAM	1	37	16.99	16.98	17.05			
15	64QAM	1	74	17.00	16.78	16.86			
15	64QAM	36	0	17.06	17.00	16.82	18.5	0	
15	64QAM	36	20	17.07	16.99	17.08			
15	64QAM	36	39	17.03	16.77	16.96	18.5	0	
15	64QAM	75	0	17.09	17.00	16.88			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25050	2535	2565	18.5	0	
10	QPSK	1	0	16.82	16.77	16.58			
10	QPSK	1	25	17.08	17.24	17.19	18.5	0	
10	QPSK	1	49	16.80	16.81	17.15			
10	QPSK	25	0	17.11	17.17	17.09			
10	QPSK	25	12	17.06	17.19	17.17	18.5	0	
10	QPSK	25	25	17.02	17.00	17.02			
10	QPSK	50	0	17.03	17.17	17.08	18.5	0	
10	16QAM	1	0	16.74	16.86	16.73			
10	16QAM	1	25	16.93	17.07	16.91			
10	16QAM	1	49	16.96	16.81	17.08	18.5	0	
10	16QAM	25	0	16.90	16.86	16.85			
10	16QAM	25	12	17.12	17.11	16.96			
10	16QAM	25	25	16.79	16.89	16.93	18.5	0	
10	16QAM	50	0	17.03	16.90	16.87			
10	64QAM	1	0	16.98	16.76	16.76	18.5	0	
10	64QAM	1	25	17.04	16.97	17.01			
10	64QAM	1	49	16.91	16.74	16.83			
10	64QAM	25	0	17.09	17.04	16.98	18.5	0	
10	64QAM	25	12	17.06	16.94	17.04			
10	64QAM	25	25	17.06	16.76	16.97	18.5	0	
10	64QAM	50	0	17.03	17.01	16.88			
Channel				20975	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				25052.5	2535	2567.5	18.5	0	
5	QPSK	1	0	16.87	16.75	16.55			
5	QPSK	1	12	17.07	17.22	17.19	18.5	0	
5	QPSK	1	24	16.78	16.90	17.14			
5	QPSK	12	0	17.07	17.15	17.15			
5	QPSK	12	7	17.06	17.13	17.19	18.5	0	
5	QPSK	12	13	17.08	17.13	17.01			
5	QPSK	25	0	17.02	17.09	17.12	18.5	0	
5	16QAM	1	0	16.79	16.86	16.70			
5	16QAM	1	12	16.90	17.07	16.91			
5	16QAM	1	24	16.93	16.82	17.01	18.5	0	
5	16QAM	12	0	16.98	16.84	16.92			
5	16QAM	12	7	17.12	17.03	16.98	18.5	0	
5	16QAM	12	13	16.86	16.89	16.90			
5	16QAM	25	0	16.96	16.86	16.80	18.5	0	
5	64QAM	1	0	16.96	16.80	16.80			
5	64QAM	1	12	17.02	16.99	17.01			
5	64QAM	1	24	16.94	16.76	16.90	18.5	0	
5	64QAM	12	0	17.04	16.95	16.87			
5	64QAM	12	7	17.05	17.02	17.04	18.5	0	
5	64QAM	12	13	17.12	16.83	16.82			
5	64QAM	25	0	17.03	16.98	16.84	18.5	0	



Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2320					
Frequency (MHz)				782					
10	QPSK	1	0		22.75		24	0	
10	QPSK	1	25		22.81				
10	QPSK	1	49		22.69				
10	QPSK	25	0		22.80		24	0	
10	QPSK	25	12		22.75				
10	QPSK	25	25		22.77				
10	QPSK	50	0		22.78		24	0	
10	16QAM	1	0		22.65				
10	16QAM	1	25		22.70				
10	16QAM	1	49		22.69		23	1	
10	16QAM	25	0		21.91				
10	16QAM	25	12		21.89				
10	16QAM	25	25		21.86		23	1	
10	16QAM	50	0		21.91				
10	64QAM	1	0		21.88				
10	64QAM	1	25		22.13		23	1	
10	64QAM	1	49		22.07				
10	64QAM	25	0		20.86				
10	64QAM	25	12		20.81		22	2	
10	64QAM	25	25		20.89				
10	64QAM	50	0		20.92				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.73	22.66	22.64	24	0	
5	QPSK	1	12	23.04	22.80	23.15			
5	QPSK	1	24	22.73	22.59	22.56			
5	QPSK	12	0	22.82	22.86	22.80	24	0	
5	QPSK	12	7	23.02	22.95	22.86			
5	QPSK	12	13	22.87	22.82	22.81			
5	QPSK	25	0	22.84	22.86	22.76	24	0	
5	16QAM	1	0	22.75	22.79	23.12			
5	16QAM	1	12	22.79	23.15	23.25			
5	16QAM	1	24	23.12	22.74	22.60	23	1	
5	16QAM	12	0	21.74	21.83	21.81			
5	16QAM	12	7	21.91	21.74	21.74			
5	16QAM	12	13	21.81	21.68	21.83	23	1	
5	16QAM	25	0	21.87	21.91	21.85			
5	64QAM	1	0	21.92	22.07	21.75			
5	64QAM	1	12	22.28	21.94	22.30	23	1	
5	64QAM	1	24	22.03	21.68	21.92			
5	64QAM	12	0	20.80	20.84	20.87			
5	64QAM	12	7	21.00	20.94	20.86	22	2	
5	64QAM	12	13	20.70	20.93	20.87			
5	64QAM	25	0	20.86	20.80	20.81			

Band 18_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.56		25	0	
15	QPSK	1	37		23.64				
15	QPSK	1	74		23.46				
15	QPSK	36	0		22.85		24	1	
15	QPSK	36	20		22.82				
15	QPSK	36	39		22.84				
15	QPSK	75	0		22.67		24	1	
15	16QAM	1	0		22.68				
15	16QAM	1	37		22.63				
15	16QAM	1	74		22.85		23	2	
15	16QAM	36	0		21.57				
15	16QAM	36	20		21.62				
15	16QAM	36	39		21.58		23	2	
15	16QAM	75	0		21.55				
15	64QAM	1	0		21.73				
15	64QAM	1	37		21.88		23	2	
15	64QAM	1	74		21.41				
15	64QAM	36	0		20.65				
15	64QAM	36	20		20.63		22	3	
15	64QAM	36	39		20.59				
15	64QAM	75	0		20.56				
Channel				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.53	23.55	23.53	25	0	
10	QPSK	1	25	23.52	23.55	23.54			
10	QPSK	1	49	23.53	23.47	23.50			
10	QPSK	25	0	22.56	22.61	22.52	24	1	
10	QPSK	25	12	22.62	22.63	22.56			
10	QPSK	25	25	22.62	22.55	22.55			
10	QPSK	50	0	22.62	22.58	22.58	24	1	
10	16QAM	1	0	22.92	22.95	22.99			
10	16QAM	1	25	22.69	23.00	22.46			
10	16QAM	1	49	22.70	23.00	22.84	23	2	
10	16QAM	25	0	21.65	21.55	21.55			
10	16QAM	25	12	21.60	21.52	21.60			
10	16QAM	25	25	21.64	21.61	21.61	23	2	
10	16QAM	50	0	21.63	21.57	21.64			
10	64QAM	1	0	21.78	21.85	21.63			
10	64QAM	1	25	21.86	21.95	21.75	23	2	
10	64QAM	1	49	21.58	21.84	21.46			
10	64QAM	25	0	20.61	20.56	20.58			
10	64QAM	25	12	20.60	20.46	20.56	22	3	
10	64QAM	25	25	20.64	20.59	20.50			
10	64QAM	50	0	20.56	20.59	20.62			
Channel				23875	23925	23975	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.37	23.45	23.42	25	0	
5	QPSK	1	12	23.54	23.52	23.44			
5	QPSK	1	24	23.47	23.34	23.39			
5	QPSK	12	0	22.57	22.46	22.55	24	1	
5	QPSK	12	7	22.80	22.54	22.81			
5	QPSK	12	13	22.58	22.59	22.54			
5	QPSK	25	0	22.58	22.54	22.53	24	1	
5	16QAM	1	0	22.80	22.55	22.35			
5	16QAM	1	12	22.98	22.81	22.81			
5	16QAM	1	24	22.83	22.56	22.51	23	2	
5	16QAM	12	0	21.59	21.52	21.54			
5	16QAM	12	7	21.88	21.58	21.56			
5	16QAM	12	13	21.61	21.61	21.51	23	2	
5	16QAM	25	0	21.68	21.53	21.50			
5	64QAM	1	0	21.26	21.62	21.61			
5	64QAM	1	12	22.08	21.80	21.88	23	2	
5	64QAM	1	24	21.81	21.60	21.72			
5	64QAM	12	0	20.49	20.43	20.52			
5	64QAM	12	7	20.65	20.57	20.52	22	3	
5	64QAM	12	13	20.65	20.60	20.48			
5	64QAM	25	0	20.52	20.46	20.40			

Band 18_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0		21.40		23	0	
15	QPSK	1	37		21.79				
15	QPSK	1	74		21.76				
15	QPSK	36	0		21.42		23	0	
15	QPSK	36	20		21.40				
15	QPSK	36	39		21.37				
15	QPSK	75	0		21.43		23	0	
15	16QAM	1	0		21.39				
15	16QAM	1	37		21.58				
15	16QAM	1	74		21.15		23	0	
15	16QAM	36	0		21.39				
15	16QAM	36	20		21.41				
15	16QAM	36	39		21.33		23	0	
15	16QAM	75	0		21.50				
15	64QAM	1	0		21.58				
15	64QAM	1	37		21.52		23	0	
15	64QAM	1	74		21.59				
15	64QAM	36	0		20.67		22	1	
15	64QAM	36	20		20.63				
15	64QAM	36	39		20.35				
15	64QAM	75	0		20.63				
Channel				23900 23925 23950			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820 822.5 825					
10	QPSK	1	0	21.65	21.58	21.52	23	0	
10	QPSK	1	25	21.76	21.56	21.58			
10	QPSK	1	49	21.60	21.50	21.50			
10	QPSK	25	0	21.63	21.58	21.60	23	0	
10	QPSK	25	12	21.63	21.56	21.54			
10	QPSK	25	25	21.65	21.54	21.58			
10	QPSK	50	0	21.62	21.62	21.58	23	0	
10	16QAM	1	0	21.56	21.74	21.61			
10	16QAM	1	25	21.70	21.43	21.63			
10	16QAM	1	49	21.43	21.52	21.62	23	0	
10	16QAM	25	0	21.75	21.64	21.63			
10	16QAM	25	12	21.68	21.56	21.60			
10	16QAM	25	25	21.58	21.63	21.54	23	0	
10	16QAM	50	0	21.59	21.69	21.53			
10	64QAM	1	0	21.43	21.55	21.62			
10	64QAM	1	25	21.60	21.72	21.63	23	0	
10	64QAM	1	49	21.52	21.59	21.62			
10	64QAM	25	0	20.55	20.50	20.60	22	1	
10	64QAM	25	12	20.57	20.52	20.70			
10	64QAM	25	25	20.51	20.54	20.51			
10	64QAM	50	0	20.71	20.68	20.48			
Channel				23875 23925 23975					
Frequency (MHz)				817.5 822.5 827.5					
5	QPSK	1	0	21.59	21.45	21.46	23	0	
5	QPSK	1	12	21.63	21.45	21.45			
5	QPSK	1	24	21.55	21.41	21.45			
5	QPSK	12	0	21.64	21.47	21.41	23	0	
5	QPSK	12	12	21.51	21.55	21.42			
5	QPSK	12	13	21.65	21.53	21.58			
5	QPSK	25	0	21.61	21.44	21.57	23	0	
5	16QAM	1	0	21.50	21.71	21.55			
5	16QAM	1	12	21.63	21.40	21.56			
5	16QAM	1	24	21.24	21.51	21.43	23	0	
5	16QAM	12	0	21.68	21.47	21.54			
5	16QAM	12	12	21.52	21.55	21.44			
5	16QAM	12	13	21.41	21.58	21.37	23	0	
5	16QAM	25	0	21.40	21.58	21.34			
5	64QAM	1	0	21.40	21.50	21.59			
5	64QAM	1	12	21.50	21.62	21.54	23	0	
5	64QAM	1	24	21.21	21.58	21.53			
5	64QAM	12	0	20.54	20.57	20.59	22	1	
5	64QAM	12	12	20.43	20.37	20.56			
5	64QAM	12	13	20.35	20.42	20.35			
5	64QAM	25	0	20.60	20.64	20.37			

Band 19_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				24075			Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				837.5					
15	QPSK	1	0		23.57		25	0	
15	QPSK	1	37		23.65				
15	QPSK	1	74		23.30				
15	QPSK	36	0		22.57		24	1	
15	QPSK	36	26		22.56				
15	QPSK	36	39		22.55				
15	QPSK	75	0		22.44		24	1	
15	16QAM	1	0		22.68				
15	16QAM	1	37		22.49				
15	16QAM	1	74		22.68		23	2	
15	16QAM	36	0		21.63				
15	16QAM	36	26		21.48				
15	16QAM	36	39		21.49		23	2	
15	16QAM	75	0		21.52				
15	64QAM	1	0		21.50		23	2	
15	64QAM	1	37		21.87				
15	64QAM	1	74		21.54				
15	64QAM	36	0		20.50		22	3	
15	64QAM	36	26		20.53				
15	64QAM	36	39		20.53				
15	64QAM	75	0		20.55		Tune-up limit (dbm)	MPR (db)	
Channel				24050	24075	24100			
Frequency (MHz)				835	837.5	840	Tune-up limit (dbm)	MPR (db)	
10	QPSK	1	0	23.44	23.52	23.44			
10	QPSK	1	25	23.56	23.55	23.51	25	0	
10	QPSK	1	49	23.39	23.44	23.41			
10	QPSK	25	0	22.72	22.62	22.55			
10	QPSK	25	12	22.60	22.53	22.59	24	1	
10	QPSK	25	25	22.58	22.49	22.43			
10	QPSK	50	0	22.60	22.62	22.58			
10	16QAM	1	0	22.87	22.95	22.74	24	1	
10	16QAM	1	25	22.88	23.08	23.01			
10	16QAM	1	49	22.66	22.84	22.46			
10	16QAM	25	0	21.58	21.66	21.58	23	2	
10	16QAM	25	12	21.63	21.51	21.58			
10	16QAM	25	25	21.60	21.46	21.41			
10	16QAM	50	0	21.55	21.55	21.59	23	2	
10	64QAM	1	0	21.55	21.70	21.85			
10	64QAM	1	25	21.91	21.68	21.85			
10	64QAM	1	49	21.47	21.59	21.46	22	3	
10	64QAM	25	0	20.55	20.55	20.62			
10	64QAM	25	12	20.51	20.66	20.54			
10	64QAM	25	25	20.56	20.46	20.50	Tune-up limit (dbm)	MPR (db)	
10	64QAM	50	0	20.60	20.57	20.54			
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				832.5	837.5	842.5			
5	QPSK	1	0	23.37	23.43	23.30	25	0	
5	QPSK	1	12	23.54	23.55	23.53			
5	QPSK	1	24	23.36	23.31	23.14			
5	QPSK	12	0	22.56	22.46	22.51	24	1	
5	QPSK	12	7	22.54	22.56	22.52			
5	QPSK	12	13	22.47	22.49	22.42			
5	QPSK	25	0	22.58	22.51	22.45	24	1	
5	16QAM	1	0	22.59	22.86	22.81			
5	16QAM	1	12	23.17	23.11	23.06			
5	16QAM	1	24	22.77	22.30	22.64	23	2	
5	16QAM	12	0	21.42	21.46	21.38			
5	16QAM	12	7	21.57	21.56	21.54			
5	16QAM	12	13	21.50	21.52	21.41	23	2	
5	16QAM	25	0	21.53	21.48	21.52			
5	64QAM	1	0	21.37	21.45	21.59	23	2	
5	64QAM	1	12	21.82	21.86	21.81			
5	64QAM	1	24	21.61	21.41	21.36			
5	64QAM	12	0	20.42	20.51	20.56	22	3	
5	64QAM	12	7	20.71	20.68	20.58			
5	64QAM	12	13	20.54	20.48	20.39			
5	64QAM	25	0	20.52	20.59	20.47	Tune-up limit (dbm)	MPR (db)	
Channel				24025	24075	24100			

Band 19_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				24075			Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				837.5					
15	QPSK	1	0		21.49		23	0	
15	QPSK	1	37		21.85				
15	QPSK	1	74		21.31				
15	QPSK	36	0		21.66		23	0	
15	QPSK	36	20		21.60				
15	QPSK	36	39		21.82				
15	QPSK	75	0		21.57		23	0	
15	16QAM	1	0		21.39				
15	16QAM	1	37		21.57				
15	16QAM	1	74		21.65		23	0	
15	16QAM	36	0		21.57				
15	16QAM	36	20		21.57				
15	16QAM	36	39		21.51		23	0	
15	16QAM	75	0		21.51				
15	64QAM	1	0		21.59		23	0	
15	64QAM	1	37		21.70				
15	64QAM	1	74		21.21				
15	64QAM	36	0		20.58		22	1	
15	64QAM	36	20		20.63				
15	64QAM	36	39		20.43				
15	64QAM	75	0		20.57				
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				835	837.5	840			
10	QPSK	1	0	21.56	21.58	21.47	23	0	
10	QPSK	1	25	21.78	21.56	21.67			
10	QPSK	1	49	21.54	21.45	21.43			
10	QPSK	25	0	21.64	21.63	21.64	23	0	
10	QPSK	25	12	21.61	21.62	21.54			
10	QPSK	25	25	21.66	21.62	21.52			
10	QPSK	50	0	21.72	21.70	21.54	23	0	
10	16QAM	1	0	21.98	21.56	22.09			
10	16QAM	1	25	21.85	21.64	21.56			
10	16QAM	1	49	21.89	21.59	21.49	23	0	
10	16QAM	25	0	21.65	21.55	21.65			
10	16QAM	25	12	21.51	21.57	21.65			
10	16QAM	25	25	21.59	21.53	21.60	23	0	
10	16QAM	50	0	21.56	21.57	21.48			
10	64QAM	1	0	21.75	21.54	21.64	23	0	
10	64QAM	1	25	21.85	21.95	21.38			
10	64QAM	1	49	21.64	21.52	21.47			
10	64QAM	25	0	20.58	20.54	20.64	22	1	
10	64QAM	25	12	20.67	20.59	20.53			
10	64QAM	25	25	20.55	20.57	20.56			
10	64QAM	50	0	20.56	20.64	20.62			
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				832.5	837.5	842.5			
5	QPSK	1	0				23	0	
5	QPSK	1	12						
5	QPSK	1	24						
5	QPSK	12	0				23	0	
5	QPSK	12	7						
5	QPSK	12	13						
5	QPSK	25	0				23	0	
5	16QAM	1	0						
5	16QAM	1	12						
5	16QAM	1	24				23	0	
5	16QAM	12	0						
5	16QAM	12	7						
5	16QAM	12	13				23	0	
5	16QAM	25	0						
5	64QAM	1	0				23	0	
5	64QAM	1	12						
5	64QAM	1	24						
5	64QAM	12	0				22	1	
5	64QAM	12	7						
5	64QAM	12	13						
5	64QAM	25	0						

Band 26_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26705	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	21.65	21.56	21.46	23	0		
15	QPSK	1	37	21.77	21.88	21.84				
15	QPSK	1	74	21.59	21.49	21.45				
15	QPSK	36	0	21.75	21.83	21.68				
15	QPSK	36	20	21.82	21.71	21.63	23	0		
15	QPSK	36	39	21.75	21.68	21.44				
15	QPSK	75	0	21.70	21.75	21.69				
15	16QAM	1	0	21.80	21.86	21.83				
15	16QAM	1	37	21.73	21.84	21.75	23	0		
15	16QAM	1	74	21.80	21.71	21.62				
15	16QAM	36	0	21.76	21.77	21.63				
15	16QAM	36	20	21.74	21.64	21.63				
15	16QAM	36	39	21.71	21.62	21.37	23	0		
15	16QAM	75	0	21.62	21.79	21.57				
15	64QAM	1	0	21.86	21.68	21.71				
15	64QAM	1	37	21.69	21.77	21.78				
15	64QAM	1	74	21.87	21.80	21.68	23	0		
15	64QAM	36	0	20.74	20.78	20.70				
15	64QAM	36	20	20.81	20.78	20.68				
15	64QAM	36	39	20.76	20.78	20.51				
15	64QAM	75	0	20.79	20.63	20.63	22	1		
Channel				26740	26865	26990				
Frequency (MHz)				819	831.5	844.5				
10	QPSK	1	0	21.51	21.48	21.40	23	0		
10	QPSK	1	25	21.63	21.78	21.69				
10	QPSK	1	49	21.49	21.40	21.40				
10	QPSK	25	0	21.65	21.69	21.38				
10	QPSK	25	12	21.62	21.61	21.57	23	0		
10	QPSK	25	25	21.65	21.62	21.31				
10	QPSK	50	0	21.62	21.62	21.30				
10	16QAM	1	0	21.65	21.79	21.72				
10	16QAM	1	25	21.65	21.77	21.69	23	0		
10	16QAM	1	49	21.69	21.62	21.56				
10	16QAM	25	0	21.61	21.70	21.52				
10	16QAM	25	12	21.62	21.62	21.55				
10	16QAM	25	25	21.60	21.57	21.32	23	0		
10	16QAM	50	0	21.72	21.70	21.46				
10	64QAM	1	0	21.76	21.58	21.63				
10	64QAM	1	25	21.59	21.71	21.69				
10	64QAM	1	49	21.74	21.67	21.58	23	0		
10	64QAM	25	0	20.60	20.72	20.57				
10	64QAM	25	12	20.72	20.69	20.59				
10	64QAM	25	25	20.71	20.63	20.43				
10	64QAM	50	0	20.71	20.51	20.51	22	1		
Channel				26715	26865	27015				
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	21.54	21.49	21.38	23	0		
5	QPSK	1	12	21.72	21.74	21.75				
5	QPSK	1	24	21.53	21.36	21.39				
5	QPSK	12	0	21.62	21.71	21.57				
5	QPSK	12	7	21.72	21.58	21.48	23	0		
5	QPSK	12	13	21.62	21.58	21.30				
5	QPSK	25	0	21.59	21.62	21.61				
5	16QAM	1	0	21.65	21.81	21.70				
5	16QAM	1	12	21.62	21.72	21.60	23	0		
5	16QAM	1	24	21.65	21.56	21.55				
5	16QAM	12	0	21.71	21.65	21.55				
5	16QAM	12	7	21.69	21.56	21.51				
5	16QAM	12	13	21.65	21.48	21.22	23	0		
5	16QAM	25	0	21.70	21.65	21.52				
5	64QAM	1	0	21.77	21.60	21.56				
5	64QAM	1	12	21.61	21.72	21.63				
5	64QAM	1	24	21.73	21.69	21.56	23	0		
5	64QAM	12	0	20.59	20.71	20.62				
5	64QAM	12	7	20.70	20.62	20.55				
5	64QAM	12	13	20.69	20.63	20.37				
5	64QAM	25	0	20.66	20.48	20.55	22	1		
Channel				26705	26865	27025				
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	21.59	21.48	21.35	23	0		
3	QPSK	1	8	21.67	21.75	21.74				
3	QPSK	1	14	21.50	21.35	21.34				
3	QPSK	8	0	21.66	21.76	21.57				
3	QPSK	8	4	21.73	21.58	21.58	23	0		
3	QPSK	8	7	21.68	21.59	21.34				
3	QPSK	15	0	21.60	21.61	21.54				
3	16QAM	1	0	21.69	21.80	21.72				
3	16QAM	1	8	21.66	21.77	21.63	23	0		
3	16QAM	1	14	21.75	21.65	21.50				
3	16QAM	8	0	21.61	21.65	21.56				
3	16QAM	8	4	21.61	21.59	21.54				
3	16QAM	8	7	21.58	21.54	21.26	23	0		
3	16QAM	15	0	21.77	21.72	21.51				
3	64QAM	1	0	21.74	21.56	21.64				
3	64QAM	1	8	21.56	21.70	21.63				
3	64QAM	1	14	21.78	21.67	21.60	23	0		
3	64QAM	8	0	20.69	20.65	20.62				
3	64QAM	8	4	20.70	20.61	20.57				
3	64QAM	8	7	20.63	20.71	20.36				
3	64QAM	15	0	20.65	20.57	20.52	22	1		
Channel				26697	26865	27033				
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	21.59	21.50	21.39	23	0		
1.4	QPSK	1	3	21.71	21.75	21.72				
1.4	QPSK	1	9	21.51	21.44	21.38				
1.4	QPSK	3	0	21.61	21.68	21.57				
1.4	QPSK	3	1	21.73	21.59	21.52	23	0		
1.4	QPSK	3	3	21.68	21.58	21.32				
1.4	QPSK	6	0	21.55	21.63	21.55				
1.4	16QAM	1	0	21.73	21.79	21.68				
1.4	16QAM	1	3	21.62	21.69	21.66	23	0		
1.4	16QAM	1	9	21.73	21.64	21.56				
1.4	16QAM	3	0	21.64	21.63	21.54				
1.4	16QAM	3	1	21.61	21.57	21.56				
1.4	16QAM	3	3	21.60	21.57	21.32	23	0		
1.4	16QAM	6	0	21.67	21.66	21.50				
1.4	64QAM	1	0	21.73	21.63	21.56				
1.4	64QAM	1	3	21.59	21.70	21.65				
1.4	64QAM	1	9	21.61	21.73	21.61	23	0		
1.4	64QAM	3	0	20.66	20.72	20.55				
1.4	64QAM	3	1	20.67	20.63	20.57				
1.4	64QAM	3	3	20.70	20.64	20.39				
1.4	64QAM	6	0	20.71	20.56	20.51	22	1		

Band 38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.26	23.34	23.21	24.5	0	
20	QPSK	1	49	23.70	23.72	23.71			
20	QPSK	1	99	23.12	23.20	23.31			
20	QPSK	50	0	22.28	22.48	22.46			
20	QPSK	50	24	22.34	22.40	22.42	23.5	1	
20	QPSK	50	50	22.33	22.33	22.42			
20	QPSK	100	0	22.30	22.48	22.42			
20	16QAM	1	0	22.10	22.15	22.22			
20	16QAM	1	49	22.56	22.62	22.67	23.5	1	
20	16QAM	1	99	22.27	22.24	22.30			
20	16QAM	50	0	21.35	21.40	21.52			
20	16QAM	50	24	21.36	21.43	21.56			
20	16QAM	50	50	21.31	21.39	21.54	22.5	2	
20	16QAM	100	0	21.35	21.41	21.55			
20	64QAM	1	0	20.89	20.87	20.98			
20	64QAM	1	49	21.24	21.35	21.47			
20	64QAM	1	99	20.98	21.03	21.14	22.5	2	
20	64QAM	50	0	20.23	20.38	20.44			
20	64QAM	50	24	20.29	20.36	20.45			
20	64QAM	50	50	20.27	20.32	20.49			
20	64QAM	100	0	20.34	20.40	20.54	21.5	3	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2617.5			
15	QPSK	1	0	23.09	23.21	23.30	24.5	0	
15	QPSK	1	37	23.30	23.32	23.32			
15	QPSK	1	74	23.27	23.26	23.33			
15	QPSK	36	0	22.34	22.41	22.54			
15	QPSK	36	20	22.43	22.46	22.58	23.5	1	
15	QPSK	36	39	22.46	22.53	22.54			
15	QPSK	75	0	22.31	22.39	22.44			
15	16QAM	1	0	22.21	22.30	22.45			
15	16QAM	1	37	22.50	22.56	22.65	23.5	1	
15	16QAM	1	74	22.36	22.44	22.49			
15	16QAM	36	0	21.24	21.42	21.39			
15	16QAM	36	20	21.33	21.46	21.51			
15	16QAM	36	39	21.34	21.44	21.52	22.5	2	
15	16QAM	75	0	21.24	21.34	21.54			
15	64QAM	1	0	21.05	21.05	21.14			
15	64QAM	1	37	21.24	21.33	21.47			
15	64QAM	1	74	21.09	21.20	21.32	22.5	2	
15	64QAM	36	0	20.26	20.44	20.50			
15	64QAM	36	20	20.31	20.44	20.51			
15	64QAM	36	39	20.34	20.40	20.51			
15	64QAM	75	0	20.25	20.36	20.54	21.5	3	
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.27	23.29	23.25	24.5	0	
10	QPSK	1	25	23.21	23.29	23.26			
10	QPSK	1	49	23.34	23.30	23.32			
10	QPSK	25	0	22.37	22.54	22.60			
10	QPSK	25	12	22.45	22.46	22.60	23.5	1	
10	QPSK	25	25	22.42	22.49	22.60			
10	QPSK	50	0	22.37	22.43	22.56			
10	16QAM	1	0	22.41	22.43	22.48			
10	16QAM	1	25	22.36	22.46	22.54	23.5	1	
10	16QAM	1	49	22.42	22.50	22.62			
10	16QAM	25	0	21.34	21.57	21.64			
10	16QAM	25	12	21.39	21.51	21.67			
10	16QAM	25	25	21.39	21.47	21.68	22.5	2	
10	16QAM	50	0	21.44	21.41	21.71			
10	64QAM	1	0	21.11	21.24	21.33			
10	64QAM	1	25	21.18	21.21	21.33			
10	64QAM	1	49	21.18	21.22	21.41	22.5	2	
10	64QAM	25	0	20.40	20.56	20.62			
10	64QAM	25	12	20.39	20.50	20.63			
10	64QAM	25	25	20.35	20.41	20.67			
10	64QAM	50	0	20.33	20.44	20.58	21.5	3	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.17	23.28	23.26	24.5	0	
5	QPSK	1	12	23.31	23.27	23.24			
5	QPSK	1	24	23.17	23.26	23.29			
5	QPSK	12	0	22.25	22.56	22.59			
5	QPSK	12	7	22.38	22.53	22.66	23.5	1	
5	QPSK	12	13	22.26	22.46	22.63			
5	QPSK	25	0	22.31	22.43	22.54			
5	16QAM	1	0	22.23	22.39	22.48			
5	16QAM	1	12	22.40	22.53	22.67	23.5	1	
5	16QAM	1	24	22.28	22.37	22.47			
5	16QAM	12	0	21.26	21.43	21.58			
5	16QAM	12	7	21.28	21.43	21.61			
5	16QAM	12	13	21.22	21.29	21.56	22.5	2	
5	16QAM	25	0	21.28	21.41	21.65			
5	64QAM	1	0	21.07	21.13	21.29			
5	64QAM	1	12	21.10	21.37	21.55			
5	64QAM	1	24	21.06	21.16	21.32	22.5	2	
5	64QAM	12	0	20.23	20.43	20.58			
5	64QAM	12	7	20.30	20.43	20.63			
5	64QAM	12	13	20.23	20.34	20.59			
5	64QAM	25	0	20.27	20.47	20.68	21.5	3	

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				37850	38000	38150	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.66	19.58	19.68	21	0	
20	QPSK	1	49	20.05	20.20	20.17			
20	QPSK	1	99	19.66	19.73	19.76			
20	QPSK	50	0	19.73	19.88	19.75			
20	QPSK	50	24	19.79	19.81	19.80	21	0	
20	QPSK	50	50	19.70	19.79	19.70			
20	QPSK	100	0	19.75	19.87	19.80			
20	16QAM	1	0	19.49	19.53	19.70			
20	16QAM	1	49	19.89	20.11	20.15	21	0	
20	16QAM	1	99	19.71	19.77	19.83			
20	16QAM	50	0	19.72	19.83	19.96			
20	16QAM	50	24	19.73	19.87	20.02			
20	16QAM	50	50	19.70	19.82	19.95	21	0	
20	16QAM	100	0	19.73	19.86	20.02			
20	64QAM	1	0	19.24	19.33	19.38			
20	64QAM	1	49	19.65	19.90	19.89			
20	64QAM	1	99	19.44	19.55	19.64	21	0	
20	64QAM	50	0	19.72	19.80	19.95			
20	64QAM	50	24	19.70	19.83	19.99			
20	64QAM	50	50	19.68	19.80	19.96			
20	64QAM	100	0	19.74	19.86	19.96	21	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	19.52	19.53	19.82	21	0	
15	QPSK	1	37	19.98	20.08	20.04			
15	QPSK	1	74	19.53	19.64	19.68			
15	QPSK	36	0	19.63	19.77	19.62			
15	QPSK	36	20	19.71	19.71	19.65	21	0	
15	QPSK	36	39	19.64	19.72	19.82			
15	QPSK	75	0	19.67	19.74	19.68			
15	16QAM	1	0	19.37	19.38	19.60			
15	16QAM	1	37	19.74	20.03	20.00	21	0	
15	16QAM	1	74	19.65	19.71	19.77			
15	16QAM	36	0	19.57	19.78	19.91			
15	16QAM	36	20	19.67	19.77	19.97			
15	16QAM	36	39	19.58	19.74	19.83	21	0	
15	16QAM	75	0	19.59	19.78	19.92			
15	16QAM	1	0	19.14	19.24	19.25			
15	64QAM	1	37	19.51	19.83	19.84			
15	64QAM	1	74	19.36	19.44	19.55	21	0	
15	64QAM	36	0	19.58	19.69	19.92			
15	64QAM	36	20	19.60	19.70	19.82			
15	64QAM	36	39	19.61	19.72	19.87			
15	64QAM	75	0	19.60	19.72	19.88	21	0	
Channel				37750	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
10	QPSK	1	0	19.55	19.44	19.59	21	0	
10	QPSK	1	25	19.92	20.14	20.02			
10	QPSK	1	49	19.59	19.64	19.71			
10	QPSK	25	0	19.64	19.74	19.61			
10	QPSK	25	12	19.67	19.70	19.74	21	0	
10	QPSK	25	25	19.61	19.66	19.57			
10	QPSK	50	0	19.69	19.78	19.68			
10	16QAM	1	0	19.42	19.39	19.55			
10	16QAM	1	25	19.82	20.02	20.07	21	0	
10	16QAM	1	49	19.59	19.72	19.69			
10	16QAM	25	0	19.64	19.74	19.65			
10	16QAM	25	12	19.68	19.75	19.91			
10	16QAM	25	25	19.58	19.69	19.86	21	0	
10	16QAM	50	0	19.65	19.76	19.92			
10	64QAM	1	0	19.18	19.26	19.32			
10	64QAM	1	25	19.55	19.75	19.77			
10	64QAM	1	49	19.39	19.46	19.51	21	0	
10	64QAM	25	0	19.60	19.75	19.83			
10	64QAM	25	12	19.64	19.78	19.92			
10	64QAM	25	25	19.58	19.70	19.86			
10	64QAM	50	0	19.62	19.73	19.85	21	0	
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	19.55	19.52	19.63	21	0	
5	QPSK	1	12	20.00	20.10	20.03			
5	QPSK	1	24	19.61	19.61	19.68			
5	QPSK	12	0	19.64	19.78	19.66			
5	QPSK	12	7	19.65	19.66	19.71	21	0	
5	QPSK	12	19	19.61	19.73	19.66			
5	QPSK	25	0	19.62	19.78	19.67			
5	16QAM	1	0	19.34	19.38	19.57			
5	16QAM	1	12	19.79	20.02	20.09	21	0	
5	16QAM	1	24	19.65	19.68	19.77			
5	16QAM	12	0	19.66	19.72	19.84			
5	16QAM	12	7	19.65	19.79	19.97			
5	16QAM	12	13	19.58	19.69	19.88	21	0	
5	16QAM	25	0	19.61	19.75	19.94			
5	64QAM	1	0	19.18	19.26	19.32			
5	64QAM	1	12	19.60	19.82	19.83			
5	64QAM	1	24	19.31	19.45	19.58	21	0	
5	64QAM	12	0	19.66	19.67	19.84			
5	64QAM	12	7	19.61	19.70	19.93			
5	64QAM	12	13	19.57	19.75	19.89			
5	64QAM	25	0	19.62	19.79	19.89	21	0	

