



Default Power for WWAN Main PA

GSM850 Ant0 Default													
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
	128	189	251		128	189	251						
TX Channel	824.2	836.4	848.8	34.00	824.2	836.4	848.8	25.00					
Frequency (MHz)	33.17	33.19	33.08	34.00	24.17	24.19	24.08	25.00					
GSM 1 Tx slot	33.15	33.18	33.07	34.00	24.15	24.18	24.07	25.00					
GPRS 1 Tx slots	32.12	32.23	32.07	33.50	26.12	26.23	26.07	27.50					
GPRS 2 Tx slots	30.32	30.44	30.43	31.50	26.06	26.18	26.17	27.24					
GPRS 3 Tx slots	29.28	29.32	29.12	30.50	26.26	26.32	26.12	27.50					
GPRS 4 Tx slots	27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50					
EDGE 1 Tx slot	26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00					
EDGE 2 Tx slots	23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74					
EDGE 3 Tx slots	22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50					
EDGE 4 Tx slots													
GSM1900 Ant0 Default													
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)					
	512	661	810		512	661	810						
TX Channel	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50					
Frequency (MHz)	29.55	29.58	29.46	30.50	20.55	20.58	20.46	21.50					
GSM 1 Tx slot	29.53	29.56	29.45	30.50	20.53	20.56	20.45	21.50					
GPRS 1 Tx slots	28.48	28.61	28.44	29.50	22.48	22.61	22.44	23.50					
GPRS 2 Tx slots	26.40	26.45	26.30	27.50	22.14	22.19	22.04	23.24					
GPRS 3 Tx slots	25.29	25.33	25.13	26.50	22.29	22.33	22.13	23.50					
GPRS 4 Tx slots	25.42	25.31	25.24	26.50	16.42	16.31	16.24	17.50					
EDGE 1 Tx slot	24.27	23.89	23.91	25.00	18.27	17.89	17.91	19.00					
EDGE 2 Tx slots	22.26	21.83	21.84	23.00	18.00	17.57	17.58	18.74					
EDGE 3 Tx slots	20.92	20.80	20.78	22.00	17.92	17.80	17.78	19.00					
EDGE 4 Tx slots													
WCDMA II Ant0 Default													
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V				
	9262	9400	9538		1312	1413	1513		4192	4182	4238		
TX Channel	9562	9390	9335	1537	1633	1733	4357	4407	4455				
Rx Channel	1852.4	1890	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	22.54	22.61	22.52	24.00	22.65	22.75	22.67	24.00	22.78	22.88	22.83	24.00
3GPP Rel 99	RMC 12.2Kbps	22.57	22.65	22.62	24.00	22.68	22.77	22.70	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-1	21.56	21.71	21.59	23.00	21.72	21.87	21.66	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6	HSDPA Subtest-2	21.56	21.57	21.54	23.00	21.65	21.73	21.63	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6	HSDPA Subtest-3	21.08	21.19	21.11	22.50	21.18	21.31	21.24	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.00	21.06	21.06	22.50	21.06	21.12	21.15	22.50	21.13	21.28	21.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.55	21.65	21.57	23.00	21.69	21.72	21.70	23.00	21.81	21.80	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.44	21.63	21.47	23.00	21.59	21.78	21.56	23.00	21.72	21.89	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.99	21.17	21.06	22.50	21.09	21.27	21.23	22.50	21.25	21.38	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.97	21.07	20.98	22.50	21.05	21.15	21.05	22.50	21.16	21.22	21.11	22.50
3GPP Rel 8	HSUPA Subtest-1	21.44	21.59	21.54	23.00	21.59	21.86	21.82	23.00	21.88	21.72	21.73	23.00
3GPP Rel 6	HSUPA Subtest-2	19.57	19.69	19.58	21.00	19.65	19.79	19.73	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6	HSUPA Subtest-3	20.70	20.73	20.68	22.00	20.83	20.79	20.81	22.00	20.96	20.86	20.95	22.00
3GPP Rel 6	HSUPA Subtest-4	19.48	19.60	19.47	21.00	19.57	19.73	19.60	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6	HSUPA Subtest-5	21.47	21.64	21.52	23.00	21.56	21.75	21.67	23.00	21.66	21.89	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.11	19.31	19.13	20.50	19.24	19.37	19.27	20.50	19.35	19.52	19.37	20.50



Band 12 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 23040	Power Middle Ch. / Freq. 23056	Power High Ch. / Freq. 23150	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	22.59	22.68	22.64				
10	QPSK	1	25	22.56	22.60	22.51	24	0		
10	QPSK	1	49	22.40	22.55	22.48				
10	QPSK	25	0	21.59	21.64	21.50				
10	QPSK	25	12	21.53	21.58	21.45	23	1		
10	QPSK	25	25	21.43	21.53	21.47				
10	QPSK	50	0	21.56	21.59	21.49				
10	16QAM	1	0	21.47	21.52	21.47				
10	16QAM	1	25	21.32	21.46	21.41	23	1		
10	16QAM	1	49	21.28	21.42	21.29				
10	16QAM	25	0	20.60	20.64	20.59				
10	16QAM	25	12	20.52	20.56	20.43	22	2		
10	16QAM	25	25	20.46	20.60	20.53				
10	16QAM	50	0	20.51	20.56	20.47				
10	64QAM	1	0	20.56	20.67	20.55				
10	64QAM	1	25	20.58	20.61	20.50	22	2		
10	64QAM	1	49	20.50	20.57	20.49				
10	64QAM	25	0	19.56	19.59	19.51				
10	64QAM	25	12	19.40	19.50	19.47	21	3		
10	64QAM	25	25	19.42	19.55	19.41				
10	64QAM	50	0	19.43	19.54	19.50				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.56	22.62	22.57	24	0		
5	QPSK	1	12	22.46	22.46	22.38				
5	QPSK	1	24	22.31	22.42	22.39				
5	QPSK	12	0	21.49	21.60	21.40	23	1		
5	QPSK	12	7	21.40	21.53	21.40				
5	QPSK	12	13	21.34	21.49	21.34				
5	QPSK	25	0	21.47	21.56	21.37				
5	16QAM	1	0	21.38	21.44	21.38				
5	16QAM	1	12	21.27	21.36	21.31	23	1		
5	16QAM	1	24	21.19	21.32	21.24				
5	16QAM	12	0	20.46	20.61	20.45				
5	16QAM	12	7	20.40	20.47	20.35	22	2		
5	16QAM	12	13	20.39	20.52	20.43				
5	16QAM	25	0	20.43	20.51	20.38				
5	64QAM	1	0	20.49	20.55	20.42				
5	64QAM	1	12	20.43	20.53	20.39	22	2		
5	64QAM	1	24	20.35	20.50	20.41				
5	64QAM	12	0	19.52	19.59	19.43				
5	64QAM	12	7	19.37	19.55	19.35	21	3		
5	64QAM	12	13	19.34	19.43	19.35				
5	64QAM	25	0	19.32	19.50	19.46				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.48	22.56	22.52	24	0		
1.4	QPSK	1	14	22.26	22.42	22.37				
1.4	QPSK	8	0	21.47	21.61	21.38	23	1		
1.4	QPSK	8	4	21.47	21.44	21.30				
1.4	QPSK	8	7	21.33	21.43	21.38				
1.4	QPSK	15	0	21.46	21.44	21.37				
1.4	16QAM	1	0	21.38	21.45	21.35				
1.4	16QAM	1	8	21.28	21.33	21.35	23	1		
1.4	16QAM	1	14	21.17	21.27	21.20				
1.4	16QAM	8	0	20.55	20.56	20.48				
1.4	16QAM	8	4	20.43	20.49	20.38	22	2		
1.4	16QAM	8	7	20.43	20.50	20.49				
1.4	16QAM	15	0	20.38	20.43	20.33				
1.4	64QAM	1	0	20.44	20.55	20.45				
1.4	64QAM	1	8	20.50	20.53	20.42	22	2		
1.4	64QAM	1	14	20.46	20.52	20.35				
1.4	64QAM	8	0	19.45	19.51	19.45				
1.4	64QAM	8	4	19.27	19.36	19.33	21	3		
1.4	64QAM	8	7	19.35	19.46	19.28				
1.4	64QAM	15	0	19.36	19.42	19.40				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	22.56	22.64	22.57	24	0		
1.4	QPSK	1	3	22.44	22.47	22.45				
1.4	QPSK	1	5	22.31	22.47	22.38				
1.4	QPSK	3	0	22.45	22.59	22.50				
1.4	QPSK	3	1	22.48	22.50	22.47				
1.4	QPSK	3	3	22.27	22.44	22.43				
1.4	QPSK	6	0	21.54	21.58	21.41	23	1		
1.4	16QAM	1	0	21.41	21.50	21.35				
1.4	16QAM	1	3	21.33	21.45	21.42				
1.4	16QAM	1	5	21.41	21.47	21.37	23	1		
1.4	16QAM	3	0	21.39	21.44	21.40				
1.4	16QAM	3	1	21.26	21.37	21.31				
1.4	16QAM	3	3	21.22	21.37	21.19				
1.4	16QAM	6	0	20.47	20.54	20.50	22	2		
1.4	64QAM	1	0	20.40	20.45	20.34				
1.4	64QAM	1	3	20.44	20.55	20.42				
1.4	64QAM	1	5	20.40	20.52	20.39	22	2		
1.4	64QAM	3	0	20.42	20.63	20.52				
1.4	64QAM	3	1	20.49	20.54	20.39				
1.4	64QAM	3	3	20.37	20.49	20.35				
1.4	64QAM	6	0	19.51	19.54	19.45	21	3		

Band 13 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 23240	Power Middle Ch. / Freq. 23256	Power High Ch. / Freq. 23350	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0		22.73					
10	QPSK	1	25		22.58		24	0		
10	QPSK	1	49		22.64					
10	QPSK	25	0		21.72					
10	QPSK	25	12		21.62		23	1		
10	QPSK	25	25		21.57					
10	QPSK	50	0		21.62					
10	16QAM	1	0		21.56					
10	16QAM	1	25		21.53		23	1		
10	16QAM	1	49		21.32					
10	16QAM	25	0		20.58					
10	16QAM	25	12		20.57		22	2		
10	16QAM	25	25		20.68					
10	16QAM	50	0		20.64					
10	64QAM	1	0		20.67					
10	64QAM	1	25		20.64		22	2		
10	64QAM	1	49		20.59					
10	64QAM	25	0		19.55					
10	64QAM	25	12		19.49		21	3		
10	64QAM	25	25		19.59					
10	64QAM	50	0		19.63					
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.61	22.69	22.55	24	0		
5	QPSK	1	12	22.50	22.54	22.49				
5	QPSK	1	24	22.51	22.57	22.48				
5	QPSK	12	0	21.59	21.69	21.59				
5	QPSK	12	7	21.47	21.55	21.40	23	1		
5	QPSK	12	13	21.38	21.47	21.36				
5	QPSK	25	0	21.40	21.50	21.38				
5	16QAM	1	0	21.38	21.49	21.40				
5	16QAM	1	12	21.40	21.44	21.36	23	1		
5	16QAM	1	24	21.13	21.22	21.16				
5	16QAM	12	0	20.46	20.51	20.43				
5	16QAM	12	7	20.40	20.49	20.42	22	2		
5	16QAM	12	13	20.50	20.62	20.57				
5	16QAM	25	0	20.44	20.50	20.47				
5	64QAM	1	0	20.53	20.58	20.51				
5	64QAM	1	12	20.47	20.54	20.46	22	2		
5	64QAM	1	24	20.40	20.48	20.44				
5	64QAM	12	0	19.30	19.44	19.38				
5	64QAM	12	7	19.32	19.43	19.33	21	3		
5	64QAM	12	13	19.45	19.55	19.49				
5	64QAM	25	0	19.49	19.54	19.47				
Channel										
Frequency (MHz)										
5	QPSK	1	0	22.47	22.54	22.50	24	0		
5	QPSK	1	12	22.35	22.48	22.34				



Band 7 Ant1 Default									
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	22.93	23.04	22.97	24	0	
20	QPSK	1	49	22.91	22.96	22.86			
20	QPSK	1	99	22.76	22.91	22.77			
20	QPSK	50	0	21.91	22.01	21.87	23	1	
20	QPSK	50	24	21.85	21.95	21.85			
20	QPSK	50	50	21.80	21.90	21.77			
20	QPSK	100	0	21.86	21.96	21.90	23	1	
20	16QAM	1	0	21.99	22.07	21.98			
20	16QAM	1	49	21.84	22.01	21.84			
20	16QAM	1	99	21.85	21.97	21.93	22	2	
20	16QAM	50	0	21.03	21.09	21.03			
20	16QAM	50	24	20.96	21.01	20.93			
20	16QAM	50	50	21.01	21.05	21.02	22	2	
20	16QAM	100	0	20.87	21.01	20.89			
20	64QAM	1	0	20.98	21.03	20.93			
20	64QAM	1	49	20.91	20.97	20.88	21	3	
20	64QAM	1	99	20.86	20.93	20.80			
20	64QAM	50	0	19.96	20.04	19.96			
20	64QAM	50	24	19.91	19.95	19.83	21	3	
20	64QAM	50	50	19.87	20.00	19.91			
20	64QAM	100	0	19.83	19.98	19.89			
Channel				2092.5	2110	2137.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.82	22.93	22.89	24	0	
15	QPSK	1	37	22.80	22.82	22.77			
15	QPSK	1	74	22.62	22.76	22.64			
15	QPSK	36	0	21.80	21.86	21.77	23	1	
15	QPSK	36	20	21.78	21.91	21.76			
15	QPSK	36	39	21.71	21.79	21.67			
15	QPSK	75	0	21.72	21.82	21.77	23	1	
15	16QAM	1	0	21.95	21.99	21.89			
15	16QAM	1	37	21.87	21.87	21.85			
15	16QAM	1	74	21.81	21.91	21.82	22	2	
15	16QAM	36	0	20.91	21.03	20.91			
15	16QAM	36	20	20.89	20.91	20.89			
15	16QAM	36	39	20.89	21.01	20.95	22	2	
15	16QAM	75	0	20.75	20.95	20.83			
15	64QAM	1	0	20.89	20.91	20.88			
15	64QAM	1	37	20.83	20.90	20.82	21	3	
15	64QAM	1	74	20.78	20.79	20.72			
15	64QAM	36	0	19.85	19.90	19.82			
15	64QAM	36	20	19.83	19.91	19.73	21	3	
15	64QAM	36	39	19.90	19.96	19.83			
15	64QAM	75	0	19.79	19.86	19.81			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.81	22.94	22.92	24	0	
10	QPSK	1	25	22.77	22.93	22.74			
10	QPSK	1	49	22.64	22.77	22.67			
10	QPSK	25	0	21.96	21.92	21.76	23	1	
10	QPSK	25	12	21.73	21.90	21.81			
10	QPSK	25	25	21.71	21.77	21.70			
10	QPSK	50	0	21.74	21.91	21.84	23	1	
10	16QAM	1	0	21.92	22.01	21.92			
10	16QAM	1	25	21.86	21.98	21.80			
10	16QAM	1	49	21.77	21.87	21.86	22	2	
10	16QAM	25	0	20.95	21.01	20.95			
10	16QAM	25	12	20.89	20.88	20.86			
10	16QAM	25	25	20.97	20.93	20.97	22	2	
10	16QAM	50	0	20.74	20.93	20.80			
10	64QAM	1	0	20.92	20.94	20.83			
10	64QAM	1	25	20.84	20.91	20.76	21	3	
10	64QAM	1	49	20.83	20.90	20.73			
10	64QAM	25	0	19.91	19.93	19.83			
10	64QAM	25	12	19.84	19.83	19.78	21	3	
10	64QAM	25	25	19.83	19.87	19.85			
10	64QAM	50	0	19.81	19.84	19.78			
Channel				2077.5	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.85	22.96	22.93	24	0	
5	QPSK	1	12	22.87	22.92	22.76			
5	QPSK	1	24	22.68	22.86	22.73			
5	QPSK	12	0	21.82	21.91	21.75	23	1	
5	QPSK	12	7	21.81	21.83	21.74			
5	QPSK	12	13	21.71	21.78	21.63			
5	QPSK	25	0	21.72	21.85	21.86	23	1	
5	16QAM	1	0	21.94	21.97	21.89			
5	16QAM	1	12	21.84	21.87	21.86			
5	16QAM	1	24	21.72	21.91	21.85	22	2	
5	16QAM	12	0	20.93	21.01	20.90			
5	16QAM	12	7	20.93	20.96	20.78			
5	16QAM	12	13	20.90	20.91	20.96	22	2	
5	16QAM	25	0	20.73	20.94	20.83			
5	64QAM	1	0	20.86	20.92	20.85			
5	64QAM	1	12	20.87	20.94	20.78	21	3	
5	64QAM	1	24	20.78	20.82	20.75			
5	64QAM	12	0	19.80	19.84	19.81			
5	64QAM	12	7	19.82	19.82	19.73	21	3	
5	64QAM	12	13	19.82	19.92	19.82			
5	64QAM	25	0	19.86	19.87	19.79			



Band 42 FCC Part27Q Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.26	22.33	22.21	24	0
20	QPSK	1	49	22.21	22.25	22.14		
20	QPSK	1	99	22.10	22.20	22.08		
20	QPSK	50	0	21.35	21.38	21.25	23	1
20	QPSK	50	24	21.29	21.32	21.17		
20	QPSK	50	50	21.23	21.27	21.13		
20	QPSK	100	0	21.24	21.33	21.28	23	1
20	16QAM	1	0	21.15	21.30	21.24		
20	16QAM	1	49	21.10	21.24	21.16		
20	16QAM	1	99	21.07	21.20	21.14	22	2
20	16QAM	50	0	20.31	20.37	20.32		
20	16QAM	50	24	20.22	20.29	20.17		
20	16QAM	50	50	20.25	20.33	20.29	22	2
20	16QAM	100	0	20.23	20.34	20.29		
20	64QAM	1	0	20.06	20.13	20.01		
20	64QAM	1	49	20.01	20.07	20.00	22	2
20	64QAM	1	99	20.05	20.13	20.09		
20	64QAM	50	0	19.22	19.33	19.23		
20	64QAM	50	24	19.14	19.24	19.13	21	3
20	64QAM	50	50	19.15	19.20	19.13		
20	64QAM	100	0	19.16	19.29	19.23		
Channel				42165	42560	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.20	22.28	22.18	24	0
15	QPSK	1	37	22.13	22.12	22.00		
15	QPSK	1	74	22.02	22.05	22.06		
15	QPSK	36	0	21.26	21.38	21.18	23	1
15	QPSK	36	20	21.16	21.22	21.09		
15	QPSK	36	39	21.18	21.20	21.03		
15	QPSK	75	0	21.20	21.20	21.16	23	1
15	16QAM	1	0	21.10	21.21	21.14		
15	16QAM	1	37	21.00	21.20	21.07		
15	16QAM	1	74	21.01	21.07	21.01	22	2
15	16QAM	36	0	20.28	20.30	20.20		
15	16QAM	36	20	20.13	20.19	20.03		
15	16QAM	36	39	20.14	20.19	20.15	22	2
15	16QAM	75	0	20.11	20.28	20.18		
15	64QAM	1	0	20.15	20.27	20.11		
15	64QAM	1	37	20.10	20.22	20.07	22	2
15	64QAM	1	74	20.15	20.19	20.08		
15	64QAM	36	0	19.10	19.23	19.11		
15	64QAM	36	20	19.10	19.15	19.09	21	3
15	64QAM	36	39	19.03	19.15	19.06		
15	64QAM	75	0	19.11	19.24	19.09		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.19	22.21	22.14	24	0
10	QPSK	1	25	22.11	22.15	22.02		
10	QPSK	1	49	22.01	22.14	22.02		
10	QPSK	25	0	21.22	21.26	21.13	23	1
10	QPSK	25	12	21.24	21.21	21.04		
10	QPSK	25	25	21.15	21.19	21.05		
10	QPSK	50	0	21.15	21.19	21.16	23	1
10	16QAM	1	0	21.03	21.26	21.18		
10	16QAM	1	25	21.04	21.16	21.11		
10	16QAM	1	49	21.03	21.13	21.04	22	2
10	16QAM	25	0	20.17	20.29	20.28		
10	16QAM	25	12	20.12	20.22	20.08		
10	16QAM	25	25	20.15	20.20	20.22	22	2
10	16QAM	50	0	20.15	20.21	20.20		
10	64QAM	1	0	20.18	20.28	20.10		
10	64QAM	1	25	20.06	20.02	20.06	22	2
10	64QAM	1	49	20.07	20.25	20.06		
10	64QAM	25	0	19.16	19.27	19.13		
10	64QAM	25	12	19.02	19.18	19.09	21	3
10	64QAM	25	25	19.07	19.12	19.08		
10	64QAM	50	0	19.12	19.18	19.15		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.14	22.29	22.09	24	0
5	QPSK	1	12	22.12	22.16	22.04		
5	QPSK	1	24	22.14	22.17	22.07		
5	QPSK	12	0	21.29	21.33	21.20	23	1
5	QPSK	12	7	21.23	21.19	21.06		
5	QPSK	12	13	21.08	21.13	21.09		
5	QPSK	25	0	21.13	21.20	21.14	23	1
5	16QAM	1	0	21.08	21.21	21.18		
5	16QAM	1	12	21.06	21.30	21.19		
5	16QAM	1	24	21.03	21.11	21.04	22	2
5	16QAM	12	0	20.23	20.27	20.24		
5	16QAM	12	7	20.08	20.23	20.04		
5	16QAM	12	13	20.16	20.22	20.24	22	2
5	16QAM	25	0	20.11	20.29	20.20		
5	64QAM	1	0	20.08	20.18	20.07		
5	64QAM	1	12	20.14	20.16	20.06	22	2
5	64QAM	1	24	20.08	20.20	20.02		
5	64QAM	12	0	19.18	19.28	19.08		
5	64QAM	12	7	19.09	19.11	19.09	21	3
5	64QAM	12	13	19.08	19.17	19.07		
5	64QAM	25	0	19.01	19.26	19.10		



ECI2 Power

GSM850 Ant0 ECI2									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8	34.00	824.2	836.4	848.8	25.00	
Frequency (MHz)	33.17	33.19	33.08	34.00	24.17	24.19	24.08	25.00	
GPRS 1 Tx slot	33.15	33.18	33.07	34.00	24.15	24.18	24.07	25.00	
GPRS 2 Tx slots	32.12	32.23	32.07	33.50	26.12	26.23	26.07	27.50	
GPRS 3 Tx slots	30.32	30.44	30.43	31.50	26.06	26.18	26.17	27.24	
GPRS 4 Tx slots	29.28	29.32	29.12	30.50	26.26	26.32	26.12	27.50	
EDGE 1 Tx slot	27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50	
EDGE 2 Tx slots	26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00	
EDGE 3 Tx slots	23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74	
EDGE 4 Tx slots	22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50	

GSM1900 Ant0 ECI2									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50	
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.55	20.58	20.46	21.50	
GSM 1 Tx slot	29.55	29.58	29.46	30.50	20.55	20.58	20.46	21.50	
GPRS 1 Tx slot	29.53	29.56	29.45	30.50	20.53	20.56	20.45	21.50	
GPRS 2 Tx slots	28.48	28.61	28.44	29.50	22.48	22.61	22.44	23.50	
GPRS 3 Tx slots	26.40	26.45	26.30	27.50	22.14	22.19	22.04	23.24	
GPRS 4 Tx slots	25.29	25.33	25.13	26.50	22.29	22.33	22.13	23.50	
EDGE 1 Tx slot	25.42	25.31	25.24	26.50	16.42	16.31	16.24	17.50	
EDGE 2 Tx slots	24.27	23.89	23.91	25.00	18.27	17.89	17.91	19.00	
EDGE 3 Tx slots	22.26	21.83	21.84	23.00	18.00	17.57	17.58	18.74	
EDGE 4 Tx slots	20.92	20.80	20.78	22.00	17.92	17.80	17.78	19.00	

Band	WCDMA II Ant0 ECI2			Tune-up Limit (dBm)	WCDMA IV Ant0 ECI2			Tune-up Limit (dBm)	WCDMA V Ant0 ECI2			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4192	4182	4238		
TX Channel	9562	9390	9335	1537	1633	1733	4357	4407	4455				
Rx Channel	1852.4	1890	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	22.54	22.61	22.52	24.00	22.65	22.75	22.67	24.00	22.78	22.88	22.83	24.00
3GPP Rel 99	RMC 12.2Kbps	22.57	22.65	22.62	24.00	22.68	22.77	22.70	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-1	21.56	21.71	21.59	23.00	21.72	21.87	21.66	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6	HSDPA Subtest-2	21.56	21.57	21.54	23.00	21.65	21.73	21.63	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6	HSDPA Subtest-3	21.08	21.19	21.11	22.50	21.18	21.31	21.24	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.00	21.06	21.06	22.50	21.06	21.12	21.15	22.50	21.13	21.28	21.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.55	21.65	21.57	23.00	21.69	21.72	21.70	23.00	21.81	21.80	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	21.44	21.63	21.47	23.00	21.59	21.78	21.56	23.00	21.72	21.89	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.99	21.17	21.06	22.50	21.09	21.27	21.23	22.50	21.25	21.38	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.97	21.07	20.98	22.50	21.05	21.15	21.05	22.50	21.16	21.22	21.11	22.50
3GPP Rel 8	HSPA Subtest-1	21.44	21.59	21.54	23.00	21.59	21.66	21.62	23.00	21.68	21.72	21.73	23.00
3GPP Rel 6	HSPA Subtest-2	19.57	19.69	19.58	21.00	19.65	19.79	19.73	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6	HSPA Subtest-3	20.70	20.73	20.68	22.00	20.83	20.79	20.81	22.00	20.96	20.86	20.95	22.00
3GPP Rel 6	HSPA Subtest-4	19.48	19.60	19.47	21.00	19.57	19.73	19.60	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6	HSPA Subtest-5	21.47	21.64	21.52	23.00	21.56	21.75	21.67	23.00	21.66	21.89	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.11	19.31	19.13	20.50	19.24	19.37	19.27	20.50	19.35	19.52	19.37	20.50



Band 13 Ant0 EC12									
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		22.73				
10	QPSK	1	25		22.58		24	0	
10	QPSK	1	49		22.64				
10	QPSK	25	0		21.72				
10	QPSK	25	12		21.62		23	1	
10	QPSK	25	25		21.57				
10	QPSK	50	0		21.52				
10	16QAM	1	0		21.56				
10	16QAM	1	25		21.53		23	1	
10	16QAM	1	49		21.32				
10	16QAM	25	0		20.58				
10	16QAM	25	12		20.57		22	2	
10	16QAM	25	25		20.66				
10	16QAM	50	0		20.54				
10	64QAM	1	0		20.67				
10	64QAM	1	25		20.64		22	2	
10	64QAM	1	49		20.59				
10	64QAM	25	0		19.55				
10	64QAM	25	12		19.49		21	3	
10	64QAM	25	25		19.59				
10	64QAM	50	0		19.63				
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0		22.61	22.69	22.55		
5	QPSK	1	12		22.50	22.54	22.49	24	0
5	QPSK	1	24		22.51	22.57	22.48		
5	QPSK	12	0		21.59	21.69	21.59		
5	QPSK	12	7		21.47	21.55	21.40	23	1
5	QPSK	12	13		21.38	21.47	21.36		
5	QPSK	25	0		21.40	21.50	21.38		
5	16QAM	1	0		21.38	21.49	21.40		
5	16QAM	1	12		21.40	21.44	21.36	23	1
5	16QAM	1	24		21.13	21.22	21.16		
5	16QAM	12	0		20.46	20.51	20.43		
5	16QAM	12	7		20.40	20.46	20.42	22	2
5	16QAM	12	13		20.50	20.62	20.57		
5	16QAM	25	0		20.44	20.50	20.47		
5	64QAM	1	0		20.53	20.58	20.51		
5	64QAM	1	12		20.47	20.54	20.46	22	2
5	64QAM	1	24		20.40	20.48	20.44		
5	64QAM	12	0		19.30	19.44	19.38		
5	64QAM	12	7		19.32	19.43	19.33	21	3
5	64QAM	12	13		19.45	19.55	19.40		
5	64QAM	25	0		19.49	19.54	19.47		

Band 17 Ant0 EC12									
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				23760					
Frequency (MHz)				709					
10	QPSK	1	0		22.51	22.62	22.58		
10	QPSK	1	25		22.46	22.52	22.43	24	0
10	QPSK	1	49		22.36	22.50	22.43		
10	QPSK	25	0		21.50	21.57	21.42		
10	QPSK	25	12		21.49	21.50	21.41	23	1
10	QPSK	25	25		21.32	21.46	21.43		
10	QPSK	50	0		21.42	21.52	21.36		
10	16QAM	1	0		21.43	21.41	21.41		
10	16QAM	1	25		21.20	21.37	21.30	23	1
10	16QAM	1	49		21.19	21.27	21.19		
10	16QAM	25	0		20.51	20.51	20.49		
10	16QAM	25	12		20.46	20.46	20.35	22	2
10	16QAM	25	25		20.41	20.55	20.45		
10	16QAM	50	0		20.41	20.51	20.42		
10	64QAM	1	0		20.44	20.57	20.41		
10	64QAM	1	25		20.44	20.55	20.39	22	2
10	64QAM	1	49		20.46	20.44	20.40		
10	64QAM	25	0		19.51	19.49	19.40		
10	64QAM	25	12		19.32	19.43	19.40	21	3
10	64QAM	25	25		19.35	19.47	19.28		
10	64QAM	50	0		19.40	19.46	19.47		
Channel				23765	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0		22.47	22.54	22.50		
5	QPSK	1	12		22.35	22.48	22.34	24	0
5	QPSK	1	24		22.32	22.39	22.30		
5	QPSK	12	0		21.43	21.50	21.29		
5	QPSK	12	7		21.42	21.43	21.36	23	1
5	QPSK	12	13		21.25	21.34	21.31		
5	QPSK	25	0		21.39	21.48	21.30		
5	16QAM	1	0		21.31	21.29	21.30		
5	16QAM	1	12		21.07	21.32	21.16	23	1
5	16QAM	1	24		21.08	21.12	21.14		
5	16QAM	12	0		20.41	20.39	20.41		
5	16QAM	12	7		20.36	20.36	20.30	22	2
5	16QAM	12	13		20.33	20.52	20.35		
5	16QAM	25	0		20.37	20.38	20.37		
5	64QAM	1	0		20.34	20.49	20.35		
5	64QAM	1	12		20.32	20.49	20.32	22	2
5	64QAM	1	24		20.43	20.30	20.29		
5	64QAM	12	0		19.39	19.40	19.34		
5	64QAM	12	7		19.19	19.30	19.26	21	3
5	64QAM	12	13		19.28	19.41	19.15		
5	64QAM	25	0		19.36	19.43	19.39		



Band 7 Ant1 ECI2									
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	22.93	23.04	22.97			
20	QPSK	1	49	22.91	22.96	22.86	24	0	
20	QPSK	1	99	22.76	22.91	22.77			
20	QPSK	50	0	21.91	22.01	21.87			
20	QPSK	50	24	21.85	21.95	21.85	23	1	
20	QPSK	50	50	21.80	21.90	21.77			
20	QPSK	100	0	21.86	21.96	21.90			
20	16QAM	1	0	21.99	22.07	21.98			
20	16QAM	1	49	21.94	22.01	21.94	23	1	
20	16QAM	1	99	21.85	21.97	21.93			
20	16QAM	50	0	21.03	21.09	21.03			
20	16QAM	50	24	20.96	21.01	20.93	22	2	
20	16QAM	50	50	21.01	21.05	21.02			
20	16QAM	100	0	20.87	21.01	20.89			
20	64QAM	1	0	20.98	21.03	20.93			
20	64QAM	1	49	20.91	20.97	20.88	22	2	
20	64QAM	1	99	20.86	20.93	20.80			
20	64QAM	50	0	19.96	20.04	19.96			
20	64QAM	50	24	19.91	19.95	19.83	21	3	
20	64QAM	50	50	19.97	20.00	19.91			
20	64QAM	100	0	19.93	19.98	19.89			
Channel				2092.5	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.82	22.93	22.89			
15	QPSK	1	37	22.80	22.82	22.77	24	0	
15	QPSK	1	74	22.62	22.76	22.64			
15	QPSK	36	0	21.80	21.86	21.77			
15	QPSK	36	20	21.78	21.91	21.76	23	1	
15	QPSK	36	39	21.71	21.79	21.67			
15	QPSK	75	0	21.72	21.82	21.77			
15	16QAM	1	0	21.95	21.99	21.89			
15	16QAM	1	37	21.87	21.87	21.85	23	1	
15	16QAM	1	74	21.81	21.91	21.82			
15	16QAM	36	0	20.91	21.03	20.91			
15	16QAM	36	20	20.89	20.91	20.89	22	2	
15	16QAM	36	39	20.89	21.01	20.95			
15	16QAM	75	0	20.75	20.95	20.83			
15	64QAM	1	0	20.89	20.91	20.88			
15	64QAM	1	37	20.83	20.90	20.82	22	2	
15	64QAM	1	74	20.78	20.79	20.72			
15	64QAM	36	0	19.85	19.90	19.82			
15	64QAM	36	20	19.83	19.91	19.73	21	3	
15	64QAM	36	39	19.90	19.96	19.83			
15	64QAM	75	0	19.79	19.86	19.81			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.81	22.94	22.92			
10	QPSK	1	25	22.77	22.93	22.74	24	0	
10	QPSK	1	49	22.64	22.77	22.67			
10	QPSK	25	0	21.96	21.92	21.76			
10	QPSK	25	12	21.73	21.90	21.81	23	1	
10	QPSK	25	25	21.71	21.77	21.70			
10	QPSK	50	0	21.74	21.91	21.84			
10	16QAM	1	0	21.92	22.01	21.92			
10	16QAM	1	25	21.86	21.98	21.80	23	1	
10	16QAM	1	49	21.77	21.87	21.86			
10	16QAM	25	0	20.95	21.01	20.95			
10	16QAM	25	12	20.89	20.88	20.86	22	2	
10	16QAM	25	25	20.97	20.93	20.97			
10	16QAM	50	0	20.74	20.93	20.80			
10	64QAM	1	0	20.92	20.94	20.83			
10	64QAM	1	25	20.84	20.91	20.76	22	2	
10	64QAM	1	49	20.83	20.90	20.73			
10	64QAM	25	0	19.91	19.93	19.83			
10	64QAM	25	12	19.84	19.83	19.78	21	3	
10	64QAM	25	25	19.83	19.87	19.85			
10	64QAM	50	0	19.81	19.84	19.78			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.85	22.96	22.93			
5	QPSK	1	12	22.87	22.92	22.76	24	0	
5	QPSK	1	24	22.68	22.86	22.73			
5	QPSK	12	0	21.82	21.91	21.75			
5	QPSK	12	7	21.81	21.83	21.74	23	1	
5	QPSK	12	13	21.71	21.78	21.63			
5	QPSK	25	0	21.72	21.85	21.86			
5	16QAM	1	0	21.94	21.97	21.89			
5	16QAM	1	12	21.84	21.87	21.86	23	1	
5	16QAM	1	24	21.72	21.91	21.85			
5	16QAM	12	0	20.93	21.01	20.90			
5	16QAM	12	7	20.93	20.96	20.78	22	2	
5	16QAM	12	13	20.90	20.91	20.96			
5	16QAM	25	0	20.73	20.94	20.83			
5	64QAM	1	0	20.86	20.92	20.85			
5	64QAM	1	12	20.87	20.94	20.78	22	2	
5	64QAM	1	24	20.78	20.82	20.75			
5	64QAM	12	0	19.80	19.84	19.81			
5	64QAM	12	7	19.82	19.82	19.73	21	3	
5	64QAM	12	13	19.82	19.92	19.82			
5	64QAM	25	0	19.86	19.87	19.79			



Band 42 FCC Part27Q ECI2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.87	15.99	15.81	17.5	0
20	QPSK	1	49	15.86	15.91	15.79		
20	QPSK	1	99	15.87	15.92	15.81		
20	QPSK	50	0	15.87	15.83	15.81	17.5	0
20	QPSK	50	24	15.84	15.92	15.82		
20	QPSK	50	50	15.83	15.92	15.82		
20	QPSK	100	0	15.87	15.92	15.82	17.5	0
20	16QAM	1	0	15.85	15.95	15.78		
20	16QAM	1	49	15.83	15.92	15.79		
20	16QAM	1	99	15.85	15.92	15.82	17.5	0
20	16QAM	50	0	15.84	15.96	15.82		
20	16QAM	50	24	15.86	15.95	15.81		
20	16QAM	50	50	15.88	15.90	15.82	17.5	0
20	16QAM	100	0	15.85	15.95	15.80		
20	64QAM	1	0	15.84	15.96	15.82		
20	64QAM	1	49	15.83	15.94	15.83	17.5	0
20	64QAM	1	99	15.85	15.92	15.82		
20	64QAM	50	0	15.88	15.95	15.82		
20	64QAM	50	24	15.84	15.91	15.81	17.5	0
20	64QAM	50	50	15.89	15.94	15.78		
20	64QAM	100	0	15.86	15.95	15.81		
Channel				42165	42990	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	15.78	15.82	15.70	17.5	0
15	QPSK	1	37	15.75	15.86	15.71		
15	QPSK	1	74	15.75	15.85	15.70		
15	QPSK	36	0	15.74	15.80	15.68	17.5	0
15	QPSK	36	20	15.77	15.86	15.68		
15	QPSK	36	39	15.78	15.82	15.73		
15	QPSK	75	0	15.75	15.85	15.71	17.5	0
15	16QAM	1	0	15.77	15.80	15.71		
15	16QAM	1	37	15.77	15.85	15.69		
15	16QAM	1	74	15.74	15.82	15.73	17.5	0
15	16QAM	36	0	15.77	15.83	15.71		
15	16QAM	36	20	15.76	15.80	15.72		
15	16QAM	36	39	15.73	15.81	15.70	17.5	0
15	16QAM	75	0	15.79	15.86	15.70		
15	64QAM	1	0	15.74	15.86	15.74		
15	64QAM	1	37	15.74	15.83	15.72	17.5	0
15	64QAM	1	74	15.74	15.86	15.71		
15	64QAM	36	0	15.77	15.82	15.72		
15	64QAM	36	20	15.78	15.86	15.68	17.5	0
15	64QAM	36	39	15.73	15.81	15.73		
15	64QAM	75	0	15.75	15.82	15.72		
Channel				42140	42990	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	15.77	15.86	15.68	17.5	0
10	QPSK	1	25	15.73	15.81	15.70		
10	QPSK	1	49	15.77	15.83	15.74		
10	QPSK	25	0	15.76	15.82	15.72	17.5	0
10	QPSK	25	12	15.77	15.83	15.72		
10	QPSK	25	25	15.75	15.84	15.70		
10	QPSK	50	0	15.74	15.83	15.73	17.5	0
10	16QAM	1	0	15.79	15.85	15.70		
10	16QAM	1	25	15.77	15.82	15.70		
10	16QAM	1	49	15.77	15.85	15.72	17.5	0
10	16QAM	25	0	15.74	15.83	15.72		
10	16QAM	25	12	15.79	15.84	15.74		
10	16QAM	25	25	15.73	15.86	15.68	17.5	0
10	16QAM	50	0	15.74	15.81	15.69		
10	64QAM	1	0	15.78	15.81	15.72		
10	64QAM	1	25	15.78	15.86	15.74	17.5	0
10	64QAM	1	49	15.78	15.85	15.68		
10	64QAM	25	0	15.78	15.84	15.68		
10	64QAM	25	12	15.79	15.83	15.70	17.5	0
10	64QAM	25	25	15.76	15.85	15.70		
10	64QAM	50	0	15.78	15.83	15.71		
Channel				42115	42990	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	15.79	15.86	15.70	17.5	0
5	QPSK	1	12	15.75	15.81	15.71		
5	QPSK	1	24	15.76	15.83	15.69		
5	QPSK	12	0	15.78	15.83	15.70	17.5	0
5	QPSK	12	7	15.79	15.82	15.73		
5	QPSK	12	13	15.74	15.85	15.71		
5	QPSK	25	0	15.76	15.84	15.70	17.5	0
5	16QAM	1	0	15.74	15.84	15.68		
5	16QAM	1	12	15.73	15.86	15.73		
5	16QAM	1	24	15.73	15.83	15.69	17.5	0
5	16QAM	12	0	15.76	15.82	15.73		
5	16QAM	12	7	15.73	15.84	15.71		
5	16QAM	12	13	15.75	15.82	15.74	17.5	0
5	16QAM	25	0	15.76	15.83	15.70		
5	64QAM	1	0	15.77	15.83	15.72		
5	64QAM	1	12	15.74	15.84	15.74	17.5	0
5	64QAM	1	24	15.76	15.84	15.71		
5	64QAM	12	0	15.79	15.81	15.73		
5	64QAM	12	7	15.73	15.81	15.72	17.5	0
5	64QAM	12	13	15.78	15.81	15.68		
5	64QAM	25	0	15.75	15.85	15.70		



ECI3 Power

GSM850 Ant0 ECI3								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	31.00	824.2	836.4	848.8	22.00
GSM 1 Tx slot	30.29	30.18	30.22	31.00	21.29	21.18	21.22	22.00
GPRS 1 Tx slot	30.40	30.26	30.27	31.00	21.40	21.26	21.27	22.00
GPRS 2 Tx slots	29.42	29.24	29.30	30.50	23.42	23.24	23.30	24.50
GPRS 3 Tx slots	27.37	27.24	27.27	28.50	23.11	22.98	23.01	24.24
GPRS 4 Tx slots	26.21	26.22	26.12	27.50	23.21	23.22	23.12	24.50
EDGE 1 Tx slot	27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50
EDGE 2 Tx slots	26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00
EDGE 3 Tx slots	23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74
EDGE 4 Tx slots	22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50