Band 41_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140			
Frequency (MHz)				2545	2571	2598	2645			
20	QPSK	1	0	23.30	23.22	23.18	23.43	24.5	0	
20	QPSK	1	49	23.37	23.39	23.50	23.88			
20	QPSK	1	99	23.22	23.13	23.38	23.51			
20	QPSK	50	0	22.29	22.38	22.48	22.85			
20	QPSK	50	24	22.22	22.29	22.47	22.80	23.5	1	
20	QPSK	50	50	22.21	22.37	22.42	22.74			
20	QPSK	100	0	22.18	22.36	22.61	22.72			
20	16QAM	1	0	22.20	22.15	22.23	22.49			
20	16QAM	1	49	22.47	22.55	22.72	22.97	23.5	1	
20	16QAM	1	99	22.14	22.23	22.38	22.60			
20	16QAM	50	0	21.23	21.33	21.50	21.74			
20	16QAM	50	24	21.23	21.35	21.51	21.92			
20	16QAM	50	50	21.25	21.33	21.51	21.90	22.5	2	
20	16QAM	100	0	21.19	21.35	21.48	21.83			
20	64QAM	1	0	21.02	21.04	20.96	21.36			
20	64QAM	1	49	21.21	21.34	21.44	21.74			
20	64QAM	1	99	21.00	20.99	21.14	21.39	22.5	2	
20	64QAM	50	0	20.13	20.26	20.36	20.74			
20	64QAM	50	24	20.12	20.24	20.48	20.87			
20	64QAM	50	50	20.18	20.27	20.37	20.78			
20	64QAM	100	0	20.13	20.30	20.48	20.78	21.5	3	
Channel				40115	40395	40685	41165			
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5			
15	QPSK	1	0	23.15	23.06	23.21	23.25	24.5	0	
15	QPSK	1	37	23.27	23.45	23.52	23.52			
15	QPSK	1	74	23.14	23.26	23.45	23.43			
15	QPSK	36	0	22.29	22.28	22.55	22.58			
15	QPSK	36	20	22.31	22.37	22.54	22.58	23.5	1	
15	QPSK	36	39	22.37	22.44	22.59	22.66			
15	QPSK	75	0	22.29	22.35	22.56	22.49			
15	16QAM	1	0	22.31	22.19	22.36	22.45			
15	16QAM	1	37	22.47	22.49	22.63	22.65	23.5	1	
15	16QAM	1	74	22.27	22.31	22.52	22.47			
15	16QAM	36	0	21.15	21.27	21.49	21.55			
15	16QAM	36	20	21.21	21.24	21.51	21.54			
15	16QAM	36	39	21.16	21.20	21.46	21.56	22.5	2	
15	16QAM	75	0	21.19	21.28	21.45	21.56			
15	64QAM	1	0	20.88	20.97	21.07	21.10			
15	64QAM	1	37	21.14	21.21	21.37	21.38			
15	64QAM	1	74	21.05	21.04	21.33	21.27	22.5	2	
15	64QAM	36	0	20.22	20.25	20.52	20.58			
15	64QAM	36	20	20.23	20.26	20.47	20.44			
15	64QAM	36	39	20.25	20.32	20.47	20.51			
15	64QAM	75	0	20.16	20.30	20.40	20.44	21.5	3	
Channel				40090	40390	40690	41190			
Frequency (MHz)				2540	2570	2600	2650			
10	QPSK	1	0	23.20	23.23	23.44	23.49	24.5	0	
10	QPSK	1	25	23.12	23.24	23.35	23.44			
10	QPSK	1	49	23.26	23.30	23.52	23.56			
10	QPSK	25	0	22.28	22.36	22.59	22.66			
10	QPSK	25	12	22.28	22.33	22.67	22.67	23.5	1	
10	QPSK	25	25	22.33	22.35	22.46	22.64			
10	QPSK	50	0	22.35	22.30	22.52	22.47			
10	16QAM	1	0	22.37	22.35	22.52	22.51			
10	16QAM	1	25	22.21	22.32	22.45	22.53	23.5	1	
10	16QAM	1	49	22.28	22.44	22.53	22.58			
10	16QAM	25	0	21.30	21.37	21.84	21.65			
10	16QAM	25	12	21.30	21.30	21.54	21.63			
10	16QAM	25	25	21.36	21.34	21.51	21.61	22.5	2	
10	16QAM	50	0	21.32	21.36	21.58	21.49			
10	64QAM	1	0	21.02	21.11	21.18	21.24			
10	64QAM	1	25	21.01	21.11	21.32	21.30			
10	64QAM	1	49	21.01	21.10	21.41	21.35	22.5	2	
10	64QAM	25	0	20.26	20.30	20.64	20.56			
10	64QAM	25	12	20.38	20.30	20.60	20.67			
10	64QAM	25	25	20.31	20.34	20.56	20.53			
10	64QAM	50	0	20.24	20.27	20.39	20.57	21.5	3	
Channel				40065	40365	40705	41215			
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5			
5	QPSK	1	0	23.18	23.12	23.33	23.29	24.5	0	
5	QPSK	1	12	23.30	23.34	23.54	23.54			
5	QPSK	1	24	23.12	23.20	23.37	23.45			
5	QPSK	12	0	22.31	22.31	22.62	22.57			
5	QPSK	12	7	22.38	22.39	22.65	22.60	23.5	1	
5	QPSK	12	13	22.28	22.29	22.65	22.46			
5	QPSK	25	0	22.26	22.33	22.45	22.44			
5	16QAM	1	0	22.24	22.29	22.42	22.49			
5	16QAM	1	12	22.40	22.51	22.65	22.62	23.5	1	
5	16QAM	1	24	22.26	22.29	22.49	22.46			
5	16QAM	12	0	21.23	21.21	21.48	21.51			
5	16QAM	12	7	21.32	21.30	21.53	21.62			
5	16QAM	12	13	21.19	21.22	21.45	21.47	22.5	2	
5	16QAM	25	0	21.32	21.30	21.52	21.55			
5	64QAM	1	0	20.97	21.01	21.27	21.15			
5	64QAM	1	12	21.13	21.24	21.41	21.42			
5	64QAM	1	24	20.97	21.08	21.21	21.26	22.5	2	
5	64QAM	12	0	20.16	20.25	20.46	20.44			
5	64QAM	12	7	20.24	20.26	20.52	20.54			
5	64QAM	12	13	20.21	20.26	20.46	20.46			
5	64QAM	25	0	20.29	20.30	20.50	20.53	Tune-up limit (dBm)	MPR (dB)	

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41160			
Frequency (MHz)				2545	2571	2598	2645			
20	QPSK	1	0	19.51	19.56	19.44	19.70	21	0	
20	QPSK	1	49	19.59	19.69	19.88	20.15			
20	QPSK	1	99	19.50	19.55	19.63	19.79			
20	QPSK	50	0	19.49	19.42	20.04	20.05			
20	QPSK	50	24	19.44	19.52	19.73	19.95	21	0	
20	QPSK	50	50	19.47	19.58	19.70	20.02			
20	QPSK	100	0	19.43	19.56	19.83	20.00			
20	16QAM	1	0	19.50	19.31	19.49	19.86			
20	16QAM	1	49	19.66	19.76	19.72	19.85	21	0	
20	16QAM	1	99	19.55	19.48	19.71	19.50			
20	16QAM	50	0	19.49	19.52	19.66	19.90			
20	16QAM	50	24	19.45	19.60	19.74	19.95			
20	16QAM	50	50	19.49	19.53	19.74	19.89	21	0	
20	16QAM	100	0	19.42	19.61	19.79	20.07			
20	64QAM	1	0	19.30	19.10	19.28	19.61			
20	64QAM	1	49	19.44	19.46	19.50	19.70			
20	64QAM	1	99	19.20	19.21	19.48	19.61	21	0	
20	64QAM	50	0	19.45	19.44	19.76	20.06			
20	64QAM	50	24	19.41	19.47	19.81	20.10			
20	64QAM	50	50	19.44	19.49	19.79	20.01	21	0	
20	64QAM	100	0	19.43	19.55	19.77	20.03			
Channel				40115	40395	40685	41165			
Frequency (MHz)				2542.5	2570.5	2599.5	2645			
15	QPSK	1	0	19.41	19.45	19.37	19.56	21	0	
15	QPSK	1	37	19.52	19.59	19.40	19.75			
15	QPSK	1	74	19.42	19.45	19.54	19.72			
15	QPSK	36	0	19.34	19.33	19.61	19.95			
15	QPSK	36	20	19.35	19.39	19.63	19.84	21	0	
15	QPSK	36	39	19.38	19.51	19.65	19.90			
15	QPSK	75	0	19.30	19.44	19.74	19.89			
15	16QAM	1	0	19.37	19.20	19.40	19.73			
15	16QAM	1	37	19.55	19.70	19.58	19.74	21	0	
15	16QAM	1	74	19.48	19.36	19.64	19.43			
15	16QAM	36	0	19.41	19.41	19.59	19.80			
15	16QAM	36	20	19.36	19.55	19.69	19.82			
15	16QAM	36	39	19.37	19.47	19.60	19.76	21	0	
15	16QAM	75	0	19.27	19.50	19.85	19.99			
15	64QAM	1	0	19.23	19.05	19.19	19.49			
15	64QAM	1	37	19.39	19.37	19.42	19.59			
15	64QAM	1	74	19.10	19.10	19.36	19.46	21	0	
15	64QAM	36	0	19.37	19.29	19.69	19.99			
15	64QAM	36	20	19.32	19.36	19.66	20.01			
15	64QAM	36	39	19.38	19.39	19.66	19.98			
15	64QAM	75	0	19.36	19.41	19.63	19.89	Tune-up limit (dBm) MPR (dB)		
Channel				40390	40590	40590	41150			
Frequency (MHz)				2550	2570	2600	2650			
10	QPSK	1	0	19.46	19.51	19.30	19.62	21	0	
10	QPSK	1	25	19.47	19.57	19.75	20.10			
10	QPSK	1	49	19.45	19.50	19.57	19.66			
10	QPSK	25	0	19.39	19.30	19.59	19.99			
10	QPSK	25	12	19.38	19.38	19.58	19.85	21	0	
10	QPSK	25	25	19.36	19.51	19.55	19.89			
10	QPSK	50	0	19.34	19.51	19.74	19.95			
10	16QAM	1	0	19.44	19.26	19.36	19.78			
10	16QAM	1	25	19.53	19.62	19.67	19.76	21	0	
10	16QAM	1	49	19.45	19.41	19.56	19.38			
10	16QAM	25	0	19.39	19.43	19.52	19.83			
10	16QAM	25	12	19.31	19.50	19.59	19.80			
10	16QAM	25	25	19.37	19.43	19.59	19.75	21	0	
10	16QAM	50	0	19.34	19.56	19.67	20.01			
10	64QAM	1	0	19.17	19.05	19.22	19.53			
10	64QAM	1	25	19.36	19.55	19.35	19.85			
10	64QAM	1	49	19.15	19.35	19.15	19.47	21	0	
10	64QAM	25	0	19.31	19.38	19.62	19.99			
10	64QAM	25	12	19.29	19.40	19.74	19.95			
10	64QAM	25	25	19.32	19.38	19.74	19.91			
10	64QAM	50	0	19.30	19.47	19.63	19.93	Tune-up limit (dBm) MPR (dB)		
Channel				40595	40585	40705	41215			
Frequency (MHz)				2637.5	2658.5	2615.5	2653.5			
5	QPSK	1	0	19.40	19.44	19.35	19.61	21	0	
5	QPSK	1	12	19.46	19.64	19.83	20.05			
5	QPSK	1	24	19.36	19.43	19.53	19.69			
5	QPSK	12	0	19.36	19.34	19.56	19.95			
5	QPSK	12	7	19.29	19.46	19.68	19.85	21	0	
5	QPSK	12	13	19.37	19.52	19.67	19.84			
5	QPSK	25	0	19.28	19.47	19.73	19.96			
5	16QAM	1	0	19.45	19.19	19.41	19.72			
5	16QAM	1	12	19.54	19.69	19.63	19.71	21	0	
5	16QAM	1	24	19.45	19.40	19.60	19.35			
5	16QAM	12	0	19.40	19.43	19.52	19.82			
5	16QAM	12	7	19.36	19.55	19.65	19.38			
5	16QAM	12	13	19.36	19.40	19.65	19.80	21	0	
5	16QAM	25	0	19.30	19.54	19.69	19.97			
5	64QAM	1	0	19.25	19.05	19.18	19.47			
5	64QAM	1	12	19.35	19.32	19.41	19.63			
5	64QAM	1	24	19.07	19.15	19.38	19.50	21	0	
5	64QAM	12	0	19.35	19.30	19.61	19.34			
5	64QAM	12	7	19.36	19.41	19.66	19.03			
5	64QAM	12	13	19.37	19.34	19.72	19.86			
5	64QAM	25	0	19.28	19.41	19.68	19.98	Tune-up limit (dBm) MPR (dB)		

Reduced Power for DS12

GSM850_Ant 0		Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
TX Channel		128	189	251	Limit (dBm)	128	189	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.28	32.39	32.42	33.50	23.28	23.39	23.42	24.50
GPRS 1 Tx slot		32.27	32.37	32.41	33.50	23.27	23.37	23.41	24.50
GPRS 2 Tx slots		29.82	29.94	29.95	30.50	23.82	23.94	23.95	24.50
GPRS 3 Tx slots		28.08	28.13	28.16	28.50	23.82	23.87	23.90	24.24
GPRS 4 Tx slots		26.73	26.83	26.82	27.50	23.73	23.83	23.82	24.50
EDGE 1 Tx slot		27.04	27.06	27.02	28.00	18.04	18.06	18.02	19.00
EDGE 2 Tx slots		24.17	24.15	23.80	25.00	18.17	18.15	17.80	19.00
EDGE 3 Tx slots		22.65	22.57	22.50	24.00	18.39	18.31	18.24	19.74
EDGE 4 Tx slots		21.07	21.15	21.01	22.50	18.07	18.15	18.01	19.50
GSM1900_Ant 0		Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.52	29.52	29.37	30.50	20.52	20.52	20.37	21.50
GPRS 1 Tx slot		29.51	29.53	29.36	30.50	20.51	20.53	20.36	21.50
GPRS 2 Tx slots		27.12	27.11	26.96	27.50	21.12	21.11	20.96	21.50
GPRS 3 Tx slots		25.35	25.38	25.20	25.50	21.09	21.12	20.94	21.24
GPRS 4 Tx slots		23.99	24.02	23.88	24.50	20.99	21.02	20.88	21.50
EDGE 1 Tx slot		25.91	26.01	25.87	27.00	16.91	17.01	16.87	18.00
EDGE 2 Tx slots		22.96	23.09	22.73	24.00	16.96	17.09	16.73	18.00
EDGE 3 Tx slots		20.85	21.01	20.93	22.00	16.59	16.75	16.67	17.74
EDGE 4 Tx slots		19.68	19.61	19.51	21.00	16.68	16.61	16.51	18.00

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
TX Channel		128	189	251	Limit (dBm)	128	189	251	Limit (dBm)
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.39	32.48	32.47	33.50	23.39	23.48	23.47	24.50
GPRS 1 Tx slot		32.38	32.45	32.46	33.50	23.38	23.45	23.46	24.50
GPRS 2 Tx slots		29.95	30.05	30.02	30.50	23.95	24.05	24.02	24.50
GPRS 3 Tx slots		28.16	28.21	28.21	28.50	23.90	23.95	23.95	24.24
GPRS 4 Tx slots		26.83	26.89	26.87	27.50	23.83	23.89	23.87	24.50
EDGE 1 Tx slot		27.04	27.13	26.94	28.00	18.04	18.13	17.94	19.00
EDGE 2 Tx slots		24.03	24.08	23.74	25.00	18.03	18.08	17.74	19.00
EDGE 3 Tx slots		22.63	22.56	22.38	24.00	18.37	18.30	18.12	19.74
EDGE 4 Tx slots		21.13	21.23	20.91	22.50	18.13	18.23	17.91	19.50
GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up Limit	Frame Average Power (dBm)			Tune-up Limit
TX Channel		512	661	810	Limit (dBm)	512	661	810	Limit (dBm)
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.42	29.51	29.59	30.50	20.42	20.51	20.59	21.50
GPRS 1 Tx slot		29.41	29.42	29.58	30.50	20.41	20.42	20.58	21.50
GPRS 2 Tx slots		27.07	27.09	27.11	27.50	21.07	21.09	21.11	21.50
GPRS 3 Tx slots		25.30	25.24	25.37	25.50	21.04	20.98	21.11	21.24
GPRS 4 Tx slots		23.97	24.06	24.05	24.50	20.97	21.06	21.05	21.50
EDGE 1 Tx slot		25.83	26.14	26.17	27.00	16.83	17.14	17.17	18.00
EDGE 2 Tx slots		22.85	23.13	23.08	24.00	16.85	17.13	17.08	18.00
EDGE 3 Tx slots		21.02	21.23	21.13	22.00	16.76	16.97	16.87	17.74
EDGE 4 Tx slots		19.62	19.83	19.82	21.00	16.62	16.83	16.82	18.00

Band		WCDMA I_Ant 0			Tune-up Limit	WCDMA I_Ant 1			Tune-up Limit
TX Channel		9262	9400	9538	Limit (dBm)	9262	9400	9538	Limit (dBm)
Rx Channel		9662	9800	9938		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	Limit (dBm)	1852.4	1880	1907.6	Limit (dBm)
3GPP Rel 99	AMR 12.2Kbps	22.80	22.85	22.89	24.00	22.84	22.91	22.91	24.00
3GPP Rel 99	RMC 12.2Kbps	22.81	22.97	22.90	24.00	22.85	22.94	22.93	24.00
3GPP Rel 6	HSDPA Subtest-1	21.77	21.84	21.84	23.00	21.84	21.93	21.94	23.00
3GPP Rel 6	HSDPA Subtest-2	21.74	21.78	21.80	23.00	21.77	21.79	21.84	23.00
3GPP Rel 6	HSDPA Subtest-3	21.26	21.27	21.39	22.00	21.33	21.34	21.39	22.00
3GPP Rel 6	HSDPA Subtest-4	21.24	21.31	21.37	22.00	21.25	21.34	21.40	22.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.66	21.77	21.68	23.00	21.78	21.78	21.80	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.66	21.70	21.68	23.00	21.69	21.68	21.70	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.11	21.20	21.24	22.00	21.17	21.22	21.23	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.08	21.23	21.30	22.00	21.12	21.27	21.29	22.00
3GPP Rel 6	HSUPA Subtest-1	20.81	20.39	20.45	21.00	20.95	20.47	20.51	21.00
3GPP Rel 6	HSUPA Subtest-2	20.36	20.36	20.34	21.00	20.46	20.53	20.54	21.00
3GPP Rel 6	HSUPA Subtest-3	21.33	21.40	21.48	22.00	21.46	21.50	21.60	22.00
3GPP Rel 6	HSUPA Subtest-4	19.85	19.99	19.94	20.50	19.90	19.98	20.09	20.50
3GPP Rel 6	HSUPA Subtest-5	21.30	21.40	21.30	22.00	21.40	21.40	21.30	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.23	20.23	20.23	21.00	20.41	20.38	20.45	21.00
Band		WCDMA V_Ant 0			Tune-up Limit	WCDMA V_Ant 1			Tune-up Limit
TX Channel		4182	4182	4233	Limit (dBm)	4182	4182	4233	Limit (dBm)
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	Limit (dBm)	826.4	836.4	846.6	Limit (dBm)
3GPP Rel 99	AMR 12.2Kbps	22.84	22.81	22.73	24.00	22.80	22.81	22.68	24.00
3GPP Rel 99	RMC 12.2Kbps	22.85	22.86	22.75	24.00	22.83	22.84	22.69	24.00
3GPP Rel 6	HSDPA Subtest-1	21.89	21.97	21.80	23.00	21.88	21.89	21.79	23.00
3GPP Rel 6	HSDPA Subtest-2	21.76	21.77	21.70	23.00	21.81	21.51	21.62	23.00
3GPP Rel 6	HSDPA Subtest-3	21.25	21.30	21.16	22.00	21.30	21.28	21.15	22.00
3GPP Rel 6	HSDPA Subtest-4	21.24	21.32	21.17	22.00	21.32	21.22	21.12	22.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.81	21.85	21.68	23.00	21.79	21.75	21.73	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.71	21.62	21.62	23.00	21.69	21.36	21.55	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.17	21.15	21.11	22.00	21.16	21.20	21.09	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.15	21.24	21.12	22.00	21.18	21.12	21.02	22.00
3GPP Rel 6	HSUPA Subtest-1	20.39	20.40	20.31	21.00	20.85	20.35	20.29	21.00
3GPP Rel 6	HSUPA Subtest-2	20.35	20.35	20.23	21.00	20.33	20.36	20.19	21.00
3GPP Rel 6	HSUPA Subtest-3	21.38	21.36	21.33	22.00	21.32	21.35	21.29	22.00
3GPP Rel 6	HSUPA Subtest-4	19.84	19.92	19.82	20.50	19.92	19.87	19.80	20.50
3GPP Rel 6	HSUPA Subtest-5	21.30	21.30	21.10	22.00	21.20	21.30	21.10	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.26	20.21	20.12	21.00	20.25	20.30	20.07	21.00

Band		WCDMA IV_Ant 0			Tune-up Limit	WCDMA IV_Ant 1			Tune-up Limit
TX Channel		1312	1413	1513	Limit (dBm)	1312	1413	1513	Limit (dBm)
Rx Channel		1537	1638	1738		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	Limit (dBm)	1712.4	1732.6	1752.6	Limit (dBm)
3GPP Rel 99	AMR 12.2Kbps	23.07	23.07	23.10	24.00	22.72	22.65	22.72	23.50
3GPP Rel 99	RMC 12.2Kbps	23.08	23.13	23.12	24.00	22.75	22.77	22.65	23.50
3GPP Rel 6	HSDPA Subtest-1	22.13	22.10	22.14	23.00	21.78	21.77	21.79	22.50
3GPP Rel 6	HSDPA Subtest-2	22.09	22.05	21.54	23.00	21.66	21.63	21.68	22.50
3GPP Rel 6	HSDPA Subtest-3	21.57	21.52	21.57	22.00	21.16	21.15	21.22	21.50
3GPP Rel 6	HSDPA Subtest-4	21.50	21.52	21.55	22.00	21.12	21.12	21.20	21.50
3GPP Rel 6	DC-HSDPA Subtest-1	22.06	22.05	21.99	23.00	21.57	21.50	21.63	22.50
3GPP Rel 6	DC-HSDPA Subtest-2	21.94	22.00	21.41	23.00	21.55	21.55	21.59	22.50
3GPP Rel 6	DC-HSDPA Subtest-3	21.47	21.37	21.50	22.00	21.00	20.96	20.92	21.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.37	21.39	21.41	22.00	21.04	21.00	21.07	21.50
3GPP Rel 6	HSUPA Subtest-1	20.61	20.55	20.59	21.00	20.36	20.28	20.28	20.50
3GPP Rel 6	HSUPA Subtest-2	20.62	20.56	20.61	21.00	20.29	20.26	20.30	20.50
3GPP Rel 6	HSUPA Subtest-3	21.62	21.61	21.61	22.00	21.28	21.21	21.28	21.50
3GPP Rel 6	HSUPA Subtest-4	20.13	20.15	20.08	20.50	19.75	19.81	19.72	20.00
3GPP Rel 6	HSUPA Subtest-5	21.50	21.60	21.60	22.00	21.30	21.20	21.10	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.50	20.46	20.45	21.00	20.10	20.05	20.08	20.50



Band 2_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	23.09	23.33	23.12	24.5	0						
20	QPSK	1	49	23.21	23.38	23.29								
20	QPSK	1	99	23.02	23.04	23.36								
20	QPSK	50	0	22.25	22.63	22.62	23.5	1						
20	QPSK	50	24	22.24	22.46	22.59								
20	QPSK	50	50	22.16	22.43	22.59								
20	QPSK	100	0	21.25	21.25	21.74	23.5	1						
20	16QAM	1	0	22.12	22.17	22.19								
20	16QAM	1	49	22.62	23.05	23.03								
20	16QAM	1	99	22.36	22.20	22.78	22.5	2						
20	16QAM	50	0	21.25	21.41	21.66								
20	16QAM	50	24	21.25	21.45	21.64								
20	16QAM	50	50	21.23	21.45	21.66	21.5	3						
20	16QAM	100	0	21.25	21.36	21.74								
20	64QAM	1	0	21.15	21.18	21.36								
20	64QAM	1	49	21.68	21.83	21.79	22.5	2						
20	64QAM	1	99	21.23	21.25	21.50								
20	64QAM	50	0	20.19	20.54	20.74								
20	64QAM	50	24	20.25	20.50	20.68	21.5	3						
20	64QAM	50	50	20.14	20.50	20.59								
20	64QAM	100	0	20.18	20.47	20.70								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.68	22.85	22.93	24.5	0						
15	QPSK	1	37	22.93	22.89	22.95								
15	QPSK	1	74	22.68	22.83	22.92								
15	QPSK	36	0	21.79	22.00	22.26	23.5	1						
15	QPSK	36	20	21.83	22.06	22.29								
15	QPSK	36	39	21.80	21.99	22.31								
15	QPSK	75	0	21.80	22.03	22.28	23.5	1						
15	16QAM	1	0	21.96	22.14	22.29								
15	16QAM	1	37	22.25	22.43	22.62								
15	16QAM	1	74	21.98	22.11	22.29	22.5	2						
15	16QAM	36	0	20.78	21.00	21.26								
15	16QAM	36	20	20.82	21.05	21.28								
15	16QAM	36	39	20.74	20.98	21.26	22.5	2						
15	16QAM	75	0	20.81	21.04	21.29								
15	64QAM	1	0	20.86	21.04	21.20								
15	64QAM	1	37	21.12	21.27	21.44	22.5	2						
15	64QAM	1	74	20.85	21.01	21.26								
15	64QAM	36	0	19.82	20.04	20.24								
15	64QAM	36	20	19.87	20.09	20.26	21.5	3						
15	64QAM	36	39	19.78	20.03	20.23								
15	64QAM	75	0	19.80	20.04	20.20								
Channel														
Frequency (MHz)														
10	QPSK	1	0	22.72	22.92	22.92	24.5	0						
10	QPSK	1	25	22.79	22.95	22.95								
10	QPSK	1	49	22.75	22.92	22.93								
10	QPSK	25	0	21.76	22.02	22.28	23.5	1						
10	QPSK	25	12	21.80	21.99	22.28								
10	QPSK	25	25	21.75	22.05	22.32								
10	QPSK	50	0	21.76	22.03	22.28	23.5	1						
10	16QAM	1	0	22.03	22.24	22.40								
10	16QAM	1	25	22.11	22.24	22.54								
10	16QAM	1	49	22.00	22.21	22.41	22.5	2						
10	16QAM	25	0	20.79	21.03	21.27								
10	16QAM	25	12	20.82	21.09	21.29								
10	16QAM	25	25	20.77	21.06	21.33	22.5	2						
10	16QAM	50	0	20.76	21.04	21.28								
10	64QAM	1	0	20.87	21.08	21.34								
10	64QAM	1	25	21.04	21.19	21.47	22.5	2						
10	64QAM	1	49	20.90	21.15	21.31								
10	64QAM	25	0	19.79	20.01	20.19								
10	64QAM	25	12	19.82	20.03	20.23	21.5	3						
10	64QAM	25	25	19.76	20.05	20.23								
10	64QAM	50	0	19.79	20.02	20.20								
Channel														
Frequency (MHz)														
5	QPSK	1	0	22.62	22.81	22.93	24.5	0						
5	QPSK	1	12	22.91	22.92	22.95								
5	QPSK	1	24	22.58	22.85	22.93								
5	QPSK	12	0	21.74	21.99	22.24	23.5	1						
5	QPSK	12	7	21.85	22.06	22.33								
5	QPSK	12	13	21.75	21.99	22.26								
5	QPSK	25	0	21.76	22.00	22.28	23.5	1						
5	16QAM	1	0	21.90	22.17	22.35								
5	16QAM	1	12	22.23	22.45	22.64								
5	16QAM	1	24	21.85	22.12	22.31	22.5	2						
5	16QAM	12	0	20.74	20.99	21.24								
5	16QAM	12	7	20.82	21.05	21.31								
5	16QAM	12	13	20.73	20.98	21.22	22.5	2						
5	16QAM	25	0	20.74	21.00	21.28								
5	64QAM	1	0	20.83	21.04	21.27								
5	64QAM	1	12	21.09	21.27	21.58	22.5	2						
5	64QAM	1	24	20.77	20.99	21.21								
5	64QAM	12	0	19.79	20.02	20.21								
5	64QAM	12	7	19.90	20.13	20.32	21.5	3						
5	64QAM	12	13	19.79	20.03	20.20								
5	64QAM	25	0	19.78	20.03	20.23								
Channel														
Frequency (MHz)														
3	QPSK	1	0	22.72	22.97	22.93	24.5	0						
3	QPSK	1	8	22.72	22.95	22.95								
3	QPSK	1	14	22.70	22.94	22.91								
3	QPSK	8	0	21.78	22.01	22.28	23.5	1						
3	QPSK	8	4	21.81	22.06	22.34								
3	QPSK	8	7	21.81	22.03	22.28								
3	QPSK	15	0	21.77	22.03	22.28	23.5	1						
3	16QAM	1	0	22.02	22.28	22.48								
3	16QAM	1	8	22.00	22.28	22.46								
3	16QAM	1	14	22.01	22.28	22.46	22.5	2						
3	16QAM	8	0	20.84	21.09	21.35								
3	16QAM	8	4	20.90	21.12	21.35								
3	16QAM	8	7	20.83	21.08	21.31	22.5	2						
3	16QAM	15	0	20.79	21.02	21.27								
3	64QAM	1	0	20.89	21.14	21.35								
3	64QAM	1	8	20.93	21.17	21.41	22.5	2						
3	64QAM	1	14	20.92	21.17	21.37								
3	64QAM	8	0	19.84	20.11	20.29								
3	64QAM	8	4	19.87	20.14	20.31	21.5	3						
3	64QAM	8	7	19.86	20.11	20.26								
3	64QAM	15	0	19.80	20.06	20.23								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	22.66	22.89	22.90	24.5	0						
1.4	QPSK	1	3	22.77	22.92	22.93								
1.4	QPSK	1	5	22.67	22.90	22.94								
1.4	QPSK	3	0	22.77	22.91	22.94	23.5	1						
1.4	QPSK	3	1	22.82	22.94	22.95								
1.4	QPSK	3	3	22.79	22.92	22.94								
1.4	QPSK	6	0	21.77	22.01	22.31	23.5	1						
1.4	16QAM	1	0	22.00	22.21	22.38								
1.4	16QAM	1	3	21.98	22.32	22.49								
1.4	16QAM	1	5	21.96	22.24	22.24	23.5	1						
1.4	16QAM	3	0	21.75	22.02	22.40								
1.4	16QAM	3	1	21.81	22.07	22.29								
1.4	16QAM	3	3	21.78	22.04	22.24	22.5	2						
1.4	16QAM	6	0	20.88	21.10	21.35								
1.4	16QAM	1	3	20.92	21.21	21.41								
1.4	64QAM	1	5	20.86	21.14	21.30	22.5	2						
1.4	64QAM	1	6	20.87	21.12	21.35								
1.4	64QAM	3	1	20.94	21.21	21.43								
1.4	64QAM	3	3	20.88	21.12	21.33								
1.4	64QAM	6	0	19.80	20.12	20.25								
1.4	64QAM	6	0	19.80	20.10	20.25	21.5	3						

Band 4_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20500	20750	20900				
Frequency (MHz)				1712.5	1732.5	1745.0				
20	QPSK	1	0	23.20	23.29	23.27	24.5	0		
20	QPSK	1	49	23.50	23.56	23.51				
20	QPSK	1	99	23.11	23.19	23.17				
20	QPSK	50	0	22.44	22.69	22.64	23.5	1		
20	QPSK	50	24	22.46	22.53	22.58				
20	QPSK	50	50	22.51	22.51	22.45				
20	QPSK	100	0	22.48	22.57	22.51	23.5	1		
20	16QAM	1	0	22.52	22.57	22.56				
20	16QAM	1	49	22.74	22.82	22.81				
20	16QAM	1	99	22.40	22.42	22.43	22.5	2		
20	16QAM	50	0	21.49	21.53	21.64				
20	16QAM	50	24	21.52	21.54	21.57				
20	16QAM	50	50	21.55	21.55	21.49	22.5	2		
20	16QAM	100	0	21.52	21.49	21.54				
20	64QAM	1	0	21.50	21.48	21.53				
20	64QAM	1	49	21.71	21.72	21.72	22.5	2		
20	64QAM	1	99	21.38	21.37	21.40				
20	64QAM	50	0	20.45	20.50	20.61				
20	64QAM	50	24	20.48	20.52	20.56	21.5	3		
20	64QAM	50	50	20.40	20.49	20.45				
20	64QAM	100	0	20.45	20.47	20.52				
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	22.99	23.10	23.13	24.5	0		
15	QPSK	1	37	23.14	23.25	22.98				
15	QPSK	1	74	22.96	23.00	23.02				
15	QPSK	36	0	22.12	22.14	22.23	23.5	1		
15	QPSK	36	20	22.11	22.15	22.22				
15	QPSK	36	39	22.12	22.15	22.12				
15	QPSK	75	0	22.10	22.14	22.17	23.5	1		
15	16QAM	1	0	22.32	22.40	22.37				
15	16QAM	1	37	22.47	22.57	22.50				
15	16QAM	1	74	22.28	22.26	22.26	22.5	2		
15	16QAM	36	0	21.12	21.19	21.23				
15	16QAM	36	20	21.11	21.17	21.20				
15	16QAM	36	39	21.15	21.15	21.15	22.5	2		
15	16QAM	75	0	21.15	21.15	21.15				
15	64QAM	1	0	21.23	21.32	21.40				
15	64QAM	1	37	21.38	21.38	21.44	22.5	2		
15	64QAM	1	74	21.21	21.18	21.25				
15	64QAM	36	0	20.11	20.17	20.20				
15	64QAM	36	20	20.12	20.17	20.21	21.5	3		
15	64QAM	36	39	20.08	20.17	20.12				
15	64QAM	75	0	20.08	20.14	20.16				
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715.0	1732.5	1750.0				
10	QPSK	1	0	23.09	23.16	23.20	24.5	0		
10	QPSK	1	25	23.16	23.26	23.25				
10	QPSK	1	49	23.05	23.08	23.13				
10	QPSK	25	0	22.16	22.23	22.25	23.5	1		
10	QPSK	25	12	22.15	22.20	22.22				
10	QPSK	25	25	22.19	22.13	22.23				
10	QPSK	50	0	22.15	22.26	22.22	23.5	1		
10	16QAM	1	0	22.37	22.41	22.44				
10	16QAM	1	25	22.44	22.49	22.48				
10	16QAM	1	49	22.38	22.33	22.39	22.5	2		
10	16QAM	25	0	21.20	21.24	21.28				
10	16QAM	25	12	21.20	21.25	21.27				
10	16QAM	25	25	21.22	21.18	21.18	22.5	2		
10	16QAM	50	0	21.21	21.29	21.22				
10	64QAM	1	0	21.33	21.35	21.39				
10	64QAM	1	25	21.40	21.42	21.42	22.5	2		
10	64QAM	1	49	21.31	21.27	21.26				
10	64QAM	25	0	20.12	20.20	20.25				
10	64QAM	25	12	20.13	20.20	20.25	21.5	3		
10	64QAM	25	25	20.12	20.16	20.19				
10	64QAM	50	0	20.10	20.17	20.21				
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	22.95	23.02	23.04	24.5	0		
5	QPSK	1	12	23.21	23.31	23.28				
5	QPSK	1	24	22.92	23.02	23.04				
5	QPSK	12	0	22.12	22.13	22.18	23.5	1		
5	QPSK	12	7	22.15	22.20	22.26				
5	QPSK	12	13	22.11	22.15	22.19				
5	QPSK	25	0	22.10	22.14	22.18	23.5	1		
5	16QAM	1	0	22.29	22.34	22.28				
5	16QAM	1	12	22.57	22.62	22.58				
5	16QAM	1	24	22.20	22.24	22.25	22.5	2		
5	16QAM	12	0	21.10	21.15	21.19				
5	16QAM	12	7	21.20	21.24	21.23				
5	16QAM	12	13	21.13	21.13	21.13	22.5	2		
5	16QAM	25	0	21.16	21.16	21.18				
5	64QAM	1	0	21.21	21.25	21.28				
5	64QAM	1	12	21.43	21.45	21.52	22.5	2		
5	64QAM	1	24	21.16	21.18	21.12				
5	64QAM	12	0	20.10	20.17	20.19				
5	64QAM	12	7	20.18	20.23	20.30	21.5	3		
5	64QAM	12	13	20.10	20.14	20.17				
5	64QAM	25	0	20.10	20.13	20.20				
Channel				19955	20175	20395	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	23.04	23.12	23.15	24.5	0		
1.4	QPSK	1	3	23.16	23.24	23.31				
1.4	QPSK	1	5	23.06	23.12	23.17				
1.4	QPSK	3	0	23.15	23.21	23.28	23.5	1		
1.4	QPSK	3	1	23.20	23.29	23.33				
1.4	QPSK	3	3	23.13	23.22	23.28				
1.4	QPSK	6	0	22.17	22.22	22.31	23.5	1		
1.4	16QAM	1	0	22.33	22.36	22.44				
1.4	16QAM	1	3	22.40	22.49	22.56				
1.4	16QAM	1	5	22.33	22.37	22.45	23.5	1		
1.4	16QAM	3	0	22.16	22.22	22.24				
1.4	16QAM	3	1	22.20	22.24	22.34				
1.4	16QAM	3	3	22.18	22.20	22.24	22.5	2		
1.4	16QAM	6	0	21.31	21.31	21.36				
1.4	16QAM	1	0	21.27	21.29	21.36				
1.4	64QAM	1	3	21.39	21.41	21.48	22.5	2		
1.4	64QAM	1	5	21.31	21.32	21.37				
1.4	64QAM	3	0	21.32	21.34	21.29				
1.4	64QAM	3	1	21.37	21.37	21.37	21.5	3		
1.4	64QAM	3	3	21.31	21.35	21.34				
1.4	64QAM	6	0	20.18	20.23	20.29				



Band 7_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				20600	21100	21560					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	23.02	23.29	22.90	24.5	0			
20	QPSK	1	49	23.25	23.37	23.28					
20	QPSK	1	99	22.93	22.99	23.14					
20	QPSK	50	0	22.23	22.28	22.29	23.5	1			
20	QPSK	50	24	22.32	22.38	22.32					
20	QPSK	50	50	22.31	22.28	22.31					
20	QPSK	100	0	22.23	22.32	22.31	23.5	1			
20	16QAM	1	0	22.29	22.22	22.12					
20	16QAM	1	49	22.59	22.56	22.63					
20	16QAM	1	99	22.22	22.29	22.43	22.5	2			
20	16QAM	50	0	21.22	21.27	21.27					
20	16QAM	50	24	21.28	21.28	21.31					
20	16QAM	50	50	20.29	20.28	20.31	21.5	3			
20	16QAM	100	0	21.23	21.27	21.32					
20	64QAM	1	0	21.21	21.05	21.07					
20	64QAM	1	49	21.50	21.45	21.51	22.5	2			
20	64QAM	1	99	21.16	21.14	21.30					
20	64QAM	50	0	20.25	20.25	20.29					
20	64QAM	50	24	20.30	20.28	20.33	21.5	3			
20	64QAM	50	50	20.29	20.28	20.30					
20	64QAM	100	0	20.24	20.30	20.32					
Channel				20625	21100	21575	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	23.25	23.28	23.12	24.5	0			
15	QPSK	1	37	23.28	23.27	23.22					
15	QPSK	1	74	23.28	23.25	23.27					
15	QPSK	36	0	22.32	22.31	22.36	23.5	1			
15	QPSK	36	20	22.37	22.33	22.41					
15	QPSK	36	39	22.35	22.31	22.46					
15	QPSK	75	0	22.41	22.36	22.37	23.5	1			
15	16QAM	1	0	22.53	22.34	22.29					
15	16QAM	1	37	22.85	22.51	22.41					
15	16QAM	1	74	22.39	22.65	22.37	22.5	2			
15	16QAM	36	0	21.30	21.40	21.26					
15	16QAM	36	20	21.43	21.34	21.40					
15	16QAM	36	39	21.31	21.30	21.39	22.5	2			
15	16QAM	75	0	21.31	21.32	21.42					
15	64QAM	1	0	21.55	21.50	21.41					
15	64QAM	1	37	21.90	21.14	21.95	22.5	2			
15	64QAM	1	74	21.57	21.45	21.68					
15	64QAM	36	0	20.41	20.33	20.35					
15	64QAM	36	20	20.45	20.44	20.39	21.5	3			
15	64QAM	36	39	20.45	20.40	20.48					
15	64QAM	75	0	20.43	20.30	20.40					
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	23.24	23.28	23.25	24.5	0			
10	QPSK	1	25	23.27	23.22	23.26					
10	QPSK	1	49	23.25	23.12	23.24					
10	QPSK	25	0	22.37	22.38	22.40	23.5	1			
10	QPSK	25	12	22.35	22.32	22.41					
10	QPSK	25	25	22.37	22.34	22.45					
10	QPSK	50	0	22.53	22.32	22.49	23.5	1			
10	16QAM	1	0	22.55	22.43	22.66					
10	16QAM	1	25	22.59	22.49	22.65					
10	16QAM	1	49	22.33	22.72	22.59	22.5	2			
10	16QAM	25	0	21.44	21.39	21.47					
10	16QAM	25	12	21.45	21.29	21.40					
10	16QAM	25	25	21.47	21.25	21.41	22.5	2			
10	16QAM	50	0	21.43	21.40	21.42					
10	64QAM	1	0	21.43	21.53	21.52					
10	64QAM	1	25	21.35	21.12	21.53	22.5	2			
10	64QAM	1	49	21.51	21.29	21.58					
10	64QAM	25	0	20.40	20.30	20.44					
10	64QAM	25	12	20.50	20.37	20.41	21.5	3			
10	64QAM	25	25	20.35	20.33	20.47					
10	64QAM	50	0	20.39	20.32	20.41					
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	23.24	23.23	23.27	24.5	0			
5	QPSK	1	12	23.27	23.23	23.26					
5	QPSK	1	24	23.21	23.15	23.26					
5	QPSK	12	0	22.38	22.21	22.50	23.5	1			
5	QPSK	12	7	22.44	22.28	22.50					
5	QPSK	12	13	22.40	22.27	22.45					
5	QPSK	25	0	22.38	22.22	22.45	23.5	1			
5	16QAM	1	0	22.37	22.34	22.41					
5	16QAM	1	12	22.96	22.11	22.75					
5	16QAM	1	24	22.66	22.29	22.38	22.5	2			
5	16QAM	12	0	21.30	21.38	21.42					
5	16QAM	12	7	21.43	21.29	21.48					
5	16QAM	12	13	21.43	21.30	21.44	22.5	2			
5	16QAM	25	0	21.51	21.27	21.43					
5	64QAM	1	0	21.61	21.48	21.57					
5	64QAM	1	12	21.95	21.55	21.90	22.5	2			
5	64QAM	1	24	21.44	21.15	21.61					
5	64QAM	12	0	20.39	20.25	20.45					
5	64QAM	12	7	20.44	20.38	20.50	21.5	3			
5	64QAM	12	13	20.39	20.31	20.41					
5	64QAM	25	0	20.26	20.23	20.47					