GSM1900 Ant0 ECI3								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	23.50	1850.2	1880	1909.8	14.50
GSM 1 Tx slot	22.69	22.72	22.46	23.50	13.69	13.72	13.46	14.50
GPRS 1 Tx slot	22.70	22.73	22.62	23.50	13.70	13.73	13.62	14.50
GPRS 2 Tx slots	21.65	21.78	21.81	22.50	15.65	15.78	15.81	16.50
GPRS 3 Tx slots	19.57	19.62	19.47	20.50	15.31	15.36	15.21	16.24
GPRS 4 Tx slots	18.46	18.50	18.30	19.50	15.46	15.50	15.30	16.50
EDGE 1 Tx slot	22.56	22.45	22.38	23.50	13.56	13.45	13.38	14.50
EDGE 2 Tx slots	21.41	21.03	21.05	22.00	15.41	15.03	15.05	16.00
EDGE 3 Tx slots	19.40	19.36	19.23	20.00	15.14	15.10	14.97	15.74
EDGE 4 Tx slots	18.06	18.30	18.12	19.00	15.06	15.30	15.12	16.00

Band	WCDMA II Ant0 ECI3			Tune-up Limit (dBm)	WCDMA IV Ant0 ECI3			Tune-up Limit (dBm)	WCDMA V Ant0 ECI3			Tune-up Limit (dBm)
	9262	9360	9398		1312	1413	1513		4192	4182	4238	
Rx Channel	9682	8990	8938	1637	1638	1738	4357	4407	4458			
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99 AMR 12.2Kbps	15.68	15.73	15.70	17.00	16.68	16.73	16.70	18.00	21.83	21.98	21.87	23.00
3GPP Rel 99 RMC 12.2Kbps	15.70	15.76	15.71	17.00	16.69	16.74	16.71	18.00	21.85	21.99	21.89	23.00
3GPP Rel 6 HSDPA Subtest-1	14.67	14.81	14.67	16.00	15.81	15.82	15.70	17.00	20.90	20.85	20.84	22.00
3GPP Rel 6 HSDPA Subtest-2	14.57	14.68	14.65	16.00	15.55	15.68	15.57	17.00	20.81	20.81	20.84	22.00
3GPP Rel 6 HSDPA Subtest-3	14.17	14.30	14.28	15.50	15.25	15.33	15.22	16.50	20.32	20.27	20.32	21.50
3GPP Rel 6 HSDPA Subtest-4	14.16	14.23	14.18	15.50	15.07	15.20	15.09	16.50	20.12	20.20	20.23	21.50
3GPP Rel 8 DC-HSDPA Subtest-1	14.69	14.69	14.67	16.00	15.65	15.65	15.77	17.00	20.91	20.73	20.79	22.00
3GPP Rel 8 DC-HSDPA Subtest-2	14.49	14.68	14.55	16.00	15.66	15.88	15.60	17.00	20.69	20.82	20.76	22.00
3GPP Rel 8 DC-HSDPA Subtest-3	14.11	14.34	14.09	15.50	15.13	15.19	15.27	16.50	20.19	20.28	20.29	21.50
3GPP Rel 8 DC-HSDPA Subtest-4	14.01	14.17	14.13	15.50	14.95	15.06	15.04	16.50	20.12	20.18	20.18	21.50
3GPP Rel 6 HSUPA Subtest-1	14.61	14.76	14.63	16.00	15.65	15.66	15.60	17.00	20.74	20.64	20.76	22.00
3GPP Rel 6 HSUPA Subtest-2	12.65	12.82	12.72	14.00	13.65	13.72	13.66	15.00	18.78	18.84	18.88	20.00
3GPP Rel 6 HSUPA Subtest-3	13.75	13.89	13.68	15.00	14.78	14.73	14.85	16.00	20.03	19.95	19.92	21.00
3GPP Rel 6 HSUPA Subtest-4	12.54	12.78	12.60	14.00	13.63	13.80	13.69	15.00	18.77	18.74	18.73	20.00
3GPP Rel 6 HSUPA Subtest-5	14.66	14.84	14.64	16.00	15.64	15.75	15.63	17.00	20.76	20.92	20.86	22.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	12.30	12.35	12.13	13.50	13.30	13.40	13.35	14.50	18.29	18.60	18.35	19.50



Band 25 Ant0 EC13

Table with 9 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).

Band 26 Ant0 EC13

Table with 9 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).

Band 66 Ant0 EC13

Table with 9 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-tables for Channel and Frequency (MHz).



Band 7 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR		
				Low	Middle	High				
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	limit (dBm)	(dB)		
Frequency (MHz)				2050	2100	2150				
20	QPSK	1	0	19.10	19.18	19.05	20	0		
20	QPSK	1	49	18.88	18.94	18.78				
20	QPSK	1	99	18.78	18.85	19.01				
20	QPSK	50	0	19.05	19.11	18.98	20	0		
20	QPSK	50	24	18.87	18.91	18.84				
20	QPSK	50	50	18.85	18.95	18.83				
20	QPSK	100	0	18.96	19.09	19.00	20	0		
20	16QAM	1	0	18.68	18.66	18.85				
20	16QAM	1	49	18.95	19.07	18.57				
20	16QAM	1	99	18.87	18.75	18.64				
20	16QAM	50	0	18.63	18.85	18.71	20	0		
20	16QAM	50	24	18.76	18.86	18.84				
20	16QAM	50	50	18.74	18.54	18.76				
20	16QAM	100	0	18.67	18.76	18.58	20	0		
20	64QAM	1	0	18.75	18.82	18.62				
20	64QAM	1	49	18.74	18.67	18.64				
20	64QAM	1	99	18.78	18.76	18.73				
20	64QAM	50	0	18.79	18.93	18.68	20	0		
20	64QAM	50	24	18.66	18.67	18.65				
20	64QAM	50	50	18.69	18.88	18.67				
20	64QAM	100	0	18.81	18.80	18.73	20	0		
Channel				20923.2	21098.2	21373.2			Tune-up	MPR
Frequency (MHz)				2506.7	2533.2	2560.7				
15	QPSK	1	0	18.90	18.89	18.75	20	0		
15	QPSK	1	37	18.73	18.90	18.73				
15	QPSK	1	74	18.71	18.60	18.96				
15	QPSK	36	0	18.96	18.98	18.90	20	0		
15	QPSK	36	20	18.79	18.81	18.60				
15	QPSK	36	39	18.70	18.59	18.94				
15	QPSK	75	0	18.82	18.94	18.96	20	0		
15	16QAM	1	0	18.79	18.90	18.79				
15	16QAM	1	37	18.70	18.82	18.68				
15	16QAM	1	74	18.73	18.54	18.83	20	0		
15	16QAM	36	0	18.58	18.68	18.61				
15	16QAM	36	20	18.61	18.83	18.69				
15	16QAM	36	39	18.60	18.43	18.75	20	0		
15	16QAM	75	0	18.61	18.63	18.57				
15	64QAM	1	0	18.67	18.66	18.47				
15	64QAM	1	37	18.66	18.50	18.56	20	0		
15	64QAM	1	74	18.71	18.57	18.60				
15	64QAM	36	0	18.62	18.85	18.55				
15	64QAM	36	20	18.61	18.54	18.53	20	0		
15	64QAM	36	39	18.58	18.82	18.51				
15	64QAM	75	0	18.77	18.69	18.73				
Channel				20788.2	21098.2	21398.2	Tune-up	MPR		
Frequency (MHz)				2503.2	2533.2	2563.2				
10	QPSK	1	0	18.79	18.96	18.74	20	0		
10	QPSK	1	25	18.72	18.83	18.67				
10	QPSK	1	49	18.72	18.46	18.88				
10	QPSK	25	0	18.94	18.87	18.82	20	0		
10	QPSK	25	12	18.57	18.85	18.58				
10	QPSK	25	25	18.66	18.84	18.50				
10	QPSK	50	0	18.93	18.89	18.86	20	0		
10	16QAM	1	0	18.54	18.61	18.75				
10	16QAM	1	25	18.88	18.88	18.40				
10	16QAM	1	49	18.77	18.74	18.64	20	0		
10	16QAM	25	0	18.55	18.69	18.69				
10	16QAM	25	12	18.61	18.83	18.79				
10	16QAM	25	25	18.61	18.49	18.66	20	0		
10	16QAM	50	0	18.49	18.61	18.51				
10	64QAM	1	0	18.65	18.73	18.48				
10	64QAM	1	25	18.66	18.60	18.57	20	0		
10	64QAM	1	49	18.69	18.67	18.57				
10	64QAM	25	0	18.60	18.77	18.65				
10	64QAM	25	12	18.55	18.55	18.60	20	0		
10	64QAM	25	25	18.52	18.88	18.62				
10	64QAM	50	0	18.67	18.73	18.73				
Channel				20773.2	21098.2	21423.2	Tune-up	MPR		
Frequency (MHz)				2500.7	2533.2	2565.7				
5	QPSK	1	0	18.90	18.99	18.82	20	0		
5	QPSK	1	12	18.86	18.83	18.77				
5	QPSK	1	24	18.63	18.66	18.99				
5	QPSK	12	0	18.83	18.91	18.93	20	0		
5	QPSK	12	7	18.52	18.89	18.44				
5	QPSK	12	13	18.71	18.94	18.53				
5	QPSK	25	0	18.89	18.89	18.90	20	0		
5	16QAM	1	0	18.67	18.48	18.66				
5	16QAM	1	12	18.76	18.88	18.39				
5	16QAM	1	24	18.72	18.72	18.52	20	0		
5	16QAM	12	0	18.62	18.74	18.66				
5	16QAM	12	7	18.59	18.72	18.72				
5	16QAM	12	13	18.68	18.39	18.68	20	0		
5	16QAM	25	0	18.58	18.59	18.47				
5	64QAM	1	0	18.61	18.65	18.49				
5	64QAM	1	12	18.70	18.54	18.55	20	0		
5	64QAM	1	24	18.67	18.76	18.72				
5	64QAM	12	0	18.76	18.75	18.64				
5	64QAM	12	7	18.54	18.58	18.52	20	0		
5	64QAM	12	13	18.58	18.71	18.62				
5	64QAM	25	0	18.78	18.65	18.53				



Band 42 FCC Part27Q ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	15.87	15.99	15.81	17.5	0
20	QPSK	1	49	15.86	15.91	15.79		
20	QPSK	1	99	15.87	15.92	15.81		
20	QPSK	50	0	15.87	15.83	15.81	17.5	0
20	QPSK	50	24	15.84	15.92	15.82		
20	QPSK	50	50	15.83	15.92	15.82		
20	QPSK	100	0	15.87	15.92	15.82	17.5	0
20	16QAM	1	0	15.85	15.95	15.78		
20	16QAM	1	49	15.83	15.92	15.79		
20	16QAM	1	99	15.85	15.92	15.82	17.5	0
20	16QAM	50	0	15.84	15.96	15.82		
20	16QAM	50	24	15.86	15.95	15.81		
20	16QAM	50	50	15.88	15.90	15.82	17.5	0
20	16QAM	100	0	15.85	15.95	15.80		
20	64QAM	1	0	15.84	15.96	15.82		
20	64QAM	1	49	15.83	15.94	15.83	17.5	0
20	64QAM	1	99	15.85	15.92	15.82		
20	64QAM	50	0	15.88	15.95	15.82		
20	64QAM	50	24	15.84	15.91	15.81	17.5	0
20	64QAM	50	50	15.89	15.94	15.78		
20	64QAM	100	0	15.86	15.95	15.81		
Channel				42165	42990	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	15.78	15.82	15.70	17.5	0
15	QPSK	1	37	15.75	15.86	15.71		
15	QPSK	1	74	15.75	15.85	15.70		
15	QPSK	36	0	15.74	15.80	15.68	17.5	0
15	QPSK	36	20	15.77	15.86	15.68		
15	QPSK	36	39	15.78	15.82	15.73		
15	QPSK	75	0	15.75	15.85	15.71	17.5	0
15	16QAM	1	0	15.77	15.80	15.71		
15	16QAM	1	37	15.77	15.85	15.69		
15	16QAM	1	74	15.74	15.82	15.73	17.5	0
15	16QAM	36	0	15.77	15.83	15.71		
15	16QAM	36	20	15.76	15.80	15.72		
15	16QAM	36	39	15.73	15.81	15.70	17.5	0
15	16QAM	75	0	15.79	15.86	15.70		
15	64QAM	1	0	15.74	15.86	15.74		
15	64QAM	1	37	15.74	15.83	15.72	17.5	0
15	64QAM	1	74	15.74	15.86	15.71		
15	64QAM	36	0	15.77	15.82	15.72		
15	64QAM	36	20	15.78	15.86	15.68	17.5	0
15	64QAM	36	39	15.73	15.81	15.73		
15	64QAM	75	0	15.75	15.82	15.72		
Channel				42140	42990	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	15.77	15.86	15.68	17.5	0
10	QPSK	1	25	15.73	15.81	15.70		
10	QPSK	1	49	15.77	15.83	15.74		
10	QPSK	25	0	15.76	15.82	15.72	17.5	0
10	QPSK	25	12	15.77	15.83	15.72		
10	QPSK	25	25	15.75	15.84	15.70		
10	QPSK	50	0	15.74	15.83	15.73	17.5	0
10	16QAM	1	0	15.79	15.85	15.70		
10	16QAM	1	25	15.77	15.82	15.70		
10	16QAM	1	49	15.77	15.85	15.72	17.5	0
10	16QAM	25	0	15.74	15.83	15.72		
10	16QAM	25	12	15.79	15.84	15.74		
10	16QAM	25	25	15.73	15.86	15.68	17.5	0
10	16QAM	50	0	15.74	15.81	15.69		
10	64QAM	1	0	15.78	15.81	15.72		
10	64QAM	1	25	15.78	15.86	15.74	17.5	0
10	64QAM	1	49	15.78	15.85	15.68		
10	64QAM	25	0	15.78	15.84	15.68		
10	64QAM	25	12	15.79	15.83	15.70	17.5	0
10	64QAM	25	25	15.76	15.85	15.70		
10	64QAM	50	0	15.78	15.83	15.71		
Channel				42115	42990	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	15.79	15.86	15.70	17.5	0
5	QPSK	1	12	15.75	15.81	15.71		
5	QPSK	1	24	15.76	15.83	15.69		
5	QPSK	12	0	15.78	15.83	15.70	17.5	0
5	QPSK	12	7	15.79	15.82	15.73		
5	QPSK	12	13	15.74	15.85	15.71		
5	QPSK	25	0	15.76	15.84	15.70	17.5	0
5	16QAM	1	0	15.74	15.84	15.68		
5	16QAM	1	12	15.73	15.86	15.73		
5	16QAM	1	24	15.73	15.83	15.69	17.5	0
5	16QAM	12	0	15.76	15.82	15.73		
5	16QAM	12	7	15.73	15.84	15.71		
5	16QAM	12	13	15.75	15.82	15.74	17.5	0
5	16QAM	25	0	15.76	15.83	15.70		
5	64QAM	1	0	15.77	15.83	15.72		
5	64QAM	1	12	15.74	15.84	15.74	17.5	0
5	64QAM	1	24	15.76	15.84	15.71		
5	64QAM	12	0	15.79	15.81	15.73		
5	64QAM	12	7	15.73	15.81	15.72	17.5	0
5	64QAM	12	13	15.78	15.81	15.68		
5	64QAM	25	0	15.75	15.85	15.70		



ECI4 Power

GSM850 Ant0 Default									
GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8	34.00	824.2	836.4	848.8	25.00	
Frequency (MHz)	33.17	33.19	33.08	34.00	24.17	24.19	24.08	25.00	
GSM 1 Tx slot	33.15	33.18	33.07	34.00	24.15	24.18	24.07	25.00	
GPRS 1 Tx slots	32.12	32.23	32.07	33.50	26.12	26.23	26.07	27.50	
GPRS 2 Tx slots	30.32	30.44	30.43	31.50	26.06	26.18	26.17	27.24	
GPRS 3 Tx slots	29.28	29.32	29.12	30.50	26.26	26.32	26.12	27.50	
GPRS 4 Tx slots	27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50	
EDGE 1 Tx slot	26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00	
EDGE 2 Tx slots	23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74	
EDGE 3 Tx slots	22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50	
EDGE 4 Tx slots									
GSM1900 Ant0 Default									
GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50	
Frequency (MHz)	29.55	29.58	29.46	30.50	20.55	20.58	20.46	21.50	
GSM 1 Tx slot	29.53	29.56	29.45	30.50	20.53	20.56	20.45	21.50	
GPRS 1 Tx slot	28.48	28.61	28.44	29.50	22.48	22.61	22.44	23.50	
GPRS 2 Tx slots	26.40	26.45	26.30	27.50	22.14	22.19	22.04	23.24	
GPRS 3 Tx slots	25.29	25.33	25.13	26.50	22.29	22.33	22.13	23.50	
GPRS 4 Tx slots	25.42	25.31	25.24	26.50	16.42	16.31	16.24	17.50	
EDGE 1 Tx slot	24.27	23.89	23.91	25.00	18.27	17.89	17.91	19.00	
EDGE 2 Tx slots	22.26	21.83	21.84	23.00	18.00	17.57	17.58	18.74	
EDGE 3 Tx slots	20.92	20.80	20.78	22.00	17.92	17.80	17.78	19.00	
EDGE 4 Tx slots									
WCDMA II Ant0 Default									
Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
TX Channel	9562	9900	9935	1537	1633	1733	20.00		
Frequency (MHz)	1852.4	1890	1907.6	1712.4	1732.6	1752.6	20.00		
3GPP Rel 99	AMR 12.2Kbps	22.54	22.61	22.52	24.00	22.65	22.75	22.67	
3GPP Rel 99	RMC 12.2Kbps	22.57	22.65	22.62	24.00	22.68	22.77	22.70	
3GPP Rel 6	HSDPA Subtest-1	21.56	21.71	21.59	23.00	21.72	21.87	21.66	
3GPP Rel 6	HSDPA Subtest-2	21.56	21.57	21.54	23.00	21.65	21.73	21.63	
3GPP Rel 6	HSDPA Subtest-3	21.08	21.19	21.11	22.50	21.18	21.31	21.24	
3GPP Rel 6	HSDPA Subtest-4	21.00	21.06	21.06	22.50	21.06	21.12	21.15	
3GPP Rel 8	DC-HSDPA Subtest-1	21.55	21.65	21.57	23.00	21.69	21.72	21.70	
3GPP Rel 8	DC-HSDPA Subtest-2	21.44	21.63	21.47	23.00	21.59	21.78	21.56	
3GPP Rel 8	DC-HSDPA Subtest-3	20.99	21.17	21.06	22.50	21.09	21.27	21.23	
3GPP Rel 8	DC-HSDPA Subtest-4	20.97	21.07	20.98	22.50	21.05	21.15	21.05	
3GPP Rel 6	HSPA Subtest-1	21.44	21.59	21.54	23.00	21.59	21.66	21.62	
3GPP Rel 6	HSPA Subtest-2	19.57	19.69	19.58	21.00	19.65	19.79	19.73	
3GPP Rel 6	HSPA Subtest-3	20.70	20.73	20.68	22.00	20.83	20.79	20.81	
3GPP Rel 6	HSPA Subtest-4	19.48	19.60	19.47	21.00	19.57	19.73	19.60	
3GPP Rel 6	HSPA Subtest-5	21.47	21.64	21.52	23.00	21.56	21.75	21.67	
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.11	19.31	19.13	20.50	19.24	19.37	19.27	
WCDMA V Ant0 Default									
Band	WCDMA V			Tune-up Limit (dBm)					
	4192	4182	4238						
TX Channel	4357	4407	4455	20.00					
Frequency (MHz)	826.4	836.4	846.6	20.00					
3GPP Rel 99	AMR 12.2Kbps	22.78	22.88	22.83	24.00				
3GPP Rel 99	RMC 12.2Kbps	22.85	22.93	22.88	24.00				
3GPP Rel 6	HSDPA Subtest-1	21.87	21.94	21.80	23.00				
3GPP Rel 6	HSDPA Subtest-2	21.76	21.81	21.75	23.00				
3GPP Rel 6	HSDPA Subtest-3	21.33	21.36	21.34	22.50				
3GPP Rel 6	HSDPA Subtest-4	21.13	21.28	21.24	22.50				
3GPP Rel 8	DC-HSDPA Subtest-1	21.81	21.80	21.82	23.00				
3GPP Rel 8	DC-HSDPA Subtest-2	21.72	21.89	21.73	23.00				
3GPP Rel 8	DC-HSDPA Subtest-3	21.25	21.38	21.30	22.50				
3GPP Rel 8	DC-HSDPA Subtest-4	21.16	21.22	21.11	22.50				
3GPP Rel 6	HSPA Subtest-1	21.58	21.72	21.73	23.00				
3GPP Rel 6	HSPA Subtest-2	19.72	19.85	19.83	21.00				
3GPP Rel 6	HSPA Subtest-3	20.96	20.86	20.95	22.00				
3GPP Rel 6	HSPA Subtest-4	19.69	19.83	19.65	21.00				
3GPP Rel 6	HSPA Subtest-5	21.66	21.89	21.82	23.00				
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.35	19.52	19.37	20.50				



Band 7 Ant1 Default									
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	22.93	23.04	22.97	24	0	
20	QPSK	1	49	22.91	22.96	22.86			
20	QPSK	1	99	22.76	22.91	22.77			
20	QPSK	50	0	21.91	22.01	21.87	23	1	
20	QPSK	50	24	21.85	21.95	21.85			
20	QPSK	50	50	21.80	21.90	21.77			
20	QPSK	100	0	21.86	21.96	21.90	23	1	
20	16QAM	1	0	21.99	22.07	21.98			
20	16QAM	1	49	21.84	22.01	21.84			
20	16QAM	1	99	21.85	21.97	21.93	22	2	
20	16QAM	50	0	21.03	21.09	21.03			
20	16QAM	50	24	20.96	21.01	20.93			
20	16QAM	50	50	21.01	21.05	21.02	22	2	
20	16QAM	100	0	20.87	21.01	20.89			
20	64QAM	1	0	20.98	21.03	20.93			
20	64QAM	1	49	20.91	20.97	20.88	21	3	
20	64QAM	1	99	20.86	20.93	20.80			
20	64QAM	50	0	19.96	20.04	19.96			
20	64QAM	50	24	19.91	19.95	19.83	21	3	
20	64QAM	50	50	19.87	20.00	19.91			
20	64QAM	100	0	19.83	19.98	19.89			
Channel				2092.5	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.82	22.93	22.89	24	0	
15	QPSK	1	37	22.80	22.82	22.77			
15	QPSK	1	74	22.62	22.76	22.64			
15	QPSK	36	0	21.80	21.86	21.77	23	1	
15	QPSK	36	20	21.78	21.91	21.76			
15	QPSK	36	39	21.71	21.79	21.67			
15	QPSK	75	0	21.72	21.82	21.77	23	1	
15	16QAM	1	0	21.95	21.99	21.89			
15	16QAM	1	37	21.87	21.87	21.85			
15	16QAM	1	74	21.81	21.91	21.82	22	2	
15	16QAM	36	0	20.91	21.03	20.91			
15	16QAM	36	20	20.89	20.91	20.89			
15	16QAM	36	39	20.89	21.01	20.95	22	2	
15	16QAM	75	0	20.75	20.95	20.83			
15	64QAM	1	0	20.89	20.91	20.88			
15	64QAM	1	37	20.83	20.90	20.82	21	3	
15	64QAM	1	74	20.78	20.79	20.72			
15	64QAM	36	0	19.85	19.90	19.82			
15	64QAM	36	20	19.83	19.91	19.73	21	3	
15	64QAM	36	39	19.90	19.96	19.83			
15	64QAM	75	0	19.79	19.86	19.81			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.81	22.94	22.92	24	0	
10	QPSK	1	25	22.77	22.93	22.74			
10	QPSK	1	49	22.64	22.77	22.67			
10	QPSK	25	0	21.96	21.92	21.76	23	1	
10	QPSK	25	12	21.73	21.90	21.81			
10	QPSK	25	25	21.71	21.77	21.70			
10	QPSK	50	0	21.74	21.91	21.84	23	1	
10	16QAM	1	0	21.92	22.01	21.92			
10	16QAM	1	25	21.86	21.98	21.80			
10	16QAM	1	49	21.77	21.87	21.86	22	2	
10	16QAM	25	0	20.95	21.01	20.95			
10	16QAM	25	12	20.89	20.88	20.86			
10	16QAM	25	25	20.97	20.93	20.97	22	2	
10	16QAM	50	0	20.74	20.93	20.80			
10	64QAM	1	0	20.92	20.94	20.83			
10	64QAM	1	25	20.84	20.91	20.76	21	3	
10	64QAM	1	49	20.83	20.90	20.73			
10	64QAM	25	0	19.91	19.93	19.83			
10	64QAM	25	12	19.84	19.83	19.78	21	3	
10	64QAM	25	25	19.83	19.87	19.85			
10	64QAM	50	0	19.81	19.84	19.78			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.85	22.96	22.93	24	0	
5	QPSK	1	12	22.87	22.92	22.76			
5	QPSK	1	24	22.68	22.86	22.73			
5	QPSK	12	0	21.82	21.91	21.75	23	1	
5	QPSK	12	7	21.81	21.83	21.74			
5	QPSK	12	13	21.71	21.78	21.63			
5	QPSK	25	0	21.72	21.85	21.86	23	1	
5	16QAM	1	0	21.94	21.97	21.89			
5	16QAM	1	12	21.84	21.87	21.86			
5	16QAM	1	24	21.72	21.91	21.85	22	2	
5	16QAM	12	0	20.93	21.01	20.90			
5	16QAM	12	7	20.93	20.96	20.78			
5	16QAM	12	13	20.90	20.91	20.96	22	2	
5	16QAM	25	0	20.73	20.94	20.83			
5	64QAM	1	0	20.86	20.92	20.85			
5	64QAM	1	12	20.87	20.94	20.78	21	3	
5	64QAM	1	24	20.78	20.82	20.75			
5	64QAM	12	0	19.80	19.84	19.81			
5	64QAM	12	7	19.82	19.82	19.73	21	3	
5	64QAM	12	13	19.82	19.92	19.82			
5	64QAM	25	0	19.86	19.87	19.79			



Band 42 FCC Part27Q Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	22.26	22.33	22.21	24	0
20	QPSK	1	49	22.21	22.25	22.14		
20	QPSK	1	99	22.10	22.20	22.08		
20	QPSK	50	0	21.35	21.38	21.25	23	1
20	QPSK	50	24	21.29	21.32	21.17		
20	QPSK	50	50	21.23	21.27	21.13		
20	QPSK	100	0	21.24	21.33	21.28	23	1
20	16QAM	1	0	21.15	21.30	21.24		
20	16QAM	1	49	21.10	21.24	21.16		
20	16QAM	1	99	21.07	21.20	21.14	22	2
20	16QAM	50	0	20.31	20.37	20.32		
20	16QAM	50	24	20.22	20.29	20.17		
20	16QAM	50	50	20.25	20.33	20.29	22	2
20	16QAM	100	0	20.23	20.34	20.29		
20	64QAM	1	0	20.06	20.13	20.01		
20	64QAM	1	49	20.01	20.07	20.00	22	2
20	64QAM	1	99	20.05	20.13	20.09		
20	64QAM	50	0	19.22	19.33	19.23		
20	64QAM	50	24	19.14	19.24	19.13	21	3
20	64QAM	50	50	19.15	19.20	19.13		
20	64QAM	100	0	19.16	19.29	19.23		
Channel				42165	42560	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.20	22.28	22.18	24	0
15	QPSK	1	37	22.13	22.12	22.00		
15	QPSK	1	74	22.02	22.05	22.06		
15	QPSK	36	0	21.26	21.38	21.18	23	1
15	QPSK	36	20	21.16	21.22	21.09		
15	QPSK	36	39	21.18	21.20	21.03		
15	QPSK	75	0	21.20	21.20	21.16	23	1
15	16QAM	1	0	21.10	21.21	21.14		
15	16QAM	1	37	21.00	21.20	21.07		
15	16QAM	1	74	21.01	21.07	21.01	22	2
15	16QAM	36	0	20.28	20.30	20.20		
15	16QAM	36	20	20.13	20.19	20.03		
15	16QAM	36	39	20.14	20.19	20.15	22	2
15	16QAM	75	0	20.11	20.28	20.18		
15	64QAM	1	0	20.15	20.27	20.11		
15	64QAM	1	37	20.10	20.22	20.07	22	2
15	64QAM	1	74	20.15	20.19	20.08		
15	64QAM	36	0	19.10	19.23	19.11		
15	64QAM	36	20	19.10	19.15	19.09	21	3
15	64QAM	36	39	19.03	19.15	19.06		
15	64QAM	75	0	19.11	19.24	19.09		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.19	22.21	22.14	24	0
10	QPSK	1	25	22.11	22.15	22.02		
10	QPSK	1	49	22.01	22.14	22.02		
10	QPSK	25	0	21.22	21.26	21.13	23	1
10	QPSK	25	12	21.24	21.21	21.04		
10	QPSK	25	25	21.15	21.19	21.05		
10	QPSK	50	0	21.15	21.19	21.16	23	1
10	16QAM	1	0	21.03	21.26	21.18		
10	16QAM	1	25	21.04	21.16	21.11		
10	16QAM	1	49	21.03	21.13	21.04	22	2
10	16QAM	25	0	20.17	20.29	20.28		
10	16QAM	25	12	20.12	20.22	20.08		
10	16QAM	25	25	20.15	20.20	20.22	22	2
10	16QAM	50	0	20.15	20.21	20.20		
10	64QAM	1	0	20.18	20.28	20.10		
10	64QAM	1	25	20.06	20.02	20.06	22	2
10	64QAM	1	49	20.07	20.25	20.06		
10	64QAM	25	0	19.16	19.27	19.13		
10	64QAM	25	12	19.02	19.18	19.09	21	3
10	64QAM	25	25	19.07	19.12	19.08		
10	64QAM	50	0	19.12	19.18	19.15		
Channel				42115	42590	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.14	22.29	22.09	24	0
5	QPSK	1	12	22.12	22.16	22.04		
5	QPSK	1	24	22.14	22.17	22.07		
5	QPSK	12	0	21.29	21.33	21.20	23	1
5	QPSK	12	7	21.23	21.19	21.06		
5	QPSK	12	13	21.08	21.13	21.09		
5	QPSK	25	0	21.13	21.20	21.14	23	1
5	16QAM	1	0	21.08	21.21	21.18		
5	16QAM	1	12	21.06	21.30	21.19		
5	16QAM	1	24	21.03	21.11	21.04	22	2
5	16QAM	12	0	20.23	20.27	20.24		
5	16QAM	12	7	20.08	20.23	20.04		
5	16QAM	12	13	20.16	20.22	20.24	22	2
5	16QAM	25	0	20.11	20.29	20.20		
5	64QAM	1	0	20.08	20.18	20.07		
5	64QAM	1	12	20.14	20.16	20.06	22	2
5	64QAM	1	24	20.08	20.20	20.02		
5	64QAM	12	0	19.18	19.28	19.08		
5	64QAM	12	7	19.09	19.11	19.09	21	3
5	64QAM	12	13	19.08	19.17	19.07		
5	64QAM	25	0	19.01	19.26	19.10		



ECI6 Power

GSM850 Ant0 ECI6								
GSM850 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
GSM 1 Tx slot	32.58	32.78	32.50	33.50	23.58	23.78	23.50	24.50
GPRS 1 Tx slot	32.64	32.76	32.59	33.50	23.64	23.76	23.59	24.50
GPRS 2 Tx slots	31.53	31.74	31.53	33.00	25.53	25.74	25.53	27.00
GPRS 3 Tx slots	29.86	29.85	29.86	31.00	25.80	25.59	25.70	26.74
GPRS 4 Tx slots	28.83	28.80	28.85	30.00	25.83	25.90	25.85	27.00
EDGE 1 Tx slot	27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50
EDGE 2 Tx slots	26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00
EDGE 3 Tx slots	23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74
EDGE 4 Tx slots	22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50

GSM1900 Ant0 ECI6								
GSM1900 TX Channel Frequency (MHz)	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM 1 Tx slot	26.96	26.97	26.89	28.00	17.96	17.97	17.89	19.00
GPRS 1 Tx slot	27.03	26.92	26.91	28.00	18.03	17.92	17.91	19.00
GPRS 2 Tx slots	25.81	26.06	25.80	27.00	19.81	20.06	19.80	21.00
GPRS 3 Tx slots	23.87	23.88	23.62	25.00	19.61	19.62	19.36	20.74
GPRS 4 Tx slots	22.65	22.76	22.65	24.00	19.65	19.76	19.65	21.00
EDGE 1 Tx slot	25.42	25.31	25.24	26.50	16.42	16.31	16.24	17.50
EDGE 2 Tx slots	24.27	23.89	23.91	25.00	18.27	17.89	17.91	19.00
EDGE 3 Tx slots	22.26	21.83	21.84	23.00	18.00	17.57	17.58	18.74
EDGE 4 Tx slots	20.92	20.80	20.78	22.00	17.92	17.80	17.78	19.00

Band	WCDMA II Ant0 ECI6			Tune-up Limit (dBm)	WCDMA IV Ant0 ECI6			Tune-up Limit (dBm)	WCDMA V Ant0 ECI6			Tune-up Limit (dBm)	
	9262	9600	9598		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9690	9938	1637	1638	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1807.6	1712.4	1732.6	1792.6	826.4	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	18.06	18.17	18.15	19.50	19.73	19.80	19.75	21.00	22.78	22.88	22.83	24.00
3GPP Rel 99	RMC 12.2Kbps	18.08	18.18	18.17	19.50	19.75	19.81	19.76	21.00	22.85	22.93	22.88	24.00
3GPP Rel 6	HSDPA Subtest-1	16.88	17.14	17.12	18.50	18.77	18.90	18.74	20.00	21.87	21.94	21.80	23.00
3GPP Rel 6	HSDPA Subtest-2	17.02	17.10	16.97	18.50	18.67	18.76	18.60	20.00	21.76	21.81	21.75	23.00
3GPP Rel 6	HSDPA Subtest-3	16.67	16.77	16.70	18.00	18.18	18.27	18.30	19.50	21.33	21.36	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	16.50	16.47	16.59	18.00	18.08	18.18	18.22	19.50	21.13	21.28	21.24	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.00	17.22	17.05	18.50	18.67	18.76	18.73	20.00	21.81	21.80	21.82	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.91	17.22	17.01	18.50	18.68	18.70	18.62	20.00	21.72	21.89	21.73	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.51	16.76	16.62	18.00	18.10	18.33	18.29	19.50	21.25	21.38	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.46	16.53	16.41	18.00	18.13	18.10	18.15	19.50	21.18	21.22	21.11	22.50
3GPP Rel 6	HSUPA Subtest-1	16.96	17.03	17.11	16.50	16.56	16.65	16.55	20.00	21.68	21.72	21.73	23.00
3GPP Rel 6	HSUPA Subtest-2	15.06	15.22	15.11	16.50	16.73	16.84	16.69	18.00	19.72	19.85	19.83	21.00
3GPP Rel 6	HSUPA Subtest-3	16.21	16.24	16.23	17.50	17.82	17.71	17.72	19.00	20.96	20.86	20.95	22.00
3GPP Rel 6	HSUPA Subtest-4	15.04	15.02	15.07	16.50	16.60	16.68	16.67	18.00	19.69	19.83	19.65	21.00
3GPP Rel 6	HSUPA Subtest-5	17.05	17.22	17.06	18.50	18.53	18.79	18.61	20.00	21.66	21.89	21.82	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.60	14.73	14.59	16.00	16.23	16.44	16.30	17.50	19.35	19.52	19.37	20.50



Band 7 Ant1 ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR		
				Low	Middle	High				
Channel				2050	2100	2150	limit (dBm)	(dB)		
Frequency (MHz)				2510	2535	2550				
20	QPSK	1	0	19.10	19.18	19.05	20	0		
20	QPSK	1	49	18.88	18.94	18.78				
20	QPSK	1	99	18.78	18.85	19.01				
20	QPSK	50	0	19.05	19.11	18.98	20	0		
20	QPSK	50	24	18.87	18.91	18.84				
20	QPSK	50	50	18.85	18.95	18.83				
20	QPSK	100	0	18.96	19.09	19.00	20	0		
20	16QAM	1	0	18.68	18.66	18.85				
20	16QAM	1	49	18.95	19.07	18.57				
20	16QAM	1	99	18.87	18.75	18.64				
20	16QAM	50	0	18.63	18.85	18.71	20	0		
20	16QAM	50	24	18.76	18.86	18.84				
20	16QAM	50	50	18.74	18.54	18.76				
20	16QAM	100	0	18.67	18.76	18.58	20	0		
20	64QAM	1	0	18.75	18.82	18.62				
20	64QAM	1	49	18.74	18.67	18.64				
20	64QAM	1	99	18.78	18.76	18.73				
20	64QAM	50	0	18.79	18.93	18.68	20	0		
20	64QAM	50	24	18.66	18.67	18.65				
20	64QAM	50	50	18.69	18.88	18.67				
20	64QAM	100	0	18.81	18.80	18.73	20	0		
Channel				20923.2	21098.2	21373.2			Tune-up	MPR
Frequency (MHz)				2505.7	2533.2	2560.7				
15	QPSK	1	0	18.90	18.89	18.75	20	0		
15	QPSK	1	37	18.73	18.90	18.73				
15	QPSK	1	74	18.71	18.60	18.96				
15	QPSK	36	0	18.96	18.98	18.90	20	0		
15	QPSK	36	20	18.79	18.81	18.60				
15	QPSK	36	39	18.70	18.59	18.94				
15	QPSK	75	0	18.82	18.94	18.96	20	0		
15	16QAM	1	0	18.79	18.90	18.79				
15	16QAM	1	37	18.70	18.82	18.68				
15	16QAM	1	74	18.73	18.54	18.83	20	0		
15	16QAM	36	0	18.58	18.68	18.61				
15	16QAM	36	20	18.61	18.83	18.69				
15	16QAM	36	39	18.60	18.43	18.75	20	0		
15	16QAM	75	0	18.61	18.63	18.57				
15	64QAM	1	0	18.67	18.66	18.47				
15	64QAM	1	37	18.66	18.50	18.56	20	0		
15	64QAM	1	74	18.71	18.57	18.60				
15	64QAM	36	0	18.62	18.85	18.55				
15	64QAM	36	20	18.61	18.54	18.53	20	0		
15	64QAM	36	39	18.58	18.82	18.51				
15	64QAM	75	0	18.77	18.69	18.73				
Channel				20788.2	21098.2	21398.2	Tune-up	MPR		
Frequency (MHz)				2503.2	2533.2	2563.2				
10	QPSK	1	0	18.79	18.96	18.74	20	0		
10	QPSK	1	25	18.72	18.83	18.67				
10	QPSK	1	49	18.72	18.46	18.88				
10	QPSK	25	0	18.94	18.87	18.82	20	0		
10	QPSK	25	12	18.67	18.85	18.58				
10	QPSK	25	25	18.66	18.84	18.50				
10	QPSK	50	0	18.93	18.89	18.86	20	0		
10	16QAM	1	0	18.54	18.61	18.75				
10	16QAM	1	25	18.88	18.88	18.40				
10	16QAM	1	49	18.77	18.74	18.64	20	0		
10	16QAM	25	0	18.55	18.69	18.69				
10	16QAM	25	12	18.61	18.83	18.79				
10	16QAM	25	25	18.61	18.49	18.66	20	0		
10	16QAM	50	0	18.49	18.61	18.51				
10	64QAM	1	0	18.65	18.73	18.48				
10	64QAM	1	25	18.66	18.60	18.57	20	0		
10	64QAM	1	49	18.69	18.67	18.57				
10	64QAM	25	0	18.60	18.77	18.65				
10	64QAM	25	12	18.55	18.55	18.50	20	0		
10	64QAM	25	25	18.52	18.88	18.62				
10	64QAM	50	0	18.67	18.73	18.73				
Channel				20773.2	21098.2	21423.2	Tune-up	MPR		
Frequency (MHz)				2500.7	2533.2	2565.7				
5	QPSK	1	0	18.90	18.99	18.82	20	0		
5	QPSK	1	12	18.86	18.83	18.77				
5	QPSK	1	24	18.63	18.66	18.99				
5	QPSK	12	0	18.83	18.91	18.93	20	0		
5	QPSK	12	7	18.52	18.89	18.44				
5	QPSK	12	13	18.71	18.94	18.53				
5	QPSK	25	0	18.89	18.89	18.90	20	0		
5	16QAM	1	0	18.67	18.48	18.66				
5	16QAM	1	12	18.76	18.88	18.39				
5	16QAM	1	24	18.72	18.72	18.52	20	0		
5	16QAM	12	0	18.62	18.74	18.66				
5	16QAM	12	7	18.59	18.72	18.72				
5	16QAM	12	13	18.68	18.39	18.68	20	0		
5	16QAM	25	0	18.58	18.59	18.47				
5	64QAM	1	0	18.61	18.65	18.49				
5	64QAM	1	12	18.70	18.54	18.55	20	0		
5	64QAM	1	24	18.67	18.76	18.72				
5	64QAM	12	0	18.76	18.75	18.64				
5	64QAM	12	7	18.54	18.58	18.52	20	0		
5	64QAM	12	13	18.58	18.71	18.62				
5	64QAM	25	0	18.78	18.65	18.53				