Band 7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20600	21100	21500			
Frequency (MHz)				2235	2235	2235			
20	QPSK	1	0	22.38	22.28	22.42	24	0	
20	QPSK	1	49	22.56	22.82	22.73			
20	QPSK	1	99	22.34	22.37	22.63			
20	QPSK	50	0	21.98	22.35	22.28	23.5	0.5	
20	QPSK	50	24	22.19	22.30	22.34			
20	QPSK	50	50	22.21	22.26	22.33			
20	QPSK	100	0	22.06	22.33	22.32	23.5	0.5	
20	16QAM	1	0	21.93	22.35	22.26			
20	16QAM	1	49	22.73	22.13	22.76			
20	16QAM	1	99	21.99	22.40	22.37	22.5	1.5	
20	16QAM	50	0	21.04	21.25	21.22			
20	16QAM	50	24	21.18	21.23	21.24			
20	16QAM	50	50	21.16	21.11	21.25	21.5	2.5	
20	16QAM	100	0	21.05	21.16	21.27			
20	64QAM	1	0	21.21	21.15	21.09			
20	64QAM	1	49	21.31	21.54	21.53	22.5	1.5	
20	64QAM	1	99	21.16	21.01	21.24			
20	64QAM	50	0	20.22	20.23	20.22			
20	64QAM	50	24	20.14	20.18	20.27	21.5	2.5	
20	64QAM	50	50	20.19	20.15	20.29			
20	64QAM	100	0	20.07	20.17	20.29			
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.27	22.23	22.33	24	0	
15	QPSK	1	37	22.49	22.75	22.66			
15	QPSK	1	74	22.22	22.28	22.51			
15	QPSK	36	0	21.87	22.21	22.23	23.5	0.5	
15	QPSK	36	20	22.13	22.25	22.22			
15	QPSK	36	39	22.06	22.15	22.25			
15	QPSK	75	0	21.92	22.20	22.17	23.5	0.5	
15	16QAM	1	0	21.79	22.21	22.15			
15	16QAM	1	37	22.64	22.08	22.66			
15	16QAM	1	74	21.94	21.31	22.23	22.5	1.5	
15	16QAM	36	0	20.96	21.16	21.14			
15	16QAM	36	20	21.04	21.13	21.16			
15	16QAM	36	39	21.03	21.15	21.14	21.5	2.5	
15	16QAM	75	0	20.92	21.06	21.21			
15	64QAM	1	0	21.14	21.09	21.04			
15	64QAM	1	37	21.22	21.45	21.46	22.5	1.5	
15	64QAM	1	74	21.01	20.84	21.09			
15	64QAM	36	0	20.13	20.10	20.10			
15	64QAM	36	20	20.05	20.05	20.15	21.5	2.5	
15	64QAM	36	39	20.00	20.00	20.20			
15	64QAM	75	0	20.01	20.09	20.20			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.23	22.14	22.28	24	0	
10	QPSK	1	25	22.50	22.76	22.64			
10	QPSK	1	49	22.29	22.32	22.58			
10	QPSK	25	0	21.84	22.29	22.16	23.5	0.5	
10	QPSK	25	12	22.06	22.23	22.31			
10	QPSK	25	25	22.08	22.15	22.27			
10	QPSK	50	0	21.91	22.26	22.24	23.5	0.5	
10	16QAM	1	0	21.79	22.26	22.21			
10	16QAM	1	25	22.66	22.01	22.69			
10	16QAM	1	49	21.93	22.32	22.24	22.5	1.5	
10	16QAM	25	0	20.96	21.12	21.12			
10	16QAM	25	12	21.10	21.10	21.10			
10	16QAM	25	25	21.10	20.96	21.19	21.5	2.5	
10	64QAM	1	0	21.06	21.07	21.02			
10	64QAM	1	25	21.20	21.42	21.47			
10	64QAM	1	49	21.02	20.88	21.13	22.5	1.5	
10	64QAM	25	0	20.15	20.17	20.10			
10	64QAM	25	12	20.08	20.15	20.19			
10	64QAM	25	25	20.10	20.01	20.17	21.5	2.5	
10	64QAM	50	0	19.96	20.03	20.15			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.28	22.17	22.34	24	0	
5	QPSK	1	12	22.51	22.73	22.65			
5	QPSK	1	24	22.25	22.30	22.52			
5	QPSK	12	0	21.81	22.23	22.23	23.5	0.5	
5	QPSK	12	7	22.05	22.22	22.29			
5	QPSK	12	13	22.16	22.18	22.25			
5	QPSK	25	0	21.98	22.24	22.26	23.5	0.5	
5	16QAM	1	0	21.84	22.26	22.21			
5	16QAM	1	12	22.67	22.06	22.68			
5	16QAM	1	24	21.90	22.26	22.29	22.5	1.5	
5	16QAM	12	0	20.97	21.12	21.07			
5	16QAM	12	7	21.07	21.09	21.09			
5	16QAM	12	13	21.05	21.01	21.14	21.5	2.5	
5	16QAM	25	0	20.96	21.09	21.20			
5	64QAM	1	0	21.15	21.06	21.00			
5	64QAM	1	12	21.19	21.44	21.43	22.5	1.5	
5	64QAM	1	24	21.05	20.88	21.12			
5	64QAM	12	0	20.08	20.10	20.12			
5	64QAM	12	7	20.09	20.01	20.16	21.5	2.5	
5	64QAM	12	13	20.13	20.01	20.14			
5	64QAM	25	0	19.95	20.04	20.22			



Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2320					
Frequency (MHz)				782					
10	QPSK	1	0		23.42		25	0	
10	QPSK	1	25		23.63				
10	QPSK	1	49		23.37				
10	QPSK	25	0		22.52		24	1	
10	QPSK	25	12		22.51				
10	QPSK	25	25		22.49				
10	QPSK	50	0		22.51		24	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.78				
10	16QAM	1	49		22.81		23	2	
10	16QAM	25	0		21.49				
10	16QAM	25	12		21.49				
10	16QAM	25	25		21.48		22	3	
10	16QAM	50	0		21.47				
10	64QAM	1	0		21.54				
10	64QAM	1	25		21.68		23	2	
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.51				
10	64QAM	25	12		20.53		22	3	
10	64QAM	25	25		20.52				
10	64QAM	50	0		20.51				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.34	23.31	23.31	25	0	
5	QPSK	1	12	23.62	23.61	23.61			
5	QPSK	1	24	23.33	23.30	23.25			
5	QPSK	12	0	22.48	22.50	22.47	24	1	
5	QPSK	12	7	22.56	22.55	22.50			
5	QPSK	12	13	22.45	22.47	22.45			
5	QPSK	25	0	22.49	22.49	22.45	24	1	
5	16QAM	1	0	22.58	22.60	22.55			
5	16QAM	1	12	22.92	22.85	22.89			
5	16QAM	1	24	22.62	22.58	22.54	23	2	
5	16QAM	12	0	21.39	21.47	21.45			
5	16QAM	12	7	21.51	21.45	21.45			
5	16QAM	12	13	21.43	21.42	21.39	23	2	
5	16QAM	25	0	21.45	21.46	21.43			
5	64QAM	1	0	21.49	21.44	21.46			
5	64QAM	1	12	21.73	21.74	21.74	23	2	
5	64QAM	1	24	21.46	21.47	21.37			
5	64QAM	12	0	20.45	20.52	20.49			
5	64QAM	12	7	20.59	20.54	20.50	22	3	
5	64QAM	12	13	20.49	20.46	20.44			
5	64QAM	25	0	20.45	20.47	20.43			

Band 18_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				822.5					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.56		25	0	
15	QPSK	1	37		23.64				
15	QPSK	1	74		23.46				
15	QPSK	36	0		22.65		24	1	
15	QPSK	36	20		22.62				
15	QPSK	36	39		22.67				
15	QPSK	75	0		22.67		24	1	
15	16QAM	1	0		22.68				
15	16QAM	1	37		22.63				
15	16QAM	1	74		22.85		23	2	
15	16QAM	36	0		21.57				
15	16QAM	36	20		21.62				
15	16QAM	36	39		21.58		23	2	
15	16QAM	75	0		21.55				
15	64QAM	1	0		21.73				
15	64QAM	1	37		21.88		23	2	
15	64QAM	1	74		21.41				
15	64QAM	36	0		20.65				
15	64QAM	36	20		20.63		22	3	
15	64QAM	36	39		20.55				
15	64QAM	75	0		20.56				
Channel				23900	23925	23950	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.53	23.55	23.53	25	0	
10	QPSK	1	25	23.52	23.55	23.54			
10	QPSK	1	49	23.53	23.47	23.50			
10	QPSK	25	0	22.56	22.61	22.52	24	1	
10	QPSK	25	12	22.62	22.63	22.56			
10	QPSK	25	25	22.62	22.55	22.55			
10	QPSK	50	0	22.62	22.58	22.58	24	1	
10	16QAM	1	0	22.92	22.95	22.99			
10	16QAM	1	25	22.69	23.00	22.46			
10	16QAM	1	49	22.70	23.00	22.84	23	2	
10	16QAM	25	0	21.65	21.55	21.55			
10	16QAM	25	12	21.60	21.52	21.60			
10	16QAM	25	25	21.64	21.61	21.61	23	2	
10	16QAM	50	0	21.63	21.57	21.64			
10	64QAM	1	0	21.78	21.85	21.63			
10	64QAM	1	25	21.86	21.95	21.75	23	2	
10	64QAM	1	49	21.58	21.84	21.46			
10	64QAM	25	0	20.61	20.56	20.58			
10	64QAM	25	12	20.60	20.46	20.56	22	3	
10	64QAM	25	25	20.64	20.59	20.50			
10	64QAM	50	0	20.56	20.59	20.62			
Channel				23875	23925	23975	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.37	23.45	23.42	25	0	
5	QPSK	1	12	23.54	23.52	23.44			
5	QPSK	1	24	23.47	23.34	23.39			
5	QPSK	12	0	22.57	22.46	22.55	24	1	
5	QPSK	12	7	22.60	22.54	22.61			
5	QPSK	12	13	22.58	22.59	22.54			
5	QPSK	25	0	22.58	22.54	22.53	24	1	
5	16QAM	1	0	22.80	22.55	22.35			
5	16QAM	1	12	22.98	22.81	22.81			
5	16QAM	1	24	22.83	22.56	22.51	23	2	
5	16QAM	12	0	21.59	21.52	21.54			
5	16QAM	12	7	21.68	21.58	21.56			
5	16QAM	12	13	21.61	21.61	21.51	23	2	
5	16QAM	25	0	21.68	21.53	21.50			
5	64QAM	1	0	21.26	21.62	21.61			
5	64QAM	1	12	22.08	21.80	21.88	23	2	
5	64QAM	1	24	21.81	21.60	21.72			
5	64QAM	12	0	20.49	20.43	20.52			
5	64QAM	12	7	20.65	20.57	20.52	22	3	
5	64QAM	12	13	20.65	20.60	20.48			
5	64QAM	25	0	20.52	20.46	20.40			

Band 18_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (dB)	
Channel				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.36		25	0	
15	QPSK	1	37		23.67				
15	QPSK	1	74		23.28				
15	QPSK	36	0		22.49		24	1	
15	QPSK	36	20		22.43				
15	QPSK	36	39		22.43				
15	QPSK	75	0		22.45		24	1	
15	16QAM	1	0		22.60				
15	16QAM	1	37		22.67				
15	16QAM	1	74		22.50		23	2	
15	16QAM	36	0		21.45				
15	16QAM	36	20		21.47		23	2	
15	16QAM	36	39		21.40				
15	16QAM	75	0		21.47				
15	64QAM	1	0		21.58		23	2	
15	64QAM	1	37		21.81				
15	64QAM	1	74		21.47				
15	64QAM	36	0		20.44		22	3	
15	64QAM	36	20		20.45				
15	64QAM	36	39		20.41				
15	64QAM	75	0		20.43				
Channel				23900	23925	23950	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.42	23.44	23.39	25	0	
10	QPSK	1	25	23.53	23.47	23.46			
10	QPSK	1	49	23.42	23.39	23.32			
10	QPSK	25	0	22.49	22.46	22.44	24	1	
10	QPSK	25	12	22.50	22.46	22.46			
10	QPSK	25	25	22.49	22.45	22.39			
10	QPSK	50	0	22.51	22.46	22.43	24	1	
10	16QAM	1	0	22.70	22.67	22.64			
10	16QAM	1	25	22.74	22.75	22.71			
10	16QAM	1	49	22.64	22.59	22.56	23	2	
10	16QAM	25	0	21.48	21.45	21.44			
10	16QAM	25	12	21.52	21.47	21.47			
10	16QAM	25	25	21.51	21.43	21.41	23	2	
10	16QAM	50	0	21.50	21.49	21.41			
10	64QAM	1	0	21.59	21.62	21.54			
10	64QAM	1	25	21.67	21.72	21.58	23	2	
10	64QAM	1	49	21.59	21.55	21.49			
10	64QAM	25	0	20.48	20.43	20.41			
10	64QAM	25	12	20.49	20.43	20.42	22	3	
10	64QAM	25	25	20.48	20.42	20.36			
10	64QAM	50	0	20.48	20.46	20.39			
Channel				23875	23925	23975	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.31	23.32	23.27	25	0	
5	QPSK	1	12	23.61	23.57	23.46			
5	QPSK	1	24	23.32	23.28	23.22			
5	QPSK	12	0	22.45	22.41	22.42	24	1	
5	QPSK	12	7	22.53	22.45	22.41			
5	QPSK	12	13	22.49	22.42	22.35			
5	QPSK	25	0	22.47	22.39	22.38	24	1	
5	16QAM	1	0	22.58	22.58	22.51			
5	16QAM	1	12	22.82	22.84	22.70			
5	16QAM	1	24	22.57	22.55	22.49	23	2	
5	16QAM	12	0	21.46	21.38	21.40			
5	16QAM	12	7	21.52	21.44	21.42			
5	16QAM	12	13	21.47	21.41	21.36	23	2	
5	16QAM	25	0	21.49	21.38	21.39			
5	64QAM	1	0	21.51	21.50	21.41			
5	64QAM	1	12	21.76	21.63	21.63	23	2	
5	64QAM	1	24	21.46	21.43	21.39			
5	64QAM	12	0	20.40	20.38	20.41			
5	64QAM	12	7	20.52	20.45	20.42	22	3	
5	64QAM	12	13	20.51	20.41	20.35			
5	64QAM	25	0	20.46	20.34	20.34			



Band 19_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				837.5						
15	QPSK	1	0		23.57		25	0		
15	QPSK	1	37		23.65					
15	QPSK	1	74		23.30					
15	QPSK	36	0		22.57		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.56					
15	QPSK	75	0		22.44		24	1		
15	16QAM	1	0		22.68					
15	16QAM	1	37		22.49					
15	16QAM	1	74		22.68		23	2		
15	16QAM	36	0		21.63					
15	16QAM	36	20		21.48					
15	16QAM	36	39		21.49		23	2		
15	16QAM	75	0		21.52					
15	64QAM	1	0		21.50		23	2		
15	64QAM	1	37		21.87					
15	64QAM	1	74		21.54					
15	64QAM	36	0		20.50		22	3		
15	64QAM	36	20		20.53					
15	64QAM	36	39		20.53					
15	64QAM	75	0		20.55					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.44	23.52	23.44	25	0		
10	QPSK	1	25	23.56	23.55	23.51				
10	QPSK	1	49	23.39	23.44	23.41				
10	QPSK	25	0	22.72	22.62	22.55	24	1		
10	QPSK	25	12	22.60	22.53	22.59				
10	QPSK	25	25	22.58	22.49	22.43				
10	QPSK	50	0	22.60	22.62	22.58	24	1		
10	16QAM	1	0	22.87	22.95	22.74				
10	16QAM	1	25	22.88	23.08	23.01				
10	16QAM	1	49	22.66	22.84	22.46	23	2		
10	16QAM	25	0	21.58	21.66	21.58				
10	16QAM	25	12	21.63	21.51	21.51				
10	16QAM	25	25	21.60	21.46	21.41	22	3		
10	16QAM	50	0	21.55	21.55	21.59				
10	64QAM	1	0	21.55	21.70	21.85				
10	64QAM	1	25	21.91	21.68	21.85				
10	64QAM	1	49	21.47	21.59	21.46	23	2		
10	64QAM	25	0	20.55	20.55	20.62				
10	64QAM	25	12	20.51	20.56	20.54				
10	64QAM	25	25	20.56	20.46	20.58	22	3		
10	64QAM	50	0	20.60	20.57	20.54				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.37	23.43	23.30	25	0		
5	QPSK	1	12	23.54	23.55	23.33				
5	QPSK	1	24	23.36	23.31	23.14				
5	QPSK	12	0	22.55	22.46	22.51	24	1		
5	QPSK	12	7	22.54	22.58	22.52				
5	QPSK	12	13	22.47	22.49	22.42				
5	QPSK	25	0	22.58	22.51	22.45	24	1		
5	16QAM	1	0	22.59	22.86	22.81				
5	16QAM	1	12	23.17	23.11	23.06				
5	16QAM	1	24	22.77	22.30	22.84	23	2		
5	16QAM	12	0	21.42	21.46	21.38				
5	16QAM	12	7	21.57	21.56	21.54				
5	16QAM	12	13	21.50	21.52	21.41	23	2		
5	16QAM	25	0	21.53	21.48	21.52				
5	64QAM	1	0	21.37	21.45	21.59				
5	64QAM	1	12	21.82	21.86	21.81	23	2		
5	64QAM	1	24	21.61	21.41	21.36				
5	64QAM	12	0	20.42	20.51	20.56				
5	64QAM	12	7	20.71	20.68	20.56	22	3		
5	64QAM	12	13	20.54	20.48	20.39				
5	64QAM	25	0	20.52	20.59	20.47				

Band 19_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				837.5						
15	QPSK	1	0		23.41		25	0		
15	QPSK	1	37		23.58					
15	QPSK	1	74		23.27					
15	QPSK	36	0		22.65		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.49					
15	QPSK	75	0		22.52		24	1		
15	16QAM	1	0		22.62					
15	16QAM	1	37		22.90					
15	16QAM	1	74		22.49		23	2		
15	16QAM	36	0		21.55					
15	16QAM	36	20		21.53					
15	16QAM	36	39		21.51		23	2		
15	16QAM	75	0		21.55					
15	64QAM	1	0		21.60		23	2		
15	64QAM	1	37		21.86					
15	64QAM	1	74		21.42					
15	64QAM	36	0		20.53		22	3		
15	64QAM	36	20		20.56					
15	64QAM	36	39		20.48					
15	64QAM	75	0		20.50					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.45	23.42	23.46	25	0		
10	QPSK	1	25	23.49	23.56	23.54				
10	QPSK	1	49	23.39	23.40	23.31				
10	QPSK	25	0	22.60	22.55	22.53	24	1		
10	QPSK	25	12	22.55	22.54	22.52				
10	QPSK	25	25	22.56	22.53	22.47				
10	QPSK	50	0	22.59	22.57	22.51	24	1		
10	16QAM	1	0	22.65	22.69	22.73				
10	16QAM	1	25	22.84	22.83	22.80				
10	16QAM	1	49	22.71	22.64	22.57	23	2		
10	16QAM	25	0	21.62	21.58	21.55				
10	16QAM	25	12	21.56	21.56	21.52				
10	16QAM	25	25	21.56	21.56	21.47	23	2		
10	16QAM	50	0	21.58	21.56	21.53				
10	64QAM	1	0	21.61	21.65	21.65				
10	64QAM	1	25	21.78	21.72	21.75	23	2		
10	64QAM	1	49	21.62	21.56	21.49				
10	64QAM	25	0	20.56	20.48	20.51				
10	64QAM	25	12	20.53	20.52	20.50	22	3		
10	64QAM	25	25	20.56	20.52	20.43				
10	64QAM	50	0	20.53	20.53	20.47				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.33	23.36	23.28	25	0		
5	QPSK	1	12	23.34	23.54	23.49				
5	QPSK	1	24	23.33	23.29	23.19				
5	QPSK	12	0	22.56	22.50	22.52	24	1		
5	QPSK	12	7	22.56	22.52	22.47				
5	QPSK	12	13	22.47	22.52	22.38				
5	QPSK	25	0	22.52	22.49	22.42	24	1		
5	16QAM	1	0	22.55	22.59	22.57				
5	16QAM	1	12	22.83	22.91	22.81				
5	16QAM	1	24	22.54	22.55	22.48	24	1		
5	16QAM	12	0	21.50	21.49	21.49				
5	16QAM	12	7	21.56	21.55	21.50				
5	16QAM	12	13	21.52	21.47	21.38	23	2		
5	16QAM	25	0	21.50	21.51	21.43				
5	64QAM	1	0	21.51	21.51	21.50				
5	64QAM	1	12	21.83	21.85	21.86	23	2		
5	64QAM	1	24	21.83	21.50	21.41				
5	64QAM	12	0	20.49	20.48	20.46				
5	64QAM	12	7	20.54	20.54	20.49	22	3		
5	64QAM	12	13	20.50	20.49	20.38				
5	64QAM	25	0	20.47	20.46	20.37				

Band 26_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26768	26866	26966				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	23.53	23.62	23.56	25	0		
15	QPSK	1	37	23.60	23.83	23.53				
15	QPSK	1	74	23.55	23.57	23.46				
15	QPSK	36	0	22.51	22.54	22.41	24	1		
15	QPSK	36	20	22.53	22.48	22.37				
15	QPSK	36	39	22.50	22.45	22.25				
15	QPSK	75	0	22.48	22.50	22.35	24	1		
15	16QAM	1	0	22.66	22.57	22.54				
15	16QAM	1	37	22.83	22.81	22.71				
15	16QAM	1	74	22.59	22.51	22.41	23	2		
15	16QAM	36	0	21.51	21.52	21.40				
15	16QAM	36	20	21.54	21.43	21.35				
15	16QAM	36	39	21.51	21.40	21.21	23	2		
15	16QAM	75	0	21.52	21.48	21.33				
15	64QAM	1	0	21.62	21.49	21.43				
15	64QAM	1	37	21.82	21.73	21.64	22	3		
15	64QAM	1	74	21.48	21.45	21.33				
15	64QAM	36	0	20.49	20.48	20.43				
15	64QAM	36	20	20.54	20.44	20.35	22	3		
15	64QAM	36	39	20.49	20.42	20.21				
15	64QAM	75	0	20.46	20.44	20.33				
Channel				26740	26866	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	23.51	23.37	23.30	25	0		
10	QPSK	1	25	23.57	23.45	23.29				
10	QPSK	1	49	23.41	23.32	23.20				
10	QPSK	25	0	22.57	22.54	22.39	24	1		
10	QPSK	25	12	22.56	22.45	22.34				
10	QPSK	25	25	22.58	22.42	22.31				
10	QPSK	50	0	22.58	22.50	22.31	24	1		
10	16QAM	1	0	22.69	22.57	22.59				
10	16QAM	1	25	22.78	22.68	22.56				
10	16QAM	1	49	22.66	22.61	22.47	23	2		
10	16QAM	25	0	21.55	21.51	21.37				
10	16QAM	25	12	21.56	21.43	21.32				
10	16QAM	25	25	21.58	21.41	21.15	23	2		
10	16QAM	50	0	21.58	21.46	21.28				
10	64QAM	1	0	21.63	21.55	21.48				
10	64QAM	1	25	21.77	21.61	21.52	22	3		
10	64QAM	1	49	21.66	21.47	21.39				
10	64QAM	25	0	20.53	20.52	20.38				
10	64QAM	25	12	20.54	20.43	20.32	22	3		
10	64QAM	25	25	20.53	20.41	20.19				
10	64QAM	50	0	20.54	20.48	20.31				
Channel				26715	26866	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	23.40	23.28	23.10	25	0		
5	QPSK	1	12	22.61	23.50	23.43				
5	QPSK	1	24	23.39	23.25	23.13				
5	QPSK	25	0	22.52	22.43	22.32	24	1		
5	QPSK	12	7	22.55	22.44	22.31				
5	QPSK	12	13	22.54	22.37	22.18				
5	QPSK	25	0	22.52	22.38	22.27	24	1		
5	16QAM	1	0	22.62	22.52	22.38				
5	16QAM	1	12	22.61	22.78	22.60				
5	16QAM	1	24	22.61	22.47	22.37	23	2		
5	16QAM	12	0	21.53	21.39	21.29				
5	16QAM	12	7	21.57	21.40	21.28				
5	16QAM	12	13	21.53	21.34	21.16	23	2		
5	16QAM	25	0	21.54	21.37	21.26				
5	64QAM	1	0	21.57	21.43	21.29				
5	64QAM	1	12	21.87	21.66	21.52	23	2		
5	64QAM	1	24	21.59	21.45	21.30				
5	64QAM	12	0	20.52	20.43	20.33				
5	64QAM	12	7	20.56	20.43	20.34	22	3		
5	64QAM	12	13	20.52	20.38	20.17				
5	64QAM	25	0	20.48	20.38	20.27				
Channel				26705	26866	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	23.53	23.42	23.21	25	0		
3	QPSK	1	8	23.48	23.36	23.22				
3	QPSK	1	14	23.49	23.36	23.25				
3	QPSK	8	0	22.54	22.40	22.28	24	1		
3	QPSK	8	4	22.58	22.45	22.32				
3	QPSK	8	7	22.52	22.40	22.27				
3	QPSK	15	0	22.58	22.43	22.28	24	1		
3	16QAM	1	0	22.72	22.63	22.45				
3	16QAM	1	8	22.72	22.59	22.47				
3	16QAM	1	14	22.75	22.61	22.47	23	2		
3	16QAM	8	0	21.63	21.47	21.33				
3	16QAM	8	4	21.63	21.49	21.35				
3	16QAM	8	7	21.60	21.44	21.30	23	2		
3	16QAM	15	0	21.58	21.40	21.29				
3	64QAM	1	0	21.69	21.52	21.36				
3	64QAM	1	8	21.65	21.53	21.41	23	2		
3	64QAM	1	14	21.72	21.52	21.40				
3	64QAM	8	0	20.55	20.44	20.31				
3	64QAM	8	4	20.58	20.44	20.29	22	3		
3	64QAM	8	7	20.55	20.41	20.29				
3	64QAM	15	0	20.50	20.39	20.24				
Channel				26697	26866	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.44	23.30	23.15	25	0		
1.4	QPSK	1	3	23.55	23.40	23.28				
1.4	QPSK	1	5	23.44	23.28	23.17				
1.4	QPSK	3	0	23.54	23.42	23.27	24	1		
1.4	QPSK	3	1	23.58	23.47	23.35				
1.4	QPSK	3	3	23.56	23.41	23.29				
1.4	QPSK	6	0	22.57	22.42	22.30	24	1		
1.4	16QAM	1	0	22.61	22.55	22.39				
1.4	16QAM	1	3	22.78	22.67	22.47				
1.4	16QAM	1	5	22.64	22.57	22.35	24	1		
1.4	16QAM	3	0	22.50	22.37	22.24				
1.4	16QAM	3	1	22.54	22.41	22.29				
1.4	16QAM	3	3	22.52	22.38	22.22	23	2		
1.4	16QAM	6	0	21.65	21.46	21.37				
1.4	64QAM	1	0	21.62	21.48	21.32				
1.4	64QAM	1	3	21.79	21.54	21.41	23	2		
1.4	64QAM	1	5	21.62	21.46	21.33				
1.4	64QAM	3	0	21.66	21.50	21.36				
1.4	64QAM	3	1	21.71	21.54	21.42	22	3		
1.4	64QAM	3	3	21.64	21.47	21.39				
1.4	64QAM	6	0	20.52	20.38	20.26				

Band 38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37850	38000	38150			
20	QPSK	1	0	23.26	23.34	23.21	24.5	0	
20	QPSK	1	49	23.70	23.72	23.71			
20	QPSK	1	99	23.12	23.20	23.31			
20	QPSK	50	0	22.28	22.48	22.46	23.5	1	
20	QPSK	50	24	22.34	22.40	22.42			
20	QPSK	50	50	22.33	22.33	22.42			
20	QPSK	100	0	22.30	22.48	22.42	23.5	1	
20	16QAM	1	0	22.10	22.15	22.22			
20	16QAM	1	49	22.56	22.62	22.67			
20	16QAM	1	99	22.27	22.24	22.30	22.5	2	
20	16QAM	50	0	21.35	21.40	21.52			
20	16QAM	50	24	21.36	21.43	21.56			
20	16QAM	50	50	21.31	21.39	21.54	22.5	2	
20	16QAM	100	0	21.35	21.41	21.55			
20	64QAM	1	0	20.89	20.87	20.98	22.5	2	
20	64QAM	1	49	21.24	21.35	21.47			
20	64QAM	1	99	20.98	21.03	21.14			
20	64QAM	50	0	20.23	20.38	20.44	21.5	3	
20	64QAM	50	24	20.29	20.36	20.45			
20	64QAM	50	50	20.27	20.32	20.49			
20	64QAM	100	0	20.34	20.40	20.54			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2617.5			
15	QPSK	1	0	23.09	23.21	23.30	24.5	0	
15	QPSK	1	37	23.30	23.32	23.32			
15	QPSK	1	74	23.27	23.26	23.33			
15	QPSK	36	0	22.34	22.41	22.54	23.5	1	
15	QPSK	36	20	22.43	22.46	22.58			
15	QPSK	36	39	22.46	22.53	22.54			
15	QPSK	75	0	22.31	22.39	22.44	23.5	1	
15	16QAM	1	0	22.21	22.30	22.45			
15	16QAM	1	37	22.50	22.56	22.65			
15	16QAM	1	74	22.36	22.44	22.49	22.5	2	
15	16QAM	36	0	21.24	21.42	21.39			
15	16QAM	36	20	21.33	21.46	21.51			
15	16QAM	36	39	21.34	21.44	21.52	22.5	2	
15	16QAM	75	0	21.24	21.34	21.54			
15	64QAM	1	0	21.05	21.05	21.14			
15	64QAM	1	37	21.24	21.33	21.47	22.5	2	
15	64QAM	1	74	21.09	21.20	21.32			
15	64QAM	36	0	20.26	20.44	20.50			
15	64QAM	36	20	20.31	20.44	20.51	21.5	3	
15	64QAM	36	39	20.34	20.40	20.51			
15	64QAM	75	0	20.25	20.36	20.54			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.27	23.29	23.25	24.5	0	
10	QPSK	1	25	23.21	23.29	23.26			
10	QPSK	1	49	23.34	23.30	23.32			
10	QPSK	25	0	22.37	22.54	22.60	23.5	1	
10	QPSK	25	12	22.45	22.46	22.60			
10	QPSK	25	25	22.42	22.49	22.60			
10	QPSK	50	0	22.37	22.43	22.56	23.5	1	
10	16QAM	1	0	22.41	22.43	22.48			
10	16QAM	1	25	22.36	22.46	22.54			
10	16QAM	1	49	22.42	22.50	22.62	22.5	2	
10	16QAM	25	0	21.34	21.57	21.64			
10	16QAM	25	12	21.39	21.51	21.67			
10	16QAM	25	25	21.39	21.47	21.68	22.5	2	
10	16QAM	50	0	21.44	21.41	21.71			
10	64QAM	1	0	21.11	21.24	21.33			
10	64QAM	1	25	21.18	21.21	21.33	22.5	2	
10	64QAM	1	49	21.18	21.22	21.41			
10	64QAM	25	0	20.40	20.56	20.62			
10	64QAM	25	12	20.39	20.50	20.63	21.5	3	
10	64QAM	25	25	20.35	20.41	20.67			
10	64QAM	50	0	20.33	20.44	20.58			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.17	23.28	23.26	24.5	0	
5	QPSK	1	12	23.31	23.27	23.24			
5	QPSK	1	24	23.17	23.26	23.29			
5	QPSK	12	0	22.25	22.56	22.59	23.5	1	
5	QPSK	12	7	22.38	22.53	22.66			
5	QPSK	12	13	22.26	22.46	22.63			
5	QPSK	25	0	22.31	22.43	22.54	23.5	1	
5	16QAM	1	0	22.23	22.39	22.48			
5	16QAM	1	12	22.40	22.53	22.67			
5	16QAM	1	24	22.28	22.37	22.47	22.5	2	
5	16QAM	12	0	21.26	21.43	21.58			
5	16QAM	12	7	21.28	21.43	21.61			
5	16QAM	12	13	21.22	21.29	21.56	22.5	2	
5	16QAM	25	0	21.28	21.41	21.65			
5	64QAM	1	0	21.07	21.13	21.29			
5	64QAM	1	12	21.10	21.37	21.55	22.5	2	
5	64QAM	1	24	21.06	21.16	21.32			
5	64QAM	12	0	20.23	20.43	20.58			
5	64QAM	12	7	20.30	20.43	20.63	21.5	3	
5	64QAM	12	13	20.23	20.34	20.59			
5	64QAM	25	0	20.27	20.47	20.68			

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.79	22.91	23.05	24.5	0	
20	QPSK	1	49	23.36	23.62	23.52			
20	QPSK	1	99	23.08	23.16	23.22			
20	QPSK	50	0	22.19	22.44	22.42	23.5	1	
20	QPSK	50	24	22.24	22.38	22.43			
20	QPSK	50	50	22.17	22.29	22.38			
20	QPSK	100	0	22.24	22.45	22.44	23.5	1	
20	16QAM	1	0	21.92	22.04	22.19			
20	16QAM	1	49	22.43	22.57	22.66			
20	16QAM	1	99	22.15	22.29	22.37	22.5	2	
20	16QAM	50	0	21.17	21.31	21.49			
20	16QAM	50	24	21.23	21.36	21.53			
20	16QAM	50	50	21.22	21.33	21.49	22.5	2	
20	16QAM	100	0	21.22	21.36	21.50			
20	64QAM	1	0	20.66	20.82	20.88	22.5	2	
20	64QAM	1	49	21.15	21.28	21.38			
20	64QAM	1	99	20.87	20.96	21.09			
20	64QAM	50	0	20.12	20.28	20.45	21.5	3	
20	64QAM	50	24	20.18	20.29	20.47			
20	64QAM	50	50	20.19	20.31	20.45			
20	64QAM	100	0	20.16	20.32	20.48			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2617.5			
15	QPSK	1	0	22.99	23.13	23.32	24.5	0	
15	QPSK	1	37	23.31	23.47	23.51			
15	QPSK	1	74	23.14	23.24	23.47			
15	QPSK	36	0	22.26	22.40	22.55	23.5	1	
15	QPSK	36	20	22.27	22.47	22.47			
15	QPSK	36	39	22.31	22.49	22.53			
15	QPSK	75	0	22.17	22.30	22.40	23.5	1	
15	16QAM	1	0	22.16	22.24	22.39			
15	16QAM	1	37	22.43	22.54	22.64			
15	16QAM	1	74	22.24	22.44	22.51	22.5	2	
15	16QAM	36	0	21.16	21.33	21.49			
15	16QAM	36	20	21.23	21.37	21.44			
15	16QAM	36	39	21.27	21.37	21.53	22.5	2	
15	16QAM	75	0	21.18	21.30	21.47			
15	5QAM	1	0	20.96	20.99	21.13			
15	64QAM	1	37	21.15	21.32	21.44	21.5	3	
15	64QAM	1	74	21.02	21.16	21.31			
15	64QAM	36	0	20.14	20.33	20.46			
15	64QAM	36	20	20.24	20.38	20.51	21.5	3	
15	64QAM	36	39	20.28	20.38	20.53			
15	64QAM	75	0	20.12	20.34	20.40			
Channel				37820	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.17	23.33	23.42	24.5	0	
10	QPSK	1	25	23.28	23.27	23.43			
10	QPSK	1	49	23.19	23.38	23.51			
10	QPSK	25	0	23.18	22.49	22.53	23.5	1	
10	QPSK	25	12	23.20	22.46	22.55			
10	QPSK	25	25	22.26	22.48	22.58			
10	QPSK	50	0	22.34	22.41	22.58	23.5	1	
10	16QAM	1	0	22.34	22.42	22.59			
10	16QAM	1	25	22.36	22.38	22.50			
10	16QAM	1	49	22.31	22.49	22.57	22.5	2	
10	16QAM	25	0	22.37	21.47	21.61			
10	16QAM	25	12	22.29	21.52	21.63			
10	16QAM	25	25	21.24	21.43	21.65	21.5	3	
10	16QAM	50	0	21.28	21.50	21.66			
10	16QAM	1	0	21.35	21.19	21.33			
10	5QAM	1	25	21.29	21.18	21.31	22.5	2	
10	5QAM	1	49	21.21	21.05	21.29			
10	5QAM	25	0	21.03	20.48	20.60			
10	64QAM	25	12	21.07	20.44	20.62	21.5	3	
10	64QAM	25	25	20.26	20.44	20.27			
10	64QAM	50	0	20.30	20.40	20.60			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2622.5	2625	2627.5			
5	QPSK	1	0	23.08	23.19	23.34	24.5	0	
5	QPSK	1	12	23.23	23.40	23.58			
5	QPSK	1	24	23.08	23.28	23.44			
5	QPSK	12	0	22.19	22.41	22.63	23.5	1	
5	QPSK	12	7	22.32	22.49	22.63			
5	QPSK	12	13	22.18	22.44	22.64			
5	QPSK	25	0	22.30	22.52	22.52	22.5	2	
5	16QAM	1	0	22.19	22.30	22.49			
5	16QAM	1	12	22.33	22.58	22.72			
5	16QAM	1	24	22.25	22.35	22.55	22.5	2	
5	16QAM	12	0	21.14	21.34	21.55			
5	16QAM	12	7	21.25	21.38	21.55			
5	16QAM	12	13	21.12	21.32	21.53	21.5	3	
5	16QAM	25	0	21.25	21.44	21.64			
5	64QAM	1	0	20.93	21.14	21.27			
5	64QAM	1	12	21.13	21.33	21.42	22.5	2	
5	64QAM	1	24	20.99	21.09	21.30			
5	64QAM	12	0	20.77	20.42	20.38			
5	64QAM	12	7	20.28	20.43	20.62	21.5	3	
5	64QAM	12	13	20.19	20.33	20.54			
5	64QAM	25	0	20.22	20.47	20.65			