Band 42 Ant5 FCC Part27Q ECI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				42190	42990	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.81	19.84	19.72	21.5	0	
20	QPSK	1	49	19.62	19.66	19.65			
20	QPSK	1	99	19.74	19.63	19.67			
20	QPSK	50	0	19.75	19.80	19.70	21.5	0	
20	QPSK	50	24	19.55	19.72	19.58			
20	QPSK	50	50	19.55	19.54	19.65			
20	QPSK	100	0	19.63	19.76	19.74	21.5	0	
20	16QAM	1	0	19.64	19.63	19.61			
20	16QAM	1	49	19.65	19.77	19.74			
20	16QAM	1	99	19.82	19.69	19.70	21.5	0	
20	16QAM	50	0	19.60	19.74	19.67			
20	16QAM	50	24	19.57	19.79	19.74			
20	16QAM	50	50	19.64	19.67	19.57	21.5	0	
20	16QAM	100	0	19.57	19.73	19.70			
20	64QAM	1	0	19.55	19.62	19.67			
20	64QAM	1	49	19.65	19.72	19.67	21.5	0	
20	64QAM	1	99	19.56	19.80	19.70			
20	64QAM	50	0	19.22	19.33	19.23			
20	64QAM	50	24	19.14	19.24	19.13	21	0.5	
20	64QAM	50	50	19.15	19.20	19.13			
20	64QAM	100	0	19.16	19.29	19.23			
Channel				42165	42990	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.63	19.80	19.67	21.5	0	
15	QPSK	1	37	19.58	19.63	19.62			
15	QPSK	1	74	19.69	19.51	19.52			
15	QPSK	36	0	19.74	19.83	19.74	21.5	0	
15	QPSK	36	20	19.54	19.63	19.53			
15	QPSK	36	39	19.67	19.77	19.70			
15	QPSK	75	0	19.57	19.66	19.72	21.5	0	
15	16QAM	1	0	19.59	19.72	19.52			
15	16QAM	1	37	19.61	19.79	19.76			
15	16QAM	1	74	19.53	19.54	19.60	21.5	0	
15	16QAM	36	0	19.73	19.75	19.64			
15	16QAM	36	20	19.52	19.77	19.64			
15	16QAM	36	39	19.66	19.70	19.58	21.5	0	
15	16QAM	75	0	19.66	19.70	19.54			
15	64QAM	1	0	19.65	19.70	19.64			
15	64QAM	1	37	19.69	19.57	19.52	21.5	0	
15	64QAM	1	74	19.59	19.67	19.60			
15	64QAM	36	0	19.10	19.23	19.11			
15	64QAM	36	20	19.10	19.15	19.09	21	0.5	
15	64QAM	36	39	19.03	19.15	19.06			
15	64QAM	75	0	19.11	19.24	19.09			
Channel				42140	42990	43040			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	19.83	19.69	19.73	21.5	0	
10	QPSK	1	25	19.52	19.69	19.65			
10	QPSK	1	49	19.66	19.51	19.61			
10	QPSK	25	0	19.72	19.76	19.74	21.5	0	
10	QPSK	25	12	19.60	19.62	19.51			
10	QPSK	25	25	19.53	19.57	19.70			
10	QPSK	50	0	19.50	19.79	19.70	21.5	0	
10	16QAM	1	0	19.60	19.70	19.63			
10	16QAM	1	25	19.50	19.71	19.68			
10	16QAM	1	49	19.56	19.67	19.70	21.5	0	
10	16QAM	25	0	19.62	19.66	19.66			
10	16QAM	25	12	19.79	19.72	19.58			
10	16QAM	25	25	19.64	19.57	19.56	21.5	0	
10	16QAM	50	0	19.54	19.69	19.69			
10	64QAM	1	0	19.59	19.50	19.60			
10	64QAM	1	25	19.55	19.59	19.62	21.5	0	
10	64QAM	1	49	19.61	19.77	19.69			
10	64QAM	25	0	19.16	19.27	19.13			
10	64QAM	25	12	19.02	19.18	19.09	21	0.5	
10	64QAM	25	25	19.07	19.12	19.08			
10	64QAM	50	0	19.12	19.18	19.15			
Channel				42115	42990	43065			
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	19.81	19.67	19.58	21.5	0	
5	QPSK	1	12	19.53	19.63	19.58			
5	QPSK	1	24	19.70	19.54	19.65			
5	QPSK	12	0	19.75	19.68	19.55	21.5	0	
5	QPSK	12	7	19.71	19.67	19.71			
5	QPSK	12	13	19.69	19.72	19.57			
5	QPSK	25	0	19.64	19.76	19.72	21.5	0	
5	16QAM	1	0	19.66	19.75	19.65			
5	16QAM	1	12	19.61	19.62	19.73			
5	16QAM	1	24	19.63	19.59	19.68	21.5	0	
5	16QAM	12	0	19.63	19.68	19.70			
5	16QAM	12	7	19.50	19.78	19.69			
5	16QAM	12	13	19.68	19.69	19.55	21.5	0	
5	16QAM	25	0	19.61	19.65	19.69			
5	64QAM	1	0	19.88	19.67	19.68			
5	64QAM	1	12	19.61	19.72	19.71	21.5	0	
5	64QAM	1	24	19.54	19.67	19.70			
5	64QAM	12	0	19.18	19.28	19.08			
5	64QAM	12	7	19.09	19.11	19.09	21	0.5	
5	64QAM	12	13	19.06	19.17	19.07			
5	64QAM	25	0	19.01	19.26	19.10			



ECI7 Power

GSM850 Ant0 ECI7								
GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8	31.00	824.2	836.4	848.8	22.00
GSM 1 Tx slot	30.29	30.18	30.22	31.00	21.29	21.18	21.22	22.00
GPRS 1 Tx slot	30.40	30.26	30.27	31.00	21.40	21.26	21.27	22.00
GPRS 2 Tx slots	29.42	29.24	29.30	30.50	23.42	23.24	23.30	24.50
GPRS 3 Tx slots	27.37	27.24	27.27	28.50	23.11	22.98	23.01	24.24
GPRS 4 Tx slots	26.21	26.22	26.12	27.50	23.21	23.22	23.12	24.50
EDGE 1 Tx slot	27.32	27.42	27.43	28.50	18.32	18.42	18.43	19.50
EDGE 2 Tx slots	26.17	26.12	26.29	27.00	20.17	20.12	20.29	21.00
EDGE 3 Tx slots	23.86	23.92	23.88	25.00	19.60	19.66	19.62	20.74
EDGE 4 Tx slots	22.40	22.50	22.52	23.50	19.40	19.50	19.52	20.50

GSM1900 Ant0 ECI7								
GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8	23.50	1850.2	1880	1909.8	14.50
GSM 1 Tx slot	22.69	22.72	22.46	23.50	13.69	13.72	13.46	14.50
GPRS 1 Tx slot	22.70	22.73	22.62	23.50	13.70	13.73	13.62	14.50
GPRS 2 Tx slots	21.65	21.78	21.61	22.50	15.65	15.78	15.61	16.50
GPRS 3 Tx slots	19.57	19.62	19.47	20.50	15.31	15.36	15.21	16.24
GPRS 4 Tx slots	18.46	18.50	18.30	19.50	15.46	15.50	15.30	16.50
EDGE 1 Tx slot	22.56	22.45	22.38	23.50	13.56	13.45	13.38	14.50
EDGE 2 Tx slots	21.41	21.03	21.05	22.00	15.41	15.03	15.05	16.00
EDGE 3 Tx slots	19.40	19.36	19.23	20.00	15.14	15.10	14.97	15.74
EDGE 4 Tx slots	18.06	18.30	18.12	19.00	15.06	15.30	15.12	16.00

Band	WCDMA II Ant0 ECI7			Tune-up Limit (dBm)	WCDMA IV Ant0 ECI7			Tune-up Limit (dBm)	WCDMA V Ant0 ECI7			Tune-up Limit (dBm)	
	9262	9600	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9990	9938	1637	1838	1738	4357	4407	4458				
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6	8264	836.4	846.6				
3GPP Rel 99	AMR 12.2Kbps	14.12	14.17	14.10	15.50	15.71	15.74	15.72	17.00	21.83	21.98	21.87	23.00
3GPP Rel 99	RMC 12.2Kbps	14.13	14.18	14.11	15.50	15.74	15.76	15.73	17.00	21.85	21.99	21.89	23.00
3GPP Rel 6	HSDPA Subtest-1	13.11	13.16	13.17	14.50	14.80	14.79	14.76	16.00	20.90	20.85	20.84	22.00
3GPP Rel 6	HSDPA Subtest-2	13.14	13.15	13.13	14.50	14.73	14.68	14.64	16.00	20.81	20.81	20.84	22.00
3GPP Rel 6	HSDPA Subtest-3	12.66	12.60	12.63	14.00	14.18	14.34	14.33	15.50	20.32	20.27	20.32	21.50
3GPP Rel 6	HSDPA Subtest-4	12.42	12.61	12.61	14.00	14.10	14.11	14.18	15.50	20.12	20.20	20.23	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	13.07	13.24	13.01	14.50	14.63	14.77	14.77	16.00	20.91	20.73	20.79	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.00	13.19	12.88	14.50	14.56	14.79	14.57	16.00	20.69	20.82	20.76	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	12.55	12.64	12.55	14.00	14.03	14.24	14.17	15.50	20.19	20.28	20.29	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	12.57	12.48	12.47	14.00	13.97	14.07	14.13	15.50	20.12	20.18	20.18	21.50
3GPP Rel 6	HSUPA Subtest-1	13.00	13.07	12.98	14.50	14.56	14.89	14.65	16.00	20.74	20.64	20.76	22.00
3GPP Rel 6	HSUPA Subtest-2	11.02	11.25	11.10	12.50	12.55	12.69	12.74	14.00	18.78	18.84	18.88	20.00
3GPP Rel 6	HSUPA Subtest-3	12.16	12.14	12.15	13.50	13.75	13.72	13.86	15.00	20.03	19.95	19.92	21.00
3GPP Rel 6	HSUPA Subtest-4	11.03	11.05	10.99	12.50	12.66	12.69	12.65	14.00	18.77	18.74	18.73	20.00
3GPP Rel 6	HSUPA Subtest-5	12.99	13.21	13.09	14.50	14.50	14.69	14.70	16.00	20.76	20.92	20.86	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	10.60	10.86	10.65	12.00	12.24	12.41	12.34	13.50	18.29	18.60	18.35	19.50



Band 7 Ant1 ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up	MPR		
				Low	Middle	High				
Channel				2050	2100	2150	limit (dBm)	(dB)		
Frequency (MHz)				2510	2535	2550				
20	QPSK	1	0	19.10	19.18	19.05	20	0		
20	QPSK	1	49	18.88	18.94	18.78				
20	QPSK	1	99	18.78	18.85	19.01				
20	QPSK	50	0	19.05	19.11	18.98	20	0		
20	QPSK	50	24	18.87	18.91	18.84				
20	QPSK	50	50	18.85	18.95	18.83				
20	QPSK	100	0	18.96	19.09	19.00	20	0		
20	16QAM	1	0	18.68	18.66	18.85				
20	16QAM	1	49	18.95	19.07	18.57				
20	16QAM	1	99	18.87	18.75	18.64				
20	16QAM	50	0	18.63	18.85	18.71	20	0		
20	16QAM	50	24	18.76	18.86	18.84				
20	16QAM	50	50	18.74	18.54	18.76				
20	16QAM	100	0	18.67	18.76	18.58	20	0		
20	64QAM	1	0	18.75	18.82	18.62				
20	64QAM	1	49	18.74	18.67	18.64				
20	64QAM	1	99	18.78	18.76	18.73				
20	64QAM	50	0	18.79	18.93	18.68	20	0		
20	64QAM	50	24	18.66	18.67	18.65				
20	64QAM	50	50	18.69	18.88	18.67				
20	64QAM	100	0	18.81	18.80	18.73	20	0		
Channel				20923.2	21098.2	21373.2			Tune-up	MPR
Frequency (MHz)				2505.7	2533.2	2560.7				
15	QPSK	1	0	18.90	18.89	18.75	20	0		
15	QPSK	1	37	18.73	18.90	18.73				
15	QPSK	1	74	18.71	18.60	18.96				
15	QPSK	36	0	18.96	18.98	18.90	20	0		
15	QPSK	36	20	18.79	18.81	18.60				
15	QPSK	36	39	18.70	18.59	18.94				
15	QPSK	75	0	18.82	18.94	18.96	20	0		
15	16QAM	1	0	18.79	18.90	18.79				
15	16QAM	1	37	18.70	18.82	18.68				
15	16QAM	1	74	18.73	18.54	18.83	20	0		
15	16QAM	36	0	18.58	18.68	18.61				
15	16QAM	36	20	18.61	18.83	18.69				
15	16QAM	36	39	18.60	18.43	18.75	20	0		
15	16QAM	75	0	18.61	18.63	18.57				
15	64QAM	1	0	18.67	18.66	18.47				
15	64QAM	1	37	18.66	18.50	18.56	20	0		
15	64QAM	1	74	18.71	18.57	18.60				
15	64QAM	36	0	18.62	18.85	18.55				
15	64QAM	36	20	18.61	18.54	18.53	20	0		
15	64QAM	36	39	18.58	18.82	18.51				
15	64QAM	75	0	18.77	18.69	18.73				
Channel				20788.2	21098.2	21398.2	Tune-up	MPR		
Frequency (MHz)				2503.2	2533.2	2563.2				
10	QPSK	1	0	18.79	18.96	18.74	20	0		
10	QPSK	1	25	18.72	18.83	18.67				
10	QPSK	1	49	18.72	18.46	18.88				
10	QPSK	25	0	18.94	18.87	18.82	20	0		
10	QPSK	25	12	18.67	18.85	18.58				
10	QPSK	25	25	18.66	18.84	18.50				
10	QPSK	50	0	18.93	18.89	18.86	20	0		
10	16QAM	1	0	18.54	18.61	18.75				
10	16QAM	1	25	18.88	18.88	18.40				
10	16QAM	1	49	18.77	18.74	18.64	20	0		
10	16QAM	25	0	18.55	18.69	18.69				
10	16QAM	25	12	18.61	18.83	18.79				
10	16QAM	25	25	18.61	18.49	18.66	20	0		
10	16QAM	50	0	18.49	18.61	18.51				
10	64QAM	1	0	18.65	18.73	18.48				
10	64QAM	1	25	18.66	18.60	18.57	20	0		
10	64QAM	1	49	18.69	18.67	18.57				
10	64QAM	25	0	18.60	18.77	18.65				
10	64QAM	25	12	18.55	18.55	18.60	20	0		
10	64QAM	25	25	18.52	18.88	18.62				
10	64QAM	50	0	18.67	18.73	18.73				
Channel				20773.2	21098.2	21423.2	Tune-up	MPR		
Frequency (MHz)				2500.7	2533.2	2565.7				
5	QPSK	1	0	18.90	18.99	18.82	20	0		
5	QPSK	1	12	18.86	18.83	18.77				
5	QPSK	1	24	18.63	18.66	18.99				
5	QPSK	12	0	18.83	18.91	18.93	20	0		
5	QPSK	12	7	18.52	18.89	18.44				
5	QPSK	12	13	18.71	18.94	18.53				
5	QPSK	25	0	18.89	18.89	18.90	20	0		
5	16QAM	1	0	18.67	18.48	18.66				
5	16QAM	1	12	18.76	18.88	18.39				
5	16QAM	1	24	18.72	18.72	18.52	20	0		
5	16QAM	12	0	18.62	18.74	18.66				
5	16QAM	12	7	18.59	18.72	18.72				
5	16QAM	12	13	18.68	18.39	18.68	20	0		
5	16QAM	25	0	18.58	18.59	18.47				
5	64QAM	1	0	18.61	18.65	18.49				
5	64QAM	1	12	18.70	18.54	18.55	20	0		
5	64QAM	1	24	18.67	18.76	18.72				
5	64QAM	12	0	18.76	18.75	18.64				
5	64QAM	12	7	18.54	18.58	18.52	20	0		
5	64QAM	12	13	18.58	18.71	18.62				
5	64QAM	25	0	18.78	18.65	18.53				



Band 42 FCC Part27Q EC17

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42990	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	14.38	14.42	14.39	16	0
20	QPSK	1	49	14.16	14.26	14.38		
20	QPSK	1	99	14.30	14.26	14.27		
20	QPSK	50	0	14.31	14.40	14.37	16	0
20	QPSK	50	24	14.15	14.28	14.22		
20	QPSK	50	50	14.16	14.23	14.26		
20	QPSK	100	0	14.28	14.36	14.33	16	0
20	16QAM	1	0	14.35	14.32	14.29		
20	16QAM	1	49	14.32	14.28	14.32		
20	16QAM	1	99	14.34	14.30	14.20	16	0
20	16QAM	50	0	14.33	14.28	14.13		
20	16QAM	50	24	14.20	14.36	14.23		
20	16QAM	50	50	14.29	14.23	14.19	16	0
20	16QAM	100	0	14.18	14.33	14.34		
20	64QAM	1	0	14.27	14.30	14.22		
20	64QAM	1	49	14.17	14.32	14.31	16	0
20	64QAM	1	99	14.21	14.30	14.16		
20	64QAM	50	0	14.23	14.35	14.29		
20	64QAM	50	24	14.21	14.40	14.30	16	0
20	64QAM	50	50	14.25	14.26	14.24		
20	64QAM	100	0	14.29	14.32	14.27		
Channel				42165	42990	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	14.27	14.25	14.29	16	0
15	QPSK	1	37	14.10	14.06	14.36		
15	QPSK	1	74	14.14	14.23	14.19		
15	QPSK	36	0	14.23	14.27	14.23	16	0
15	QPSK	36	20	14.27	14.30	14.32		
15	QPSK	36	39	14.04	14.05	14.11		
15	QPSK	75	0	14.20	14.33	14.22	16	0
15	16QAM	1	0	14.25	14.23	14.21		
15	16QAM	1	37	14.16	14.19	14.27		
15	16QAM	1	74	14.31	14.19	14.10	16	0
15	16QAM	36	0	14.16	14.27	14.25		
15	16QAM	36	20	14.11	14.17	14.17		
15	16QAM	36	39	14.14	14.03	14.03	16	0
15	16QAM	75	0	14.00	14.29	14.21		
15	64QAM	1	0	14.25	14.23	14.21		
15	64QAM	1	37	14.16	14.18	14.19	16	0
15	64QAM	1	74	14.09	14.27	14.09		
15	64QAM	36	0	14.19	14.26	14.11		
15	64QAM	36	20	14.19	14.32	14.27	16	0
15	64QAM	36	39	14.11	14.25	14.19		
15	64QAM	75	0	14.14	14.21	14.16		
Channel				42140	42990	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	14.26	14.34	14.24	16	0
10	QPSK	1	25	14.07	14.07	14.32		
10	QPSK	1	49	14.29	14.26	14.08		
10	QPSK	25	0	14.30	14.25	14.34	16	0
10	QPSK	25	12	14.28	14.24	14.27		
10	QPSK	25	25	14.21	14.31	14.19		
10	QPSK	50	0	14.13	14.29	14.17	16	0
10	16QAM	1	0	14.18	14.32	14.15		
10	16QAM	1	25	14.12	14.09	14.27		
10	16QAM	1	49	14.17	14.24	14.13	16	0
10	16QAM	25	0	14.26	14.27	14.07		
10	16QAM	25	12	14.14	14.25	14.21		
10	16QAM	25	25	14.16	14.22	14.11	16	0
10	16QAM	50	0	14.16	14.14	14.19		
10	64QAM	1	0	14.25	14.14	14.03		
10	64QAM	1	25	14.13	14.25	14.22	16	0
10	64QAM	1	49	14.03	14.15	14.03		
10	64QAM	25	0	14.06	14.19	14.23		
10	64QAM	25	12	14.13	14.39	14.26	16	0
10	64QAM	25	25	14.16	14.18	14.08		
10	64QAM	50	0	14.22	14.19	14.13		
Channel				42115	42990	43065		
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	14.21	14.30	14.19	16	0
5	QPSK	1	12	14.03	14.09	14.28		
5	QPSK	1	24	14.10	14.23	14.14		
5	QPSK	12	0	14.12	14.26	14.27	16	0
5	QPSK	12	7	14.21	14.29	14.18		
5	QPSK	12	13	14.04	14.16	14.16		
5	QPSK	25	0	14.21	14.22	14.16	16	0
5	16QAM	1	0	14.35	14.26	14.25		
5	16QAM	1	12	14.19	14.15	14.22		
5	16QAM	1	24	14.30	14.21	14.17	16	0
5	16QAM	12	0	14.19	14.33	14.16		
5	16QAM	12	7	14.17	14.16	14.21		
5	16QAM	12	13	14.09	14.16	14.02	16	0
5	16QAM	25	0	14.03	14.29	14.23		
5	64QAM	1	0	14.25	14.23	14.09		
5	64QAM	1	12	14.13	14.27	14.17	16	0
5	64QAM	1	24	14.13	14.31	14.24		
5	64QAM	12	0	14.10	14.33	14.24		
5	64QAM	12	7	14.07	14.38	14.18	16	0
5	64QAM	12	13	14.21	14.12	14.12		
5	64QAM	25	0	14.13	14.23	14.08		



Default Power for WWAN Other PA

Band 2 Ant0 NSA Default

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel for various modulation schemes like QPSK, 16QAM, 64QAM, etc.

Band 4 Ant0 NSA Default

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel for various modulation schemes like QPSK, 16QAM, 64QAM, etc.

Band 66 Ant0 NSA Default

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Includes sub-headers for Channel, Frequency (MHz), and Channel for various modulation schemes like QPSK, 16QAM, 64QAM, etc.