Band 41_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140			
Frequency (MHz)				2545	2571	2598	2645			
20	QPSK	1	0	23.30	23.22	23.15	23.43	24.5	0	
20	QPSK	1	49	23.37	23.39	23.50	23.88			
20	QPSK	1	99	23.22	23.13	23.38	23.51			
20	QPSK	50	0	22.29	22.38	22.48	22.85			
20	QPSK	50	24	22.22	22.29	22.47	22.80	23.5	1	
20	QPSK	50	50	22.21	22.37	22.42	22.74			
20	QPSK	100	0	22.18	22.36	22.61	22.72			
20	16QAM	1	0	22.20	22.15	22.23	22.49			
20	16QAM	1	49	22.47	22.55	22.72	22.97	23.5	1	
20	16QAM	1	99	22.14	22.23	22.38	22.60			
20	16QAM	50	0	21.23	21.33	21.50	21.74			
20	16QAM	50	24	21.23	21.35	21.51	21.92			
20	16QAM	50	50	21.25	21.33	21.51	21.90	22.5	2	
20	16QAM	100	0	21.19	21.35	21.48	21.83			
20	64QAM	1	0	21.02	21.04	20.96	21.36			
20	64QAM	1	49	21.21	21.34	21.44	21.74			
20	64QAM	1	99	21.00	20.99	21.14	21.39	22.5	2	
20	64QAM	50	0	20.13	20.26	20.36	20.74			
20	64QAM	50	24	20.12	20.24	20.48	20.87			
20	64QAM	50	50	20.18	20.27	20.37	20.78			
20	64QAM	100	0	20.13	20.30	20.48	20.78	21.5	3	
Channel				40115	40395	40685	41165			
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5			
15	QPSK	1	0	23.15	23.06	23.21	23.25	24.5	0	
15	QPSK	1	37	23.27	23.45	23.52	23.52			
15	QPSK	1	74	23.14	23.26	23.45	23.43			
15	QPSK	36	0	22.29	22.28	22.55	22.58			
15	QPSK	36	20	22.31	22.37	22.54	22.58	23.5	1	
15	QPSK	36	39	22.37	22.44	22.59	22.66			
15	QPSK	75	0	22.29	22.35	22.56	22.49			
15	16QAM	1	0	22.31	22.19	22.36	22.45			
15	16QAM	1	37	22.47	22.49	22.63	22.65	23.5	1	
15	16QAM	1	74	22.27	22.31	22.52	22.47			
15	16QAM	36	0	21.15	21.27	21.49	21.55			
15	16QAM	36	20	21.21	21.24	21.51	21.54			
15	16QAM	36	39	21.16	21.20	21.46	21.56	22.5	2	
15	16QAM	75	0	21.19	21.28	21.45	21.56			
15	64QAM	1	0	20.88	20.97	21.07	21.10			
15	64QAM	1	37	21.14	21.21	21.37	21.38			
15	64QAM	1	74	21.05	21.04	21.33	21.27	22.5	2	
15	64QAM	36	0	20.22	20.25	20.52	20.58			
15	64QAM	36	20	20.23	20.26	20.47	20.44			
15	64QAM	36	39	20.25	20.32	20.47	20.51			
15	64QAM	75	0	20.16	20.30	20.40	20.44	21.5	3	
Channel				40390	40990	40990	41190			
Frequency (MHz)				2540	2570	2600	2650			
10	QPSK	1	0	23.20	23.23	23.44	23.49	24.5	0	
10	QPSK	1	25	23.12	23.24	23.35	23.44			
10	QPSK	1	49	23.26	23.30	23.52	23.56			
10	QPSK	25	0	22.28	22.36	22.59	22.66			
10	QPSK	25	12	22.28	22.33	22.67	22.67	23.5	1	
10	QPSK	25	25	22.33	22.35	22.46	22.64			
10	QPSK	50	0	22.35	22.30	22.52	22.47			
10	16QAM	1	0	22.37	22.35	22.52	22.51			
10	16QAM	1	25	22.21	22.32	22.45	22.53	23.5	1	
10	16QAM	1	49	22.28	22.44	22.53	22.58			
10	16QAM	25	0	21.30	21.37	21.84	21.65			
10	16QAM	25	12	21.30	21.30	21.54	21.63			
10	16QAM	25	25	21.36	21.34	21.51	21.61	22.5	2	
10	16QAM	50	0	21.32	21.36	21.58	21.49			
10	64QAM	1	0	21.02	21.11	21.18	21.24			
10	64QAM	1	25	21.01	21.11	21.32	21.30			
10	64QAM	1	49	21.01	21.10	21.41	21.35	22.5	2	
10	64QAM	25	0	20.26	20.30	20.64	20.56			
10	64QAM	25	12	20.38	20.30	20.60	20.67			
10	64QAM	25	25	20.31	20.34	20.56	20.53			
10	64QAM	50	0	20.24	20.27	20.39	20.57	21.5	3	
Channel				40695	40985	40705	41215			
Frequency (MHz)				2537.5	2569.5	2601.5	2652.5			
5	QPSK	1	0	23.18	23.12	23.33	23.29	24.5	0	
5	QPSK	1	12	23.30	23.34	23.54	23.54			
5	QPSK	1	24	23.12	23.20	23.37	23.45			
5	QPSK	12	0	22.31	22.31	22.62	22.57			
5	QPSK	12	7	22.38	22.39	22.65	22.60	23.5	1	
5	QPSK	12	13	22.28	22.29	22.65	22.46			
5	QPSK	25	0	22.26	22.33	22.45	22.44			
5	16QAM	1	0	22.24	22.29	22.42	22.49			
5	16QAM	1	12	22.40	22.51	22.65	22.62	23.5	1	
5	16QAM	1	24	22.26	22.29	22.49	22.46			
5	16QAM	12	0	21.23	21.21	21.48	21.51			
5	16QAM	12	7	21.32	21.30	21.53	21.62			
5	16QAM	12	13	21.19	21.22	21.45	21.47	22.5	2	
5	16QAM	25	0	21.32	21.30	21.52	21.55			
5	64QAM	1	0	20.97	21.01	21.27	21.15			
5	64QAM	1	12	21.13	21.24	21.41	21.42			
5	64QAM	1	24	20.97	21.08	21.21	21.26	22.5	2	
5	64QAM	12	0	20.16	20.25	20.46	20.44			
5	64QAM	12	7	20.24	20.26	20.52	20.54			
5	64QAM	12	13	20.21	20.26	20.46	20.46			
5	64QAM	25	0	20.29	20.30	20.50	20.53	Tune-up limit (dBm)	MPR (dB)	

Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41160			
Frequency (MHz)				2545	2571	2598	2645			
20	QPSK	1	0	22.80	22.83	22.85	23.13	24.5	0	
20	QPSK	1	49	22.99	23.10	23.33	23.68			
20	QPSK	1	99	22.85	22.95	23.10	23.17			
20	QPSK	50	0	21.89	22.01	22.28	22.55			
20	QPSK	50	24	21.82	21.95	22.27	22.49	23.5	1	
20	QPSK	50	50	21.86	21.99	22.18	22.38			
20	QPSK	100	0	21.85	22.00	22.27	22.44			
20	16QAM	1	0	21.71	21.76	21.94	22.19	23.5	1	
20	16QAM	1	49	22.10	22.25	22.43	22.40			
20	16QAM	1	99	21.80	21.91	22.14	22.24			
20	16QAM	50	0	20.99	20.96	21.26	21.56			
20	16QAM	50	24	20.88	20.95	21.21	21.57	22.5	2	
20	16QAM	50	50	20.91	21.04	21.23	21.56			
20	16QAM	100	0	20.84	21.07	21.28	21.54			
20	64QAM	1	0	20.59	20.56	20.66	21.02			
20	64QAM	1	49	20.87	20.93	21.22	21.43	22.5	2	
20	64QAM	1	99	20.57	20.62	20.95	21.07			
20	64QAM	50	0	19.74	19.90	20.10	20.46			
20	64QAM	50	24	19.85	19.95	20.24	20.57	21.5	3	
20	64QAM	50	50	19.85	19.98	20.22	20.45			
20	64QAM	100	0	19.81	20.01	20.26	20.49			
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5			
15	QPSK	1	0	22.69	22.77	23.03	23.05	24.5	0	
15	QPSK	1	37	22.87	23.07	23.37	23.29			
15	QPSK	1	74	22.70	22.92	23.18	23.25			
15	QPSK	36	0	21.83	22.04	22.35	22.39			
15	QPSK	36	20	21.85	22.09	22.30	22.33	23.5	1	
15	QPSK	36	39	21.91	22.10	22.38	22.40			
15	QPSK	75	0	21.82	21.96	22.30	22.29			
15	16QAM	1	0	21.87	21.87	22.07	22.09	23.5	1	
15	16QAM	1	37	22.01	22.17	22.41	22.42			
15	16QAM	1	74	21.86	22.10	22.32	22.30			
15	16QAM	36	0	20.79	20.96	21.21	21.27			
15	16QAM	36	20	20.86	20.95	21.24	21.25	22.5	2	
15	16QAM	36	39	20.83	21.02	21.25	21.29			
15	16QAM	75	0	20.85	20.95	21.24	21.28			
15	64QAM	1	0	20.58	20.65	20.95	20.92	22.5	2	
15	64QAM	1	37	20.75	20.89	21.15	21.16			
15	64QAM	1	74	20.65	20.83	21.05	21.06			
15	64QAM	36	0	19.83	19.97	20.26	20.22			
15	64QAM	36	20	19.81	20.00	20.24	20.17	21.5	3	
15	64QAM	36	39	19.89	20.05	20.25	20.29			
15	64QAM	75	0	19.87	19.97	20.15	20.27			
Channel				40390	40390	40950	41190	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2540	2570	2600	2650			
10	QPSK	1	0	22.84	22.95	23.15	23.14	24.5	0	
10	QPSK	1	25	22.66	22.85	23.13	23.13			
10	QPSK	1	49	22.78	22.99	23.26	23.29			
10	QPSK	25	0	21.82	22.00	22.34	22.38			
10	QPSK	25	12	21.83	21.98	22.38	22.37	23.5	1	
10	QPSK	25	25	21.91	22.04	22.34	22.35			
10	QPSK	50	0	21.91	22.05	22.26	22.26			
10	16QAM	1	0	21.85	22.02	22.24	22.27	23.5	1	
10	16QAM	1	25	21.78	22.01	22.32	22.31			
10	16QAM	1	49	21.99	22.06	22.35	22.42			
10	16QAM	25	0	20.85	21.03	21.33	21.45			
10	16QAM	25	12	20.95	20.96	21.34	21.40	22.5	2	
10	16QAM	25	25	20.95	21.06	21.25	21.33			
10	16QAM	50	0	20.95	21.04	21.36	21.41			
10	64QAM	1	0	20.69	20.74	21.04	21.03	22.5	2	
10	64QAM	1	25	20.59	20.80	21.03	21.03			
10	64QAM	1	49	20.71	20.84	21.07	21.08			
10	64QAM	25	0	19.86	19.99	20.32	20.40			
10	64QAM	25	12	19.94	20.09	20.35	20.38	21.5	3	
10	64QAM	25	25	19.92	20.06	20.32	20.40			
10	64QAM	50	0	19.87	20.01	20.28	20.34			
Channel				40955	40955	40976	41215	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2537.5	2593.5	2601.5	2652.5			
5	QPSK	1	0	22.63	22.70	23.02	23.06	24.5	0	
5	QPSK	1	12	22.92	22.94	23.30	23.29			
5	QPSK	1	24	22.68	22.75	23.14	23.17			
5	QPSK	12	0	21.82	21.92	22.38	22.37			
5	QPSK	12	7	21.88	21.95	22.40	22.41	23.5	1	
5	QPSK	12	13	21.84	21.96	22.31	22.33			
5	QPSK	26	0	21.79	21.91	22.27	22.30			
5	16QAM	1	0	21.85	21.93	22.16	22.20	23.5	1	
5	16QAM	1	12	21.99	22.13	22.46	22.39			
5	16QAM	1	24	21.74	22.00	22.29	22.29			
5	16QAM	12	0	20.69	20.90	21.25	21.22			
5	16QAM	12	7	20.76	21.03	21.27	21.32	22.5	2	
5	16QAM	12	13	20.75	20.96	21.26	21.31			
5	16QAM	25	0	20.82	20.97	21.32	21.23			
5	64QAM	1	0	20.50	20.73	20.99	20.99	22.5	2	
5	64QAM	1	12	20.68	20.95	21.14	21.15			
5	64QAM	1	24	20.50	20.67	21.05	21.05			
5	64QAM	12	0	19.76	19.96	20.32	20.33			
5	64QAM	12	7	19.83	19.96	20.31	20.35	21.5	3	
5	64QAM	12	13	19.73	19.99	20.23	20.25			
5	64QAM	25	0	19.75	19.96	20.36	20.36			

Reduced Power for DS13

Band		WCDMA II, Ant 0			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	AMR 12.2Kbps	19.75	19.85	19.90	21.00
3GPP Rel 99	RMC 12.2Kbps	19.78	19.95	19.93	21.00
3GPP Rel 6	HSDPA Subtest-1	18.84	18.90	18.89	20.00
3GPP Rel 6	HSDPA Subtest-2	18.73	18.83	18.87	20.00
3GPP Rel 6	HSDPA Subtest-3	18.26	18.31	18.34	19.00
3GPP Rel 6	HSDPA Subtest-4	18.25	18.31	18.36	19.00
3GPP Rel 6	DC-HSDPA Subtest-1	18.48	18.61	18.50	20.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.62	18.62	18.64	20.00
3GPP Rel 6	DC-HSDPA Subtest-3	17.95	18.20	18.09	19.00
3GPP Rel 6	DC-HSDPA Subtest-4	17.92	18.22	18.14	19.00
3GPP Rel 6	HSUPA Subtest-1	17.91	17.43	17.52	18.00
3GPP Rel 6	HSUPA Subtest-2	17.37	17.43	17.54	18.00
3GPP Rel 6	HSUPA Subtest-3	18.35	18.51	18.48	19.00
3GPP Rel 6	HSUPA Subtest-4	16.82	16.88	17.02	17.50
3GPP Rel 6	HSUPA Subtest-5	18.30	18.40	18.40	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.23	17.06	17.23	18.00

Band		WCDMA II, Ant 0			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.84	22.81	22.73	24.00
3GPP Rel 99	RMC 12.2Kbps	22.85	22.86	22.75	24.00
3GPP Rel 6	HSDPA Subtest-1	21.89	21.97	21.80	23.00
3GPP Rel 6	HSDPA Subtest-2	21.78	21.77	21.70	23.00
3GPP Rel 6	HSDPA Subtest-3	21.25	21.30	21.16	22.00
3GPP Rel 6	HSDPA Subtest-4	21.24	21.32	21.17	22.00
3GPP Rel 6	DC-HSDPA Subtest-1	21.81	21.85	21.68	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.71	21.62	21.62	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.17	21.15	21.11	22.00
3GPP Rel 6	DC-HSDPA Subtest-4	21.15	21.24	21.12	22.00
3GPP Rel 6	HSUPA Subtest-1	20.35	20.40	20.31	21.00
3GPP Rel 6	HSUPA Subtest-2	20.35	20.35	20.23	21.00
3GPP Rel 6	HSUPA Subtest-3	21.38	21.36	21.33	22.00
3GPP Rel 6	HSUPA Subtest-4	19.64	19.92	19.82	20.50
3GPP Rel 6	HSUPA Subtest-5	21.30	21.30	21.10	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.26	20.21	20.12	21.00

Band		WCDMA IV, Ant 0			Tune-up Limit (dBm)
TX Channel		1312	1413	1513	
Rx Channel		1537	1638	1738	
Frequency (MHz)		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	20.08	20.05	20.10	21.00
3GPP Rel 99	RMC 12.2Kbps	20.06	20.13	20.11	21.00
3GPP Rel 6	HSDPA Subtest-1	19.13	19.16	19.12	20.00
3GPP Rel 6	HSDPA Subtest-2	19.07	19.04	19.07	20.00
3GPP Rel 6	HSDPA Subtest-3	18.56	18.51	18.52	19.00
3GPP Rel 6	HSDPA Subtest-4	18.55	18.51	18.55	19.00
3GPP Rel 6	DC-HSDPA Subtest-1	18.88	19.05	18.81	20.00
3GPP Rel 6	DC-HSDPA Subtest-2	18.85	18.86	18.32	20.00
3GPP Rel 6	DC-HSDPA Subtest-3	18.45	18.32	18.40	19.00
3GPP Rel 6	DC-HSDPA Subtest-4	18.35	18.26	18.30	19.00
3GPP Rel 6	HSUPA Subtest-1	17.69	17.66	17.65	18.00
3GPP Rel 6	HSUPA Subtest-2	17.69	17.54	17.64	18.00
3GPP Rel 6	HSUPA Subtest-3	18.64	18.64	18.65	19.00
3GPP Rel 6	HSUPA Subtest-4	17.20	17.15	17.19	17.50
3GPP Rel 6	HSUPA Subtest-5	18.50	18.60	18.60	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.39	17.45	17.34	18.00



Band 2_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	20.20	20.12	20.21	21.5	0						
20	QPSK	1	49	20.33	20.39	20.35								
20	QPSK	1	99	20.04	20.13	20.18								
20	QPSK	50	0	20.22	20.38	20.37	21.5	0						
20	QPSK	50	24	20.25	20.28	20.26								
20	QPSK	50	50	20.13	20.23	20.10								
20	QPSK	100	0	20.17	20.23	20.20	21.5	0						
20	16QAM	1	0	19.87	19.94	19.92								
20	16QAM	1	49	20.01	20.00	19.97								
20	16QAM	1	99	20.32	20.27	20.22	21.5	0						
20	16QAM	50	0	20.18	20.33	20.31								
20	16QAM	50	24	20.26	20.19	20.25								
20	16QAM	50	50	20.11	20.18	20.20	21.5	0						
20	16QAM	100	0	20.21	20.21	20.24								
20	64QAM	1	0	20.06	20.25	20.34								
20	64QAM	1	49	20.31	20.03	20.20	21.5	0						
20	64QAM	1	99	20.15	20.32	20.35								
20	64QAM	50	0	20.16	20.25	20.30								
20	64QAM	50	24	20.24	20.18	20.22	21.5	0						
20	64QAM	50	50	20.21	20.22	20.27								
20	64QAM	100	0	20.21	20.23	20.27								
Channel														
Frequency (MHz)														
15	QPSK	1	0	20.09	20.02	20.06	21.5	0						
15	QPSK	1	37	20.21	20.28	20.29								
15	QPSK	1	74	19.92	19.99	20.08								
15	QPSK	36	0	20.14	20.29	20.31	21.5	0						
15	QPSK	36	30	20.09	20.19	20.17								
15	QPSK	36	30	19.98	20.09	19.96								
15	QPSK	75	0	20.11	20.16	20.09	21.5	0						
15	16QAM	1	0	19.76	19.85	19.81								
15	16QAM	1	37	19.94	19.91	19.84								
15	16QAM	1	74	20.19	20.19	20.07	21.5	0						
15	16QAM	36	0	20.07	20.22	20.25								
15	16QAM	36	30	20.09	20.19	20.13								
15	16QAM	36	30	19.98	20.10	20.06	21.5	0						
15	16QAM	75	0	20.06	20.07	20.14								
15	64QAM	1	0	19.95	20.16	20.27								
15	64QAM	1	37	20.17	19.89	20.09	21.5	0						
15	64QAM	1	74	20.06	20.21	20.25								
15	64QAM	36	0	20.02	20.15	20.23								
15	64QAM	36	30	20.09	20.10	20.15	21.5	0						
15	64QAM	36	30	20.07	20.16	20.15								
15	64QAM	75	0	20.11	20.08	20.21								
Channel														
Frequency (MHz)														
10	QPSK	1	0	20.11	20.02	20.06	21.5	0						
10	QPSK	1	25	20.20	20.22	20.24								
10	QPSK	1	49	19.96	20.04	20.04								
10	QPSK	25	0	20.12	20.30	20.23	21.5	0						
10	QPSK	25	12	20.24	20.13	20.11								
10	QPSK	25	25	20.02	20.12	20.00								
10	QPSK	50	0	20.09	20.14	20.05	21.5	0						
10	16QAM	1	0	19.74	19.81	19.75								
10	16QAM	1	25	19.87	19.85	19.80								
10	16QAM	1	49	20.25	20.11	20.07	21.5	0						
10	16QAM	25	0	20.06	20.17	20.23								
10	16QAM	25	12	20.14	20.12	20.11								
10	16QAM	25	25	19.99	20.04	20.06	21.5	0						
10	16QAM	50	0	20.13	20.07	20.07								
10	64QAM	1	0	19.90	20.17	20.17								
10	64QAM	1	25	20.14	19.89	20.03	21.5	0						
10	64QAM	1	49	20.03	20.21	20.28								
10	64QAM	25	0	20.03	20.12	20.17								
10	64QAM	25	12	20.15	20.03	20.16	21.5	0						
10	64QAM	25	25	20.10	20.09	20.05								
10	64QAM	50	0	20.14	20.11	20.16								
Channel														
Frequency (MHz)														
5	QPSK	1	0	20.04	19.95	20.11	21.5	0						
5	QPSK	1	12	20.18	20.27	20.21								
5	QPSK	1	24	19.90	20.03	20.06								
5	QPSK	12	0	20.14	20.28	20.21	21.5	0						
5	QPSK	12	7	20.27	20.19	20.17								
5	QPSK	12	13	20.05	20.06	19.92								
5	QPSK	25	0	20.03	20.11	20.06	21.5	0						
5	16QAM	1	0	19.73	19.85	19.84								
5	16QAM	1	12	19.90	19.92	19.80								
5	16QAM	1	24	20.15	20.15	20.05	21.5	0						
5	16QAM	12	0	20.06	20.16	20.19								
5	16QAM	12	7	20.18	20.06	20.09								
5	16QAM	12	13	19.94	20.03	20.03	21.5	0						
5	16QAM	25	0	20.10	20.09	20.09								
5	64QAM	1	0	19.94	20.12	20.17								
5	64QAM	1	12	20.23	19.86	20.03	21.5	0						
5	64QAM	1	24	19.98	20.14	20.19								
5	64QAM	12	0	20.05	20.17	20.21								
5	64QAM	12	7	20.12	20.01	20.17	21.5	0						
5	64QAM	12	13	20.13	20.12	20.13								
5	64QAM	25	0	20.10	20.15	20.16								
Channel														
Frequency (MHz)														
3	QPSK	1	0	20.11	20.03	20.13	21.5	0						
3	QPSK	1	8	20.24	20.30	20.25								
3	QPSK	1	14	19.92	20.05	20.08								
3	QPSK	8	0	20.04	20.27	20.24	21.5	0						
3	QPSK	8	4	20.20	20.10	20.09								
3	QPSK	8	7	20.05	20.12	20.01								
3	QPSK	15	0	20.07	20.09	20.02	21.5	0						
3	16QAM	1	0	19.74	19.77	19.78								
3	16QAM	1	8	19.83	19.89	19.86								
3	16QAM	1	14	20.24	20.19	20.13	21.5	0						
3	16QAM	8	0	20.06	20.21	20.16								
3	16QAM	8	4	20.11	20.08	20.16								
3	16QAM	8	7	19.98	20.09	20.06	21.5	0						
3	16QAM	15	0	20.11	20.10	20.16								
3	64QAM	1	0	19.90	20.09	20.25								
3	64QAM	1	8	20.23	19.91	20.08	21.5	0						
3	64QAM	1	14	19.99	20.16	20.24								
3	64QAM	8	0	20.00	20.11	20.17								
3	64QAM	8	4	20.11	20.08	20.16	21.5	0						
3	64QAM	8	7	20.05	20.11	20.14								
3	64QAM	15	0	20.11	20.13	20.11								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	20.01	19.92	20.04	21.5	0						
1.4	QPSK	1	5	19.94	19.94	19.98								
1.4	QPSK	3	0	20.08	20.22	20.21								
1.4	QPSK	3	1	20.21	20.12	20.07	21.5	0						
1.4	QPSK	3	3	20.00	20.11	19.92								
1.4	QPSK	6	0	20.02	20.04	20.09								
1.4	16QAM	1	0	19.67	19.84	19.73	21.5	0						
1.4	16QAM	1	3	19.87	19.85	19.84								
1.4	16QAM	1	5	20.19	20.10	20.13								
1.4	16QAM	3	0	20.04	20.13	20.16	21.5	0						
1.4	16QAM	3	1	20.06	20.06	20.15								
1.4	16QAM	3	3	19.93	20.05	20.04								
1.4	16QAM	6	0	20.11	20.10	20.13	21.5	0						
1.4	64QAM	1	0	19.94	20.05	20.15								
1.4	64QAM	1	3	20.19	19.92	20.07								
1.4	64QAM	1	5	19.99	20.20	20.25	21.5	0						
1.4	64QAM	3	0	19.96	20.10	20.16								
1.4	64QAM	3	1	20.07	20.01	20.10								
1.4	64QAM	3	3	20.09	20.07	20.10	21.5	0						
1.4	64QAM	6	0	20.11	20.12	20.15								



Band 7_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				25600	21100	21560					
Frequency (MHz)				25120	2535	2550					
20	QPSK	1	0	20.27	20.25	20.24	21.5	0			
20	QPSK	1	49	20.45	20.55	20.49					
20	QPSK	1	99	20.19	20.24	20.20					
20	QPSK	50	0	20.33	20.52	20.40	21.5	0			
20	QPSK	50	24	20.48	20.50	20.45					
20	QPSK	50	50	20.47	20.40	20.38					
20	QPSK	100	0	20.42	20.51	20.43	21.5	0			
20	16QAM	1	0	20.48	20.34	20.20					
20	16QAM	1	49	20.35	20.42	20.44					
20	16QAM	1	99	20.43	20.38	20.42	21.5	0			
20	16QAM	50	0	20.42	20.24	20.38					
20	16QAM	50	24	20.23	20.31	20.45					
20	16QAM	50	50	20.44	20.33	20.44	21.5	0			
20	16QAM	100	0	20.37	20.27	20.43					
20	64QAM	1	0	20.21	20.20	20.35					
20	64QAM	1	49	20.51	20.44	20.45	21.5	0			
20	64QAM	1	99	20.37	20.30	20.40					
20	64QAM	50	0	20.35	20.45	20.41					
20	64QAM	50	24	20.45	20.47	20.37	21.5	0			
20	64QAM	50	50	20.39	20.29	20.41					
20	64QAM	100	0	20.38	20.29	20.41					
Channel				25625	21100	21575	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	20.15	20.17	20.18		21.5			
15	QPSK	1	37	20.33	20.46	20.34					
15	QPSK	1	74	20.11	20.12	20.10					
15	QPSK	36	0	20.26	20.47	20.33		21.5			
15	QPSK	36	20	20.42	20.37	20.38					
15	QPSK	36	39	20.32	20.27	20.33					
15	QPSK	75	0	20.37	20.42	20.32					
15	16QAM	1	0	20.35	20.28	20.10		21.5			
15	16QAM	1	37	20.27	20.29	20.30					
15	16QAM	1	74	20.33	20.24	20.36					
15	16QAM	36	0	20.31	20.18	20.23					
15	16QAM	36	20	20.12	20.37	20.40		21.5			
15	16QAM	36	39	20.32	20.24	20.31					
15	16QAM	75	0	20.24	20.15	20.35					
15	64QAM	1	0	20.13	20.05	20.23					
15	64QAM	1	37	20.46	20.29	20.36		21.5			
15	64QAM	1	74	20.24	20.21	20.33					
15	64QAM	36	0	20.25	20.36	20.27					
15	64QAM	36	20	20.30	20.37	20.28					
15	64QAM	36	39	20.33	20.24	20.31		21.5			
15	64QAM	75	0	20.30	20.22	20.35					
Channel				25800	21100	21400	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	20.16	20.20	20.09		21.5			
10	QPSK	1	25	20.36	20.43	20.42					
10	QPSK	1	49	20.08	20.18	20.09					
10	QPSK	15	0	20.18	20.43	20.29		21.5			
10	QPSK	25	12	20.35	20.44	20.35					
10	QPSK	25	25	20.37	20.32	20.29					
10	QPSK	50	0	20.37	20.43	20.30					
10	16QAM	1	0	20.41	20.26	20.05		21.5			
10	16QAM	1	25	20.21	20.32	20.31					
10	16QAM	1	49	20.33	20.28	20.32					
10	16QAM	25	0	20.28	20.16	20.30					
10	16QAM	25	12	20.10	20.19	20.40		21.5			
10	16QAM	25	25	20.36	20.22	20.32					
10	16QAM	50	0	20.29	20.19	20.34					
10	64QAM	1	0	20.06	20.15	20.24					
10	64QAM	1	25	20.45	20.39	20.36		21.5			
10	64QAM	1	49	20.29	20.20	20.30					
10	64QAM	25	0	20.20	20.34	20.33					
10	64QAM	25	12	20.40	20.39	20.31					
10	64QAM	25	25	20.29	20.20	20.32		21.5			
10	64QAM	50	0	20.27	20.24	20.35					
Channel				25775	21100	21425	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	20.19	20.10	20.12		21.5			
5	QPSK	1	12	20.35	20.43	20.41					
5	QPSK	1	24	20.14	20.09	20.13					
5	QPSK	12	0	20.25	20.46	20.29		21.5			
5	QPSK	12	7	20.36	20.43	20.35					
5	QPSK	12	13	20.36	20.31	20.27					
5	QPSK	25	0	20.37	20.37	20.30					
5	16QAM	1	0	20.42	20.25	20.06		21.5			
5	16QAM	1	12	20.24	20.30	20.37					
5	16QAM	1	24	20.35	20.25	20.37					
5	16QAM	12	0	20.34	20.18	20.29					
5	16QAM	12	7	20.17	20.17	20.30		21.5			
5	16QAM	12	13	20.34	20.24	20.34					
5	16QAM	25	0	20.28	20.14	20.30					
5	64QAM	1	0	20.06	20.09	20.26					
5	64QAM	1	12	20.41	20.39	20.32		21.5			
5	64QAM	1	24	20.23	20.18	20.25					
5	64QAM	12	0	20.30	20.39	20.32					
5	64QAM	12	7	20.39	20.32	20.26					
5	64QAM	12	13	20.24	20.19	20.36		21.5			
5	64QAM	25	0	20.24	20.16	20.33					

Band 13_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2320					
Frequency (MHz)				762					
10	QPSK	1	0		23.67		25	0	
10	QPSK	1	25		23.71				
10	QPSK	1	49		23.44				
10	QPSK	25	0		22.61		24	1	
10	QPSK	25	12		22.57				
10	QPSK	25	25		22.47				
10	QPSK	50	0		22.55		24	1	
10	16QAM	1	0		22.76				
10	16QAM	1	25		22.93				
10	16QAM	1	49		22.66		23	2	
10	16QAM	25	0		21.58				
10	16QAM	25	12		21.61				
10	16QAM	25	25		21.50		23	2	
10	16QAM	50	0		21.61				
10	64QAM	1	0		21.58				
10	64QAM	1	25		21.90		23	2	
10	64QAM	1	49		21.81				
10	64QAM	25	0		20.57				
10	64QAM	25	12		20.65		22	3	
10	64QAM	25	25		20.61				
10	64QAM	50	0		20.49				
Channel				2320.5	2320.5	2320.5	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.39	23.49	23.35	25	0	
5	QPSK	1	12	23.47	23.44	23.48			
5	QPSK	1	24	23.36	23.31	23.16			
5	QPSK	12	0	22.50	22.59	22.57	24	1	
5	QPSK	12	7	22.57	22.64	22.61			
5	QPSK	12	13	22.59	22.51	22.53			
5	QPSK	25	0	22.56	22.57	22.55	24	1	
5	16QAM	1	0	22.91	22.52	22.62			
5	16QAM	1	12	22.94	23.00	23.15			
5	16QAM	1	24	22.84	22.82	22.45	23	2	
5	16QAM	12	0	21.39	21.55	21.45			
5	16QAM	12	7	21.56	21.50	21.39			
5	16QAM	12	13	21.50	21.42	21.47	23	2	
5	16QAM	25	0	21.39	21.42	21.54			
5	64QAM	1	0	21.43	21.56	21.23			
5	64QAM	1	12	22.02	21.96	21.84	23	2	
5	64QAM	1	24	21.65	21.66	21.42			
5	64QAM	12	0	20.50	20.61	20.46			
5	64QAM	12	7	20.66	20.61	20.58	22	3	
5	64QAM	12	13	20.53	20.55	20.57			
5	64QAM	25	0	20.48	20.44	20.54			



Band 19_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075						
Frequency (MHz)				837.5						
15	QPSK	1	0		23.57		25	0		
15	QPSK	1	37		23.65					
15	QPSK	1	74		23.30					
15	QPSK	36	0		22.57		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.56					
15	QPSK	75	0		22.44		24	1		
15	16QAM	1	0		22.68					
15	16QAM	1	37		22.49					
15	16QAM	1	74		22.68		23	2		
15	16QAM	36	0		21.63					
15	16QAM	36	20		21.48					
15	16QAM	36	39		21.49		23	2		
15	16QAM	75	0		21.52					
15	64QAM	1	0		21.50		23	2		
15	64QAM	1	37		21.87					
15	64QAM	1	74		21.54					
15	64QAM	36	0		20.50		22	3		
15	64QAM	36	20		20.53					
15	64QAM	36	39		20.53					
15	64QAM	75	0		20.55					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.44	23.52	23.44	25	0		
10	QPSK	1	25	23.66	23.55	23.51				
10	QPSK	1	49	23.39	23.44	23.41				
10	QPSK	25	0	22.72	22.62	22.55	24	1		
10	QPSK	25	12	22.80	22.53	22.38				
10	QPSK	25	25	22.58	22.49	22.43				
10	QPSK	50	0	22.60	22.62	22.58	24	1		
10	16QAM	1	0	22.87	22.95	22.74				
10	16QAM	1	25	22.88	23.08	23.01				
10	16QAM	1	49	22.66	22.84	22.48	24	1		
10	16QAM	25	0	21.58	21.66	21.56				
10	16QAM	25	12	21.63	21.51	21.38				
10	16QAM	25	25	21.60	21.46	21.41	23	2		
10	16QAM	50	0	21.55	21.55	21.59				
10	64QAM	1	0	21.55	21.70	21.85	23	2		
10	64QAM	1	25	21.91	21.68	21.85				
10	64QAM	1	49	21.47	21.59	21.46				
10	64QAM	25	0	20.55	20.55	20.62	22	3		
10	64QAM	25	12	20.51	20.96	20.54				
10	64QAM	25	25	20.56	20.46	20.52				
10	64QAM	50	0	20.60	20.57	20.54				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.37	23.43	23.30	25	0		
5	QPSK	1	12	23.54	23.55	23.33				
5	QPSK	1	24	23.36	23.31	23.14				
5	QPSK	12	0	22.55	22.46	22.51	24	1		
5	QPSK	12	7	22.54	22.58	22.52				
5	QPSK	12	13	22.47	22.49	22.42				
5	QPSK	25	0	22.58	22.51	22.45	24	1		
5	16QAM	1	0	22.59	22.86	22.81				
5	16QAM	1	12	23.17	23.11	23.06				
5	16QAM	1	24	22.77	22.30	22.64	23	2		
5	16QAM	12	0	21.42	21.46	21.38				
5	16QAM	12	7	21.57	21.56	21.54				
5	16QAM	12	13	21.50	21.52	21.41	23	2		
5	16QAM	25	0	21.53	21.48	21.52				
5	64QAM	1	0	21.37	21.45	21.59	23	2		
5	64QAM	1	12	21.82	21.86	21.81				
5	64QAM	1	24	21.61	21.41	21.36				
5	64QAM	12	0	20.42	20.51	20.56	22	3		
5	64QAM	12	7	20.71	20.68	20.66				
5	64QAM	12	13	20.54	20.48	20.39				
5	64QAM	25	0	20.52	20.59	20.47				