Band 2 Ant4 NSA Default												
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)				1880	1890	1900						
20	QPSK	1	0	22.94	23.19	23.14						
20	QPSK	1	49	23.06	23.14	22.90	24	0				
20	QPSK	1	99	23.00	23.08	22.97						
20	QPSK	50	0	22.07	22.29	22.12						
20	QPSK	50	24	21.96	22.23	21.99	23	1				
20	QPSK	50	50	22.05	22.26	22.11						
20	QPSK	100	0	21.87	22.13	21.95						
20	16QAM	1	0	22.01	22.08	21.85						
20	16QAM	1	49	21.88	22.00	21.91	23	1				
20	16QAM	1	99	21.73	21.95	21.85						
20	16QAM	50	0	21.14	21.25	21.06						
20	16QAM	50	24	21.02	21.19	20.99	22	2				
20	16QAM	50	50	20.90	21.14	21.04						
20	16QAM	100	0	21.05	21.21	20.98						
20	64QAM	1	0	21.03	21.16	21.05						
20	64QAM	1	49	21.05	21.10	21.03	22	2				
20	64QAM	1	99	21.07	21.06	21.01						
20	64QAM	50	0	20.18	20.21	20.04						
20	64QAM	50	24	20.06	20.13	20.15	21	3				
20	64QAM	50	50	20.11	20.17	20.00						
20	64QAM	100	0	20.04	20.10	20.01						
Channel												
Frequency (MHz)				1887.5	1890	1912.5	Tune-up limit (dbm)	MPR (dB)				
15	QPSK	1	0	22.82	23.00	22.95	24	0				
15	QPSK	1	37	22.95	22.87	22.85						
15	QPSK	1	74	22.94	22.95	22.92						
15	QPSK	36	0	22.00	22.23	22.00	23	1				
15	QPSK	36	20	21.87	22.16	21.75						
15	QPSK	36	39	21.82	21.96	22.06						
15	QPSK	75	0	21.76	21.94	21.89						
15	16QAM	1	0	21.76	21.95	21.81						
15	16QAM	1	37	21.70	21.92	21.73	23	1				
15	16QAM	1	74	21.53	21.89	21.79						
15	16QAM	36	0	21.02	21.17	20.89						
15	16QAM	36	20	20.80	21.16	20.95	22	2				
15	16QAM	36	39	20.77	21.03	20.99						
15	16QAM	75	0	20.79	20.99	20.76						
15	64QAM	1	0	20.91	21.02	20.82						
15	64QAM	1	37	20.63	21.03	20.83	22	2				
15	64QAM	1	74	20.75	20.92	20.73						
15	64QAM	36	0	19.96	20.08	19.84						
15	64QAM	36	20	19.81	19.98	19.88	21	3				
15	64QAM	36	39	19.77	20.07	19.99						
15	64QAM	75	0	19.78	20.03	19.81						
Channel												
Frequency (MHz)				1885	1880	1905	Tune-up limit (dbm)	MPR (dB)				
10	QPSK	1	0	22.73	23.15	22.95	24	0				
10	QPSK	1	25	22.82	22.95	22.86						
10	QPSK	1	49	22.80	23.03	22.84						
10	QPSK	25	0	21.91	22.22	22.08	23	1				
10	QPSK	25	12	21.88	22.07	21.94						
10	QPSK	25	25	21.91	21.93	21.86						
10	QPSK	50	0	21.69	21.96	21.76						
10	16QAM	1	0	21.78	21.90	21.69						
10	16QAM	1	25	21.82	21.90	21.67	23	1				
10	16QAM	1	49	21.58	21.84	21.75						
10	16QAM	25	0	20.96	21.16	20.99						
10	16QAM	25	12	20.89	21.15	20.78	22	2				
10	16QAM	25	25	20.76	20.99	20.83						
10	16QAM	50	0	20.95	21.02	20.88						
10	64QAM	1	0	20.88	20.98	20.98						
10	64QAM	1	25	20.80	21.06	20.95	22	2				
10	64QAM	1	49	20.83	20.81	20.78						
10	64QAM	25	0	20.04	20.15	19.90						
10	64QAM	25	12	20.00	19.88	19.95	21	3				
10	64QAM	25	25	20.02	20.04	19.93						
10	64QAM	50	0	19.88	19.90	19.83						
Channel												
Frequency (MHz)				1882.5	1890	1917.5	Tune-up limit (dbm)	MPR (dB)				
5	QPSK	1	0	22.71	22.99	23.10	24	0				
5	QPSK	1	12	22.85	23.01	22.75						
5	QPSK	1	24	22.74	22.92	22.70						
5	QPSK	12	0	22.63	22.07	22.63	23	1				
5	QPSK	12	7	21.69	22.09	21.90						
5	QPSK	12	13	21.91	22.00	22.03						
5	QPSK	25	0	21.73	22.01	21.88						
5	16QAM	1	0	21.95	21.88	21.64						
5	16QAM	1	12	21.70	21.78	21.72	23	1				
5	16QAM	1	24	21.50	21.75	21.82						
5	16QAM	12	0	21.09	21.63	20.96						
5	16QAM	12	7	20.99	21.03	20.72	22	2				
5	16QAM	12	13	20.77	20.89	20.97						
5	16QAM	25	0	20.96	21.09	20.74						
5	64QAM	1	0	20.77	20.90	21.00						
5	64QAM	1	12	20.78	20.95	20.99	22	2				
5	64QAM	1	24	20.90	20.88	20.89						
5	64QAM	12	0	20.08	20.05	19.76						
5	64QAM	12	7	19.79	20.02	20.08	21	3				
5	64QAM	12	13	19.88	20.04	19.95						
5	64QAM	25	0	19.82	19.99	19.93						
Channel												
Frequency (MHz)				1881.5	1890	1918.5	Tune-up limit (dbm)	MPR (dB)				
3	QPSK	1	0	22.88	22.98	22.99	24	0				
3	QPSK	1	8	22.95	23.00	22.71						
3	QPSK	1	14	22.84	22.96	22.88						
3	QPSK	8	0	21.81	22.03	21.90	23	1				
3	QPSK	8	4	21.86	22.17	21.78						
3	QPSK	8	7	21.95	22.07	22.04						
3	QPSK	15	0	21.83	22.03	21.88						
3	16QAM	1	0	21.83	21.91	21.66						
3	16QAM	1	8	21.71	21.73	21.72	23	1				
3	16QAM	1	14	21.65	21.77	21.63						
3	16QAM	8	0	21.09	21.10	20.95						
3	16QAM	8	4	20.90	21.02	20.80	22	2				
3	16QAM	8	7	20.73	20.95	20.94						
3	16QAM	15	0	20.82	20.95	20.77						
3	64QAM	1	0	20.87	21.04	20.83						
3	64QAM	1	8	20.83	20.97	20.90	22	2				
3	64QAM	1	14	20.84	20.91	20.71						
3	64QAM	8	0	20.05	20.11	19.84						
3	64QAM	8	4	19.99	19.99	19.70	21	3				
3	64QAM	8	7	19.81	20.04	19.91						
3	64QAM	15	0	19.83	19.84	19.70						
Channel												
Frequency (MHz)				1880.7	1890	1919.3	Tune-up limit (dbm)	MPR (dB)				
1.4	QPSK	1	0	22.68	22.93	23.03	24	0				
1.4	QPSK	1	3	23.03	23.01	22.77						
1.4	QPSK	1	5	22.78	22.94	22.76						
1.4	QPSK	3	0	22.97	23.04	22.94	24	0				
1.4	QPSK	3	1	22.96	22.93	22.64						
1.4	QPSK	3	3	22.92	22.96	22.94						
1.4	QPSK	6	0	21.62	22.07	21.77	23	1				
1.4	16QAM	1	0	21.78	21.94	21.80						
1.4	16QAM	1	3	21.83	21.88	21.69						
1.4	16QAM	1	5	21.66	21.74	21.59	23	1				
1.4	16QAM	3	0	21.90	21.87	21.74						
1.4	16QAM	3	1	21.79	21.85	21.72						
1.4	16QAM	3	3	21.65	21.85	21.70	22	2				
1.4	16QAM	6	0	21.02	21.16	20.85						
1.4	64QAM	1	0	20.69	20.93	20.75						
1.4	64QAM	1	3	20.80	21.01	20.97						
1.4	64QAM	1	5	20.74	20.99	20.99	22	2				
1.4	64QAM	3	0	20.76	20.96	21.00						
1.4	64QAM	3	1	20.85	20.95	20.71						
1.4	64QAM	3	3	20.88	20.97	20.95						
1.4	64QAM	6	0	19.84	19.86	19.74	21	3				

Band 4 Ant4 NSA Default												
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)				2030	2015	1745						
20	QPSK	1	0	22.57	22.73	22.69						
20	QPSK	1	49	22.49	22.65	22.52	24	0				
20	QPSK	1	99	22.40	22.60	22.46						
20	QPSK	50	0	21.71	21.76	21.70						
20	QPSK	50	24	21.55	21.70	21.58	23	1				
20	QPSK	50	50	21.61	21.65	21.60						
20	QPSK	100	0	21.51	21.72	21.58						
20	16QAM	1	0	21.67	21.68	21.61						
20	16QAM	1	49	21.58	21.62	21.54	23	1				
20	16QAM	1	99	21.43	21.58	21.47						
20	16QAM	50	0	20.63	20.78	20.76						
20	16QAM	50	24	20.51	20.70	20.57	22	2				
20	16QAM	50	50	20.62	20.74	20.62						
20	16QAM	100	0	20.53	20.72	20.53						
20	64QAM	1	0	20.65	20.64	20.43						
20	64QAM	1	49	20.38	20.58	20.49	22	2				
20	64QAM	1	99	20.36	20.							



Band 7 Ant4 NSA Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPRR (dB)		
Channel				2692.5	2712	2731.5				
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	22.79	22.93	22.80				
20	QPSK	1	49	22.56	22.86	22.64	24	0		
20	QPSK	1	99	22.51	22.66	22.69				
20	QPSK	50	0	21.80	21.88	21.76				
20	QPSK	50	24	21.61	21.85	21.74	23	1		
20	QPSK	50	50	21.77	21.69	21.77				
20	QPSK	100	0	21.76	21.81	21.63				
20	16QAM	1	0	21.84	21.76	21.70				
20	16QAM	1	49	21.82	21.78	21.79	23	1		
20	16QAM	1	99	21.65	21.75	21.56				
20	16QAM	50	0	20.73	20.83	20.79				
20	16QAM	50	24	20.68	20.80	20.72	22	2		
20	16QAM	50	50	20.64	20.89	20.54				
20	16QAM	100	0	20.72	20.89	20.72				
20	64QAM	1	0	20.81	20.74	20.63				
20	64QAM	1	49	20.46	20.84	20.52	22	2		
20	64QAM	1	99	20.42	20.63	20.61				
20	64QAM	50	0	19.71	19.88	19.84				
20	64QAM	50	24	19.75	19.84	19.71	21	3		
20	64QAM	50	50	19.69	19.86	19.81				
20	64QAM	100	0	19.75	19.82	19.73				
Channel				2926.5	2946	2965.5				
Frequency (MHz)				2907.5	2935	2962.5				
15	QPSK	1	0	22.81	22.85	22.90				
15	QPSK	1	37	22.53	22.85	22.55	24	0		
15	QPSK	1	74	22.66	22.68	22.66				
15	QPSK	36	0	21.88	21.84	21.78				
15	QPSK	36	24	21.77	21.93	21.84	23	1		
15	QPSK	36	39	21.68	21.77	21.81				
15	QPSK	75	0	21.54	21.96	21.82				
15	16QAM	1	0	21.78	21.92	21.89				
15	16QAM	1	37	21.80	21.65	21.75	23	1		
15	16QAM	1	74	21.68	21.65	21.69				
15	16QAM	36	0	20.83	20.98	20.81				
15	16QAM	36	24	20.72	20.77	20.83	22	2		
15	16QAM	36	39	20.82	20.82	20.55				
15	16QAM	75	0	20.58	20.85	20.74				
15	64QAM	1	0	20.78	20.85	20.64				
15	64QAM	1	37	20.50	20.63	20.54	22	2		
15	64QAM	1	74	20.54	20.67	20.66				
15	64QAM	36	0	19.72	19.83	19.69				
15	64QAM	36	24	19.75	19.81	19.84	21	3		
15	64QAM	36	39	19.87	19.80	19.77				
15	64QAM	75	0	19.77	19.92	19.84				
Channel				3080.0	3100	3120.0				
Frequency (MHz)				2905	2935	2965				
10	QPSK	1	0	22.81	22.87	22.76				
10	QPSK	1	25	22.74	22.68	22.64	24	0		
10	QPSK	1	49	22.62	22.70	22.48				
10	QPSK	25	0	21.93	21.82	21.72				
10	QPSK	25	12	21.81	21.90	21.76	23	1		
10	QPSK	25	25	21.71	21.84	21.80				
10	QPSK	50	0	21.53	21.83	21.76				
10	16QAM	1	0	21.81	21.83	21.74				
10	16QAM	1	25	21.82	21.69	21.56	23	1		
10	16QAM	1	49	21.47	21.72	21.59				
10	16QAM	25	0	20.89	21.00	20.86				
10	16QAM	25	12	20.90	20.91	20.81	22	2		
10	16QAM	25	25	20.74	20.87	20.84				
10	16QAM	50	0	20.75	20.92	20.62				
10	64QAM	1	0	20.85	20.77	20.67				
10	64QAM	1	25	20.64	20.65	20.64	22	2		
10	64QAM	1	49	20.46	20.66	20.61				
10	64QAM	25	0	19.59	19.83	19.85				
10	64QAM	25	12	19.60	19.75	19.72	21	3		
10	64QAM	25	25	19.74	19.81	19.92				
10	64QAM	50	0	19.62	19.92	19.69				
Channel				3077.5	3100	3122.5				
Frequency (MHz)				2902.5	2935	2967.5				
5	QPSK	1	0	22.62	22.78	22.84				
5	QPSK	1	12	22.67	22.70	22.67	24	0		
5	QPSK	1	24	22.49	22.80	22.66				
5	QPSK	12	0	21.92	21.90	21.86				
5	QPSK	12	7	21.75	21.89	21.80	23	1		
5	QPSK	12	13	21.79	21.70	21.72				
5	QPSK	25	0	21.55	21.89	21.62				
5	16QAM	1	0	21.86	21.80	21.70				
5	16QAM	1	12	21.66	21.71	21.70	23	1		
5	16QAM	1	24	21.49	21.63	21.70				
5	16QAM	12	0	20.81	21.00	20.82				
5	16QAM	12	7	20.76	20.79	20.62	22	2		
5	16QAM	12	13	20.75	20.86	20.57				
5	16QAM	25	0	20.65	20.80	20.57				
5	64QAM	1	0	20.89	20.75	20.50				
5	64QAM	1	12	20.50	20.61	20.69	22	2		
5	64QAM	1	24	20.50	20.70	20.62				
5	64QAM	12	0	19.62	19.76	19.73				
5	64QAM	12	7	19.58	19.67	19.77	21	3		
5	64QAM	12	13	19.80	19.72	19.79				
5	64QAM	25	0	19.71	19.87	19.80				

Band 66 Ant4 NSA Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPRR (dB)		
Channel				13072	13072	13072				
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	22.66	22.88	22.70				
20	QPSK	1	49	22.69	22.79	22.65	24	0		
20	QPSK	1	99	22.58	22.71	22.67				
20	QPSK	50	0	21.74	21.98	21.78				
20	QPSK	50	24	21.67	21.81	21.67	23	1		
20	QPSK	50	50	21.79	21.78	21.82				
20	QPSK	100	0	21.53	21.83	21.65				
20	16QAM	1	0	21.88	21.76	21.72				
20	16QAM	1	49	21.71	21.79	21.67	23	1		
20	16QAM	1	99	21.55	21.78	21.51				
20	16QAM	50	0	20.80	20.86	20.90				
20	16QAM	50	24	20.68	20.89	20.71	22	2		
20	16QAM	50	50	20.70	20.75	20.67				
20	16QAM	100	0	20.57	20.80	20.56				
20	64QAM	1	0	20.75	20.67	20.52				
20	64QAM	1	49	20.36	20.69	20.56	22	2		
20	64QAM	1	99	20.42	20.64	20.56				
20	64QAM	50	0	19.67	19.77	19.82				
20	64QAM	50	24	19.75	19.84	19.84	21	3		
20	64QAM	50	50	19.79	19.84	19.84				
20	64QAM	100	0	19.77	19.84	19.73				
Channel				132047	132322	132672				
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	22.59	22.77	22.68				
15	QPSK	1	37	22.48	22.73	22.58	24	0		
15	QPSK	1	74	22.61	22.79	22.52				
15	QPSK	36	0	21.91	21.86	21.84				
15	QPSK	36	24	21.73	21.71	21.80	23	1		
15	QPSK	36	39	21.65	21.79	21.77				
15	QPSK	75	0	21.60	21.81	21.70				
15	16QAM	1	0	21.79	21.73	21.81				
15	16QAM	1	37	21.70	21.79	21.59	23	1		
15	16QAM	1	74	21.53	21.61	21.66				
15	16QAM	36	0	20.73	20.90	20.96				
15	16QAM	36	20	20.84	20.91	20.81	22	2		
15	16QAM	36	39	20.62	20.87	20.71				
15	16QAM	75	0	20.70	20.92	20.56				
15	64QAM	1	0	20.82	20.70	20.44				
15	64QAM	1	37	20.37	20.59	20.63	22	2</		



ECI2 Power

Band 2 Ant0 NSA ECI2										
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	21.95	21.98	21.85	23	0		
20	QPSK	1	49	21.81	21.93	21.73				
20	QPSK	1	99	21.73	21.88	21.76				
20	QPSK	50	0	20.88	21.00	20.79				
20	QPSK	50	24	20.92	20.99	20.80				
20	QPSK	50	50	20.70	20.76	20.76				
20	QPSK	100	0	20.61	20.75	20.71				
20	16QAM	1	0	20.68	20.75	20.54	22	1		
20	16QAM	1	49	20.60	20.59	20.51				
20	16QAM	1	99	20.62	20.74	20.45				
20	16QAM	50	0	19.87	19.84	19.82				
20	16QAM	50	24	19.81	19.94	19.73				
20	16QAM	50	50	19.77	19.87	19.75				
20	16QAM	100	0	19.68	19.83	19.70				
20	64QAM	1	0	19.74	19.96	19.87	21	2		
20	64QAM	1	49	19.73	19.90	19.78				
20	64QAM	1	99	19.82	19.83	19.73				
20	64QAM	50	0	18.91	18.84	18.67				
20	64QAM	50	24	18.86	18.87	18.76				
20	64QAM	50	50	18.76	18.78	18.81				
20	64QAM	100	0	18.71	18.80	18.77				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.93	21.94	21.76	23	0		
15	QPSK	1	37	21.78	21.83	21.56				
15	QPSK	1	74	21.73	21.85	21.69				
15	QPSK	36	0	20.71	20.79	20.66				
15	QPSK	36	20	20.55	20.97	20.70				
15	QPSK	36	39	20.52	20.72	20.63				
15	QPSK	75	0	20.41	20.76	20.54	22	1		
15	16QAM	1	0	20.48	20.76	20.55				
15	16QAM	1	37	20.49	20.59	20.35				
15	16QAM	1	74	20.53	20.76	20.46				
15	16QAM	36	0	19.83	19.87	19.64				
15	16QAM	36	20	19.62	19.70	19.66				
15	16QAM	36	39	19.50	19.67	19.76				
15	16QAM	75	0	19.52	19.66	19.49				
15	64QAM	1	0	19.68	19.83	19.68	21	2		
15	64QAM	1	37	19.74	19.86	19.64				
15	64QAM	1	74	19.63	19.81	19.59				
15	64QAM	36	0	18.59	18.87	18.66				
15	64QAM	36	20	18.81	18.74	18.74				
15	64QAM	36	39	18.57	18.61	18.67				
15	64QAM	75	0	18.51	18.81	18.76				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.94	21.86	21.82	23	0		
10	QPSK	1	25	21.68	21.73	21.61				
10	QPSK	1	49	21.66	21.86	21.72				
10	QPSK	25	0	20.75	20.79	20.81				
10	QPSK	25	12	20.73	20.88	20.87				
10	QPSK	25	25	20.49	20.57	20.59				
10	QPSK	50	0	20.59	20.75	20.72	22	1		
10	16QAM	1	0	20.55	20.69	20.38				
10	16QAM	1	25	20.59	20.56	20.37				
10	16QAM	1	49	20.40	20.63	20.29				
10	16QAM	25	0	19.69	19.81	19.72				
10	16QAM	25	12	19.49	19.81	19.67				
10	16QAM	25	25	19.64	19.73	19.59				
10	16QAM	50	0	19.54	19.81	19.80				
10	64QAM	1	0	19.70	19.82	19.72	21	2		
10	64QAM	1	25	19.58	19.70	19.80				
10	64QAM	1	49	19.79	19.74	19.68				
10	64QAM	25	0	18.76	18.75	18.48				
10	64QAM	25	12	18.43	18.87	18.68				
10	64QAM	25	25	18.59	18.66	18.73				
10	64QAM	50	0	18.62	18.64	18.77				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.87	21.86	21.86	23	0		
5	QPSK	1	12	21.74	21.81	21.67				
5	QPSK	1	24	21.86	21.87	21.71				
5	QPSK	12	0	20.89	20.82	20.76				
5	QPSK	12	7	20.58	20.80	20.67				
5	QPSK	12	13	20.56	20.77	20.76				
5	QPSK	25	0	20.52	20.76	20.71	22	1		
5	16QAM	1	0	20.63	20.73	20.34				
5	16QAM	1	12	20.48	20.61	20.43				
5	16QAM	1	24	20.60	20.76	20.36				
5	16QAM	12	0	19.68	19.88	19.70				
5	16QAM	12	7	19.66	19.80	19.61				
5	16QAM	12	13	19.52	19.63	19.63				
5	16QAM	25	0	19.56	19.69	19.63	21	2		
5	64QAM	1	0	19.54	19.76	19.85				
5	64QAM	1	12	19.74	19.72	19.61				
5	64QAM	1	24	19.84	19.89	19.59				
5	64QAM	12	0	18.88	18.79	18.49				
5	64QAM	12	7	18.46	18.87	18.63				
5	64QAM	12	13	18.58	18.62	18.76				
5	64QAM	25	0	18.52	18.58	18.71				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.90	21.77	21.76	23	0		
3	QPSK	1	8	21.75	21.88	21.68				
3	QPSK	1	14	21.61	21.87	21.68				
3	QPSK	8	0	20.81	20.95	20.68				
3	QPSK	8	4	20.55	20.87	20.58				
3	QPSK	8	7	20.67	20.75	20.68				
3	QPSK	15	0	20.61	20.70	20.71	22	1		
3	16QAM	1	0	20.60	20.55	20.52				
3	16QAM	1	8	20.41	20.40	20.52				
3	16QAM	1	14	20.54	20.74	20.32				
3	16QAM	8	0	19.76	19.86	19.82				
3	16QAM	8	4	19.56	19.87	19.55				
3	16QAM	8	7	19.48	19.62	19.65	21	2		
3	16QAM	15	0	19.59	19.73	19.52				
3	64QAM	1	0	19.62	19.80	19.87				
3	64QAM	1	8	19.70	19.85	19.73				
3	64QAM	1	14	19.85	19.89	19.74				
3	64QAM	8	0	18.84	18.69	18.69				
3	64QAM	8	4	18.54	18.77	18.75				
3	64QAM	8	7	18.63	18.80	18.79				
3	64QAM	15	0	18.61	18.64	18.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.91	21.96	21.70	23	0		
1.4	QPSK	1	3	21.80	21.80	21.67				
1.4	QPSK	1	5	21.71	21.82	21.67				
1.4	QPSK	3	0	21.76	21.80	21.76				
1.4	QPSK	3	1	21.81	21.82	21.68				
1.4	QPSK	3	3	21.72	21.66	21.59				
1.4	QPSK	6	0	20.72	20.80	20.79	22	1		
1.4	16QAM	1	0	20.65	20.96	20.66				
1.4	16QAM	1	3	20.53	20.57	20.60				
1.4	16QAM	1	5	20.57	20.63	20.67				
1.4	16QAM	3	0	20.51	20.60	20.54	22	1		
1.4	16QAM	3	1	20.39	20.49	20.39				
1.4	16QAM	3	3	20.57	20.68	20.43				
1.4	16QAM	6	0	19.72	19.94	19.68	21	2		
1.4	64QAM	1	0	19.64	19.87	19.63				
1.4	64QAM	1	3	19.87	19.89	19.74				
1.4	64QAM	1	5	19.65	19.77	19.59				
1.4	64QAM	3	0	19.57	19.76	19.74	21	2		
1.4	64QAM	3	1	19.69	19.89	19.56				
1.4	64QAM	3	3	19.62	19.83	19.65				
1.4	64QAM	6	0	18.93	18.70	18.63				