Band 26_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765						
Frequency (MHz)				821.5						
15	QPSK	1	0	23.73	23.76	23.81	25	0		
15	QPSK	1	37	23.66	23.89	23.87				
15	QPSK	1	74	23.61	23.57	23.52				
15	QPSK	36	0	22.77	22.89	22.78	24	1		
15	QPSK	36	20	22.86	22.69	22.70				
15	QPSK	36	39	22.83	22.83	22.29				
15	QPSK	75	0	22.74	22.78	22.80	24	1		
15	16QAM	1	0	23.05	23.03	22.72				
15	16QAM	1	37	22.90	22.74	23.01				
15	16QAM	1	74	22.71	23.00	22.77	23	2		
15	16QAM	36	0	21.87	21.76	21.66				
15	16QAM	36	20	21.83	21.72	21.62				
15	16QAM	36	39	21.81	21.64	21.52	23	2		
15	16QAM	75	0	21.76	21.76	21.54				
15	64QAM	1	0	21.76	22.05	21.83	23	2		
15	64QAM	1	37	21.82	21.93	21.72				
15	64QAM	1	74	21.89	21.62	21.64				
15	64QAM	36	0	20.78	20.75	20.75	22	3		
15	64QAM	36	20	20.84	20.71	20.61				
15	64QAM	36	39	20.79	20.63	20.50				
15	64QAM	75	0	20.76	20.71	20.56				
Channel				26740	26865	26990	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	23.65	23.63	23.62	25	0		
10	QPSK	1	25	23.69	23.75	23.83				
10	QPSK	1	49	23.73	23.53	23.46				
10	QPSK	25	0	22.85	22.76	22.62	24	1		
10	QPSK	25	12	22.75	22.67	22.50				
10	QPSK	25	25	22.76	22.72	22.80				
10	QPSK	50	0	22.81	22.76	22.82	24	1		
10	16QAM	1	0	22.61	22.84	22.90				
10	16QAM	1	25	23.29	22.89	22.73				
10	16QAM	1	49	22.89	23.11	22.99	23	2		
10	16QAM	25	0	21.88	21.68	21.72				
10	16QAM	25	12	21.72	21.62	21.59				
10	16QAM	25	25	21.80	21.60	21.47	23	2		
10	16QAM	50	0	21.87	21.62	21.56				
10	64QAM	1	0	21.54	21.53	21.61	23	2		
10	64QAM	1	25	21.85	22.10	21.88				
10	64QAM	1	49	21.99	21.57	21.80				
10	64QAM	25	0	20.77	20.79	20.58	22	3		
10	64QAM	25	12	20.79	20.68	20.67				
10	64QAM	25	25	20.85	20.75	20.65				
10	64QAM	50	0	20.77	20.69	20.53				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	23.62	23.42	23.40	25	0		
5	QPSK	1	12	23.75	23.72	23.62				
5	QPSK	1	24	23.70	23.48	23.52				
5	QPSK	12	0	22.81	22.69	22.55	24	1		
5	QPSK	12	7	22.98	22.73	22.58				
5	QPSK	12	13	22.75	22.59	22.41				
5	QPSK	25	0	22.72	22.74	22.48	24	1		
5	16QAM	1	0	23.10	22.73	22.80				
5	16QAM	1	12	23.17	22.73	22.67				
5	16QAM	1	24	23.07	22.82	22.80	23	2		
5	16QAM	12	0	21.82	21.76	21.58				
5	16QAM	12	7	21.97	21.70	21.57				
5	16QAM	12	13	21.75	21.63	21.30	23	2		
5	16QAM	25	0	21.76	21.64	21.59				
5	64QAM	1	0	22.01	21.93	21.46	23	2		
5	64QAM	1	12	22.32	22.03	22.02				
5	64QAM	1	24	21.88	21.33	21.51				
5	64QAM	12	0	20.86	20.69	20.49	22	3		
5	64QAM	12	7	20.81	20.70	20.37				
5	64QAM	12	13	20.78	20.71	20.36				
5	64QAM	25	0	20.72	20.67	20.48				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	23.71	23.63	23.45	25	0		
3	QPSK	1	8	23.63	23.72	23.50				
3	QPSK	1	14	23.70	23.70	23.44				
3	QPSK	8	0	22.79	22.70	22.55	24	1		
3	QPSK	8	4	22.73	22.72	22.54				
3	QPSK	8	8	22.80	22.74	22.56				
3	QPSK	15	0	22.77	22.73	22.25	24	1		
3	16QAM	1	0	23.84	23.11	22.66				
3	16QAM	1	8	23.14	23.05	22.56				
3	16QAM	1	14	23.14	23.05	22.79	23	2		
3	16QAM	8	0	21.87	21.75	21.68				
3	16QAM	8	4	22.90	21.83	21.53				
3	16QAM	8	7	21.98	21.87	21.55	22	3		
3	16QAM	15	0	21.90	21.79	21.63				
3	64QAM	1	0	21.53	21.46	21.80				
3	64QAM	1	8	21.87	21.84	21.51				
3	64QAM	1	14	21.90	21.83	21.71	23	2		
3	64QAM	8	0	20.80	20.74	20.56				
3	64QAM	8	4	20.78	20.71	20.47				
3	64QAM	8	7	20.84	20.75	20.54	22	3		
3	64QAM	15	0	20.86	20.65	20.53				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.73	23.58	23.36	25	0		
1.4	QPSK	1	3	23.73	23.72	23.63				
1.4	QPSK	1	5	23.63	23.58	23.43				
1.4	QPSK	3	0	23.73	23.72	23.51	24	1		
1.4	QPSK	3	3	23.73	23.71	23.52				
1.4	QPSK	3	3	23.73	23.73	23.55				
1.4	QPSK	6	0	22.76	22.71	22.56	24	1		
1.4	16QAM	1	0	22.85	22.57	22.49				
1.4	16QAM	1	3	23.05	22.76	22.67				
1.4	16QAM	1	5	22.55	22.67	22.49	23	2		
1.4	QPSK	3	0	22.77	22.60	22.51				
1.4	16QAM	3	1	22.90	22.64	22.60				
1.4	16QAM	3	3	22.82	22.54	22.36				
1.4	16QAM	6	0	21.83	21.72	21.69	23	2		
1.4	64QAM	1	0	21.94	21.81	21.50				
1.4	64QAM	1	3	21.78	21.21	21.76				
1.4	64QAM	1	5	22.08	21.52	21.79	23	2		
1.4	64QAM	3	0	21.99	21.77	21.72				
1.4	64QAM	3	1	22.07	21.79	21.71				
1.4	64QAM	3	3	21.94	21.64	21.69	22	3		
1.4	64QAM	6	0	20.79	20.70	20.55				



Band 38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37650	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.30	21.38	21.40	22.5	0	
20	QPSK	1	49	21.79	21.94	21.88			
20	QPSK	1	99	21.47	21.56	21.59			
20	QPSK	50	0	21.53	21.69	21.75	22.5	0	
20	QPSK	50	24	21.59	21.64	21.69			
20	QPSK	50	50	21.58	21.62	21.69			
20	QPSK	100	0	21.59	21.77	21.70	22.5	0	
20	16QAM	1	0	21.33	21.44	21.52			
20	16QAM	1	49	21.76	21.90	21.88			
20	16QAM	1	99	21.53	21.57	21.58	22.5	0	
20	16QAM	50	0	21.54	21.60	21.76			
20	16QAM	50	24	21.53	21.73	21.87			
20	16QAM	50	50	21.59	21.64	21.84	22.5	0	
20	16QAM	100	0	21.61	21.73	21.82			
20	64QAM	1	0	21.11	21.11	21.28			
20	64QAM	1	49	21.51	21.67	21.78	22.5	0	
20	64QAM	1	99	21.26	21.37	21.45			
20	64QAM	50	0	20.52	20.62	20.83			
20	64QAM	50	24	20.56	20.65	20.76	21.5	1	
20	64QAM	50	50	20.46	20.64	20.82			
20	64QAM	100	0	20.61	20.72	20.79			
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2571.5	2595	2612.5			
15	QPSK	1	0	21.16	21.25	21.32			
15	QPSK	1	37	21.64	21.85	21.76	22.5	0	
15	QPSK	1	74	21.42	21.51	21.52			
15	QPSK	36	0	21.38	21.65	21.60			
15	QPSK	36	20	21.44	21.53	21.45	22.5	0	
15	QPSK	36	39	21.47	21.53	21.54			
15	QPSK	75	0	21.53	21.67	21.64			
15	16QAM	1	0	21.20	21.39	21.37	22.5	0	
15	16QAM	1	37	21.71	21.81	21.78			
15	16QAM	1	74	21.41	21.43	21.55			
15	16QAM	36	0	21.47	21.53	21.72	22.5	0	
15	16QAM	36	20	21.41	21.58	21.82			
15	16QAM	36	39	21.53	21.56	21.79			
15	16QAM	75	0	21.54	21.58	21.76	22.5	0	
15	64QAM	1	0	20.98	21.06	21.15			
15	64QAM	1	37	21.37	21.55	21.64			
15	64QAM	1	74	21.18	21.24	21.33	21.5	1	
15	64QAM	36	0	20.37	20.48	20.70			
15	64QAM	36	20	20.46	20.59	20.88			
15	64QAM	36	39	20.36	20.57	20.73	21.5	1	
15	64QAM	75	0	20.53	20.67	20.64			
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	21.25	21.33	21.29			
10	QPSK	1	25	21.69	21.89	21.77	22.5	0	
10	QPSK	1	49	21.37	21.44	21.49			
10	QPSK	25	0	21.38	21.72	21.67			
10	QPSK	25	12	21.52	21.55	21.45	22.5	0	
10	QPSK	25	25	21.45	21.49	21.58			
10	QPSK	50	0	21.53	21.71	21.62			
10	16QAM	1	0	21.27	21.37	21.47	22.5	0	
10	16QAM	1	25	21.67	21.84	21.75			
10	16QAM	1	49	21.45	21.44	21.60			
10	16QAM	25	0	21.44	21.46	21.68	22.5	0	
10	16QAM	25	12	21.47	21.61	21.80			
10	16QAM	25	25	21.52	21.56	21.73			
10	16QAM	50	0	21.53	21.66	21.68	22.5	0	
10	64QAM	1	0	21.03	21.03	21.16			
10	64QAM	1	25	21.38	21.56	21.63			
10	64QAM	1	49	21.11	21.30	21.37	21.5	1	
10	64QAM	25	0	20.45	20.56	20.76			
10	64QAM	25	12	20.41	20.58	20.68			
10	64QAM	25	25	20.40	20.49	20.73	21.5	1	
10	64QAM	50	0	20.51	20.61	20.71			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.19	21.25	21.25			
5	QPSK	1	12	21.65	21.87	21.81	22.5	0	
5	QPSK	1	24	21.36	21.42	21.49			
5	QPSK	12	0	21.39	21.74	21.70			
5	QPSK	12	7	21.51	21.56	21.49	22.5	0	
5	QPSK	12	13	21.48	21.47	21.61			
5	QPSK	25	0	21.52	21.71	21.65			
5	16QAM	1	0	21.25	21.29	21.38	22.5	0	
5	16QAM	1	12	21.64	21.85	21.83			
5	16QAM	1	24	21.41	21.50	21.56			
5	16QAM	12	0	21.48	21.49	21.71	22.5	0	
5	16QAM	12	7	21.48	21.63	21.74			
5	16QAM	12	13	21.48	21.54	21.72			
5	16QAM	25	0	21.54	21.66	21.73	22.5	0	
5	64QAM	1	0	20.99	21.04	21.16			
5	64QAM	1	12	21.43	21.53	21.63			
5	64QAM	1	24	21.12	21.25	21.32	22.5	0	
5	64QAM	12	0	20.43	20.57	20.78			
5	64QAM	12	7	20.49	20.58	20.69			
5	64QAM	12	13	20.37	20.53	20.69	21.5	1	
5	64QAM	25	0	20.50	20.59	20.72			

Band 41_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40460	40870	41140		
Frequency (MHz)				2545	2571	2598	2645		
20	QPSK	1	0	21.10	21.15	21.29	21.60	22.5	0
20	QPSK	1	49	21.51	21.55	21.70	21.85		
20	QPSK	1	99	21.20	21.32	21.47	21.57		
20	QPSK	50	0	21.19	21.35	21.54	21.75	22.5	0
20	QPSK	50	24	21.29	21.41	21.55	21.70		
20	QPSK	50	50	21.35	21.41	21.48	21.66		
20	QPSK	100	0	21.22	21.39	21.62	21.80	22.5	0
20	16QAM	1	0	21.02	21.08	21.36	21.71		
20	16QAM	1	49	21.53	21.59	21.76	21.70		
20	16QAM	1	99	21.16	21.32	21.48	21.80	22.5	0
20	16QAM	50	0	21.19	21.35	21.59	21.81		
20	16QAM	50	24	21.27	21.42	21.62	21.80		
20	16QAM	50	50	21.32	21.44	21.66	21.69	22.5	0
20	16QAM	100	0	21.27	21.41	21.66	21.62		
20	64QAM	1	0	21.00	21.06	21.01	21.44		
20	64QAM	1	49	21.28	21.30	21.47	21.66	22.5	0
20	64QAM	1	99	21.05	21.09	21.24	21.46		
20	64QAM	50	0	20.25	20.26	20.42	20.84		
20	64QAM	50	24	20.28	20.34	20.54	20.95	21.5	1
20	64QAM	50	50	20.31	20.34	20.58	20.86		
20	64QAM	100	0	20.22	20.40	20.59	20.86		
Channel				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5		
15	QPSK	1	0	20.98	21.04	21.20	21.51		
15	QPSK	1	37	21.46	21.48	21.57	21.73		
15	QPSK	1	74	21.09	21.26	21.38	21.50		
15	QPSK	36	0	21.12	21.26	21.40	21.70	22.5	0
15	QPSK	36	20	21.23	21.36	21.40	21.65		
15	QPSK	36	39	21.25	21.36	21.35	21.54		
15	QPSK	75	0	21.07	21.34	21.55	21.67	22.5	0
15	16QAM	1	0	20.88	21.00	21.23	21.62		
15	16QAM	1	37	21.45	21.54	21.71	21.63		
15	16QAM	1	74	21.01	21.21	21.42	21.66	22.5	0
15	16QAM	36	0	21.04	21.22	21.51	21.71		
15	16QAM	36	20	21.16	21.37	21.57	21.75		
15	16QAM	36	39	21.26	21.31	21.56	21.56	22.5	0
15	16QAM	75	0	21.15	21.27	21.60	21.55		
15	64QAM	1	0	20.86	20.95	20.98	21.34		
15	64QAM	1	37	21.15	21.23	21.32	21.58	22.5	0
15	64QAM	1	74	20.95	20.96	21.09	21.32		
15	64QAM	36	0	20.16	20.20	20.31	20.74		
15	64QAM	36	20	20.20	20.22	20.40	20.87	21.5	1
15	64QAM	36	39	20.23	20.24	20.41	20.80		
15	64QAM	75	0	20.07	20.29	20.54	21.09		
Channel				40090	40360	40690	41110	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2540	2570	2600	2650		
10	QPSK	1	0	20.98	21.00	21.21	21.47		
10	QPSK	1	25	21.42	21.42	21.65	21.78		
10	QPSK	1	49	21.11	21.27	21.37	21.52		
10	QPSK	15	0	21.09	21.23	21.41	21.60	22.5	0
10	QPSK	25	12	21.21	21.34	21.40	21.63		
10	QPSK	25	25	21.23	21.31	21.39	21.56		
10	QPSK	50	0	21.11	21.33	21.53	21.67	22.5	0
10	16QAM	1	0	20.91	21.01	21.23	21.61		
10	16QAM	1	25	21.44	21.47	21.63	21.59		
10	16QAM	1	49	21.10	21.25	21.37	21.69	22.5	0
10	16QAM	25	0	21.14	21.28	21.51	21.71		
10	16QAM	25	12	21.22	21.33	21.54	21.70		
10	16QAM	25	25	21.17	21.32	21.57	21.56	22.5	0
10	16QAM	50	0	21.17	21.29	21.61	21.54		
10	64QAM	1	0	20.88	20.91	20.92	21.35		
10	64QAM	1	25	21.21	21.17	21.35	21.58	22.5	0
10	64QAM	1	49	21.00	21.04	21.15	21.38		
10	64QAM	25	0	20.10	20.21	20.35	20.75		
10	64QAM	25	12	20.17	20.22	20.41	20.89	21.5	1
10	64QAM	25	25	20.16	20.27	20.43	20.81		
10	64QAM	50	0	20.14	20.25	20.46	20.75		
Channel				40055	40365	40705	41215	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2537.5	2569.5	2603.5	2655.5		
5	QPSK	1	0	21.04	21.00	21.15	21.45		
5	QPSK	1	12	21.42	21.40	21.56	21.75		
5	QPSK	1	24	21.10	21.25	21.32	21.52		
5	QPSK	12	0	21.12	21.20	21.41	21.62	22.5	0
5	QPSK	12	7	21.22	21.30	21.49	21.61		
5	QPSK	12	13	21.25	21.28	21.35	21.58		
5	QPSK	26	0	21.08	21.25	21.47	21.66	22.5	0
5	16QAM	1	0	20.87	20.93	21.21	21.62		
5	16QAM	1	12	21.46	21.47	21.66	21.61		
5	16QAM	1	24	21.03	21.25	21.42	21.68	22.5	0
5	16QAM	12	0	21.08	21.20	21.53	21.69		
5	16QAM	12	7	21.19	21.37	21.45	21.74		
5	16QAM	12	13	21.17	21.32	21.61	21.54	22.5	0
5	16QAM	25	0	21.17	21.30	21.54	21.48		
5	64QAM	1	0	20.85	20.95	20.94	21.39		
5	64QAM	1	12	21.21	21.21	21.38	21.60	22.5	0
5	64QAM	1	24	20.95	21.01	21.10	21.35		
5	64QAM	12	0	20.20	20.20	20.35	20.72		
5	64QAM	12	7	20.19	20.24	20.45	20.86	21.5	1
5	64QAM	12	13	20.22	20.25	20.43	20.80		
5	64QAM	25	0	20.12	20.25	20.50	20.75		



Reduced Power for DS14

GSM850_Ant 1		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		128	189	251	Limit		128	189	251	Limit	
Frequency (MHz)		131.2	133.4	143.1	(dBm)		131.2	133.4	143.1	(dBm)	
GSM 1 Tx slot		32.36	32.45	32.47	33.90		32.36	32.48	32.47	24.50	
GPRS 1 Tx slot		32.38	32.45	32.48	33.90		32.38	32.45	32.46	24.50	
GPRS 2 Tx slots		29.95	30.05	30.02	30.60		29.95	24.05	24.02	24.50	
GPRS 3 Tx slots		28.16	28.21	28.21	28.90		23.90	23.95	23.95	24.24	
GPRS 4 Tx slots		26.83	26.80	26.87	27.90		23.83	23.89	23.87	24.50	
EDGE 1 Tx slot		27.04	27.13	26.94	28.00		18.04	18.13	17.94	19.00	
EDGE 2 Tx slots		24.03	24.08	23.74	25.00		18.03	18.08	17.74	19.00	
EDGE 3 Tx slots		22.63	22.56	22.38	24.00		18.37	18.30	18.12	19.74	
EDGE 4 Tx slots		21.13	21.23	20.91	22.90		18.13	18.23	17.91	19.50	
GSM1900_Ant 1		Burst Average Power (dBm)			Tune-up		Frame-Average Power (dBm)			Tune-up	
TX Channel		612	661	810	Limit		612	661	810	Limit	
Frequency (MHz)		1500.2	1504	1509.8	(dBm)		1500.2	1500	1509.8	(dBm)	
GSM 1 Tx slot		29.42	29.51	29.58	30.90		20.42	20.51	20.59	21.90	
GPRS 1 Tx slot		29.41	29.42	29.58	30.90		20.41	20.42	20.58	21.50	
GPRS 2 Tx slots		27.07	27.09	27.11	27.90		21.07	21.09	21.11	21.50	
GPRS 3 Tx slots		25.30	25.24	25.37	25.90		21.04	20.88	21.11	21.24	
GPRS 4 Tx slots		24.93	24.96	24.95	24.90		20.97	21.06	21.05	21.50	
EDGE 1 Tx slot		23.83	26.14	26.17	27.00		16.83	17.14	17.17	18.00	
EDGE 2 Tx slots		22.85	23.13	23.08	24.00		16.85	17.13	17.08	18.00	
EDGE 3 Tx slots		21.02	21.23	21.13	22.00		16.76	16.97	16.87	17.74	
EDGE 4 Tx slots		19.62	19.83	19.62	21.00		16.62	16.83	16.82	18.00	

Band		WCDMA II_Ant 1			Tune-up	
TX Channel		9252	9400	9536	Limit	
Rx Channel		9652	9800	9936	(dBm)	
Frequency (MHz)		1852.4	1860	1901.6		
3GPP Rel 99	AMR 12.2Kbps	18.90	18.95	18.92	20.00	
3GPP Rel 99	RMIC 12.2Kbps	18.95	18.98	18.94	20.00	
3GPP Rel 6	HSDPA Subtest-1	17.90	17.92	17.89	19.00	
3GPP Rel 6	HSDPA Subtest-2	17.80	17.87	17.82	19.00	
3GPP Rel 6	HSDPA Subtest-3	17.30	17.33	17.36	18.00	
3GPP Rel 6	HSDPA Subtest-4	17.24	17.32	17.35	18.00	
3GPP Rel 6	DC-HSDPA Subtest-1	17.61	17.76	17.63	19.00	
3GPP Rel 6	DC-HSDPA Subtest-2	17.53	17.62	17.54	19.00	
3GPP Rel 6	DC-HSDPA Subtest-3	17.08	17.09	17.14	18.00	
3GPP Rel 6	DC-HSDPA Subtest-4	17.07	17.19	17.24	18.00	
3GPP Rel 6	HSUPA Subtest-1	16.44	16.51	16.55	17.00	
3GPP Rel 6	HSUPA Subtest-2	16.39	16.49	16.54	17.00	
3GPP Rel 6	HSUPA Subtest-3	17.50	17.48	17.53	18.00	
3GPP Rel 6	HSUPA Subtest-4	15.95	16.03	15.99	16.00	
3GPP Rel 6	HSUPA Subtest-5	17.40	17.40	17.40	18.00	
3GPP Rel 7	HSPA+ (LQAM) Subtest-1	16.23	16.29	16.27	17.00	

Band		WCDMA V_Ant 1			Tune-up	
TX Channel		4132	4182	4233	Limit	
Rx Channel		4357	4407	4458	(dBm)	
Frequency (MHz)		520.4	530.4	539.5		
3GPP Rel 99	AMR 12.2Kbps	22.90	22.91	22.68	24.00	
3GPP Rel 99	RMIC 12.2Kbps	22.83	22.84	22.69	24.00	
3GPP Rel 6	HSDPA Subtest-1	21.88	21.89	21.79	23.00	
3GPP Rel 6	HSDPA Subtest-2	21.81	21.51	21.62	23.00	
3GPP Rel 6	HSDPA Subtest-3	21.30	21.28	21.15	22.00	
3GPP Rel 6	HSDPA Subtest-4	21.32	21.22	21.12	22.00	
3GPP Rel 6	DC-HSDPA Subtest-1	21.79	21.75	21.73	23.00	
3GPP Rel 6	DC-HSDPA Subtest-2	21.69	21.36	21.55	23.00	
3GPP Rel 6	DC-HSDPA Subtest-3	21.16	21.20	21.09	22.00	
3GPP Rel 6	DC-HSDPA Subtest-4	21.18	21.12	21.02	22.00	
3GPP Rel 6	HSUPA Subtest-1	20.85	20.35	20.29	21.00	
3GPP Rel 6	HSUPA Subtest-2	20.33	20.35	20.19	21.00	
3GPP Rel 6	HSUPA Subtest-3	21.32	21.35	21.29	22.00	
3GPP Rel 6	HSUPA Subtest-4	19.92	19.87	19.80	20.00	
3GPP Rel 6	HSUPA Subtest-5	21.20	21.30	21.10	22.00	
3GPP Rel 7	HSPA+ (LQAM) Subtest-1	20.25	20.30	20.07	21.00	

Band		WCDMA IV_Ant 1			Tune-up	
TX Channel		1312	1413	1513	Limit	
Rx Channel		1537	1638	1739	(dBm)	
Frequency (MHz)		1713.4	1732.6	1752.6		
3GPP Rel 99	AMR 12.2Kbps	21.22	21.23	21.25	22.00	
3GPP Rel 99	RMIC 12.2Kbps	21.23	21.28	21.27	22.00	
3GPP Rel 6	HSDPA Subtest-1	20.24	20.23	20.21	21.00	
3GPP Rel 6	HSDPA Subtest-2	20.14	20.13	20.16	21.00	
3GPP Rel 6	HSDPA Subtest-3	19.63	19.64	19.69	20.00	
3GPP Rel 6	HSDPA Subtest-4	19.60	19.61	19.63	20.00	
3GPP Rel 6	DC-HSDPA Subtest-1	19.89	19.87	19.85	21.00	
3GPP Rel 6	DC-HSDPA Subtest-2	19.93	19.93	19.97	21.00	
3GPP Rel 6	DC-HSDPA Subtest-3	19.50	19.35	19.42	20.00	
3GPP Rel 6	DC-HSDPA Subtest-4	19.35	19.37	19.38	20.00	
3GPP Rel 6	HSUPA Subtest-1	18.89	18.79	18.81	19.00	
3GPP Rel 6	HSUPA Subtest-2	18.79	18.77	18.76	19.00	
3GPP Rel 6	HSUPA Subtest-3	19.81	19.74	19.80	20.00	
3GPP Rel 6	HSUPA Subtest-4	18.31	18.26	18.21	18.50	
3GPP Rel 6	HSUPA Subtest-5	19.70	19.70	19.70	20.00	
3GPP Rel 7	HSPA+ (LQAM) Subtest-1	18.82	18.98	18.50	19.00	



Band 2_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
20	QPSK	1	0	19.30	19.13	19.26	20.5	0				
20	QPSK	1	49	19.49	19.63	19.55						
20	QPSK	1	99	19.16	19.12	19.33						
20	QPSK	50	0	19.55	19.60	19.54	20.5	0				
20	QPSK	50	24	19.56	19.54	19.57						
20	QPSK	50	50	19.54	19.41	19.53						
20	QPSK	100	0	19.53	19.58	19.45	20.5	0				
20	16QAM	1	0	19.31	19.33	19.50						
20	16QAM	1	49	19.59	19.52	19.50						
20	16QAM	1	99	19.15	19.62	19.44	20.5	0				
20	16QAM	50	0	19.55	19.40	19.45						
20	16QAM	50	24	19.53	19.52	19.60						
20	16QAM	50	50	19.59	19.53	19.56	20.5	0				
20	16QAM	100	0	19.55	19.54	19.57						
20	64QAM	1	0	19.62	19.13	19.59						
20	64QAM	1	49	19.54	19.49	19.55	20.5	0				
20	64QAM	1	99	19.31	19.37	19.45						
20	64QAM	50	0	19.56	19.59	19.52						
20	64QAM	50	24	19.57	19.49	19.54	20.5	0				
20	64QAM	50	50	19.56	19.52	19.56						
20	64QAM	100	0	19.50	19.56	19.58						
Channel												
Frequency (MHz)												
15	QPSK	1	0	19.17	18.99	19.20	20.5	0				
15	QPSK	1	37	19.39	19.52	19.40						
15	QPSK	1	74	19.05	19.04	19.28						
15	QPSK	36	0	19.40	19.53	19.39	20.5	0				
15	QPSK	36	20	19.44	19.44	19.44						
15	QPSK	36	36	19.44	19.31	19.48						
15	QPSK	75	0	19.39	19.51	19.33	20.5	0				
15	16QAM	1	0	19.25	19.27	19.45						
15	16QAM	1	37	19.48	19.41	19.44						
15	16QAM	1	74	19.05	19.56	19.37	20.5	0				
15	16QAM	36	0	19.40	19.31	19.31						
15	16QAM	36	20	19.40	19.38	19.48						
15	16QAM	36	36	19.52	19.47	19.48	20.5	0				
15	16QAM	75	0	19.50	19.45	19.45						
15	64QAM	1	0	19.57	19.02	19.45						
15	64QAM	1	37	19.43	19.44	19.47	20.5	0				
15	64QAM	1	74	19.22	19.25	19.39						
15	64QAM	36	0	19.42	19.47	19.37						
15	64QAM	36	20	19.52	19.38	19.47	20.5	0				
15	64QAM	36	36	19.47	19.45	19.47						
15	64QAM	75	0	19.35	19.44	19.51						
Channel												
Frequency (MHz)												
10	QPSK	1	0	19.25	19.06	19.16	20.5	0				
10	QPSK	1	25	19.37	19.56	19.42						
10	QPSK	1	49	19.09	19.03	19.18						
10	QPSK	25	0	19.43	19.45	19.49	20.5	0				
10	QPSK	25	12	19.43	19.44	19.48						
10	QPSK	25	25	19.41	19.36	19.40						
10	QPSK	50	0	19.46	19.50	19.38	20.5	0				
10	16QAM	1	0	19.20	19.22	19.37						
10	16QAM	1	25	19.53	19.47	19.40						
10	16QAM	1	49	19.06	19.55	19.31	20.5	0				
10	16QAM	25	0	19.46	19.31	19.40						
10	16QAM	25	12	19.46	19.43	19.45						
10	16QAM	25	25	19.48	19.47	19.46	20.5	0				
10	16QAM	50	0	19.47	19.43	19.46						
10	64QAM	1	0	19.53	19.05	19.50						
10	64QAM	1	25	19.39	19.41	19.43	20.5	0				
10	64QAM	1	49	19.16	19.25	19.30						
10	64QAM	25	0	19.42	19.44	19.38						
10	64QAM	25	12	19.42	19.46	19.43	20.5	0				
10	64QAM	25	25	19.51	19.45	19.51						
10	64QAM	50	0	19.41	19.47	19.53						
Channel												
Frequency (MHz)												
5	QPSK	1	0	19.18	19.04	19.13	20.5	0				
5	QPSK	1	12	19.32	19.49	19.42						
5	QPSK	1	24	19.07	19.03	19.22						
5	QPSK	12	0	19.40	19.52	19.43	20.5	0				
5	QPSK	12	7	19.42	19.38	19.46						
5	QPSK	12	13	19.41	19.30	19.39						
5	QPSK	25	0	19.35	19.44	19.34	20.5	0				
5	16QAM	1	0	19.16	19.16	19.37						
5	16QAM	1	12	19.43	19.42	19.34						
5	16QAM	1	24	19.03	19.46	19.30	20.5	0				
5	16QAM	12	0	19.41	19.31	19.29						
5	16QAM	12	7	19.40	19.37	19.44						
5	16QAM	12	13	19.47	19.39	19.48	20.5	0				
5	16QAM	25	0	19.38	19.38	19.40						
5	64QAM	1	0	19.46	18.98	19.48						
5	64QAM	1	12	19.38	19.35	19.41	20.5	0				
5	64QAM	1	24	19.16	19.20	19.28						
5	64QAM	12	0	19.38	19.46	19.34						
5	64QAM	12	7	19.43	19.39	19.42	20.5	0				
5	64QAM	12	13	19.46	19.36	19.43						
5	64QAM	25	0	19.40	19.47	19.49						
Channel												
Frequency (MHz)												
3	QPSK	1	0	19.22	18.96	19.09	20.5	0				
3	QPSK	1	8	19.34	19.54	19.39						
3	QPSK	1	14	19.00	19.02	19.15						
3	QPSK	8	0	19.47	19.49	19.44	20.5	0				
3	QPSK	8	4	19.40	19.39	19.45						
3	QPSK	8	7	19.36	19.30	19.43						
3	QPSK	15	0	19.42	19.42	19.27	20.5	0				
3	16QAM	1	0	19.16	19.22	19.38						
3	16QAM	1	8	19.43	19.39	19.38						
3	16QAM	1	14	19.07	19.48	19.35	20.5	0				
3	16QAM	8	0	19.43	19.26	19.30						
3	16QAM	8	4	19.37	19.37	19.48						
3	16QAM	8	7	19.44	19.36	19.45	20.5	0				
3	16QAM	15	0	19.47	19.46	19.46						
3	64QAM	1	0	19.46	19.04	19.42						
3	64QAM	1	8	19.44	19.40	19.46	20.5	0				
3	64QAM	1	14	19.23	19.25	19.28						
3	64QAM	8	0	19.46	19.47	19.35						
3	64QAM	8	4	19.46	19.38	19.45	20.5	0				
3	64QAM	8	7	19.48	19.38	19.41						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	19.18	18.96	19.14	20.5	0				
1.4	QPSK	1	3	19.38	19.46	19.42						
1.4	QPSK	1	5	19.02	18.93	19.19						
1.4	QPSK	3	0	19.26	19.40	19.38	20.5	0				
1.4	QPSK	3	1	19.43	19.42	19.43						
1.4	QPSK	3	3	19.40	19.26	19.43						
1.4	QPSK	6	0	19.39	19.39	19.31	20.5	0				
1.4	16QAM	1	0	19.15	19.21	19.37						
1.4	16QAM	1	3	19.48	19.40	19.40						
1.4	16QAM	1	5	18.95	19.46	19.32	20.5	0				
1.4	16QAM	3	0	19.37	19.21	19.25						
1.4	16QAM	3	1	19.39	19.35	19.44						
1.4	16QAM	3	3	19.39	19.37	19.44	20.5	0				
1.4	16QAM	6	0	19.44	19.44	19.37						
1.4	64QAM	1	0	19.47	18.98	19.44						
1.4	64QAM	1	3	19.43	19.36	19.40	20.5	0				
1.4	64QAM	1	5	19.11	19.27	19.29						
1.4	64QAM	3	0	19.44	19.42	19.33						
1.4	64QAM	3	1	19.43	19.42	19.38	20.5	0				
1.4	64QAM	3	3	19.39	19.36	19.43						
1.4	64QAM	6	0	19.38	19.40	19.44	20.5	0				

Band 7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2055	2060	18.5	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.94	16.87	16.70			
20	QPSK	1	49	17.22	17.29	17.24	18.5	0	
20	QPSK	1	99	16.87	16.96	17.25			
20	QPSK	50	0	17.16	17.25	17.22			
20	QPSK	50	24	17.19	17.20	17.24	18.5	0	
20	QPSK	50	50	17.13	17.23	17.35			
20	QPSK	100	0	17.10	17.23	17.21			
20	16QAM	1	0	16.88	17.01	16.83	18.5	0	
20	16QAM	1	49	17.01	17.20	17.02			
20	16QAM	1	99	17.04	16.94	17.14			
20	16QAM	50	0	17.05	16.94	16.98	18.5	0	
20	16QAM	50	24	17.19	17.17	17.04			
20	16QAM	50	50	16.93	17.01	17.04			
20	16QAM	100	0	17.09	16.96	16.95	18.5	0	
20	84QAM	1	0	17.05	16.87	16.86			
20	84QAM	1	49	17.12	17.05	17.14			
20	84QAM	1	99	17.05	16.88	16.97	18.5	0	
20	84QAM	50	0	17.18	17.14	16.93			
20	84QAM	50	24	17.11	17.10	17.18			
20	84QAM	50	50	17.17	16.90	17.02	18.5	0	
20	84QAM	100	0	17.18	17.13	16.98			
Channel				20625	21100	21375	18.5	0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.89	16.75	16.55			
15	QPSK	1	37	17.08	17.17	17.12	18.5	0	
15	QPSK	1	74	16.82	16.81	17.10			
15	QPSK	36	0	17.04	17.19	17.13	18.5	0	
15	QPSK	36	20	17.06	17.13	17.10			
15	QPSK	36	39	17.00	17.08	17.07			
15	QPSK	75	0	17.04	17.16	17.14	18.5	0	
15	16QAM	1	0	16.79	16.87	16.74			
15	16QAM	1	37	16.86	17.12	16.93			
15	16QAM	1	74	16.93	16.88	17.03	18.5	0	
15	16QAM	36	0	16.98	16.87	16.87			
15	16QAM	36	20	17.14	17.09	16.96			
15	16QAM	36	39	16.86	16.94	16.96	18.5	0	
15	16QAM	75	0	17.03	16.84	16.82			
15	84QAM	1	0	16.98	16.79	16.81			
15	84QAM	1	37	16.99	16.98	17.05	18.5	0	
15	84QAM	1	74	17.00	16.78	16.86			
15	84QAM	36	0	17.08	17.00	16.82			
15	84QAM	36	20	17.03	16.77	16.96	18.5	0	
15	84QAM	36	39	17.03	16.77	16.97			
15	84QAM	75	0	17.09	17.00	16.88			
Channel				20800	21100	21400	18.5	0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.82	16.77	16.58			
10	QPSK	1	25	17.08	17.24	17.19	18.5	0	
10	QPSK	1	49	16.80	16.81	17.15			
10	QPSK	25	0	17.11	17.17	17.09	18.5	0	
10	QPSK	25	12	17.06	17.09	17.17			
10	QPSK	25	25	17.02	17.10	17.02	18.5	0	
10	QPSK	50	0	17.03	17.17	17.08			
10	16QAM	1	0	16.74	16.86	16.73			
10	16QAM	1	25	16.93	17.07	16.91	18.5	0	
10	16QAM	1	49	16.96	16.81	17.08			
10	16QAM	25	0	16.93	16.86	16.85			
10	16QAM	25	12	17.12	17.11	16.96	18.5	0	
10	16QAM	25	25	16.79	16.89	16.93			
10	16QAM	50	0	17.03	16.90	16.87			
10	84QAM	1	0	16.98	16.78	16.78	18.5	0	
10	84QAM	1	25	17.04	16.97	17.01			
10	84QAM	1	49	16.91	16.74	16.83			
10	84QAM	25	0	17.09	17.04	16.88	18.5	0	
10	84QAM	25	12	17.01	16.90	17.04			
10	84QAM	25	25	17.06	16.76	16.97			
10	84QAM	50	0	17.03	17.01	16.88	18.5	0	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.87	16.75	16.55	18.5	0	
5	QPSK	1	12	17.07	17.22	17.19			
5	QPSK	1	24	16.78	16.90	17.14			
5	QPSK	12	0	17.07	17.15	17.15	18.5	0	
5	QPSK	12	7	17.06	17.13	17.19			
5	QPSK	12	13	17.08	17.13	17.01			
5	QPSK	25	0	17.02	17.09	17.12	18.5	0	
5	16QAM	1	0	16.79	16.86	16.70			
5	16QAM	1	12	16.90	17.07	16.91			
5	16QAM	1	24	16.93	16.82	17.01	18.5	0	
5	16QAM	12	0	16.98	16.84	16.92			
5	16QAM	12	7	17.12	17.03	16.96			
5	16QAM	12	13	16.86	16.89	16.90	18.5	0	
5	16QAM	25	0	16.96	16.86	16.80			
5	84QAM	1	0	16.96	16.80	16.80			
5	84QAM	1	12	17.02	16.99	17.01	18.5	0	
5	84QAM	1	24	16.94	16.76	16.90			
5	84QAM	12	0	17.04	17.05	16.87			
5	84QAM	12	7	17.05	17.02	17.04	18.5	0	
5	84QAM	12	13	17.12	16.83	16.92			
5	84QAM	25	0	17.03	16.98	16.84			

Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23250	23250	23250	25	0	
Frequency (MHz)				762					
10	QPSK	1	0		23.42		25	0	
10	QPSK	1	25		23.63				
10	QPSK	1	49		23.37				
10	QPSK	25	0		22.52		24	1	
10	QPSK	25	12		22.51				
10	QPSK	25	25		22.49				
10	QPSK	50	0		22.51		24	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.78				
10	16QAM	1	49		22.61		23	2	
10	16QAM	25	0		21.49				
10	16QAM	25	12		21.48				
10	16QAM	25	25		21.48		23	2	
10	16QAM	50	0		21.47				
10	84QAM	1	0		21.54				
10	84QAM	1	25		21.68		23	2	
10	84QAM	1	49		21.54				
10	84QAM	25	0		20.51				
10	84QAM	25	12		20.53		22	3	
10	84QAM	25	25		20.52				
10	84QAM	50	0		20.51				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	23.34	23.31	23.31	25	0	
5	QPSK	1	12	23.62	23.61	23.61			
5	QPSK	1	24	23.33	23.30	23.25			
5	QPSK	12	0	22.46	22.50	22.47	24	1	
5	QPSK	12	7	22.36	22.55	22.50			
5	QPSK	12	13	22.45	22.47	22.45			
5	QPSK	25	0	22.49	22.49	22.45	24	1	
5	16QAM	1	0	22.58	22.60	22.55			
5	16QAM	1	12	22.92	22.85	22.89			
5	16QAM	1	24	22.62	22.58	22.54	23	2	
5	16QAM	12	0	21.39	21.47	21.45			
5	16QAM	12	7	21.51	21.45	21.45			
5	16QAM	12	13	21.43	21.42	21.39	23	2	
5	16QAM	25	0	21.45	21.46	21.43			
5	84QAM	1	0	21.49	21.44	21.44			
5	84QAM	1	12	21.73	21.74	21.74	23	2	
5	84QAM	1	24	21.46	21.47	21.37			
5	84QAM	12	0	20.45	20.52	20.50			
5	84QAM	12	7	20.59	20.54	20.49	22	3	
5	84QAM	12	13	20.49	20.46	20.44			
5	84QAM	25	0	20.45	20.47	20.43			



Band 19_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				24075			25	0	
Frequency (MHz)				837.5					
15	QPSK	1	0	23.41			24	1	
15	QPSK	1	37	23.58					
15	QPSK	1	74	23.27					
15	QPSK	36	0	22.65					
15	QPSK	36	20	22.56			23	2	
15	QPSK	36	39	22.49					
15	QPSK	75	0	22.52					
15	16QAM	1	0	22.62					
15	16QAM	1	37	22.90			24	1	
15	16QAM	1	74	22.49					
15	16QAM	36	0	21.55					
15	16QAM	36	20	21.53					
15	16QAM	36	39	21.51			23	2	
15	16QAM	75	0	21.55					
15	64QAM	1	0	21.60					
15	64QAM	1	37	21.86					
15	64QAM	1	74	21.42			22	3	
15	64QAM	36	0	20.53					
15	64QAM	36	20	20.56					
15	64QAM	36	39	20.48					
15	64QAM	75	0	20.50			Tune-up limit (dBm)		MPR (dB)
Channel				24050	24075	24100			
Frequency (MHz)				835	837.5	840	25	0	
10	QPSK	1	0	23.45	23.42	23.46			
10	QPSK	1	25	23.49	23.56	23.54	24	1	
10	QPSK	1	49	23.39	23.40	23.31			
10	QPSK	25	0	22.60	22.55	22.53			
10	QPSK	25	12	22.55	22.54	22.52			
10	QPSK	25	25	22.56	22.53	22.47	24	1	
10	QPSK	50	0	22.59	22.57	22.51			
10	16QAM	1	0	22.65	22.69	22.73			
10	16QAM	1	25	22.84	22.83	22.80			
10	16QAM	1	49	22.71	22.64	22.57	23	2	
10	16QAM	25	0	21.62	21.58	21.55			
10	16QAM	25	12	21.56	21.56	21.52			
10	16QAM	25	25	21.56	21.56	21.47			
10	16QAM	50	0	21.58	21.56	21.53	23	2	
10	64QAM	1	0	21.61	21.65	21.65			
10	64QAM	1	25	21.78	21.72	21.75			
10	64QAM	1	49	21.62	21.56	21.51			
10	64QAM	25	0	20.56	20.48	20.49	22	3	
10	64QAM	25	12	20.53	20.52	20.50			
10	64QAM	25	25	20.56	20.52	20.43			
10	64QAM	50	0	20.53	20.53	20.47			
Channel				24025	24075	24125	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				832.5	837.5	842.5			
5	QPSK	1	0	23.33	23.36	23.28	25	0	
5	QPSK	1	12	23.54	23.54	23.49			
5	QPSK	1	24	23.33	23.29	23.19			
5	QPSK	12	0	22.50	22.50	22.47			
5	QPSK	12	13	22.47	22.52	22.38	24	1	
5	QPSK	25	0	22.52	22.49	22.42			
5	16QAM	1	0	22.55	22.59	22.57			
5	16QAM	1	12	22.83	22.91	22.81			
5	16QAM	1	24	22.54	22.55	22.48	24	1	
5	16QAM	12	0	21.50	21.51	21.49			
5	16QAM	12	7	21.56	21.55	21.50			
5	16QAM	12	13	21.52	21.47	21.38			
5	16QAM	25	0	21.50	21.51	21.43	23	2	
5	64QAM	1	0	21.51	21.57	21.50			
5	64QAM	1	12	21.83	21.85	21.86			
5	64QAM	1	24	21.53	21.50	21.41			
5	64QAM	12	0	20.49	20.48	20.46	23	2	
5	64QAM	12	7	20.54	20.54	20.49			
5	64QAM	12	13	20.50	20.49	20.38			
5	64QAM	25	0	20.47	20.46	20.37			

Band 26_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				819	831.5	844.5			
15	QPSK	1	0	23.53	23.62	23.56	25	0	
15	QPSK	1	37	23.60	23.63	23.53			
15	QPSK	1	74	23.35	23.37	23.16			
15	QPSK	36	0	22.51	22.54	22.41			
15	QPSK	36	20	22.53	22.48	22.37	24	1	
15	QPSK	36	39	22.50	22.45	22.25			
15	QPSK	75	0	22.48	22.50	22.35			
15	16QAM	1	0	22.66	22.57	22.54			
15	16QAM	1	37	22.83	22.81	22.71	24	1	
15	16QAM	1	74	22.59	22.51	22.41			
15	16QAM	36	0	21.51	21.52	21.40			
15	16QAM	36	20	21.54	21.43	21.35			
15	16QAM	36	39	21.51	21.40	21.21	23	2	
15	16QAM	75	0	21.52	21.48	21.33			
15	64QAM	1	0	21.62	21.49	21.43			
15	64QAM	1	37	21.82	21.73	21.64			
15	64QAM	1	74	21.48	21.45	21.33	23	2	
15	64QAM	36	0	20.49	20.48	20.43			
15	64QAM	36	20	20.54	20.44	20.35			
15	64QAM	36	39	20.49	20.42	20.21			
15	64QAM	75	0	20.46	20.44	20.33	Tune-up limit (dBm)		MPR (dB)
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.51	23.37	23.30			
10	QPSK	1	25	23.57	23.45	23.29			
10	QPSK	1	49	23.41	23.32	23.20			
10	QPSK	25	0	22.57	22.54	22.39			
10	QPSK	25	12	22.56	22.45	22.34	24	1	
10	QPSK	25	25	22.58	22.42	22.19			
10	QPSK	50	0	22.58	22.50	22.31			
10	16QAM	1	0	22.69	22.57	22.59			
10	16QAM	1	25	22.78	22.68	22.56	24	1	
10	16QAM	1	49	22.66	22.61	22.47			
10	16QAM	25	0	21.55	21.51	21.37			
10	16QAM	25	12	21.56	21.43	21.33			
10	16QAM	25	25	21.58	21.41	21.15	23	2	
10	16QAM	50	0	21.58	21.48	21.28			
10	64QAM	1	0	21.63	21.55	21.48			
10	64QAM	1	25	21.77	21.61	21.52			
10	64QAM	1	49	21.66	21.47	21.39	23	2	
10	64QAM	25	0	20.53	20.52	20.38			
10	64QAM	25	12	20.56	20.43	20.32			
10	64QAM	25	25	20.53	20.41	20.19			
10	64QAM	50	0	20.54	20.48	20.31	Tune-up limit (dBm)		MPR (dB)
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.40	23.28	23.10			
5	QPSK	1	12	22.61	23.50	23.43			
5	QPSK	1	24	23.39	23.25	23.13			
5	QPSK	12	0	22.52	22.43	22.32			
5	QPSK	12	7	22.55	22.44	22.31	24	1	
5	QPSK	12	13	22.54	22.37	22.18			
5	QPSK	25	0	22.52	22.38	22.27			
5	16QAM	1	0	22.62	22.52	22.38			
5	16QAM	1	12	22.91	22.78	22.60	24	1	
5	16QAM	1	24	22.61	22.47	22.37			
5	16QAM	12	0	21.53	21.39	21.29			
5	16QAM	12	7	21.57	21.40	21.26			
5	16QAM	12	13	21.52	21.34	21.16	23	2	
5	16QAM	25	0	21.54	21.37	21.26			
5	64QAM	1	0	21.57	21.43	21.29			
5	64QAM	1	12	21.87	21.66	21.52			
5	64QAM	1	24	21.59	21.45	21.30	23	2	
5	64QAM	12	0	20.52	20.43	20.33			
5	64QAM	12	7	20.56	20.43	20.34			
5	64QAM	12	13	20.52	20.38	20.17			
5	64QAM	25	0	20.48	20.38	20.27	Tune-up limit (dBm)		MPR (dB)
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.53	23.42	23.21			
3	QPSK	1	8	23.48	23.36	23.22			
3	QPSK	1	14	23.49	23.36	23.25			
3	QPSK	8	0	22.54	22.40	22.28			
3	QPSK	8	4	22.58	22.45	22.35	24	1	
3	QPSK	8	7	22.52	22.40	22.27			
3	QPSK	15	0	22.58	22.43	22.28			
3	16QAM	1	0	22.72	22.63	22.45			
3	16QAM	1	8	22.72	22.59	22.47	24	1	
3	16QAM	1	14	22.75	22.61	22.47			
3	16QAM	8	0	21.63	21.47	21.33			
3	16QAM	8	4	21.63	21.47	21.35			
3	16QAM	8	7	21.60	21.44	21.30	23	2	
3	16QAM	15	0	21.58	21.40	21.29			
3	64QAM	1	0	21.69	21.52	21.36			
3	64QAM	1	8	21.65	21.53	21.41			
3	64QAM	1	14	21.72	21.52	21.40	23	2	
3	64QAM	8	0	20.55	20.44	20.31			
3	64QAM	8	4	20.56	20.42	20.29			
3	64QAM	8	7	20.55	20.41	20.28			
3	64QAM	15	0	20.50	20.39	20.24	Tune-up limit (dBm)		MPR (dB)
Channel				26697	26865	27033			
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	23.44	23.30	23.15			
1.4	QPSK	1	3	23.55	23.40	23.28			
1.4	QPSK	1	5	23.44	23.28	23.17			
1.4	QPSK	3	0	23.58	23.47	23.35			
1.4	QPSK	3	1	23.58	23.47	23.35	24	1	
1.4	QPSK	3	3	23.56	23.41	23.29			
1.4	QPSK	6	0	22.57	22.42	22.30			
1.4	16QAM	1	0	22.61	22.55	22.39			
1.4	16QAM	1	3	22.78	22.67	22.47	24	1	
1.4	16QAM	1	5	22.64	22.57	22.35			
1.4	QPSK	3	0	22.50	22.37	22.27			
1.4	QPSK	3	1	22.54	22.41	22.29			
1.4	16QAM	3	2	22.52	22.38	22.22	23	2	
1.4	16QAM	6	0	21.65	21.46	21.31			
1.4	64QAM	1	0	21.62	21.48	21.32			
1.4	64QAM	1	3	21.79	21.54	21.41			
1.4	64QAM	1	5	21.62	21.48	21.33	23	2	
1.4	64QAM	3	0	21.66	21.46	21.36			
1.4	64QAM	3	1	21.71	21.54	21.42			
1.4	64QAM	3	3	21.64	21.47	21.39			
1.4	64QAM	6	0	20.52	20.38	20.26	22	3	3



Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	19.16	19.19	19.13	20.5	0	
20	QPSK	1	49	19.50	19.59	19.55			
20	QPSK	1	99	19.28	19.26	19.30			
20	QPSK	50	0	19.24	19.51	19.47	20.5	0	
20	QPSK	50	24	19.26	19.39	19.50			
20	QPSK	50	50	19.24	19.28	19.49			
20	QPSK	100	0	19.24	19.40	19.35	20.5	0	
20	16QAM	1	0	19.03	19.08	19.21			
20	16QAM	1	49	19.48	19.50	19.55			
20	16QAM	1	99	19.18	19.32	19.39	20.5	0	
20	16QAM	50	0	19.25	19.34	19.50			
20	16QAM	50	24	19.20	19.30	19.54			
20	16QAM	50	50	19.22	19.36	19.46	20.5	0	
20	16QAM	100	0	19.27	19.35	19.58			
20	64QAM	1	0	18.77	18.85	18.95	20.5	0	
20	64QAM	1	49	19.23	19.31	19.40			
20	64QAM	1	99	18.88	19.07	19.20			
20	64QAM	50	0	18.65	18.80	18.91	20	0.5	
20	64QAM	50	24	18.71	18.87	19.01			
20	64QAM	50	50	18.77	18.82	18.98			
20	64QAM	100	0	18.71	18.81	19.00			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.07	19.08	19.00			
15	QPSK	1	37	19.43	19.47	19.50			
15	QPSK	1	74	19.16	19.14	19.21			
15	QPSK	36	0	19.13	19.45	19.36	20.5	0	
15	QPSK	36	20	19.20	19.31	19.41			
15	QPSK	36	39	19.10	19.15	19.40			
15	QPSK	75	0	19.09	19.35	19.29	20.5	0	
15	16QAM	1	0	18.91	18.98	19.13			
15	16QAM	1	37	19.35	19.45	19.46			
15	16QAM	1	74	19.04	19.21	19.25	20.5	0	
15	16QAM	36	0	19.17	19.29	19.45			
15	16QAM	36	20	19.06	19.19	19.40			
15	16QAM	36	39	19.17	19.31	19.41	20.5	0	
15	16QAM	75	0	19.14	19.28	19.53			
15	64QAM	1	0	18.64	18.78	18.89			
15	64QAM	1	37	19.16	19.19	19.32	20.5	0	
15	64QAM	1	74	18.75	18.94	19.12			
15	64QAM	36	0	18.59	18.71	18.78			
15	64QAM	36	20	18.59	18.73	18.87	20	0.5	
15	64QAM	36	39	18.70	18.72	18.91			
15	64QAM	75	0	18.59	18.74	18.94			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	19.08	19.05	19.00			
10	QPSK	1	25	19.39	19.54	19.49			
10	QPSK	1	49	19.13	19.14	19.19			
10	QPSK	25	0	19.10	19.41	19.32	20.5	0	
10	QPSK	25	12	19.12	19.34	19.39			
10	QPSK	25	25	19.12	19.22	19.41			
10	QPSK	50	0	19.10	19.32	19.24	20.5	0	
10	16QAM	1	0	18.89	18.95	19.16			
10	16QAM	1	25	19.42	19.45	19.48			
10	16QAM	1	49	19.10	19.17	19.27	20.5	0	
10	16QAM	25	0	19.18	19.19	19.39			
10	16QAM	25	12	19.06	19.16	19.41			
10	16QAM	25	25	19.17	19.26	19.34	20.5	0	
10	16QAM	50	0	19.19	19.26	19.49			
10	64QAM	1	0	18.69	18.79	18.88			
10	64QAM	1	25	19.10	19.24	19.27	20.5	0	
10	64QAM	1	49	18.81	19.00	19.13			
10	64QAM	25	0	18.56	18.70	18.78			
10	64QAM	25	12	18.59	18.80	18.94	20	0.5	
10	64QAM	25	25	18.63	18.68	18.85			
10	64QAM	50	0	18.65	18.69	18.88			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	19.08	19.13	19.04			
5	QPSK	1	12	19.39	19.53	19.40			
5	QPSK	1	24	19.13	19.18	19.23			
5	QPSK	12	0	19.18	19.43	19.34	20.5	0	
5	QPSK	12	7	19.20	19.32	19.38			
5	QPSK	12	13	19.11	19.21	19.34			
5	QPSK	25	0	19.09	19.34	19.27	20.5	0	
5	16QAM	1	0	18.91	19.01	19.11			
5	16QAM	1	12	19.41	19.44	19.43			
5	16QAM	1	24	19.13	19.18	19.29	20.5	0	
5	16QAM	12	0	19.15	19.28	19.36			
5	16QAM	12	7	19.13	19.21	19.44			
5	16QAM	12	13	19.11	19.23	19.40	20.5	0	
5	16QAM	25	0	19.21	19.30	19.48			
5	64QAM	1	0	18.69	18.70	18.89	20.5	0	
5	64QAM	1	12	19.10	19.16	19.35			
5	64QAM	1	24	18.82	18.97	19.12			
5	64QAM	12	0	18.59	18.71	18.86	20	0.5	
5	64QAM	12	7	18.63	18.75	18.91			
5	64QAM	12	13	18.64	18.73	18.86			
5	64QAM	25	0	18.58	18.73	18.86			

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Band 41_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				40140	40400	40670	41140	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2545	2571	2598	2645			
20	QPSK	1	0	19.05	19.00	19.03	19.20	20.5	0	
20	QPSK	1	49	19.09	19.17	19.42	19.71			
20	QPSK	1	99	19.19	19.08	19.14	19.20			
20	QPSK	50	0	18.86	18.99	19.21	19.54	20.5	0	
20	QPSK	50	24	18.92	19.06	19.26	19.50			
20	QPSK	50	50	18.86	19.10	19.32	19.46			
20	QPSK	100	0	18.86	19.06	19.28	19.45	20.5	0	
20	16QAM	1	0	18.95	19.00	19.03	19.42			
20	16QAM	1	49	19.14	19.18	19.51	19.70			
20	16QAM	1	99	18.99	19.02	19.22	19.33	20.5	0	
20	16QAM	50	0	18.95	18.94	19.30	19.55			
20	16QAM	50	24	18.95	19.00	19.19	19.69			
20	16QAM	50	50	18.96	19.05	19.22	19.55	20.5	0	
20	16QAM	100	0	18.90	19.06	19.26	19.57			
20	64QAM	1	0	18.85	18.90	18.78	19.05	20.5	0	
20	64QAM	1	49	18.87	18.95	19.28	19.49			
20	64QAM	1	99	18.80	18.72	19.00	19.08			
20	64QAM	50	0	18.69	18.64	18.93	19.04	20.5	0	
20	64QAM	50	24	18.57	18.67	19.01	19.11			
20	64QAM	50	50	18.59	18.76	18.99	19.04			
20	64QAM	100	0	18.57	18.74	19.04	19.05	Channel		
Frequency (MHz)				40115	40395	40685	41165	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	19.92	18.99	19.96	19.07	20.5	0	
15	QPSK	1	37	18.94	19.02	19.37	19.66			
15	QPSK	1	74	19.12	18.94	19.06	19.12			
15	QPSK	36	0	18.71	18.93	19.10	19.49	20.5	0	
15	QPSK	36	20	18.77	19.01	19.19	19.45			
15	QPSK	36	39	18.73	19.01	19.26	19.39			
15	QPSK	75	0	18.77	19.00	19.14	19.33	20.5	0	
15	16QAM	1	0	18.87	18.90	18.96	19.34			
15	16QAM	1	37	19.07	19.10	19.37	19.61			
15	16QAM	1	74	18.90	18.91	19.08	19.24	20.5	0	
15	16QAM	36	0	18.85	18.81	19.23	19.41			
15	16QAM	36	20	18.84	18.87	19.11	19.57			
15	16QAM	36	39	18.87	18.97	19.09	19.42	20.5	0	
15	16QAM	75	0	18.75	18.99	19.15	19.48			
15	16QAM	75	0	18.79	18.78	18.85	18.98			
15	64QAM	1	37	18.80	18.85	19.17	19.37	20.5	0	
15	64QAM	1	74	18.65	18.58	18.86	19.02			
15	64QAM	36	0	18.61	18.55	18.81	18.89			
15	64QAM	36	20	18.47	18.60	18.86	19.01	20.5	0	
15	64QAM	36	39	18.52	18.62	18.93	18.99			
15	64QAM	75	0	18.42	18.63	18.92	19.07			Channel
Frequency (MHz)				2540	2570	2600	2650	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.91	18.89	18.96	19.06	20.5	0	
10	QPSK	1	25	19.02	19.05	19.29	19.62			
10	QPSK	1	49	19.14	18.93	19.07	19.08			
10	QPSK	25	0	18.78	18.86	18.97	19.48	20.5	0	
10	QPSK	25	12	18.85	18.99	19.17	19.40			
10	QPSK	25	25	18.81	19.00	19.19	19.34			
10	QPSK	50	0	18.80	19.00	19.23	19.32	20.5	0	
10	16QAM	1	0	18.80	18.91	18.95	19.30			
10	16QAM	1	25	19.01	19.08	19.38	19.60			
10	16QAM	1	49	18.91	18.92	19.16	19.20	20.5	0	
10	16QAM	25	0	18.86	18.85	19.20	19.49			
10	16QAM	25	12	18.89	18.86	19.08	19.59			
10	16QAM	25	25	18.88	18.91	19.14	19.50	20.5	0	
10	16QAM	50	0	18.78	19.00	19.12	19.49			
10	64QAM	1	0	18.73	18.83	18.82	18.98			
10	64QAM	1	25	18.72	18.88	18.15	18.40	20.5	0	
10	64QAM	1	49	18.75	18.61	18.94	18.98			
10	64QAM	25	0	18.63	18.51	18.88	18.97			
10	64QAM	25	12	18.48	18.54	18.92	18.97	20.5	0	
10	64QAM	25	25	18.46	18.63	18.93	18.91			
10	64QAM	50	0	18.46	18.66	18.86	19.97			Channel
Frequency (MHz)				40095	40385	40705	41215	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.37	20.50	20.91	20.52	20.5	0	
5	QPSK	1	12	19.02	19.03	19.28	19.59			
5	QPSK	1	24	19.09	18.95	19.01	19.05			
5	QPSK	12	0	18.74	18.88	19.08	19.40	20.5	0	
5	QPSK	12	7	18.85	18.98	19.19	19.35			
5	QPSK	12	13	18.81	19.01	19.33	19.33			
5	QPSK	25	0	18.77	18.91	19.17	19.31	20.5	0	
5	16QAM	1	0	18.89	18.93	18.93	19.27			
5	16QAM	1	12	19.02	19.04	19.46	19.55			
5	16QAM	1	24	18.92	18.88	19.09	19.18	20.5	0	
5	16QAM	12	0	18.83	18.79	19.24	19.42			
5	16QAM	12	7	18.94	18.95	19.07	19.57			
5	16QAM	12	13	18.94	18.95	19.12	19.44	20.5	0	
5	16QAM	25	0	18.83	18.96	19.18	19.51			
5	64QAM	1	0	18.79	18.85	18.67	19.00			
5	64QAM	1	12	18.80	18.82	19.20	19.35	20.5	0	
5	64QAM	1	24	18.65	18.64	18.88	18.98			
5	64QAM	12	0	18.64	18.59	18.79	18.97			
5	64QAM	12	7	18.49	18.54	18.80	19.05	20.5	0	
5	64QAM	12	13	18.46	18.68	18.93	18.95			
5	64QAM	25	0	18.45	18.68	18.93	18.98			

Reduced Power for DSi6

GSM850_Ant 0				Frame-Average Power (dBm)				Tune-up	
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	32.28	32.39	32.42	33.50	23.28	23.39	23.42	24.50	
GPRS 1 Tx slot	32.27	32.37	32.41	33.50	23.27	23.37	23.41	24.50	
GPRS 2 Tx slots	29.82	29.94	29.95	30.50	23.82	23.94	23.95	24.50	
GPRS 3 Tx slots	28.08	28.13	28.16	28.50	23.82	23.87	23.90	24.24	
GPRS 4 Tx slots	26.73	26.83	26.82	27.50	23.73	23.83	23.82	24.50	
EDGE 1 Tx slot	27.04	27.06	27.02	28.00	18.04	18.06	18.02	19.00	
EDGE 2 Tx slots	24.17	24.15	23.80	25.00	18.17	18.15	17.80	19.00	
EDGE 3 Tx slots	22.65	22.57	22.50	24.00	18.39	18.31	18.24	19.74	
EDGE 4 Tx slots	21.07	21.15	21.01	22.50	18.07	18.15	18.01	19.50	
Burst-Average Power (dBm)				Tune-up		Frame-Average Power (dBm)			
TX Channel				512	661	810	512	661	810
Frequency (MHz)				1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	26.83	26.80	26.70	27.50	17.83	17.80	17.70	18.50	
GPRS 1 Tx slot	26.81	26.79	26.64	27.50	17.81	17.79	17.64	18.50	
GPRS 2 Tx slots	24.12	24.14	24.01	24.50	18.12	18.14	18.01	18.50	
GPRS 3 Tx slots	22.00	22.13	22.03	22.50	17.74	17.87	17.77	18.24	
GPRS 4 Tx slots	21.08	21.23	21.19	21.50	18.08	18.23	18.19	18.50	
EDGE 1 Tx slot	23.21	23.24	23.14	24.00	14.21	14.24	14.14	15.00	
EDGE 2 Tx slots	20.04	20.01	20.02	21.00	14.04	14.01	14.02	15.00	
EDGE 3 Tx slots	17.92	17.96	17.91	19.00	13.66	13.70	13.65	14.74	
EDGE 4 Tx slots	16.82	16.93	16.80	18.00	13.82	13.93	13.80	15.00	

GSM850_Ant 1				Frame-Average Power (dBm)				Tune-up	
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	32.39	32.48	32.47	33.50	23.39	23.48	23.47	24.50	
GPRS 1 Tx slot	32.38	32.45	32.46	33.50	23.38	23.45	23.46	24.50	
GPRS 2 Tx slots	29.95	30.05	30.02	30.50	23.95	24.05	24.02	24.50	
GPRS 3 Tx slots	28.16	28.21	28.21	28.50	23.90	23.95	23.95	24.24	
GPRS 4 Tx slots	26.83	26.89	26.87	27.50	23.83	23.89	23.87	24.50	
EDGE 1 Tx slot	27.04	27.13	26.94	28.00	18.04	18.13	17.94	19.00	
EDGE 2 Tx slots	24.03	24.08	23.74	25.00	18.03	18.08	17.74	19.00	
EDGE 3 Tx slots	22.63	22.56	22.38	24.00	18.37	18.30	18.12	19.74	
EDGE 4 Tx slots	21.13	21.23	20.91	22.50	18.13	18.23	17.91	19.50	
Burst-Average Power (dBm)				Tune-up		Frame-Average Power (dBm)			
TX Channel				512	661	810	512	661	810
Frequency (MHz)				1850.2	1880	1909.8	1850.2	1880	1909.8
GSM 1 Tx slot	29.42	29.51	29.59	30.50	20.42	20.51	20.59	21.50	
GPRS 1 Tx slot	29.41	29.42	29.58	30.50	20.41	20.42	20.58	21.50	
GPRS 2 Tx slots	27.07	27.09	27.11	27.50	21.07	21.09	21.11	21.50	
GPRS 3 Tx slots	25.30	25.24	25.37	25.50	21.04	20.98	21.11	21.24	
GPRS 4 Tx slots	23.97	24.06	24.05	24.50	20.97	21.06	21.05	21.50	
EDGE 1 Tx slot	25.83	26.14	26.17	27.00	16.83	17.14	17.17	18.00	
EDGE 2 Tx slots	22.85	23.13	23.08	24.00	16.85	17.13	17.08	18.00	
EDGE 3 Tx slots	21.02	21.23	21.13	22.00	16.76	16.97	16.87	17.74	
EDGE 4 Tx slots	19.62	19.83	19.82	21.00	16.62	16.83	16.82	18.00	

Band				WCDMA I_Ant 0				Tune-up	
TX Channel				9262	9400	9538	9262	9400	9538
Rx Channel				9662	9800	9938	9662	9800	9938
Frequency (MHz)				1852.4	1880	1907.6	1852.4	1880	1907.6
3GPP Rel 99 AMR 12.2Kbps	19.75	19.85	19.90	21.00	17.90	17.94	17.96	19.00	
3GPP Rel 99 RMC 12.2Kbps	19.78	19.95	19.93	21.00	18.00	18.05	18.02	19.00	
3GPP Rel 6 HSDPA Subtest-1	18.84	18.90	18.89	20.00	16.90	16.97	16.99	18.00	
3GPP Rel 6 HSDPA Subtest-2	18.73	18.83	18.87	20.00	16.81	16.83	16.91	18.00	
3GPP Rel 6 HSDPA Subtest-3	18.26	18.31	18.34	19.00	16.35	16.30	16.42	17.00	
3GPP Rel 6 HSDPA Subtest-4	18.25	18.31	18.36	19.00	16.28	16.31	16.38	17.00	
3GPP Rel 8 DC-HSDPA Subtest-1	18.48	18.61	18.50	20.00	16.72	16.72	16.74	18.00	
3GPP Rel 8 DC-HSDPA Subtest-2	18.62	18.62	18.64	20.00	16.62	16.64	16.63	18.00	
3GPP Rel 8 DC-HSDPA Subtest-3	17.95	18.20	18.08	19.00	16.02	16.12	16.08	17.00	
3GPP Rel 8 DC-HSDPA Subtest-4	17.92	18.22	18.14	19.00	16.05	16.14	16.22	17.00	
3GPP Rel 6 HSUPA Subtest-1	17.91	17.43	17.52	18.00	15.88	15.90	15.76	16.00	
3GPP Rel 6 HSUPA Subtest-2	17.37	17.43	17.54	18.00	15.50	15.51	15.59	16.00	
3GPP Rel 6 HSUPA Subtest-3	18.35	18.51	18.48	19.00	16.43	16.47	16.54	17.00	
3GPP Rel 6 HSUPA Subtest-4	16.82	16.88	17.02	17.50	15.00	15.02	15.04	15.50	
3GPP Rel 6 HSUPA Subtest-5	18.30	18.40	18.40	19.00	16.30	16.50	16.40	17.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.23	17.06	17.23	18.00	15.33	15.25	15.40	16.00	

Band				WCDMA I_Ant 0				Tune-up	
TX Channel				1312	1413	1513	1312	1413	1513
Rx Channel				1537	1638	1738	1537	1638	1738
Frequency (MHz)				1712.4	1732.6	1752.6	1712.4	1732.6	1752.6
3GPP Rel 99 AMR 12.2Kbps	20.08	20.05	20.10	21.00	20.16	20.20	20.19	21.00	
3GPP Rel 99 RMC 12.2Kbps	20.06	20.13	20.11	21.00	20.15	20.23	20.19	21.00	
3GPP Rel 6 HSDPA Subtest-1	19.13	19.16	19.12	20.00	19.18	19.23	19.15	20.00	
3GPP Rel 6 HSDPA Subtest-2	19.07	19.04	19.07	20.00	19.03	19.15	19.05	20.00	
3GPP Rel 6 HSDPA Subtest-3	18.56	18.51	18.52	19.00	18.56	18.51	18.62	19.00	
3GPP Rel 6 HSDPA Subtest-4	18.55	18.51	18.55	19.00	18.49	18.47	18.52	19.00	
3GPP Rel 6 DC-HSDPA Subtest-1	18.88	19.05	18.81	20.00	18.88	18.76	18.94	20.00	
3GPP Rel 6 DC-HSDPA Subtest-2	18.85	19.86	18.32	20.00	18.89	19.90	18.93	20.00	
3GPP Rel 6 DC-HSDPA Subtest-3	18.45	18.32	18.48	19.00	18.40	18.38	18.32	19.00	
3GPP Rel 6 DC-HSDPA Subtest-4	18.35	18.26	18.39	19.00	18.29	18.28	18.32	19.00	
3GPP Rel 6 HSUPA Subtest-1	17.69	17.66	17.65	18.00	17.52	17.81	17.84	18.00	
3GPP Rel 6 HSUPA Subtest-2	17.69	17.54	17.64	18.00	17.83	17.80	17.80	18.00	
3GPP Rel 6 HSUPA Subtest-3	18.64	18.64	18.65	19.00	18.75	18.74	18.74	19.00	
3GPP Rel 6 HSUPA Subtest-4	17.20	17.15	17.19	17.50	17.20	17.27	17.10	17.50	
3GPP Rel 6 HSUPA Subtest-5	18.50	18.60	18.60	19.00	18.63	18.72	18.63	19.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.39	17.45	17.34	18.00	17.55	17.38	17.53	18.00	

Band				WCDMA V_Ant 0				Tune-up	
TX Channel				4132	4182	4233	4132	4182	4233
Rx Channel				4367	4407	4458	4367	4407	4458
Frequency (MHz)				2284	2304	2324	2284	2304	2324
3GPP Rel 99 AMR 12.2Kbps	22.84	22.81	22.73	24.00	22.80	22.81	22.88	24.00	
3GPP Rel 99 RMC 12.2Kbps	22.85	22.86	22.75	24.00	22.83	22.84	22.89	24.00	
3GPP Rel 6 HSDPA Subtest-1	21.89	21.97	21.80	23.00	21.88	21.89	21.79	23.00	
3GPP Rel 6 HSDPA Subtest-2	21.76	21.77	21.70	23.00	21.81	21.51	21.62	23.00	
3GPP Rel 6 HSDPA Subtest-3	21.25	21.30	21.16	22.00	21.30	21.28	21.15	22.00	
3GPP Rel 6 HSDPA Subtest-4	21.24	21.32	21.17	22.00	21.32	21.22	21.12	22.00	
3GPP Rel 8 DC-HSDPA Subtest-1	21.81	21.85	21.68	23.00	21.79	21.75	21.73	23.00	
3GPP Rel 8 DC-HSDPA Subtest-2	21.71	21.62	21.62	23.00	21.69	21.36	21.55	23.00	
3GPP Rel 8 DC-HSDPA Subtest-3	21.17	21.15	21.11	22.00	21.16	21.20	21.09	22.00	
3GPP Rel 8 DC-HSDPA Subtest-4	21.15	21.24	21.12	22.00	21.18	21.12	21.02	22.00	
3GPP Rel 6 HSUPA Subtest-1	20.39	20.40	20.31	21.00	20.85	20.35	20.29	21.00	
3GPP Rel 6 HSUPA Subtest-2	20.35	20.35	20.23	21.00	20.33	20.36	20.19	21.00	
3GPP Rel 6 HSUPA Subtest-3	21.38	21.36	21.33	22.00	21.32	21.35	21.29	22.00	
3GPP Rel 6 HSUPA Subtest-4	19.84	19.92	19.82	20.50	19.92	19.87	19.80	20.50	
3GPP Rel 6 HSUPA Subtest-5	21.30	21.30	21.10	22.00	21.20	21.30	21.10	22.00	
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	20.26	20.21	20.12	21.00	20.25	20.30	20.07	21.00	



Band 2_Ant 0														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	19.17	19.02	19.18	20.5	0						
20	QPSK	1	49	19.31	19.45	19.33								
20	QPSK	1	99	18.96	19.16	19.10								
20	QPSK	50	0	19.15	19.41	19.30	20.5	0						
20	QPSK	50	24	19.37	19.15	19.28								
20	QPSK	50	50	19.03	19.18	19.30								
20	QPSK	100	0	19.14	19.17	19.17	20.5	0						
20	16QAM	1	0	18.78	18.86	18.83								
20	16QAM	1	49	18.87	18.89	18.83								
20	16QAM	1	99	19.17	19.17	19.07	20.5	0						
20	16QAM	50	0	19.08	19.23	19.21								
20	16QAM	50	24	19.27	19.23	19.26								
20	16QAM	50	50	19.14	19.15	19.23	20.5	0						
20	16QAM	100	0	19.14	19.17	19.17								
20	64QAM	1	0	18.99	19.11	19.27	20.5	0						
20	64QAM	1	49	19.17	19.06	19.06								
20	64QAM	1	99	19.17	19.29	19.37								
20	64QAM	50	0	19.02	19.29	19.16	20.5	0						
20	64QAM	50	24	19.13	19.03	19.16								
20	64QAM	50	50	19.14	19.26	19.15								
20	64QAM	100	0	19.25	19.13	19.31	20.5	0						
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.05	18.90	19.03	20.5	0						
15	QPSK	1	37	19.26	19.37	19.23								
15	QPSK	1	74	18.83	19.06	18.98								
15	QPSK	36	0	19.08	19.33	19.25	20.5	0						
15	QPSK	36	20	19.32	19.04	19.22								
15	QPSK	36	39	18.92	19.05	18.95								
15	QPSK	75	0	19.10	19.18	19.06	20.5	0						
15	16QAM	1	0	18.70	18.80	18.70								
15	16QAM	1	37	18.82	18.80	18.71								
15	16QAM	1	74	19.03	19.04	18.99	20.5	0						
15	16QAM	36	0	18.94	19.14	19.09								
15	16QAM	36	20	19.13	19.12	19.21								
15	16QAM	36	39	19.00	19.21	19.07	20.5	0						
15	16QAM	75	0	19.15	19.02	19.21								
Channel														
Frequency (MHz)														
10	QPSK	1	0	19.11	18.97	19.04	20.5	0						
10	QPSK	1	25	19.21	19.34	19.22								
10	QPSK	1	49	18.86	19.09	19.01								
10	QPSK	25	0	19.09	19.36	19.21	20.5	0						
10	QPSK	25	12	19.25	18.99	19.17								
10	QPSK	25	25	18.93	19.13	18.96								
10	QPSK	50	0	19.09	19.15	19.09	20.5	0						
10	16QAM	1	0	18.66	18.75	18.75								
10	16QAM	1	25	18.82	18.83	18.76								
10	16QAM	1	49	19.04	19.11	18.99	20.5	0						
10	16QAM	25	0	19.00	19.10	19.11								
10	16QAM	25	12	19.16	19.18	19.14								
10	16QAM	25	25	19.09	19.02	19.11	20.5	0						
10	16QAM	50	0	19.08	19.10	19.02								
10	64QAM	1	0	18.88	18.98	19.16								
10	64QAM	1	25	19.07	18.98	18.99	20.5	0						
10	64QAM	1	49	19.08	19.19	19.28								
10	64QAM	25	0	18.87	19.24	19.06								
10	64QAM	25	12	19.01	18.95	19.03	20.5	0						
10	64QAM	25	25	19.08	19.17	19.08								
10	64QAM	50	0	19.20	19.08	19.21								
Channel														
Frequency (MHz)														
5	QPSK	1	0	19.08	18.88	19.10	20.5	0						
5	QPSK	1	12	19.20	19.39	19.19								
5	QPSK	1	24	18.84	19.01	18.96								
5	QPSK	12	0	19.07	19.34	19.19	20.5	0						
5	QPSK	12	7	19.25	18.99	19.23								
5	QPSK	12	13	18.98	19.06	18.91								
5	QPSK	25	0	19.08	19.11	19.11	20.5	0						
5	16QAM	1	0	18.66	18.76	18.75								
5	16QAM	1	12	18.78	18.74	18.75								
5	16QAM	1	24	19.06	19.08	18.99	20.5	0						
5	16QAM	12	0	18.95	19.08	19.11								
5	16QAM	12	7	19.19	19.18	19.11								
5	16QAM	12	13	19.09	19.10	19.12	20.5	0						
5	16QAM	25	0	19.04	19.03	19.11								
5	64QAM	1	0	18.87	19.03	19.21								
5	64QAM	1	12	19.09	18.93	18.98	20.5	0						
5	64QAM	1	24	19.03	19.21	19.11								
5	64QAM	12	0	18.90	19.20	19.29								
5	64QAM	12	7	19.04	18.93	19.05	20.5	0						
5	64QAM	12	13	18.99	19.18	19.05								
5	64QAM	25	0	19.17	19.06	19.22								
Channel														
Frequency (MHz)														
3	QPSK	1	0	19.11	18.87	19.09	20.5	0						
3	QPSK	1	8	19.24	19.30	19.27								
3	QPSK	1	14	18.86	19.06	18.97								
3	QPSK	8	0	19.09	19.34	19.19	20.5	0						
3	QPSK	8	4	19.22	18.98	19.20								
3	QPSK	8	7	18.91	19.06	18.94								
3	QPSK	15	0	19.06	19.10	19.09	20.5	0						
3	16QAM	1	0	18.65	18.75	18.71								
3	16QAM	1	8	18.77	18.82	18.69								
3	16QAM	1	14	19.02	19.09	18.97	20.5	0						
3	16QAM	8	0	19.09	19.14	19.08								
3	16QAM	8	4	19.13	19.09	19.19								
3	16QAM	8	7	19.08	19.03	19.09	20.5	0						
3	16QAM	15	0	19.08	19.05	19.07								
3	64QAM	1	0	18.93	19.02	19.18								
3	64QAM	1	8	19.06	18.97	18.93	20.5	0						
3	64QAM	1	14	19.06	19.20	19.27								
3	64QAM	8	0	18.87	19.18	19.05								
3	64QAM	8	4	19.02	18.92	19.03	20.5	0						
3	64QAM	8	7	19.07	19.19	19.03								