Band 4 Ant0 NSA ECI2										
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	21.80	21.91	21.86	23	0		
20	QPSK	1	49	21.62	21.81	21.66				
20	QPSK	1	99	21.69	21.84	21.65				
20	QPSK	50	0	20.88	20.96	20.68				
20	QPSK	50	24	20.92	20.87	20.74				
20	QPSK	50	50	20.72	20.74	20.70				
20	QPSK	100	0	20.48	20.62	20.58	22	1		
20	16QAM	1	0	20.53	20.57	20.49				
20	16QAM	1	49	20.54	20.57	20.48				
20	16QAM	1	99	20.42	20.55	20.29				
20	16QAM	50	0	19.87	19.90	19.74				
20	16QAM	50	24	19.80	19.79	19.62				
20	16QAM	50	50	19.73	19.87	19.64				
20	16QAM	100	0	19.49	19.77	19.53				
20	64QAM	1	0	19.65	19.81	19.83	21	2		
20	64QAM	1	49	19.61	19.90	19.68				
20	64QAM	1	99	19.82	19.76	19.74				
20	64QAM	50	0	18.76	18.72	18.59				
20	64QAM	50	24	18.45	18.55	18.55				
20	64QAM	50	50	18.71	18.83	18.83				
20	64QAM	100	0	18.71	18.66	18.75				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.77	21.86	21.76	23	0		
15	QPSK	1	37	21.77	21.83	21.65				
15	QPSK	1	74	21.59	21.88	21.71				
15	QPSK	36	0	20.76	20.95	20.69				
15	QPSK	36	20	20.71	20.91					



Band 2 Ant4 NSA EC12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Free	Power Middle Ch. / Free	Power High Ch. / Free	Tune-up limit (dBm)	MPR (dB)		
Channel				1850	1880	1900				
Frequency (MHz)				1850	1880	1900				
20	QPSK	1	0	19.99	20.17	20.09				
20	QPSK	1	49	19.89	20.08	20.06	21	0		
20	QPSK	1	99	19.82	20.04	19.97				
20	QPSK	50	0	20.06	20.13	19.96				
20	QPSK	50	24	19.75	20.06	20.07	21	0		
20	QPSK	50	50	19.97	20.10	20.12				
20	QPSK	100	0	19.96	20.11	20.07				
20	16QAM	1	0	19.79	20.16	19.98				
20	16QAM	1	49	19.96	20.07	20.00	21	0		
20	16QAM	1	99	19.85	20.02	20.12				
20	16QAM	50	0	19.77	20.07	20.04				
20	16QAM	50	24	19.96	20.09	20.13	21	0		
20	16QAM	50	50	19.94	20.12	20.16				
20	16QAM	100	0	19.97	20.10	20.05				
20	64QAM	1	0	19.83	20.02	20.05				
20	64QAM	1	49	19.76	20.13	19.99	21	0		
20	64QAM	1	99	19.76	20.12	20.06				
20	64QAM	50	0	19.76	20.12	19.87				
20	64QAM	50	24	19.93	20.10	20.12	21	0		
20	64QAM	50	50	19.78	20.13	19.98				
20	64QAM	100	0	19.95	20.11	20.06				
Channel				1887.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1880	1902.5				
15	QPSK	1	0	19.94	20.02	19.98				
15	QPSK	1	37	19.92	20.03	20.08	21	0		
15	QPSK	1	74	19.66	19.92	20.00				
15	QPSK	36	0	19.91	20.02	19.85				
15	QPSK	36	20	19.73	20.10	20.08	21	0		
15	QPSK	36	39	19.73	20.13	20.10				
15	QPSK	75	0	19.91	20.12	20.10				
15	16QAM	1	0	19.87	20.13	20.03				
15	16QAM	1	37	19.81	20.12	19.85	21	0		
15	16QAM	1	74	19.86	20.00	20.12				
15	16QAM	36	0	19.79	20.09	19.93				
15	16QAM	36	20	19.78	19.99	20.14	21	0		
15	16QAM	36	39	19.89	20.14	20.05				
15	16QAM	75	0	19.95	19.96	19.98				
15	64QAM	1	0	19.82	19.88	19.92				
15	64QAM	1	37	19.74	19.97	20.03	21	0		
15	64QAM	1	74	19.66	19.97	20.07				
15	64QAM	36	0	19.74	20.05	19.89				
15	64QAM	36	20	19.87	19.93	20.05	21	0		
15	64QAM	36	39	19.73	20.05	19.87				
15	64QAM	75	0	19.91	20.08	20.05				
Channel				1885	18800	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1885	1880	1905				
10	QPSK	1	0	19.97	20.12	20.06				
10	QPSK	1	25	19.94	20.07	19.89	21	0		
10	QPSK	1	49	19.87	20.07	19.89				
10	QPSK	25	0	20.09	20.02	19.91				
10	QPSK	25	12	19.76	20.11	20.11	21	0		
10	QPSK	25	25	19.73	20.11	20.05				
10	QPSK	50	0	19.95	20.05	20.00				
10	16QAM	1	0	19.74	20.12	19.87				
10	16QAM	1	25	19.99	19.92	19.94	21	0		
10	16QAM	1	49	19.82	19.89	19.95				
10	16QAM	25	0	19.89	20.12	20.03				
10	16QAM	25	12	19.84	20.02	20.03	21	0		
10	16QAM	25	25	19.98	19.98	20.03				
10	16QAM	50	0	19.91	20.13	19.90				
10	64QAM	1	0	19.79	20.06	20.02				
10	64QAM	1	25	19.77	20.01	19.86	21	0		
10	64QAM	1	49	19.70	20.11	19.92				
10	64QAM	25	0	19.77	20.06	19.99				
10	64QAM	25	12	19.77	20.09	20.00	21	0		
10	64QAM	25	25	19.76	20.15	19.88				
10	64QAM	50	0	19.89	20.04	20.01				
Channel				1882.5	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1882.5	1880	1907.5				
5	QPSK	1	0	20.02	20.05	19.95				
5	QPSK	1	12	19.83	19.96	20.01	21	0		
5	QPSK	1	24	19.67	19.86	19.83				
5	QPSK	12	0	20.03	19.99	19.86				
5	QPSK	12	7	19.70	20.07	19.92	21	0		
5	QPSK	12	13	19.68	20.01	20.15				
5	QPSK	25	0	20.00	19.94	19.92				
5	16QAM	1	0	19.70	20.05	19.99				
5	16QAM	1	12	19.82	20.05	19.97	21	0		
5	16QAM	1	24	19.67	19.93	20.11				
5	16QAM	12	0	19.83	20.01	20.04				
5	16QAM	12	7	19.95	20.01	20.10	21	0		
5	16QAM	12	13	19.99	20.08	20.04				
5	16QAM	25	0	19.96	20.05	19.96				
5	64QAM	1	0	19.75	19.86	19.98				
5	64QAM	1	12	19.60	20.08	19.83	21	0		
5	64QAM	1	24	19.59	19.97	19.98				
5	64QAM	12	0	19.77	20.02	19.80				
5	64QAM	12	7	19.94	19.99	19.93	21	0		
5	64QAM	12	13	19.82	20.03	19.85				
5	64QAM	25	0	19.89	19.99	20.09				
Channel				1881.5	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1881.5	1880	1906.5				
3	QPSK	1	0	19.87	20.05	19.96				
3	QPSK	1	8	19.75	20.11	19.94	21	0		
3	QPSK	1	14	19.69	20.04	19.91				
3	QPSK	8	0	20.04	20.00	19.93				
3	QPSK	8	4	19.80	19.95	19.91	21	0		
3	QPSK	8	7	19.69	20.14	20.03				
3	QPSK	15	0	19.83	20.12	19.92				
3	16QAM	1	0	19.76	20.03	19.95				
3	16QAM	1	8	20.00	19.94	19.86	21	0		
3	16QAM	1	14	19.68	20.03	19.94				
3	16QAM	8	0	19.76	19.96	19.99				
3	16QAM	8	4	19.95	20.05	20.01	21	0		
3	16QAM	8	7	19.97	20.06	20.12				
3	16QAM	15	0	19.89	20.06	20.09				
3	64QAM	1	0	19.78	19.97	19.87				
3	64QAM	1	8	19.59	19.97	19.83	21	0		
3	64QAM	1	14	19.62	19.95	20.01				
3	64QAM	8	0	19.77	20.01	19.73				
3	64QAM	8	4	19.75	20.03	20.01	21	0		
3	64QAM	8	7	19.77	20.01	19.78				
3	64QAM	15	0	19.77	20.13	19.97				
Channel				18807	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18807	1880	1909.3				
1.4	QPSK	1	0	20.03	20.16	20.07				
1.4	QPSK	1	3	19.92	20.07	20.05	21	0		
1.4	QPSK	1	5	19.83	19.98	20.01				
1.4	QPSK	3	0	19.90	20.05	19.97				
1.4	QPSK	3	1	19.80	20.10	19.90				
1.4	QPSK	3	3	19.74	20.12	19.96	21	0		
1.4	QPSK	6	0	19.90	19.99	19.91				
1.4	16QAM	1	0	19.70	20.11	20.03				
1.4	16QAM	1	3	19.84	19.96	19.90	21	0		
1.4	16QAM	1	5	19.67	19.85	20.05				
1.4	16QAM	3	0	19.82	20.11	19.85				
1.4	16QAM	3	1	19.77	19.94	20.04				
1.4	16QAM	3	3	19.96	20.16	20.04	21	0		
1.4	16QAM	6	0	20.02	20.00	20.08				
1.4	64QAM	1	0	19.70	20.00	19.91				
1.4	64QAM	1	3	19.74	19.95	19.85	21	0		
1.4	64QAM	1	5	19.74	20.11	20.05				
1.4	64QAM	3	0	19.68	20.16	19.88				
1.4	64QAM	3	1	19.83	20.04	20.15	21	0		
1.4	64QAM	3	3	19.69	20.05	19.84				
1.4	64QAM	6	0	19.89	19.97	19.91	21	0		

Band 4 Ant4 NSA EC12										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Free	Power Middle Ch. / Free	Power High Ch. / Free	Tune-up limit (dBm)	MPR (dB)		
Channel				1720	1732.5	1745				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	18.64	18.76	18.71				
20	QPSK	1	49	18.60	18.68	18.54	20	0		
20	QPSK	1	99	18.58	18.62	18.60				
20	QPSK	50	0	18.69	18.72	18.64				
20	QPSK	50	24	18.51	18.58	18.48	20	0		
20	QPSK	50	50	18.51	18.57	18.46				
20	QPSK	100	0	18.58	18.68	18.61				
20	16QAM	1	0	18.66	18.62	18.53				
20	16QAM	1	49	18.64	18.52	18.45	20	0		
20	16QAM	1	99	18.52	18.58	18.47				



Band 7 Ant4 NSA ECI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2510	2535	2560				
20	QPSK	1	0	13.37	13.47	13.43	14.5	0		
20	QPSK	1	49	13.19	13.29	13.24				
20	QPSK	1	99	13.23	13.32	13.18				
20	QPSK	50	0	13.40	13.45	13.39	14.5	0		
20	QPSK	50	24	13.12	13.25	13.30				
20	QPSK	50	50	13.11	13.38	13.13				
20	QPSK	100	0	13.35	13.37	13.31	14.5	0		
20	16QAM	1	0	13.24	13.34	13.26				
20	16QAM	1	49	13.12	13.25	13.21				
20	16QAM	1	99	13.27	13.24	13.15	14.5	0		
20	16QAM	50	0	13.17	13.28	13.33				
20	16QAM	50	24	13.24	13.40	13.22				
20	16QAM	50	50	13.34	13.43	13.20	14.5	0		
20	16QAM	100	0	13.14	13.45	13.27				
20	64QAM	1	0	13.12	13.43	13.25				
20	64QAM	1	49	13.23	13.45	13.32	14.5	0		
20	64QAM	1	99	13.27	13.42	13.27				
20	64QAM	50	0	13.25	13.46	13.26				
20	64QAM	50	24	13.14	13.43	13.30	14.5	0		
20	64QAM	50	50	13.30	13.40	13.18				
20	64QAM	100	0	13.13	13.33	13.24				
Channel				20825	21100	21375	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	13.35	13.44	13.43	14.5	0		
15	QPSK	1	37	13.16	13.15	13.13				
15	QPSK	1	74	13.12	13.35	13.09				
15	QPSK	36	0	13.38	13.40	13.33	14.5	0		
15	QPSK	36	20	12.95	13.20	13.15				
15	QPSK	36	39	13.05	13.27	13.11				
15	QPSK	75	0	13.33	13.36	13.23	14.5	0		
15	16QAM	1	0	13.10	13.33	13.07				
15	16QAM	1	37	13.11	13.13	13.15				
15	16QAM	1	74	13.24	13.05	13.17	14.5	0		
15	16QAM	36	0	13.11	13.28	13.28				
15	16QAM	36	20	13.07	13.20	13.15				
15	16QAM	36	39	13.32	13.38	13.00	14.5	0		
15	16QAM	75	0	13.11	13.32	13.24				
15	64QAM	1	0	13.14	13.28	13.07				
15	64QAM	1	37	13.21	13.28	13.18	14.5	0		
15	64QAM	1	74	13.08	13.41	13.13				
15	64QAM	36	0	13.22	13.30	13.27				
15	64QAM	36	20	13.07	13.20	13.27	14.5	0		
15	64QAM	36	39	13.32	13.34	13.00				
15	64QAM	75	0	12.94	13.35	13.24				
Channel				20800	21100	21400	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	13.25	13.35	13.28	14.5	0		
10	QPSK	1	25	13.05	13.28	13.13				
10	QPSK	1	49	13.25	13.15	13.14				
10	QPSK	25	0	13.20	13.35	13.25	14.5	0		
10	QPSK	25	12	13.00	13.20	13.25				
10	QPSK	25	25	13.09	13.33	12.99				
10	QPSK	50	0	13.16	13.38	13.29	14.5	0		
10	16QAM	1	0	13.07	13.17	13.11				
10	16QAM	1	25	13.09	13.12	13.13				
10	16QAM	1	49	13.20	13.24	12.99	14.5	0		
10	16QAM	25	0	13.00	13.13	13.30				
10	16QAM	25	12	13.18	13.40	13.13				
10	16QAM	25	25	13.17	13.44	13.00	14.5	0		
10	16QAM	50	0	13.00	13.45	13.07				
10	64QAM	1	0	12.99	13.40	13.07				
10	64QAM	1	25	13.08	13.25	13.20	14.5	0		
10	64QAM	1	49	13.17	13.35	13.12				
10	64QAM	25	0	13.11	13.46	13.18				
10	64QAM	25	12	12.99	13.33	13.20	14.5	0		
10	64QAM	25	25	13.10	13.37	13.20				
10	64QAM	50	0	13.00	13.13	13.23				
Channel				20775	21100	21425	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	13.36	13.41	13.23	14.5	0		
5	QPSK	1	12	13.05	13.29	13.06				
5	QPSK	1	24	13.03	13.11	13.21				
5	QPSK	12	0	13.37	13.46	13.28	14.5	0		
5	QPSK	12	7	13.00	13.11	13.16				
5	QPSK	12	13	12.96	13.39	13.12				
5	QPSK	25	0	13.34	13.32	13.18	14.5	0		
5	16QAM	1	0	13.16	13.13	13.28				
5	16QAM	1	12	13.10	13.11	13.11				
5	16QAM	1	24	13.25	13.14	12.96	14.5	0		
5	16QAM	12	0	13.01	13.26	13.27				
5	16QAM	12	7	13.19	13.35	13.15				
5	16QAM	12	13	13.36	13.37	13.06	14.5	0		
5	16QAM	25	0	13.02	13.38	13.24				
5	64QAM	1	0	12.93	13.27	13.19				
5	64QAM	1	12	13.14	13.35	13.12	14.5	0		
5	64QAM	1	24	13.07	13.23	13.23				
5	64QAM	12	0	13.17	13.43	13.16				
5	64QAM	12	7	13.11	13.23	13.13	14.5	0		
5	64QAM	12	13	13.29	13.30	13.07				
5	64QAM	25	0	13.02	13.24	13.07				

Band 66 Ant4 NSA ECI2										
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				13272	13322	13372	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1720	1745	1770				
20	QPSK	1	0	18.78	18.85	18.81	20	0		
20	QPSK	1	49	18.43	18.74	18.69				
20	QPSK	1	99	18.58	18.74	18.71				
20	QPSK	50	0	18.68	18.78	18.72	20	0		
20	QPSK	50	24	18.63	18.74	18.55				
20	QPSK	50	50	18.59	18.62	18.50				
20	QPSK	100	0	18.76	18.84	18.79	20	0		
20	16QAM	1	0	18.60	18.72	18.68				
20	16QAM	1	49	18.60	18.74	18.54				
20	16QAM	1	99	18.44	18.78	18.81	20	0		
20	16QAM	50	0	18.63	18.71	18.66				
20	16QAM	50	24	18.49	18.68	18.57				
20	16QAM	50	50	18.61	18.66	18.66	20	0		
20	16QAM	100	0	18.59	18.75	18.65				
20	64QAM	1	0	18.57	18.75	18.58				
20	64QAM	1	49	18.52	18.72	18.48	20	0		
20	64QAM	1	99	18.64	18.69	18.62				
20	64QAM	50	0	18.64	18.65	18.54				
20	64QAM	50	24	18.45	18.79	18.49	20	0		
20	64QAM	50	50	18.55	18.79	18.59				
20	64QAM	100	0	18.66	18.72	18.63				
Channel				132047	132322	132607	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	0	18.83	18.83	18.72	20	0		
15	QPSK	1	37	18.44	18.61	18.56				
15	QPSK	1	74	18.52	18.68	18.65				
15	QPSK	36	0	18.75	18.81	18.78	20	0		
15	QPSK	36	20	18.66	18.58	18.52				
15	QPSK	36	39	18.54	18.49	18.46				
15	QPSK	75	0	18.77	18.84	18.73	20	0		
15	16QAM	1	0	18.66	18.64	18.53				
15	16QAM	1	37	18.54	18.60	18.54				
15	16QAM	1	74	18.45	18.73	18.56	20	0		
15	16QAM	36	0	18.59	18.60	18.51				
15	16QAM	36	20	18.54	18.36	18.32				
15	16QAM	36	39	18.66	18.65	18.67	20	0		
15	16QAM	75	0	18.52	18.64	18.70				
15	64QAM	1	0	18.48	18.70	18.57				
15	64QAM	1	37	18.39	18.72	18.42	20	0		
15	64QAM	1	74	18.68	18.59	18.50				
15	64QAM	36	0	18.67	18.56	18.55				
15	64QAM	36	20	18.50	18.65	18.56	20	0		
15	64QAM	36	39	18.45	18.83	18.60				
15	64QAM	75	0	18.71	18.56	18.65				
Channel				132022	132322	132622	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	0	18.78	18.74	18.73	20	0		
10	QPSK	1	25	18.37	18.68	18.58				
10	QPSK	1	49	18.58	18.74	18.75				
10	QPSK	25	0	18.65	18.73	18.62	20	0		
10	QPSK	25	12	18.63	18.76	18.56				
10	QPSK	25	25	18.63	18.64	18.37				
10	QPSK	50	0	18.66	18.72	18.70	20	0		
10	16QAM	1	0	18.48	18.76	18.71				
10	16QAM	1	25	18.48	18.67	18.53				
10	16QAM	1	49	18.39	18.68	18.45	20	0		
10	16QAM	25	0	18.54	18.73	18.58				
10	16QAM	25	12	18.43	18.73	18.56				
10	16QAM	25	25	18.49	18.67	18.55	20	0		
10	16QAM	50	0	18.60	18.73	18.70				
10	64QAM	1	0	18.56	18.65	18.65				
10	64QAM	1	25	18.51	18.59	18.32	20	0		
10	64QAM	1	49	18.72	18.72	18.51				
10	64QAM	25	0	18.66	18.53	18.46				
10	64QAM	25	12	18.71	18.78	18.57	20	0		
10	64QAM	25	25	18.54	18.81	18.64				
10	64QAM	50	0	18.70	18.68	18.69				
Channel				131997	132322	132647	Tune-up limit (dBm)		MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	0	18.84	18.83	18.65	20	0		
5	QPSK	1	12	18.36	18.68	18.56				



ECI3 Power

Table with 10 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 2 Ant0 NSA ECI3 across multiple channels and frequencies.