Band 4_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1727.5	1745			
20	QPSK	1	0	19.16	19.07	19.27	20.5	0	
20	QPSK	1	49	19.37	19.59	19.30			
20	QPSK	1	99	19.04	19.33	19.06			
20	QPSK	50	0	19.37	19.55	19.40	20.5	0	
20	QPSK	50	24	19.36	19.52	19.36			
20	QPSK	50	50	19.32	19.38	19.23			
20	QPSK	100	0	19.39	19.43	19.40	20.5	0	
20	16QAM	1	0	19.19	19.24	19.17			
20	16QAM	1	49	19.27	19.50	19.39			
20	16QAM	1	99	19.25	19.27	19.30	20.5	0	
20	16QAM	50	0	19.40	19.44	19.25			
20	16QAM	50	24	19.54	19.50	19.53			
20	16QAM	50	50	19.49	19.52	19.44	20.5	0	
20	16QAM	100	0	19.35	19.44	19.28			
20	64QAM	1	0	19.46	19.44	19.33			
20	64QAM	1	49	19.46	19.34	19.50	20.5	0	
20	64QAM	1	99	19.43	18.85	19.36			
20	64QAM	50	0	19.25	19.27	19.41			
20	64QAM	50	24	19.27	19.32	19.35	20.5	0	
20	64QAM	50	50	19.25	19.42	19.22			
20	64QAM	100	0	19.28	19.25	19.35			
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	19.05	18.92	19.14	20.5	0	
15	QPSK	1	37	18.32	18.51	19.18			
15	QPSK	1	74	17.97	18.18	18.91			
15	QPSK	36	0	18.31	18.48	18.26	20.5	0	
15	QPSK	36	20	18.31	18.46	19.25			
15	QPSK	36	39	18.18	18.28	19.13			
15	QPSK	75	0	18.24	18.29	19.33	20.5	0	
15	16QAM	1	0	18.13	18.35	19.25			
15	16QAM	1	37	18.17	18.36	19.32			
15	16QAM	1	74	18.18	18.15	19.17	20.5	0	
15	16QAM	36	0	18.25	18.29	19.13			
15	16QAM	36	20	18.47	18.38	19.39			
15	16QAM	36	39	18.42	18.41	19.34	20.5	0	
15	16QAM	75	0	18.24	18.30	19.23			
15	64QAM	1	0	18.38	18.31	19.21			
15	64QAM	1	37	19.40	19.23	19.38	20.5	0	
15	64QAM	1	74	19.33	18.80	19.31			
15	64QAM	36	0	19.30	19.30	19.46			
15	64QAM	36	20	19.21	19.30	19.29	20.5	0	
15	64QAM	36	39	19.12	19.41	19.09			
15	64QAM	75	0	19.41	19.22	19.48			
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	19.02	19.02	19.22	20.5	0	
10	QPSK	1	25	19.27	19.49	19.17			
10	QPSK	1	49	18.93	19.22	18.91			
10	QPSK	25	0	19.29	19.42	19.27	20.5	0	
10	QPSK	25	12	19.31	19.43	19.30			
10	QPSK	25	25	19.22	19.24	19.17			
10	QPSK	50	0	19.31	19.38	19.29	20.5	0	
10	16QAM	1	0	19.09	19.33	19.27			
10	16QAM	1	25	19.15	19.36	19.31			
10	16QAM	1	49	19.19	19.22	19.24	20.5	0	
10	16QAM	25	0	19.31	19.33	19.20			
10	16QAM	25	12	19.40	19.44	19.44			
10	16QAM	25	25	19.40	19.41	19.38	20.5	0	
10	16QAM	50	0	19.20	19.32	19.22			
10	64QAM	1	0	19.35	19.29	19.24			
10	64QAM	1	25	19.36	19.25	19.38	20.5	0	
10	64QAM	1	49	19.31	18.79	19.25			
10	64QAM	25	0	19.29	19.30	19.45			
10	64QAM	25	12	19.29	19.43	19.35	20.5	0	
10	64QAM	25	25	19.21	19.43	19.18			
10	64QAM	50	0	19.33	19.26	19.40			
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	19.11	18.99	19.12	20.5	0	
5	QPSK	1	12	19.29	19.45	19.23			
5	QPSK	1	24	18.95	19.20	19.00			
5	QPSK	12	0	19.22	19.43	19.30	20.5	0	
5	QPSK	12	7	19.29	19.43	19.29			
5	QPSK	12	13	19.25	19.28	19.10			
5	QPSK	25	0	19.34	19.31	19.34	20.5	0	
5	16QAM	1	0	19.17	19.36	19.23			
5	16QAM	1	12	19.22	19.37	19.26			
5	16QAM	1	24	19.14	19.20	19.19	20.5	0	
5	16QAM	12	0	19.26	19.38	19.16			
5	16QAM	12	7	19.44	19.35	19.38			
5	16QAM	12	13	19.43	19.39	19.36	20.5	0	
5	16QAM	25	0	19.23	19.30	19.15			
5	64QAM	1	0	19.31	19.35	19.26			
5	64QAM	1	12	19.41	19.29	19.37	20.5	0	
5	64QAM	1	24	19.32	18.77	19.21			
5	64QAM	12	0	19.32	19.27	19.48			
5	64QAM	12	7	19.13	19.33	19.21	20.5	0	
5	64QAM	12	13	19.24	19.40	19.21			
5	64QAM	25	0	19.29	19.39	19.36			
Channel				19955	20175	20385	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	19.08	19.00	19.14	20.5	0	
3	QPSK	1	8	19.27	19.51	19.21			
3	QPSK	1	14	18.60	19.22	18.97			
3	QPSK	8	0	19.26	19.46	19.33	20.5	0	
3	QPSK	8	4	19.31	19.47	19.28			
3	QPSK	8	7	19.26	19.32	19.10			
3	QPSK	15	0	19.29	19.33	19.27	20.5	0	
3	16QAM	1	0	19.16	19.38	19.26			
3	16QAM	1	8	19.18	19.43	19.34			
3	16QAM	1	14	19.17	19.21	19.24	20.5	0	
3	16QAM	8	0	19.34	19.32	19.17			
3	16QAM	8	4	19.45	19.43	19.41			
3	16QAM	8	7	19.38	19.46	19.36	20.5	0	
3	16QAM	15	0	19.20	19.37	19.17			
3	64QAM	1	0	19.32	19.36	19.24			
3	64QAM	1	8	19.31	19.19	19.40	20.5	0	
3	64QAM	1	14	19.38	18.76	19.22			
3	64QAM	8	0	19.23	19.31	19.39			
3	64QAM	8	4	19.14	19.39	19.22	20.5	0	
3	64QAM	8	7	19.16	19.36	19.13			
3	64QAM	15	0	19.36	19.21	19.43			
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	19.05	18.96	19.19	20.5	0	
1.4	QPSK	1	3	19.23	19.54	19.24			
1.4	QPSK	1	5	18.92	19.20	18.94			
1.4	QPSK	3	0	19.22	19.50	19.28	20.5	0	
1.4	QPSK	3	1	19.28	19.45	19.28			
1.4	QPSK	3	3	19.20	19.30	19.14			
1.4	QPSK	6	0	19.30	19.37	19.27	20.5	0	
1.4	16QAM	1	0	19.10	19.39	19.26			
1.4	16QAM	1	3	19.21	19.37	19.24			
1.4	16QAM	1	5	19.17	19.21	19.19	20.5	0	
1.4	16QAM	3	0	19.26	19.43	19.22			
1.4	16QAM	3	1	19.42	19.43	19.44			
1.4	16QAM	3	3	19.44	19.44	19.39	20.5	0	
1.4	16QAM	6	0	19.30	19.31	19.16			
1.4	64QAM	1	0	19.40	19.30	19.23			
1.4	64QAM	1	3	19.38	19.20	19.37	20.5	0	
1.4	64QAM	1	5	19.29	18.80	19.27			
1.4	64QAM	3	0	19.24	19.37	19.37			
1.4	64QAM	3	1	19.29	19.26	19.37	20.5	0	
1.4	64QAM	3	3	19.17	19.38	19.14			
1.4	64QAM	6	0	19.41	19.28	19.48			

Band 7_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	20.27	20.25	20.24	21.5	0	
20	QPSK	1	49	20.45	20.55	20.49			
20	QPSK	1	99	20.19	20.24	20.20			
20	QPSK	50	0	20.33	20.52	20.40	21.5	0	
20	QPSK	50	24	20.48	20.50	20.45			
20	QPSK	50	50	20.47	20.40	20.39			
20	QPSK	100	0	20.42	20.51	20.43	21.5	0	
20	16QAM	1	0	20.48	20.34	20.20			
20	16QAM	1	49	20.35	20.42	20.44			
20	16QAM	1	99	20.43	20.38	20.42	21.5	0	
20	16QAM	50	0	20.42	20.24	20.36			
20	16QAM	50	24	20.23	20.31	20.45			
20	16QAM	50	50	20.44	20.33	20.44	21.5	0	
20	16QAM	100	0	20.37	20.27	20.43			
20	64QAM	1	0	20.21	20.20	20.35			
20	64QAM	1	49	20.51	20.44	20.45	21.5	0	
20	64QAM	1	99	20.37	20.30	20.40			
20	64QAM	50	0	20.35	20.45	20.41			
20	64QAM	50	24	20.45	20.47	20.37	21.5	0	
20	64QAM	50	50	20.39	20.29	20.41			
20	64QAM	100	0	20.36	20.29	20.41			
Channel				20625	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	20.15	20.17	20.18	21.5	0	
15	QPSK	1	37	20.33	20.46	20.34			
15	QPSK	1	74	20.11	20.12	20.10			
15	QPSK	36	0	20.26	20.47	20.33	21.5	0	
15	QPSK	36	20	20.42	20.37	20.36			
15	QPSK	36	39	20.32	20.27	20.33			
15	QPSK	75	0	20.37	20.42	20.32	21.5	0	
15	16QAM	1	0	20.35	20.28	20.10			
15	16QAM	1	37	20.27	20.29	20.30			
15	16QAM	1	74	20.33	20.24	20.36	21.5	0	
15	16QAM	36	0	20.31	20.18	20.23			
15	16QAM	36	20	20.42	20.37	20.40			
15	16QAM	36	39	20.35	20.24	20.30	21.5	0	
15	16QAM	75	0	20.24	20.15	20.35			
15	64QAM	1	0	20.13	20.05	20.23			
15	64QAM	1	37	20.46	20.29	20.36	21.5	0	
15	64QAM	1	74	20.24	20.21	20.33			
15	64QAM	36	0	20.25	20.36	20.27			
15	64QAM	36	20	20.33	20.26	20.38	21.5	0	
15	64QAM	36	39	20.33	20.24	20.31			
15	64QAM	75	0	20.30	20.22	20.35			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	20.16	20.20	20.09	21.5	0	
10	QPSK	1	25	20.36	20.43	20.42			
10	QPSK	1	49	20.08	20.18	20.09			
10	QPSK	25	0	20.18	20.43	20.29	21.5	0	
10	QPSK	25	12	20.35	20.44	20.35			
10	QPSK	25	25	20.37	20.32	20.29			
10	QPSK	50	0	20.37	20.43	20.30	21.5	0	
10	16QAM	1	0	20.41	20.26	20.05			
10	16QAM	1	25	20.21	20.32	20.31			
10	16QAM	1	49	20.33	20.28	20.32	21.5	0	
10	16QAM	25	0	20.28	20.15	20.30			
10	16QAM	25	12	20.10	20.19	20.40			
10	16QAM	25	25	20.36	20.22	20.32	21.5	0	
10	16QAM	50	0	20.29	20.19	20.34			
10	64QAM	1	0	20.06	20.15	20.24			
10	64QAM	1	25	20.45	20.39	20.36	21.5	0	
10	64QAM	1	49	20.29	20.20	20.30			
10	64QAM	25	0	20.20	20.34	20.33			
10	64QAM	25	12	20.40	20.35	20.31	21.5	0	
10	64QAM	25	25	20.29	20.20	20.32			
10	64QAM	50	0	20.27	20.24	20.35			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	20.19	20.10	20.12	21.5	0	
5	QPSK	1	12	20.35	20.43	20.41			
5	QPSK	1	24	20.14	20.09	20.13			
5	QPSK	12	0	20.25	20.46	20.29	21.5	0	
5	QPSK	12	7	20.36	20.43	20.35			
5	QPSK	12	13	20.36	20.31	20.27			
5	QPSK	25	0	20.37	20.37	20.30	21.5	0	
5	16QAM	1	0	20.42	20.25	20.06			
5	16QAM	1	12	20.24	20.30	20.37			
5	16QAM	1	24	20.35	20.25	20.37	21.5	0	
5	16QAM	12	0	20.34	20.18	20.29			
5	16QAM	12	7	20.17	20.17	20.30			
5	16QAM	12	13	20.34	20.24	20.34	21.5	0	
5	16QAM	25	0	20.28	20.14	20.30			
5	64QAM	1	0	20.06	20.09	20.26			
5	64QAM	1	12	20.41	20.39	20.32	21.5	0	
5	64QAM	1	24	20.23	20.18	20.25			
5	64QAM	12	0	20.30	20.39	20.32			
5	64QAM	12	7	20.39	20.32	20.26	21.5	0	
5	64QAM	12	13	20.24	20.19	20.36			
5	64QAM	25	0	20.24	20.16	20.33			

Band 7_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20510	21000	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.85	15.71	15.61	17.5	0	
20	QPSK	1	49	16.07	16.29	16.09			
20	QPSK	1	99	15.85	15.79	16.23			
20	QPSK	50	0	15.98	16.23	16.04	17.5	0	
20	QPSK	50	24	16.14	16.04	16.19			
20	QPSK	50	50	16.00	16.19	16.03			
20	QPSK	100	0	16.10	16.22	16.21	17.5	0	
20	16QAM	1	0	15.87	16.00	15.82			
20	16QAM	1	49	15.82	16.14	15.83			
20	16QAM	1	99	15.95	15.81	16.05	17.5	0	
20	16QAM	50	0	15.92	15.78	15.85			
20	16QAM	50	24	16.00	16.07	15.85			
20	16QAM	50	50	15.74	15.84	15.85	17.5	0	
20	16QAM	100	0	16.04	15.94	15.90			
20	64QAM	1	0	15.92	15.81	15.73			
20	64QAM	1	49	16.02	16.01	16.04	17.5	0	
20	64QAM	1	99	15.95	15.82	15.87			
20	64QAM	50	0	16.18	15.98	15.93			
20	64QAM	50	24	15.97	16.04	16.04	17.5	0	
20	64QAM	50	50	16.04	15.71	15.89			
20	64QAM	100	0	16.09	16.07	15.89			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.89	15.75	15.55	17.5	0	
15	QPSK	1	37	16.08	16.17	16.12			
15	QPSK	1	74	15.82	15.81	16.10			
15	QPSK	36	0	16.04	16.15	16.13	17.5	0	
15	QPSK	36	20	16.06	16.13	16.10			
15	QPSK	36	39	16.00	16.08	16.07	17.5	0	
15	QPSK	75	0	16.04	16.10	16.14			
15	16QAM	1	0	15.79	15.87	15.74			
15	16QAM	1	37	15.86	16.12	15.93	17.5	0	
15	16QAM	1	74	15.93	15.88	16.03			
15	16QAM	36	0	15.98	15.87	15.87			
15	16QAM	36	20	16.14	16.09	15.90	17.5	0	
15	16QAM	36	39	15.86	15.94	15.99			
15	16QAM	75	0	15.92	15.84	15.82	17.5	0	
15	64QAM	1	0	15.98	15.78	15.81			
15	64QAM	1	37	15.99	15.98	16.05			
15	64QAM	1	74	16.00	15.76	15.86	17.5	0	
15	64QAM	36	0	16.06	16.00	15.82			
15	64QAM	36	20	16.03	15.99	16.08			
15	64QAM	36	39	16.03	15.77	15.99	17.5	0	
15	64QAM	75	0	16.09	16.00	16.08			
Channel				20905	21100	21405	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.82	15.77	15.58	17.5	0	
10	QPSK	1	25	16.08	16.24	16.19			
10	QPSK	1	49	15.80	15.81	16.15			
10	QPSK	25	0	16.11	16.17	16.09	17.5	0	
10	QPSK	25	12	16.06	16.09	16.17			
10	QPSK	25	25	16.03	16.10	16.02	17.5	0	
10	QPSK	50	0	16.03	16.17	16.08			
10	16QAM	1	0	15.74	15.86	15.73			
10	16QAM	1	25	15.93	16.07	15.91	17.5	0	
10	16QAM	1	49	15.96	15.81	16.08			
10	16QAM	25	0	15.93	15.86	15.85			
10	16QAM	25	12	16.12	16.11	15.96	17.5	0	
10	16QAM	25	25	15.79	15.89	15.93			
10	16QAM	50	0	16.03	15.90	15.87	17.5	0	
10	64QAM	1	0	15.98	15.78	15.76			
10	64QAM	1	25	16.04	15.97	16.01			
10	64QAM	1	49	15.91	15.74	15.83	17.5	0	
10	64QAM	25	0	16.09	16.04	15.88			
10	64QAM	25	12	16.01	15.99	16.04			
10	64QAM	25	25	15.96	15.76	15.83	17.5	0	
10	64QAM	50	0	16.03	16.01	15.88			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.87	15.75	15.55	17.5	0	
5	QPSK	1	12	16.07	16.22	16.19			
5	QPSK	1	24	15.78	15.90	16.14			
5	QPSK	12	0	16.07	16.15	16.15	17.5	0	
5	QPSK	12	7	16.06	16.13	16.19			
5	QPSK	12	13	16.08	16.13	16.01	17.5	0	
5	QPSK	25	0	16.02	16.09	16.12			
5	16QAM	1	0	15.79	15.86	15.75			
5	16QAM	1	12	15.90	16.07	15.91	17.5	0	
5	16QAM	1	24	15.93	15.82	16.01			
5	16QAM	12	0	15.98	15.84	15.92			
5	16QAM	12	7	16.12	16.03	15.98	17.5	0	
5	16QAM	12	13	15.86	15.89	15.80			
5	16QAM	25	0	15.96	15.86	15.80	17.5	0	
5	64QAM	1	0	15.96	15.80	15.80			
5	64QAM	1	12	16.02	15.99	16.01			
5	64QAM	1	24	15.94	15.76	15.90	17.5	0	
5	64QAM	12	0	16.04	16.05	15.87			
5	64QAM	12	7	16.06	16.03	16.04	17.5	0	
5	64QAM	12	13	16.12	15.83	15.92			
5	64QAM	25	0	16.03	15.98	15.84			



Band 13_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2320					
Frequency (MHz)				782					
10	QPSK	1	0		23.42		25	0	
10	QPSK	1	25		23.63				
10	QPSK	1	49		23.37				
10	QPSK	25	0		22.52		24	1	
10	QPSK	25	12		22.51				
10	QPSK	25	25		22.49				
10	QPSK	50	0		22.51		24	1	
10	16QAM	1	0		22.68				
10	16QAM	1	25		22.78				
10	16QAM	1	49		22.81		23	2	
10	16QAM	25	0		21.49				
10	16QAM	25	12		21.48				
10	16QAM	25	25		21.48		23	2	
10	16QAM	50	0		21.47				
10	64QAM	1	0		21.54		23	2	
10	64QAM	1	25		21.68				
10	64QAM	1	49		21.54				
10	64QAM	25	0		20.51		22	3	
10	64QAM	25	12		20.53				
10	64QAM	25	25		20.52				
10	64QAM	50	0		20.51		22	3	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	23.34	23.31	23.31	25	0	
5	QPSK	1	12	23.62	23.61	23.61			
5	QPSK	1	24	23.33	23.30	23.25			
5	QPSK	12	0	22.48	22.50	22.47	24	1	
5	QPSK	12	7	22.56	22.55	22.50			
5	QPSK	12	13	22.45	22.47	22.45			
5	QPSK	25	0	22.49	22.49	22.45	24	1	
5	16QAM	1	0	22.58	22.60	22.55			
5	16QAM	1	12	22.92	22.85	22.89			
5	16QAM	1	24	22.62	22.58	22.54	23	2	
5	16QAM	12	0	21.39	21.47	21.45			
5	16QAM	12	7	21.51	21.45	21.45			
5	16QAM	12	13	21.43	21.42	21.39	23	2	
5	16QAM	25	0	21.45	21.46	21.43			
5	64QAM	1	0	21.49	21.44	21.46			
5	64QAM	1	12	21.73	21.74	21.74	23	2	
5	64QAM	1	24	21.46	21.47	21.37			
5	64QAM	12	0	20.45	20.52	20.49			
5	64QAM	12	7	20.59	20.54	20.50	22	3	
5	64QAM	12	13	20.49	20.46	20.44			
5	64QAM	25	0	20.45	20.47	20.43			

Band 18_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				822.5					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.56		25	0	
15	QPSK	1	37		23.64				
15	QPSK	1	74		23.46				
15	QPSK	36	0		22.65		24	1	
15	QPSK	36	20		22.62				
15	QPSK	36	39		22.67				
15	QPSK	75	0		22.67		24	1	
15	16QAM	1	0		22.68				
15	16QAM	1	37		22.63				
15	16QAM	1	74		22.85		23	2	
15	16QAM	36	0		21.57				
15	16QAM	36	20		21.62				
15	16QAM	36	39		21.58		23	2	
15	16QAM	75	0		21.55				
15	64QAM	1	0		21.73				
15	64QAM	1	37		21.88		23	2	
15	64QAM	1	74		21.41				
15	64QAM	36	0		20.65				
15	64QAM	36	20		20.63		22	3	
15	64QAM	36	39		20.55				
15	64QAM	75	0		20.56				
Channel				23900	23925	23950	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.53	23.55	23.53	25	0	
10	QPSK	1	25	23.52	23.55	23.54			
10	QPSK	1	49	23.53	23.47	23.50			
10	QPSK	25	0	22.56	22.61	22.52	24	1	
10	QPSK	25	12	22.62	22.63	22.56			
10	QPSK	25	25	22.62	22.55	22.55			
10	QPSK	50	0	22.62	22.58	22.58	24	1	
10	16QAM	1	0	22.92	22.95	22.99			
10	16QAM	1	25	22.69	23.00	22.64			
10	16QAM	1	49	22.70	23.00	22.84	23	2	
10	16QAM	25	0	21.65	21.55	21.55			
10	16QAM	25	12	21.60	21.52	21.60			
10	16QAM	25	25	21.64	21.61	21.61	23	2	
10	16QAM	50	0	21.63	21.57	21.64			
10	64QAM	1	0	21.78	21.85	21.83			
10	64QAM	1	25	21.86	21.95	21.75	23	2	
10	64QAM	1	49	21.58	21.84	21.46			
10	64QAM	25	0	20.61	20.56	20.58			
10	64QAM	25	12	20.60	20.46	20.56	22	3	
10	64QAM	25	25	20.64	20.59	20.50			
10	64QAM	50	0	20.56	20.59	20.62			
Channel				23875	23925	23975	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.37	23.45	23.42	25	0	
5	QPSK	1	12	23.54	23.52	23.44			
5	QPSK	1	24	23.47	23.34	23.39			
5	QPSK	12	0	22.57	22.46	22.55	24	1	
5	QPSK	12	7	22.60	22.54	22.61			
5	QPSK	12	13	22.58	22.59	22.54			
5	QPSK	25	0	22.58	22.54	22.53	24	1	
5	16QAM	1	0	22.80	22.55	22.35			
5	16QAM	1	12	22.98	22.81	22.61			
5	16QAM	1	24	22.83	22.56	22.51	23	2	
5	16QAM	12	0	21.59	21.52	21.54			
5	16QAM	12	7	21.68	21.58	21.56			
5	16QAM	12	13	21.61	21.61	21.51	23	2	
5	16QAM	25	0	21.68	21.53	21.50			
5	64QAM	1	0	21.26	21.62	21.61			
5	64QAM	1	12	22.08	21.80	21.88	23	2	
5	64QAM	1	24	21.81	21.60	21.72			
5	64QAM	12	0	20.49	20.43	20.52			
5	64QAM	12	7	20.65	20.57	20.52	22	3	
5	64QAM	12	13	20.65	20.60	20.48			
5	64QAM	25	0	20.52	20.46	20.40			

Band 18_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23925					
Frequency (MHz)				822.5					
15	QPSK	1	0		23.36		25	0	
15	QPSK	1	37		23.67				
15	QPSK	1	74		23.28				
15	QPSK	36	0		22.49		24	1	
15	QPSK	36	20		22.43				
15	QPSK	36	39		22.43				
15	QPSK	75	0		22.45		24	1	
15	16QAM	1	0		22.60				
15	16QAM	1	37		22.87				
15	16QAM	1	74		22.50		23	2	
15	16QAM	36	0		21.45				
15	16QAM	36	20		21.47				
15	16QAM	36	39		21.40		22	3	
15	16QAM	75	0		21.45				
15	64QAM	1	0		21.58				
15	64QAM	1	37		21.81		23	2	
15	64QAM	1	74		21.47				
15	64QAM	36	0		20.44				
15	64QAM	36	20		20.43		22	3	
15	64QAM	36	39		20.44				
15	64QAM	75	0		20.43				
Channel				23900	23925	23950	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				820	822.5	825			
10	QPSK	1	0	23.42	23.44	23.39	25	0	
10	QPSK	1	25	23.53	23.47	23.46			
10	QPSK	1	49	23.42	23.39	23.32			
10	QPSK	25	0	22.49	22.44	22.44	24	1	
10	QPSK	25	12	22.50	22.46	22.46			
10	QPSK	25	25	22.49	22.42	22.39			
10	QPSK	50	0	22.51	22.46	22.43	24	1	
10	16QAM	1	0	22.70	22.67	22.64			
10	16QAM	1	25	22.74	22.75	22.71			
10	16QAM	1	49	22.64	22.59	22.56	23	2	
10	16QAM	25	0	21.48	21.45	21.44			
10	16QAM	25	12	21.52	21.48	21.47			
10	16QAM	25	25	21.51	21.43	21.41	23	2	
10	16QAM	50	0	21.50	21.49	21.41			
10	64QAM	1	0	21.59	21.62	21.54			
10	64QAM	1	25	21.67	21.72	21.58	23	2	
10	64QAM	1	49	21.59	21.55	21.49			
10	64QAM	25	0	20.48	20.43	20.41			
10	64QAM	25	12	20.49	20.44	20.42	22	3	
10	64QAM	25	25	20.48	20.42	20.36			
10	64QAM	50	0	20.48	20.46	20.39			
Channel				23875	23925	23975	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				817.5	822.5	827.5			
5	QPSK	1	0	23.31	23.32	23.27	25	0	
5	QPSK	1	12	23.61	23.57	23.46			
5	QPSK	1	24	23.32	23.26	23.22			
5	QPSK	12	0	22.45	22.41	22.42	24	1	
5	QPSK	12	6	22.53	22.45	22.41			
5	QPSK	12	13	22.49	22.42	22.35			
5	QPSK	25	0	22.47	22.39	22.38	24	1	
5	16QAM	1	0	22.58	22.58	22.51			
5	16QAM	1	12	22.82	22.84	22.70			
5	16QAM	1	24	22.57	22.55	22.49	23	2	
5	16QAM	12	0	21.46	21.43	21.40			
5	16QAM	12	6	21.52	21.44	21.42			
5	16QAM	12	13	21.47	21.41	21.36	22	3	
5	16QAM	25	0	21.49	21.38	21.39			
5	64QAM	1	0	21.51	21.50	21.41			
5	64QAM	1	12	21.76	21.63	21.63	23	2	
5	64QAM	1	24	21.64	21.43	21.39			
5	64QAM	12	0	20.46	20.37	20.41			
5	64QAM	12	6	20.52	20.45	20.42	22	3	
5	64QAM	12	13	20.51	20.41	20.35			
5	64QAM	25	0	20.46	20.34	20.34			

Band 19_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				837.5						
15	QPSK	1	0		23.57		25	0		
15	QPSK	1	37		23.65					
15	QPSK	1	74		23.30					
15	QPSK	36	0		22.57		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.56					
15	QPSK	75	0		22.44		24	1		
15	16QAM	1	0		22.68					
15	16QAM	1	37		22.49					
15	16QAM	1	74		22.68		23	2		
15	16QAM	36	0		21.63					
15	16QAM	36	20		21.48					
15	16QAM	36	39		21.49		23	2		
15	16QAM	75	0		21.52					
15	64QAM	1	0		21.50		23	2		
15	64QAM	1	37		21.87					
15	64QAM	1	74		21.54					
15	64QAM	36	0		20.50		22	3		
15	64QAM	36	20		20.53					
15	64QAM	36	39		20.53					
15	64QAM	75	0		20.55					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.44	23.52	23.44	25	0		
10	QPSK	1	25	23.56	23.55	23.51				
10	QPSK	1	49	23.39	23.44	23.41				
10	QPSK	25	0	22.72	22.62	22.55	24	1		
10	QPSK	25	12	22.60	22.53	22.59				
10	QPSK	25	25	22.58	22.49	22.43				
10	QPSK	50	0	22.60	22.62	22.58	24	1		
10	16QAM	1	0	22.87	22.95	22.74				
10	16QAM	1	25	22.88	23.08	23.01				
10	16QAM	1	49	22.66	22.84	22.46	23	2		
10	16QAM	25	0	21.58	21.66	21.58				
10	16QAM	25	12	21.63	21.51	21.51				
10	16QAM	25	25	21.60	21.46	21.41	22	3		
10	16QAM	50	0	21.55	21.55	21.59				
10	64QAM	1	0	21.55	21.70	21.85				
10	64QAM	1	25	21.91	21.68	21.85				
10	64QAM	1	49	21.47	21.59	21.46	23	2		
10	64QAM	25	0	20.55	20.55	20.62				
10	64QAM	25	12	20.51	20.56	20.54				
10	64QAM	25	25	20.56	20.46	20.58	22	3		
10	64QAM	50	0	20.60	20.57	20.54				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.37	23.43	23.30	25	0		
5	QPSK	1	12	23.54	23.55	23.33				
5	QPSK	1	24	23.36	23.31	23.14				
5	QPSK	12	0	22.55	22.46	22.51	24	1		
5	QPSK	12	7	22.54	22.58	22.52				
5	QPSK	12	13	22.47	22.49	22.42				
5	QPSK	25	0	22.58	22.51	22.45	24	1		
5	16QAM	1	0	22.59	22.86	22.81				
5	16QAM	1	12	23.17	23.11	23.06				
5	16QAM	1	24	22.77	22.30	22.84	23	2		
5	16QAM	12	0	21.42	21.46	21.38				
5	16QAM	12	7	21.57	21.56	21.54				
5	16QAM	12	13	21.50	21.52	21.41	23	2		
5	16QAM	25	0	21.53	21.48	21.52				
5	64QAM	1	0	21.37	21.45	21.59				
5	64QAM	1	12	21.82	21.86	21.81	23	2		
5	64QAM	1	24	21.61	21.41	21.36				
5	64QAM	12	0	20.42	20.51	20.56				
5	64QAM	12	7	20.71	20.68	20.56	22	3		
5	64QAM	12	13	20.54	20.48	20.39				
5	64QAM	25	0	20.52	20.59	20.47				

Band 19_Ant 1										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				24075			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				837.5						
15	QPSK	1	0		23.41		25	0		
15	QPSK	1	37		23.58					
15	QPSK	1	74		23.27					
15	QPSK	36	0		22.65		24	1		
15	QPSK	36	20		22.56					
15	QPSK	36	39		22.49					
15	QPSK	75	0		22.52		24	1		
15	16QAM	1	0		22.62					
15	16QAM	1	37		22.90					
15	16QAM	1	74		22.49		23	2		
15	16QAM	36	0		21.55					
15	16QAM	36	20		21.53					
15	16QAM	36	39		21.51		23	2		
15	16QAM	75	0		21.55					
15	64QAM	1	0		21.60		23	2		
15	64QAM	1	37		21.86					
15	64QAM	1	74		21.42					
15	64QAM	36	0		20.53		22	3		
15	64QAM	36	20		20.56					
15	64QAM	36	39		20.48					
15	64QAM	75	0		20.50					
Channel				24050	24075	24100	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				835	837.5	840				
10	QPSK	1	0	23.45	23.42	23.46	25	0		
10	QPSK	1	25	23.49	23.56	23.54				
10	QPSK	1	49	23.39	23.40	23.31				
10	QPSK	25	0	22.60	22.55	22.53	24	1		
10	QPSK	25	12	22.55	22.54	22.52				
10	QPSK	25	25	22.56	22.53	22.47				
10	QPSK	50	0	22.59	22.57	22.51	24	1		
10	16QAM	1	0	22.65	22.69	22.73				
10	16QAM	1	25	22.84	22.83	22.80				
10	16QAM	1	49	22.71	22.64	22.57	23	2		
10	16QAM	25	0	21.62	21.58	21.55				
10	16QAM	25	12	21.56	21.56	21.52				
10	16QAM	25	25	21.56	21.56	21.47	23	2		
10	16QAM	50	0	21.58	21.56	21.53				
10	64QAM	1	0	21.61	21.65	21.65				
10	64QAM	1	25	21.78	21.72	21.75	23	2		
10	64QAM	1	49	21.62	21.56	21.49				
10	64QAM	25	0	20.56	20.48	20.51				
10	64QAM	25	12	20.53	20.52	20.50	22	3		
10	64QAM	25	25	20.56	20.52	20.43				
10	64QAM	50	0	20.53	20.53	20.47				
Channel				24025	24075	24125	Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				832.5	837.5	842.5				
5	QPSK	1	0	23.33	23.36	23.28	25	0		
5	QPSK	1	12	23.34	23.34	23.49				
5	QPSK	1	24	23.33	23.29	23.19				
5	QPSK	12	0	22.56	22.56	22.52	24	1		
5	QPSK	12	7	22.56	22.52	22.47				
5	QPSK	12	13	22.47	22.52	22.48				
5	QPSK	25	0	22.52	22.49	22.32	24	1		
5	16QAM	1	0	22.55	22.59	22.57				
5	16QAM	1	12	22.83	22.91	22.81				
5	16QAM	1	24	22.54	22.55	22.48	24	1		
5	16QAM	12	0	21.50	21.49	21.49				
5	16QAM	12	7	21.56	21.55	21.50				
5	16QAM	12	13	21.52	21.47	21.38	23	2		
5	16QAM	25	0	21.50	21.51	21.43				
5	64QAM	1	0	21.51	21.51	21.50				
5	64QAM	1	12	21.83	21.85	21.86	23	2		
5	64QAM	1	24	21.83	21.50	21.41				
5	64QAM	12	0	20.49	20.48	20.46				
5	64QAM	12	7	20.54	20.54	20.49	22	3		
5	64QAM	12	13	20.50	20.49	20.38				
5	64QAM	25	0	20.47	20.46	20.37				

Band 26_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26765	26865	26965				
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	0	23.53	23.52	23.56	25	0		
15	QPSK	1	37	23.60	23.83	23.53				
15	QPSK	1	74	23.35	23.27	23.16				
15	QPSK	36	0	22.51	22.54	22.41	24	1		
15	QPSK	36	20	22.53	22.48	22.37				
15	QPSK	36	39	22.50	22.45	22.25				
15	QPSK	75	0	22.48	22.50	22.35	24	1		
15	16QAM	1	0	22.66	22.57	22.54				
15	16QAM	1	37	22.83	22.81	22.71				
15	16QAM	1	74	22.59	22.51	22.41	23	2		
15	16QAM	36	0	21.51	21.52	21.40				
15	16QAM	36	20	21.54	21.43	21.35				
15	16QAM	36	39	21.51	21.40	21.21	23	2		
15	16QAM	75	0	21.52	21.48	21.33				
15	64QAM	1	0	21.62	21.49	21.43				
15	64QAM	1	37	21.82	21.73	21.64	22	3		
15	64QAM	1	74	21.48	21.45	21.33				
15	64QAM	36	0	20.49	20.48	20.43				
15	64QAM	36	20	20.54	20.44	20.35	22	3		
15	64QAM	36	39	20.49	20.42	20.21				
15	64QAM	75	0	20.46	20.44	20.33				
Channel				26765	26865	26965	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	846.5				
10	QPSK	1	0	23.51	23.37	23.30	25	0		
10	QPSK	1	25	23.57	23.45	23.29				
10	QPSK	1	49	23.41	23.32	23.20				
10	QPSK	25	0	22.57	22.54	22.39	24	1		
10	QPSK	25	12	22.56	22.45	22.34				
10	QPSK	25	25	22.58	22.42	22.19				
10	QPSK	50	0	22.58	22.50	22.31	24	1		
10	16QAM	1	0	22.69	22.57	22.59				
10	16QAM	1	25	22.78	22.68	22.56				
10	16QAM	1	49	22.66	22.61	22.47	23	2		
10	16QAM	25	0	21.55	21.51	21.37				
10	16QAM	25	12	21.58	21.43	21.35				
10	16QAM	25	25	21.58	21.41	21.15	23	2		
10	16QAM	50	0	21.58	21.46	21.28				
10	64QAM	1	0	21.63	21.55	21.48				
10	64QAM	1	25	21.77	21.61	21.52	22	3		
10	64QAM	1	49	21.66	21.47	21.39				
10	64QAM	25	0	20.53	20.52	20.38				
10	64QAM	25	12	20.53	20.43	20.32	22	3		
10	64QAM	25	25	20.53	20.41	20.19				
10	64QAM	50	0	20.54	20.48	20.31				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	23.40	23.28	23.10	25	0		
5	QPSK	1	12	22.61	23.50	23.43				
5	QPSK	1	24	23.39	23.25	23.13				
5	QPSK	12	0	22.52	22.43	22.32	24	1		
5	QPSK	12	7	22.55	22.44	22.31				
5	QPSK	12	13	22.54	22.37	22.18				
5	QPSK	25	0	22.52	22.38	22.27	24	1		
5	16QAM	1	0	22.62	22.52	22.38				
5	16QAM	1	12	22.61	22.78	22.60				
5	16QAM	1	24	22.61	22.47	22.37	23	2		
5	16QAM	12	0	21.53	21.39	21.29				
5	16QAM	12	7	21.57	21.40	21.28				
5	16QAM	12	13	21.53	21.34	21.18	23	2		
5	16QAM	25	0	21.54	21.37	21.26				
5	64QAM	1	0	21.57	21.43	21.29				
5	64QAM	1	12	21.87	21.66	21.52	22	3		
5	64QAM	1	24	21.59	21.45	21.30				
5	64QAM	12	0	20.52	20.43	20.33				
5	64QAM	12	7	20.54	20.38	20.24	22	3		
5	64QAM	12	13	20.52	20.38	20.17				
5	64QAM	25	0	20.48	20.38	20.27				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	23.53	23.42	23.21	25	0		
3	QPSK	1	8	23.48	23.36	23.22				
3	QPSK	1	14	23.49	23.38	23.25				
3	QPSK	8	0	22.54	22.40	22.28	24	1		
3	QPSK	8	4	22.58	22.45	22.32				
3	QPSK	8	7	22.52	22.38	22.27				
3	QPSK	15	0	22.58	22.43	22.28	24	1		
3	16QAM	1	0	22.72	22.63	22.45				
3	16QAM	1	8	22.72	22.59	22.47				
3	16QAM	1	14	22.75	22.61	22.47	23	2		
3	16QAM	8	0	21.63	21.47	21.33				
3	16QAM	8	4	21.63	21.49	21.35				
3	16QAM	8	7	21.60	21.44	21.30	23	2		
3	16QAM	15	0	21.58	21.40	21.29				
3	64QAM	1	0	21.69	21.52	21.36				
3	64QAM	1	8	21.65	21.53	21.41	23	2		
3	64QAM	1	14	21.72	21.52	21.40				
3	64QAM	8	0	20.55	20.44	20.31				
3	64QAM	8	4	20.58	20.44	20.29	22	3		
3	64QAM	8	7	20.55	20.41	20.29				
3	64QAM	15	0	20.50	20.39	20.24				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	23.44	23.30	23.15	25	0		
1.4	QPSK	1	3	23.55	23.40	23.28				
1.4	QPSK	1	5	23.44	23.28	23.17				
1.4	QPSK	3	0	23.54	23.42	23.27	24	1		
1.4	QPSK	3	1	23.58	23.47	23.35				
1.4	QPSK	3	3	23.56	23.41	23.29				
1.4	QPSK	6	0	22.57	22.42	22.30	24	1		
1.4	16QAM	1	0	22.61	22.55	22.39				
1.4	16QAM	1	3	22.78	22.67	22.47				
1.4	16QAM	1	5	22.64	22.57	22.35	24	1		
1.4	16QAM	3	0	22.50	22.37	22.24				
1.4	16QAM	3	1	22.54	22.41	22.29				
1.4	16QAM	3	3	22.52	22.38	22.22	23	2		
1.4	16QAM	6	0	21.65	21.46	21.37				
1.4	64QAM	1	0	21.62	21.48	21.32				
1.4	64QAM	1	3	21.79	21.54	21.41	23	2		
1.4	64QAM	1	5	21.62	21.48	21.35				
1.4	64QAM	3	0	21.66	21.50	21.36				
1.4	64QAM	3	1	21.71	21.54	21.42	22	3		
1.4	64QAM	3	3	21.64	21.47	21.39				
1.4	64QAM	6	0	20.52	20.38	20.26				

Band 38_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	25.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.26	20.35	20.36	21.5	0	
20	QPSK	1	49	20.65	20.68	20.74			
20	QPSK	1	99	20.36	20.54	20.48			
20	QPSK	50	0	20.57	20.75	20.65			
20	QPSK	50	24	20.50	20.68	20.63	21.5	0	
20	QPSK	50	50	20.52	20.50	20.51			
20	QPSK	100	0	20.51	20.65	20.62			
20	16QAM	1	0	20.29	20.39	20.48			
20	16QAM	1	49	20.72	20.85	20.84	21.5	0	
20	16QAM	1	99	20.44	20.58	20.59			
20	16QAM	50	0	20.56	20.52	20.80			
20	16QAM	50	24	20.42	20.72	20.76			
20	16QAM	50	50	20.53	20.56	20.78	21.5	0	
20	16QAM	100	0	20.59	20.77	20.80			
20	64QAM	1	0	20.01	20.03	20.18			
20	64QAM	1	49	20.49	20.68	20.76			
20	64QAM	1	99	20.24	20.27	20.43	21.5	0	
20	64QAM	50	0	20.45	20.56	20.76			
20	64QAM	50	24	20.40	20.54	20.60			
20	64QAM	50	50	20.41	20.63	20.77			
20	64QAM	100	0	20.47	20.66	20.65	21.5	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	21.5	0	
15	QPSK	1	0	20.12	20.25	20.27			
15	QPSK	1	37	20.57	20.82	20.67	21.5	0	
15	QPSK	1	74	20.23	20.49	20.43			
15	QPSK	36	0	20.43	20.68	20.56			
15	QPSK	36	20	20.36	20.81	20.43			
15	QPSK	36	39	20.47	20.35	20.57	21.5	0	
15	QPSK	75	0	20.43	20.55	20.49			
15	16QAM	1	0	20.19	20.29	20.35			
15	16QAM	1	37	20.61	20.75	20.78			
15	16QAM	1	74	20.35	20.49	20.44	21.5	0	
15	16QAM	36	0	20.45	20.43	20.69			
15	16QAM	36	20	20.30	20.60	20.62			
15	16QAM	36	39	20.40	20.48	20.67			
15	16QAM	75	0	20.50	20.70	20.75	21.5	0	
15	64QAM	1	0	19.86	19.94	20.09			
15	64QAM	1	37	20.34	20.58	20.67			
15	64QAM	1	74	20.14	20.19	20.28			
15	64QAM	36	0	20.34	20.43	20.67	21.5	0	
15	64QAM	36	20	20.34	20.47	20.49			
15	64QAM	36	39	20.27	20.56	20.70			
15	64QAM	75	0	20.37	20.51	20.58			
Channel				37800	38000	38200	21.5	0	
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	20.15	20.21	20.21	21.5	0	
10	QPSK	1	25	20.54	20.74	20.65			
10	QPSK	1	49	20.21	20.49	20.33			
10	QPSK	25	0	20.48	20.63	20.57			
10	QPSK	25	12	20.38	20.59	20.46	21.5	0	
10	QPSK	25	25	20.37	20.44	20.58			
10	QPSK	50	0	20.37	20.58	20.55			
10	16QAM	1	0	20.21	20.33	20.36			
10	16QAM	1	25	20.65	20.70	20.78	21.5	0	
10	16QAM	1	49	20.31	20.50	20.54			
10	16QAM	25	0	20.47	20.46	20.70			
10	16QAM	25	12	20.33	20.62	20.71			
10	16QAM	25	25	20.42	20.51	20.73	21.5	0	
10	16QAM	50	0	20.47	20.69	20.74			
10	64QAM	1	0	19.93	19.94	20.06			
10	64QAM	1	25	20.34	20.63	20.70			
10	64QAM	1	49	20.15	20.19	20.36	21.5	0	
10	64QAM	25	0	20.36	20.43	20.68			
10	64QAM	25	12	20.25	20.39	20.55			
10	64QAM	25	25	20.31	20.58	20.72			
10	64QAM	50	0	20.39	20.54	20.52	21.5	0	
Channel				3777.5	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	21.5	0	
5	QPSK	1	0	20.13	20.20	20.30			
5	QPSK	1	12	20.56	20.76	20.67	21.5	0	
5	QPSK	1	24	20.23	20.46	20.41			
5	QPSK	12	0	20.45	20.60	20.51			
5	QPSK	12	7	20.36	20.61	20.41			
5	QPSK	12	13	20.46	20.37	20.56	21.5	0	
5	QPSK	25	0	20.40	20.58	20.47			
5	16QAM	1	0	20.18	20.25	20.43			
5	16QAM	1	12	20.59	20.76	20.74			
5	16QAM	1	24	20.29	20.47	20.54	21.5	0	
5	16QAM	12	0	20.49	20.45	20.72			
5	16QAM	12	7	20.33	20.63	20.68			
5	16QAM	12	13	20.46	20.46	20.72			
5	16QAM	25	0	20.44	20.62	20.70	21.5	0	
5	64QAM	1	0	19.67	19.91	20.09			
5	64QAM	1	12	20.43	20.63	20.67			
5	64QAM	1	24	20.16	20.15	20.33			
5	64QAM	12	0	20.36	20.43	20.68	21.5	0	
5	64QAM	12	7	20.25	20.44	20.51			
5	64QAM	12	13	20.33	20.52	20.65			
5	64QAM	25	0	20.39	20.60	20.56			

Band 38_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power High Ch. / Freq	Power Middle Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				37850	38000	38150	19.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.08	18.19	18.05	19.5	0	
20	QPSK	1	49	18.50	18.65	18.55			
20	QPSK	1	99	18.27	18.13	18.29			
20	QPSK	50	0	18.17	18.50	18.40			
20	QPSK	50	24	18.29	18.25	18.35	19.5	0	
20	QPSK	50	50	18.19	18.32	18.44			
20	QPSK	100	0	18.23	18.29	18.25			
20	16QAM	1	0	17.99	18.02	18.17			
20	16QAM	1	49	18.40	18.42	18.47	19.5	0	
20	16QAM	1	99	18.20	18.22	18.41			
20	16QAM	50	0	18.19	18.34	18.44			
20	16QAM	50	24	18.06	18.25	18.40			
20	16QAM	50	50	18.15	18.38	18.39	19.5	0	
20	16QAM	100	0	18.31	18.29	18.62			
20	64QAM	1	0	17.70	17.80	17.88			
20	64QAM	1	49	18.21	18.22	18.38			
20	64QAM	1	99	17.76	18.11	18.08	19.5	0	
20	64QAM	50	0	17.63	17.62	17.89			
20	64QAM	50	24	17.72	17.79	18.02			
20	64QAM	50	50	17.72	17.80	17.93			
20	64QAM	100	0	17.62	17.84	17.91	19.5	0	
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5	19.5 <td rowspan="2">0</td> <td rowspan="2"></td>	0	
15	QPSK	1	0	18.01	18.12	17.90			
15	QPSK	1	37	18.45	18.59	18.42	19.5	0	
15	QPSK	1	74	18.12	18.08	18.14			
15	QPSK	36	0	18.06	18.35	18.31			
15	QPSK	36	20	18.14	18.11	18.23			
15	QPSK	36	39	18.07	18.19	18.30	19.5	0	
15	QPSK	75	0	18.12	18.19	18.18			
15	16QAM	1	0	17.94	17.96	18.06			
15	16QAM	1	37	18.33	18.29	18.41	19.5	0	
15	16QAM	1	74	18.08	18.12	18.27			
15	16QAM	36	0	18.06	18.25	18.20			
15	16QAM	36	20	17.99	18.17	18.35			
15	16QAM	36	39	18.01	18.24	18.24	19.5	0	
15	16QAM	75	0	18.16	18.22	18.27			
15	64QAM	1	0	17.58	17.69	17.83			
15	64QAM	1	37	18.15	18.16	18.28	19.5	0	
15	64QAM	1	74	17.61	18.01	17.99			
15	64QAM	36	0	17.57	17.76	17.75			
15	64QAM	36	20	17.64	17.68	17.95			
15	64QAM	36	39	17.59	17.61	17.81	19.5	0	
15	64QAM	75	0	17.53	17.69	17.76			
Channel				37850	38000	38150			
Frequency (MHz)				2575	2595	2615	19.5 <td rowspan="2">0</td> <td rowspan="2"></td>	0	
10	QPSK	1	0	17.94	18.11	17.97			
10	QPSK	1	25	18.39	18.54	18.48	19.5	0	
10	QPSK	1	49	18.18	18.03	18.17			
10	QPSK	25	0	18.02	18.35	18.28			
10	QPSK	25	12	18.17	18.16	18.30			
10	QPSK	25	25	18.04	18.27	18.37	19.5	0	
10	QPSK	50	0	18.12	18.18	18.19			
10	16QAM	1	0	17.94	17.94	18.08			
10	16QAM	1	25	18.25	18.33	18.33	19.5	0	
10	16QAM	1	49	18.11	18.17	18.33			
10	16QAM	25	0	18.12	18.19	18.19			
10	16QAM	25	12	17.95	18.18	18.27			
10	16QAM	25	25	18.08	18.25	18.33	19.5	0	
10	16QAM	50	0	18.23	18.16	18.54			
10	64QAM	1	0	17.60	17.70	17.79			
10	64QAM	1	25	18.16	18.12	18.23	19.5	0	
10	64QAM	1	49	17.62	17.68	17.86			
10	64QAM	25	0	17.54	17.72	17.76			
10	64QAM	25	12	17.62	17.66	17.87			
10	64QAM	25	25	17.62	17.81	17.84	19.5	0	
10	64QAM	50	0	17.53	17.77	17.77			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5	19.5 <td rowspan="2">0</td> <td rowspan="2"></td>	0	
5	QPSK	1	0	17.94	18.13	17.94			
5	QPSK	1	12	18.38	18.55	18.41	19.5	0	
5	QPSK	1	24	18.17	18.08	18.20			
5	QPSK	12	0	18.07	18.42	18.33			
5	QPSK	12	7	18.19	18.17	18.27			
5	QPSK	12	13	18.08	18.22	18.39	19.5	0	
5	QPSK	25	0	18.11	18.23	18.20			
5	16QAM	1	0	17.91	17.94	18.03			
5	16QAM	1	12	18.34	18.28	18.33			
5	16QAM	1	24	18.13	18.07	18.32	19.5	0	
5	16QAM	12	0	18.04	18.23	18.35			
5	16QAM	12	7	17.99	18.19	18.28			
5	16QAM	12	13	18.02	18.32	18.34			
5	16QAM	25	0	18.18	18.24	18.57	19.5	0	
5	64QAM	1	0	17.56	17.69	17.80			
5	64QAM	1	12	18.16	18.11	18.30			
5	64QAM	1	24	17.66	18.05	18.04	19.5	0	
5	64QAM	12	0	17.48	17.68	17.80			
5	64QAM	12	7	17.66	17.68	17.88			
5	64QAM	12	13	17.60	17.81	17.88			
5	64QAM	25	0	17.57	17.75	17.77			



Band 41_Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				40140 2545	40400 2571	40670 2598	41140 2645				
20	QPSK	1	0	20.06	20.16	20.25	20.48	21.5	0		
20	QPSK	1	49	20.44	20.51	20.63	20.89				
20	QPSK	1	99	20.12	20.23	20.39	20.48				
20	QPSK	50	0	20.22	20.29	20.57	20.81				
20	QPSK	50	24	20.22	20.28	20.48	20.57	21.5	0		
20	QPSK	50	50	20.29	20.44	20.42	20.60				
20	QPSK	100	0	20.22	20.38	20.62	20.78				
20	16QAM	1	0	19.95	19.97	20.29	20.60				
20	16QAM	1	49	20.51	20.45	20.74	20.56	21.5	0		
20	16QAM	1	99	20.08	20.22	20.40	20.70				
20	16QAM	50	0	20.21	20.23	20.61	20.69				
20	16QAM	50	24	20.18	20.40	20.53	20.78				
20	16QAM	50	50	20.24	20.39	20.53	20.60	21.5	0		
20	16QAM	100	0	20.24	20.34	20.63	20.55				
20	64QAM	1	0	20.45	20.56	20.76	20.29				
20	64QAM	1	49	20.17	20.19	20.36	20.55				
20	64QAM	1	99	20.22	20.02	20.10	20.39	21.5	0		
20	64QAM	50	0	20.21	20.26	20.38	20.65				
20	64QAM	50	24	20.11	20.31	20.37	20.70				
20	64QAM	50	50	20.18	20.23	20.45	20.75				
20	64QAM	100	0	20.03	20.32	20.40	20.78				
Channel Frequency (MHz)				40115 2542.5	40395 2570.5	40685 2597.5	41165 2647.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	20.00	20.03	20.12	20.38	21.5	0		
15	QPSK	1	37	20.36	20.40	20.49	20.87				
15	QPSK	1	74	19.97	20.17	20.26	20.35				
15	QPSK	36	0	20.14	20.17	20.42	20.60				
15	QPSK	36	20	20.13	20.17	20.40	20.45	21.5	0		
15	QPSK	36	39	20.23	20.33	20.36	20.48				
15	QPSK	75	0	20.10	20.29	20.52	20.72				
15	16QAM	1	0	19.81	19.91	20.16	20.53				
15	16QAM	1	37	20.41	20.33	20.66	20.49	21.5	0		
15	16QAM	1	74	20.02	20.07	20.26	20.60				
15	16QAM	36	0	20.09	20.15	20.55	20.64				
15	16QAM	36	20	20.08	20.31	20.40	20.63				
15	16QAM	36	39	20.04	20.26	20.39	20.47	21.5	0		
15	16QAM	75	0	20.11	20.23	20.54	20.42				
15	64QAM	1	0	19.89	19.84	19.78	20.23				
15	64QAM	1	37	20.05	20.11	20.21	20.46				
15	64QAM	1	74	20.17	19.90	20.00	20.28	21.5	0		
15	64QAM	36	0	20.10	20.15	20.24	20.54				
15	64QAM	36	20	20.04	20.20	20.30	20.62				
15	64QAM	36	39	20.11	20.15	20.33	20.68				
15	64QAM	75	0	19.96	20.18	20.31	20.72	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				40090 2540	40390 2570	40690 2600	41190 2650				
10	QPSK	1	0	19.92	20.05	20.12	20.42	21.5	0		
10	QPSK	1	25	20.33	20.39	20.50	20.76				
10	QPSK	1	49	19.99	20.16	20.29	20.42				
10	QPSK	25	0	20.12	20.17	20.48	20.54				
10	QPSK	25	12	20.07	20.22	20.36	20.47	21.5	0		
10	QPSK	25	25	20.19	20.34	20.30	20.55				
10	QPSK	50	0	20.16	20.32	20.47	20.73				
10	16QAM	1	0	19.81	19.86	20.14	20.45				
10	16QAM	1	25	20.45	20.31	20.65	20.41	21.5	0		
10	16QAM	1	49	19.97	20.09	20.33	20.57				
10	16QAM	25	0	20.10	20.08	20.53	20.58				
10	16QAM	25	12	20.06	20.32	20.47	20.63				
10	16QAM	25	25	20.09	20.28	20.40	20.55	21.5	0		
10	16QAM	50	0	20.09	20.27	20.54	20.44				
10	64QAM	1	0	19.94	19.83	19.73	20.16				
10	64QAM	1	25	20.02	20.11	20.29	20.42				
10	64QAM	1	49	20.13	19.90	20.05	20.24	21.5	0		
10	64QAM	25	0	20.14	20.11	20.26	20.51				
10	64QAM	25	12	20.01	20.25	20.24	20.58				
10	64QAM	25	25	20.07	20.12	20.39	20.65				
10	64QAM	50	0	19.93	20.24	20.33	20.65	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)				40065 2537.5	40365 2569.5	40705 2601.5	41215 2652.5				
5	QPSK	1	0	19.91	20.05	20.10	20.41	21.5	0		
5	QPSK	1	12	20.34	20.43	20.49	20.69				
5	QPSK	1	24	19.97	20.11	20.24	20.39				
5	QPSK	12	0	20.11	20.15	20.45	20.59				
5	QPSK	12	7	20.17	20.14	20.36	20.51	21.5	0		
5	QPSK	12	13	20.21	20.33	20.34	20.51				
5	QPSK	25	0	20.16	20.24	20.53	20.71				
5	16QAM	1	0	19.85	19.85	20.23	20.48				
5	16QAM	1	12	20.37	20.32	20.68	20.44	21.5	0		
5	16QAM	1	24	19.86	20.07	20.27	20.57				
5	16QAM	12	0	20.16	20.10	20.56	20.61				
5	16QAM	12	7	20.06	20.29	20.42	20.71				
5	16QAM	12	13	20.07	20.30	20.42	20.52	21.5	0		
5	16QAM	25	0	20.09	20.22	20.51	20.46				
5	64QAM	1	0	19.86	19.84	19.77	20.17				
5	64QAM	1	12	20.07	20.09	20.25	20.49				
5	64QAM	1	24	20.12	19.93	20.00	20.26	21.5	0		
5	64QAM	12	0	20.09	20.18	20.32	20.58				
5	64QAM	12	7	19.97	20.25	20.25	20.61				
5	64QAM	12	13	20.09	20.09	20.30	20.69				
5	64QAM	25	0	19.89	20.20	20.31	20.66				

Band 41_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Low Ch. / Freq.	Power Middle High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)				
Channel Frequency (MHz)				2545	2571	2598	2645						
20	QPSK	1	0	17.52	17.54	17.50	17.62	19	0				
20	QPSK	1	49	17.53	17.62	17.86	18.16						
20	QPSK	1	99	17.63	17.59	17.58	17.71						
20	QPSK	50	0	17.80	17.70	17.74	18.03						
20	QPSK	50	24	17.50	17.52	17.65	17.80	19	0				
20	QPSK	50	50	17.24	17.64	17.70	18.00						
20	QPSK	100	0	17.49	17.54	17.73	17.93						
20	16QAM	1	0	17.50	17.45	17.58	17.87						
20	16QAM	1	49	17.66	17.56	18.03	18.08	19	0				
20	16QAM	1	99	17.46	17.56	17.69	17.87						
20	16QAM	50	0	17.34	17.48	17.69	18.09						
20	16QAM	50	24	17.34	17.36	17.58	18.05	19	0				
20	16QAM	50	50	17.39	17.59	17.59	18.09						
20	16QAM	100	0	17.36	17.44	17.72	17.95						
20	64QAM	1	0	17.29	17.26	17.22	17.41						
20	64QAM	1	49	17.39	17.45	17.80	17.99	19	0				
20	64QAM	1	99	17.30	17.27	17.50	17.63						
20	64QAM	50	0	17.46	17.28	17.59	17.97						
20	64QAM	50	24	17.30	17.43	17.62	17.93	19	0				
20	64QAM	50	50	17.49	17.50	17.75	18.01						
20	64QAM	100	0	17.55	17.50	17.81	18.00						
Channel				40115	40395	40685	41165			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				2542.5	2570.5	2599.5	2647.5						
15	QPSK	1	0	17.41	17.40	17.39	17.47	19	0				
15	QPSK	1	37	17.43	17.54	17.54	18.06						
15	QPSK	1	74	17.49	17.47	17.43	17.57						
15	QPSK	38	0	17.25	17.22	17.68	17.88						
15	QPSK	38	20	17.26	17.36	17.57	17.79	19	0				
15	QPSK	38	39	17.09	17.57	17.64	17.85						
15	QPSK	75	0	17.26	17.39	17.66	17.85						
15	16QAM	1	0	17.44	17.40	17.50	17.76						
15	16QAM	1	37	17.53	17.50	17.92	17.98	19	0				
15	16QAM	1	74	17.39	17.48	17.55	17.82						
15	16QAM	38	0	17.27	17.43	17.61	17.99						
15	16QAM	38	20	17.28	17.28	17.48	17.77						
15	16QAM	38	39	17.29	17.51	17.59	17.94	19	0				
15	16QAM	75	0	17.31	17.29	17.65	17.82						
15	64QAM	1	0	17.21	17.14	17.21	17.26						
15	64QAM	1	37	17.24	17.31	17.70	17.85						
15	64QAM	1	74	17.15	17.17	17.41	17.58	19	0				
15	64QAM	36	0	17.29	17.13	17.54	17.88						
15	64QAM	38	20	17.07	17.36	17.50	17.88						
15	64QAM	38	39	17.20	17.38	17.62	17.87						
15	64QAM	75	0	17.27	17.21	17.21	17.91	19	0				
Channel				40290	40390	40590	41190			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				25440	25700	25990	26500						
10	QPSK	1	0	17.41	17.40	17.45	17.55			19	0		
10	QPSK	1	25	17.38	17.48	17.79	18.08						
10	QPSK	1	49	17.48	17.48	17.49	17.65						
10	QPSK	25	0	17.25	17.22	17.62	17.89						
10	QPSK	25	12	17.21	17.39	17.57	17.79	19	0				
10	QPSK	25	25	17.14	17.51	17.63	17.92						
10	QPSK	50	0	17.23	17.49	17.68	17.81						
10	16QAM	1	0	17.44	17.31	17.45	17.78						
10	16QAM	1	25	17.52	17.46	17.90	17.96	19	0				
10	16QAM	1	49	17.32	17.41	17.54	17.82						
10	16QAM	25	0	17.24	17.37	17.58	17.97						
10	16QAM	25	12	17.24	17.29	17.49	17.98						
10	16QAM	25	25	17.33	17.51	17.52	18.01	19	0				
10	16QAM	50	0	17.27	17.34	17.65	17.86						
10	64QAM	1	0	17.15	17.17	17.09	17.33						
10	64QAM	1	25	17.27	17.36	17.74	17.85						
10	64QAM	25	49	17.19	17.15	17.51	17.58	19	0				
10	64QAM	25	0	17.28	17.21	17.52	17.82						
10	64QAM	25	12	17.10	17.37	17.56	17.85						
10	64QAM	25	25	17.24	17.32	17.63	17.95						
10	64QAM	50	0	17.25	17.30	17.67	17.95	19	0				
Channel				40295	40385	40705	41215			Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)				25315	2569.5	2599.5	2652.5						
5	QPSK	1	0	17.35	17.44	17.40	17.54			19	0		
5	QPSK	1	12	17.39	17.48	17.81	18.10						
5	QPSK	1	24	17.57	17.49	17.51	17.58						
5	QPSK	12	0	17.30	17.26	17.59	17.95						
5	QPSK	12	7	17.18	17.32	17.50	17.81	19	0				
5	QPSK	12	13	17.16	17.53	17.48	17.87						
5	QPSK	25	0	17.17	17.47	17.66	17.83						
5	16QAM	1	0	17.41	17.38	17.43	17.80						
5	16QAM	1	12	17.52	17.44	17.90	18.00	19	0				
5	16QAM	1	24	17.41	17.49	17.57	17.82						
5	16QAM	12	0	17.23	17.37	17.59	18.00						
5	16QAM	12	7	17.27	17.28	17.48	17.97						
5	16QAM	12	13	17.28	17.48	17.51	17.94	19	0				
5	16QAM	25	0	17.30	17.35	17.63	17.82						
5	64QAM	1	0	17.24	17.17	17.10	17.26						
5	64QAM	1	12	17.25	17.39	17.74	17.91						
5	64QAM	1	24	17.20	17.22	17.39	17.51	19	0				
5	64QAM	12	0	17.21	17.13	17.53	17.91						
5	64QAM	12	7	17.05	17.37	17.55	17.87						
5	64QAM	12	13	17.21	17.32	17.61	17.92						

Full Power Mode for WLAN

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	15.70	17.00	99.31
		6	2437	15.10	17.00	
		11	2462	15.00	17.00	
	802.11g 6Mbps	1	2412	15.30	17.00	96.78
		6	2437	14.60	17.00	
		11	2462	14.40	17.00	
	802.11n-HT20 MCS0	1	2412	14.30	17.00	96.57
		6	2437	13.50	17.00	
		11	2462	13.30	17.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	14.59	16.50	96.87
		40	5200	14.54	16.50	
		44	5220	14.77	16.50	
		48	5240	14.55	16.50	
	802.11n-HT20 MCS0	36	5180	13.42	16.00	96.67
		40	5200	13.38	16.00	
		44	5220	13.40	16.00	
		48	5240	13.41	16.00	
	802.11n-HT40 MCS0	38	5190	13.52	16.00	93.73
		46	5230	13.56	16.00	
	802.11ac-VHT20 MCS0	36	5180	13.40	16.00	96.80
		40	5200	13.36	16.00	
		44	5220	13.39	16.00	
		48	5240	13.38	16.00	
	802.11ac-VHT40 MCS0	38	5190	13.49	16.00	93.75
		46	5230	13.53	16.00	
	802.11ac-VHT80 MCS0	42	5210	13.47	16.00	87.84

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	14.72	16.50	96.87
		56	5280	14.68	16.50	
		60	5300	14.74	16.50	
		64	5320	14.79	16.50	
	802.11n-HT20 MCS0	52	5260	13.51	16.00	96.67
		56	5280	13.54	16.00	
		60	5300	13.49	16.00	
		64	5320	13.38	16.00	
	802.11n-HT40 MCS0	54	5270	13.53	16.00	93.73
		62	5310	13.55	16.00	
	802.11ac-VHT20 MCS0	52	5260	13.48	16.00	96.80
		56	5280	13.51	16.00	
		60	5300	13.47	16.00	
		64	5320	13.36	16.00	
	802.11ac-VHT40 MCS0	54	5270	13.51	16.00	93.75
		62	5310	13.52	16.00	
	802.11ac-VHT80 MCS0	58	5290	13.46	16.00	87.84

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	13.08	15.00	96.87
		116	5580	13.74	15.00	
		124	5620	13.68	15.00	
		132	5660	13.63	15.00	
		140	5700	13.55	15.00	
		144	5720	13.87	15.00	
	802.11n-HT20 MCS0	100	5500	14.02	16.00	96.67
		116	5580	14.61	16.00	
		124	5620	14.56	16.00	
		132	5660	14.55	16.00	
		140	5700	14.58	16.00	
		144	5720	14.61	16.00	
	802.11n-HT40 MCS0	102	5510	14.05	16.00	93.73
		110	5550	14.02	16.00	
		126	5630	14.22	16.00	
		134	5670	14.35	16.00	
		142	5710	14.33	16.00	
		144	5720	14.58	16.00	
	802.11ac-VHT20 MCS0	100	5500	14.01	16.00	96.80
		116	5580	14.56	16.00	
		124	5620	14.50	16.00	
		132	5660	14.52	16.00	
		140	5700	14.52	16.00	
		144	5720	14.56	16.00	
	802.11ac-VHT40 MCS0	102	5510	14.01	16.00	93.75
		110	5550	14.00	16.00	
		126	5630	14.11	16.00	
		134	5670	14.26	16.00	
		142	5710	14.24	16.00	
		106	5530	14.10	16.00	
	802.11ac-VHT80 MCS0	122	5610	14.73	16.00	87.84
		138	5690	14.64	16.00	

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	14.19	16.00	96.87
		157	5785	14.12	16.00	
		165	5825	14.08	16.00	
	802.11n-HT20 MCS0	149	5745	13.01	16.00	96.67
		157	5785	12.99	16.00	
		165	5825	13.00	16.00	
	802.11n-HT40 MCS0	151	5755	12.98	16.00	93.73
		159	5795	12.96	16.00	
	802.11ac-VHT20 MCS0	149	5745	12.96	16.00	96.80
		157	5785	12.92	16.00	
		165	5825	12.94	16.00	
	802.11ac-VHT40 MCS0	151	5755	12.95	16.00	93.75
		159	5795	12.89	16.00	
	802.11ac-VHT80 MCS0	155	5775	13.01	16.00	87.84

Reduced Power for Head

2.4GHz WLAN						
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	14.20	16.00	99.31
		6	2437	14.10	16.00	
		11	2462	14.10	16.00	
	802.11g 6Mbps	1	2412	No Required	15.00	96.78
		6	2437		15.00	
		11	2462		15.00	
	802.11n-HT20 MCS0	1	2412		14.00	96.57
		6	2437		14.00	
		11	2462		14.00	

5.2GHz WLAN						
5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	No Required	12.00	96.87
		40	5200		12.00	
		44	5220		12.00	
		48	5240		12.00	
	802.11n-HT20 MCS0	36	5180		12.00	96.67
		40	5200		12.00	
		44	5220		12.00	
		48	5240		12.00	
	802.11n-HT40 MCS0	38	5190		12.00	93.73
		46	5230		12.00	
		36	5180		12.00	
		40	5200		12.00	
	802.11ac-VHT20 MCS0	44	5220		12.00	96.80
		48	5240		12.00	
		38	5190		12.00	
		46	5230		12.00	
	802.11ac-VHT40 MCS0	38	5190		12.00	93.75
		46	5230		12.00	
	802.11ac-VHT80 MCS0	42	5210	10.24	12.00	87.84

5.3GHz WLAN						
5.3GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	52	5260	No Required	12.00	96.87
		56	5280		12.00	
		60	5300		12.00	
		64	5320		12.00	
	802.11n-HT20 MCS0	52	5260		12.00	96.67
		56	5280		12.00	
		60	5300		12.00	
		64	5320		12.00	
	802.11n-HT40 MCS0	54	5270		12.00	93.73
		62	5310		12.00	
		52	5260		12.00	
		56	5280		12.00	
	802.11ac-VHT20 MCS0	60	5300		12.00	96.80
		64	5320		12.00	
		54	5270		12.00	
		62	5310		12.00	
	802.11ac-VHT40 MCS0	62	5310		12.00	93.75
		58	5290		12.00	
	802.11ac-VHT80 MCS0	58	5290	10.46	12.00	87.84

5.5GHz WLAN						
5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	12.04	14.00	96.87
		116	5580	12.40	14.00	
		124	5620	12.46	14.00	
		132	5660	12.38	14.00	
		140	5700	12.42	14.00	
		144	5720	12.46	14.00	
	802.11n-HT20 MCS0	100	5500	No Required	13.00	96.67
		116	5580		13.00	
		124	5620		13.00	
		132	5660		13.00	
		140	5700		13.00	
		144	5720		13.00	
	802.11n-HT40 MCS0	102	5510		13.00	93.73
		110	5550		13.00	
		126	5630		13.00	
		134	5670		13.00	
		142	5710		13.00	
		100	5500		13.00	
	802.11ac-VHT20 MCS0	116	5580		13.00	96.80
		124	5620		13.00	
		132	5660		13.00	
		140	5700		13.00	
		144	5720		13.00	
		102	5510		13.00	
	802.11ac-VHT40 MCS0	110	5550		13.00	93.75
		126	5630		13.00	
		134	5670		13.00	
		142	5710		13.00	
		106	5530		13.00	
		122	5610		13.00	
	802.11ac-VHT80 MCS0	138	5690		13.00	87.84

5.8GHz WLAN						
5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	149	5745	12.14	14.00	96.87
		157	5785	12.08	14.00	
		165	5825	12.05	14.00	
	802.11n-HT20 MCS0	149	5745	No Required	13.00	96.67
		157	5785		13.00	
		165	5825		13.00	
	802.11n-HT40 MCS0	151	5755		13.00	93.73
		159	5795		13.00	
		149	5745		13.00	
	802.11ac-VHT20 MCS0	157	5785		13.00	96.80
		165	5825		13.00	
		151	5755		13.00	
	802.11ac-VHT40 MCS0	159	5795		13.00	93.75
		155	5775		13.00	
	802.11ac-VHT80 MCS0	155	5775		13.00	87.84

Reduced Power for Body

2.4GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.70	17.00	99.31
		6	2437	15.10	17.00	
		11	2462	15.00	17.00	
	802.11g 6Mbps	1	2412	15.30	17.00	96.78
		6	2437	14.60	17.00	
		11	2462	14.40	17.00	
	802.11n-HT20 MCS0	1	2412	No Required	16.00	96.57
		6	2437		16.00	
		11	2462		16.00	

5.2GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180		14.00	96.87
		40	5200		14.00	
		44	5220		14.00	
		48	5240		14.00	
	802.11n-HT20 MCS0	36	5180		14.00	96.67
		40	5200		14.00	
		44	5220		14.00	
		48	5240		14.00	
	802.11n-HT40 MCS0	38	5190	No Required	14.00	93.73
		46	5230		14.00	
		36	5190		14.00	
	802.11ac-VHT20 MCS0	40	5200		14.00	96.80
		44	5220		14.00	
		48	5240		14.00	
		38	5190		14.00	
	802.11ac-VHT40 MCS0	46	5230		14.00	93.75
		42	5210		14.00	
	802.11ac-VHT80 MCS0	42	5210	12.43	14.00	87.84

5.3GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260		14.00	96.87
		56	5280		14.00	
		60	5300		14.00	
		64	5320		14.00	
	802.11n-HT20 MCS0	52	5260		14.00	96.67
		56	5280		14.00	
		60	5300		14.00	
		64	5320		14.00	
	802.11n-HT40 MCS0	54	5270	No Required	14.00	93.73
		62	5310		14.00	
		52	5260		14.00	
	802.11ac-VHT20 MCS0	56	5280		14.00	96.80
		60	5300		14.00	
		64	5320		14.00	
		54	5270		14.00	
	802.11ac-VHT40 MCS0	62	5310		14.00	93.75
		58	5290		14.00	
	802.11ac-VHT80 MCS0	58	5290	12.42	14.00	87.84

5.5GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	13.08	15.00	96.87
		116	5580	13.74	15.00	
		124	5620	13.68	15.00	
		132	5660	13.63	15.00	
		140	5700	13.55	15.00	
		144	5720	13.87	15.00	
	802.11n-HT20 MCS0	100	5500		14.00	96.67
		116	5580		14.00	
		124	5620		14.00	
		132	5660		14.00	
		140	5700		14.00	
		144	5720		14.00	
	802.11n-HT40 MCS0	102	5510		14.00	93.73
		110	5550		14.00	
		126	5630		14.00	
		134	5670		14.00	
		142	5710		14.00	
		100	5500		14.00	
	802.11ac-VHT20 MCS0	116	5580	No Required	14.00	96.80
		124	5620		14.00	
		132	5660		14.00	
		140	5700		14.00	
		144	5720		14.00	
		102	5510		14.00	
	802.11ac-VHT40 MCS0	110	5550		14.00	93.75
		126	5630		14.00	
		134	5670		14.00	
		142	5710		14.00	
		106	5530		14.00	
		122	5610		14.00	
	802.11ac-VHT80 MCS0	138	5690		14.00	87.84

5.8GHz WLAN						
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	13.13	15.00	96.87
		157	5785	13.05	15.00	
		165	5825	13.03	15.00	
	802.11n-HT20 MCS0	149	5745		14.00	96.67
		157	5785		14.00	
		165	5825		14.00	
	802.11n-HT40 MCS0	151	5755		14.00	93.73
		159	5795		14.00	
		149	5745		14.00	
	802.11ac-VHT20 MCS0	157	5785	No Required	14.00	96.80
		165	5825		14.00	
		151	5755		14.00	
	802.11ac-VHT40 MCS0	159	5795		14.00	93.75
		155	5775		14.00	
	802.11ac-VHT80 MCS0	155	5775		14.00	87.84

Conducted Power for Bluetooth

BT BR/EDR

BT BR/EDR												
Mode	Channel	Frequency (MHz)	Average power (dBm)									Tune-up Limit
			Packet Type									
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	9.10	9.10	9.20	6.30	6.30	6.40	6.30	6.20	6.40	10.50
	CH 39	2441	9.80	9.80	9.90	7.10	7.00	7.20	7.00	6.90	7.10	10.50
	CH 78	2480	9.20	9.20	9.30	6.80	6.80	6.90	6.80	6.80	6.90	10.50

BT LE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	4.60
	CH 19	2440	6.20
	CH 39	2480	4.80
Tune-up Limit			7

BT LE 1M/2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	4.60	4.60
	CH 19	2440	6.20	6.30
	CH 39	2480	4.80	4.90
Tune-up Limit			7	7