Table with 10 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 4 Ant0 NSA ECI3 across multiple channels and frequencies.

Table with 10 columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low, Power Middle, Power High, Tune-up limit (dBm), MPR (dB). Contains data for Band 66 Ant0 NSA ECI3 across multiple channels and frequencies.



Band 2 Ant4 NSA ECI3														
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				1870	1880	1900								
Frequency (MHz)				1870	1880	1900								
20	QPSK	1	0	19.71	19.73	19.65	20.5	0						
20	QPSK	1	49	19.55	19.64	19.46								
20	QPSK	1	99	19.41	19.53	19.46								
20	QPSK	50	0	19.55	19.69	19.65								
20	QPSK	50	24	19.80	19.85	19.59	20.5	0						
20	QPSK	50	50	19.57	19.65	19.58								
20	QPSK	100	0	19.59	19.61	19.55								
20	16QAM	1	0	19.59	19.63	19.50								
20	16QAM	1	49	19.39	19.53	19.48	20.5	0						
20	16QAM	1	99	19.56	19.58	19.55								
20	16QAM	50	0	19.50	19.56	19.69								
20	16QAM	50	24	19.55	19.59	19.65								
20	16QAM	50	50	19.46	19.72	19.51	20.5	0						
20	16QAM	100	0	19.47	19.60	19.57								
20	64QAM	1	0	19.57	19.50	19.55								
20	64QAM	1	49	19.46	19.66	19.67								
20	64QAM	1	99	19.38	19.71	19.46	20.5	0						
20	64QAM	50	0	19.49	19.53	19.51								
20	64QAM	50	24	19.49	19.69	19.52								
20	64QAM	50	50	19.55	19.57	19.49								
20	64QAM	100	0	19.40	19.69	19.65	20.5	0						
Channel				1887.5	1890	1912.5								
Frequency (MHz)				1887.5	1890	1902.5								
15	QPSK	1	0	19.82	19.84	19.65			20.5	0				
15	QPSK	1	37	19.53	19.60	19.35								
15	QPSK	1	74	19.33	19.49	19.30								
15	QPSK	36	0	19.43	19.65	19.49								
15	QPSK	36	20	19.45	19.50	19.45	20.5	0						
15	QPSK	36	39	19.26	19.69	19.50								
15	QPSK	75	0	19.45	19.48	19.41								
15	16QAM	1	0	19.55	19.47	19.41								
15	16QAM	1	37	19.33	19.40	19.37	20.5	0						
15	16QAM	1	74	19.50	19.60	19.36								
15	16QAM	36	0	19.41	19.59	19.61								
15	16QAM	36	20	19.57	19.50	19.46								
15	16QAM	36	39	19.44	19.63	19.52	20.5	0						
15	16QAM	75	0	19.29	19.61	19.55								
15	64QAM	1	0	19.51	19.47	19.52								
15	64QAM	1	37	19.43	19.54	19.70								
15	64QAM	1	74	19.32	19.70	19.50	20.5	0						
15	64QAM	36	0	19.49	19.39	19.44								
15	64QAM	36	20	19.45	19.56	19.46								
15	64QAM	36	39	19.45	19.51	19.44								
15	64QAM	75	0	19.33	19.59	19.55	20.5	0						
Channel				1885	1880	1905								
Frequency (MHz)				1885	1880	1905								
10	QPSK	1	0	19.72	19.69	19.69			20.5	0				
10	QPSK	1	25	19.54	19.58	19.44								
10	QPSK	1	49	19.31	19.50	19.32								
10	QPSK	25	0	19.53	19.57	19.59								
10	QPSK	25	12	19.52	19.48	19.62	20.5	0						
10	QPSK	25	25	19.41	19.51	19.61								
10	QPSK	50	0	19.45	19.42	19.52								
10	16QAM	1	0	19.41	19.67	19.33								
10	16QAM	1	25	19.36	19.48	19.50	20.5	0						
10	16QAM	1	49	19.38	19.59	19.54								
10	16QAM	25	0	19.51	19.58	19.58								
10	16QAM	25	12	19.48	19.54	19.48								
10	16QAM	25	25	19.32	19.55	19.46	20.5	0						
10	16QAM	50	0	19.45	19.52	19.39								
10	64QAM	1	0	19.56	19.39	19.51								
10	64QAM	1	25	19.35	19.47	19.62								
10	64QAM	1	49	19.41	19.60	19.33	20.5	0						
10	64QAM	25	0	19.47	19.37	19.38								
10	64QAM	25	12	19.51	19.53	19.40								
10	64QAM	25	25	19.48	19.47	19.38								
10	64QAM	50	0	19.35	19.56	19.47	20.5	0						
Channel				1882.5	1890	1917.5								
Frequency (MHz)				1882.5	1890	1907.5								
5	QPSK	1	0	19.64	19.69	19.68			20.5	0				
5	QPSK	1	12	19.43	19.51	19.44								
5	QPSK	1	24	19.34	19.43	19.48								
5	QPSK	12	0	19.44	19.54	19.54								
5	QPSK	12	7	19.51	19.54	19.39	20.5	0						
5	QPSK	12	13	19.28	19.47	19.52								
5	QPSK	25	0	19.40	19.51	19.50								
5	16QAM	1	0	19.64	19.52	19.40								
5	16QAM	1	12	19.38	19.37	19.36	20.5	0						
5	16QAM	1	24	19.42	19.42	19.49								
5	16QAM	12	0	19.47	19.35	19.69								
5	16QAM	12	7	19.46	19.67	19.70								
5	16QAM	12	13	19.41	19.70	19.40	20.5	0						
5	16QAM	25	0	19.52	19.60	19.53								
5	64QAM	1	0	19.42	19.49	19.55								
5	64QAM	1	12	19.36	19.48	19.61								
5	64QAM	1	24	19.39	19.73	19.40	20.5	0						
5	64QAM	12	0	19.45	19.41	19.33								
5	64QAM	12	7	19.51	19.72	19.49								
5	64QAM	12	13	19.40	19.46	19.52								
5	64QAM	25	0	19.45	19.53	19.58	20.5	0						
Channel				1881.5	1890	1918.5								
Frequency (MHz)				1881.5	1890	1908.5								
3	QPSK	1	0	19.56	19.65	19.59			20.5	0				
3	QPSK	1	8	19.60	19.51	19.44								
3	QPSK	1	14	19.39	19.54	19.41								
3	QPSK	8	0	19.45	19.63	19.48								
3	QPSK	8	4	19.47	19.63	19.55	20.5	0						
3	QPSK	8	7	19.32	19.64	19.47								
3	QPSK	15	0	19.54	19.61	19.41								
3	16QAM	1	0	19.44	19.45	19.45								
3	16QAM	1	8	19.41	19.51	19.50	20.5	0						
3	16QAM	1	14	19.57	19.49	19.48								
3	16QAM	8	0	19.43	19.50	19.60								
3	16QAM	8	4	19.58	19.71	19.49								
3	16QAM	8	7	19.46	19.59	19.48	20.5	0						
3	16QAM	15	0	19.47	19.45	19.41								
3	64QAM	1	0	19.51	19.37	19.43								
3	64QAM	1	8	19.49	19.70	19.62								
3	64QAM	1	14	19.20	19.60	19.32	20.5	0						
3	64QAM	8	0	19.47	19.45	19.41								
3	64QAM	8	4	19.40	19.68	19.56								
3	64QAM	8	7	19.53	19.58	19.42								
3	64QAM	15	0	19.40	19.72	19.68	20.5	0						
Channel				1880.7	1890	1919.3								
Frequency (MHz)				1880.7	1890	1909.3								
1.4	QPSK	1	0	19.54	19.70	19.60			20.5	0				
1.4	QPSK	1	3	19.57	19.51	19.48								
1.4	QPSK	1	5	19.37	19.40	19.38								
1.4	QPSK	3	0	19.45	19.52	19.54								
1.4	QPSK	3	1	19.54	19.59	19.58	20.5	0						
1.4	QPSK	3	3	19.18	19.57	19.42								
1.4	QPSK	6	0	19.45	19.58	19.46								
1.4	16QAM	1	0	19.52	19.50	19.51								
1.4	16QAM	1	3	19.39	19.35	19.44	20.5	0						
1.4	16QAM	1	5	19.55	19.43	19.55								
1.4	16QAM	3	0	19.36	19.58	19.55								
1.4	16QAM	3	1	19.37	19.66	19.56								
1.4	16QAM	3	3	19.43	19.58	19.52	20.5	0						
1.4	16QAM	6	0	19.35	19.42	19.61								
1.4	64QAM	1	0	19.61	19.50	19.45								
1.4	64QAM	1	3	19.32	19.52	19.62								
1.4	64QAM	1	5	19.28	19.45	19.33	20.5	0						
1.4	64QAM	3	0	19.32	19.45	19.37								
1.4	64QAM	3	1	19.48	19.51	19.33								
1.4	64QAM	3	3	19.59	19.59	19.42								
1.4	64QAM	6	0	19.39	19.59	19.46	20.5	0						

Band 4 Ant4 NSA ECI3												
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				2030	2015	2030						
Frequency (MHz)				1720	1732.5	1745						
20	QPSK	1	0	20.62	20.79	20.75	22	0				
20	QPSK	1	49	20.63	20.62	20.69						
20	QPSK	1	99	20.49	20.53	20.56						
20	QPSK	50	0	20.71	20.76	20.69						
20	QPSK	50	24	20.52	20.55	20.49	22	0				
20	QPSK	50	50	20.57	20.63	20.62						
20	QPSK	100	0	20.67	20.69	20.65						
20	16QAM	1	0	20.49	20.57	20.48						
20	16QAM	1	49	20.63	20.72	20.65	22	0				
20	16QAM	1	99	20.51	20.57	20.63						
20	16QAM	50	0	20.50	20.63	20.47						
20	16QAM	50	24	20.55	20.66	20.68						
20	16QAM	50	50	20.48	20.73	20.49	22	0				
20	16QAM	100	0	20.55	20.62	20.66						
20	64QAM	1	0	20.67	20.71	20.68						
20	64QAM	1	49	20.57	20.53	20.53						
20	64QAM	1	99	20.68	20.74	20.64	22	0				
20	64QAM	50	0	19.56	19.73	19.63						
20	64QAM	50	24	19.55	19.64	19.65						
20	64QAM	50	50	19.66	19.69	19.66						
20	64QAM	100	0	19.60	19.67	19.60	21	1				
Channel				200								



Band 7 Ant4 NSA ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPRR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	16.32	16.42	16.38			
20	QPSK	1	49	16.14	16.26	16.20	17.5	0	
20	QPSK	1	99	16.18	16.25	16.20			
20	QPSK	50	0	16.36	16.39	16.30			
20	QPSK	50	24	16.06	16.35	16.18	17.5	0	
20	QPSK	50	50	16.27	16.32	16.30			
20	QPSK	100	0	16.29	16.32	16.31			
20	16QAM	1	0	16.05	16.25	16.19			
20	16QAM	1	49	16.22	16.35	16.17	17.5	0	
20	16QAM	1	99	16.14	16.28	16.26			
20	16QAM	50	0	16.18	16.24	16.14			
20	16QAM	50	24	16.23	16.34	16.13	17.5	0	
20	16QAM	50	50	16.25	16.37	16.16			
20	16QAM	100	0	16.09	16.25	16.16			
20	64QAM	1	0	16.08	16.23	16.07			
20	64QAM	1	49	16.24	16.22	16.07	17.5	0	
20	64QAM	1	99	16.26	16.36	16.29			
20	64QAM	50	0	16.18	16.39	16.10			
20	64QAM	50	24	16.26	16.23	16.28	17.5	0	
20	64QAM	50	50	16.09	16.26	16.25			
20	64QAM	100	0	16.14	16.21	16.11			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	16.25	16.29	16.24			
15	QPSK	1	37	16.07	16.21	16.05	17.5	0	
15	QPSK	1	74	16.09	16.06	16.21			
15	QPSK	36	0	16.25	16.22	16.28			
15	QPSK	36	24	15.98	16.27	16.07	17.5	0	
15	QPSK	36	39	16.16	16.21	16.16			
15	QPSK	75	0	16.18	16.28	16.16			
15	16QAM	1	0	16.00	16.27	16.15			
15	16QAM	1	37	16.25	16.36	16.10	17.5	0	
15	16QAM	1	74	16.04	16.22	16.09			
15	16QAM	36	0	16.04	16.21	16.07			
15	16QAM	36	24	16.22	16.17	16.12	17.5	0	
15	16QAM	36	39	16.10	16.20	16.06			
15	16QAM	75	0	15.94	16.16	16.10			
15	64QAM	1	0	16.10	16.04	15.96			
15	64QAM	1	37	16.14	16.24	16.10	17.5	0	
15	64QAM	1	74	16.09	16.31	16.12			
15	64QAM	36	0	16.10	16.38	16.07			
15	64QAM	36	24	16.07	16.08	16.17	17.5	0	
15	64QAM	36	39	15.89	16.27	16.06			
15	64QAM	75	0	16.05	16.15	16.13			
Channel				20800	21100	21400	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	16.33	16.41	16.23			
10	QPSK	1	25	16.18	16.30	16.05	17.5	0	
10	QPSK	1	49	16.17	16.21	16.01			
10	QPSK	25	0	16.37	16.34	16.23			
10	QPSK	25	12	15.92	16.18	16.05	17.5	0	
10	QPSK	25	25	16.31	16.21	16.10			
10	QPSK	50	0	16.12	16.22	16.15			
10	16QAM	1	0	15.89	16.19	16.01			
10	16QAM	1	25	16.04	16.29	15.98	17.5	0	
10	16QAM	1	49	16.10	16.20	16.09			
10	16QAM	25	0	16.03	16.05	16.18			
10	16QAM	25	12	16.07	16.30	15.94	17.5	0	
10	16QAM	25	25	16.10	16.27	16.02			
10	16QAM	50	0	16.11	16.13	16.16			
10	64QAM	1	0	16.10	16.16	15.92			
10	64QAM	1	25	16.12	16.10	15.96	17.5	0	
10	64QAM	1	49	16.24	16.39	16.21			
10	64QAM	25	0	16.21	16.24	16.08			
10	64QAM	25	12	16.17	16.26	16.14	17.5	0	
10	64QAM	25	25	16.05	16.00	16.23			
10	64QAM	50	0	15.99	16.19	16.01			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	16.22	16.30	16.28			
5	QPSK	1	12	16.08	16.13	16.23	17.5	0	
5	QPSK	1	24	15.99	16.07	16.00			
5	QPSK	12	0	16.24	16.37	16.27			
5	QPSK	12	7	16.25	16.32	16.06	17.5	0	
5	QPSK	12	13	16.15	16.17	16.33			
5	QPSK	25	0	16.10	16.27	16.18			
5	16QAM	1	0	15.88	16.16	16.17			
5	16QAM	1	12	16.09	16.28	16.00	17.5	0	
5	16QAM	1	24	16.05	16.22	16.24			
5	16QAM	12	0	16.02	16.09	15.97			
5	16QAM	12	7	16.06	16.15	16.12	17.5	0	
5	16QAM	12	13	16.28	16.35	16.20			
5	16QAM	25	0	15.94	16.18	16.17			
5	64QAM	1	0	15.95	16.25	16.07			
5	64QAM	1	12	16.05	16.12	15.93	17.5	0	
5	64QAM	1	24	16.16	16.32	16.25			
5	64QAM	12	0	16.12	16.22	16.13			
5	64QAM	12	7	16.24	16.19	16.22	17.5	0	
5	64QAM	12	13	15.98	16.21	16.24			
5	64QAM	25	0	16.04	16.08	16.10			

Band 66 Ant4 NSA ECI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPRR (dB)	
Channel				13072	13272	13572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.85	20.91	20.87			
20	QPSK	1	49	20.59	20.71	20.65	22	0	
20	QPSK	1	99	20.55	20.67	20.68			
20	QPSK	50	0	20.79	20.67	20.78			
20	QPSK	50	24	20.49	20.84	20.55	22	0	
20	QPSK	50	50	20.58	20.79	20.45			
20	QPSK	100	0	20.79	20.85	20.81			
20	16QAM	1	0	20.61	20.78	20.57			
20	16QAM	1	49	20.45	20.70	20.46	22	0	
20	16QAM	1	99	20.56	20.66	20.69			
20	16QAM	50	0	20.47	20.76	20.64			
20	16QAM	50	24	20.46	20.70	20.56	22	0	
20	16QAM	50	50	20.59	20.79	20.45			
20	16QAM	100	0	20.61	20.77	20.49			
20	64QAM	1	0	20.60	20.79	20.52			
20	64QAM	1	49	20.46	20.85	20.56	22	0	
20	64QAM	1	99	20.62	20.75	20.64			
20	64QAM	50	0	19.67	19.77	19.82			
20	64QAM	50	24	19.75	19.84	19.64	21	1	
20	64QAM	50	50	19.79	19.84	19.84			
20	64QAM	100	0	19.77	19.84	19.73			
Channel				132047	132322	132697	Tune-up limit (dBm)	MPRR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.80	20.82	20.75			
15	QPSK	1	37	20.47	20.56	20.56	22	0	
15	QPSK	1	74	20.37	20.65	20.51			
15	QPSK	36	0	20.77	20.75	20.61			
15	QPSK	36	24	20.39	20.84	20.36	22	0	
15	QPSK	36	39	20.54	20.43	20.56			
15	QPSK	75	0	20.60	20.67	20.67			
15	16QAM	1	0	20.46	20.72	20.43			
15	16QAM	1	37	20.36	20.56	20.48	22	0	
15	16QAM	1	74	20.38	20.51	20.58			
15	16QAM	36	0	20.50	20.57	20.64			
15	16QAM	36	24	20.51	20.54	20.46	22	0	
15	16QAM	36	39	20.61	20.73	20.38			
15	16QAM	75	0	20.45	20.78	20.38			
15	64QAM	1	0	20.52	20.63	20.53			
15	64QAM	1	37	20.40	20.87	20.56	22	0	
15	64QAM	1	74	20.43	20.70	20.60			
15	64QAM	36	0	19.78	19.75	19.74			
15	64QAM	36	24	19.67	19.72	19.86			
15	64QAM	36	39	19.64	19.78				



ECI4 Power

Band 2 Ant0 NSA ECI4										
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	21.95	21.98	21.85			23	0
20	QPSK	1	49	21.81	21.93	21.73				
20	QPSK	1	99	21.73	21.88	21.76				
20	QPSK	50	0	20.88	21.00	20.79			22	1
20	QPSK	50	24	20.92	20.99	20.80				
20	QPSK	50	50	20.70	20.76	20.76				
20	QPSK	100	0	20.61	20.75	20.71				
20	16QAM	1	0	20.68	20.75	20.54			22	1
20	16QAM	1	49	20.60	20.59	20.51				
20	16QAM	1	99	20.62	20.74	20.45				
20	16QAM	50	0	19.87	19.84	19.82			21	2
20	16QAM	50	24	19.81	19.94	19.73				
20	16QAM	50	50	19.77	19.87	19.75				
20	16QAM	100	0	19.68	19.83	19.70				
20	64QAM	1	0	19.74	19.96	19.87			21	2
20	64QAM	1	49	19.73	19.90	19.78				
20	64QAM	1	99	19.82	19.83	19.73				
20	64QAM	50	0	18.91	18.84	18.67			20	3
20	64QAM	50	24	18.96	18.87	18.76				
20	64QAM	50	50	18.76	18.78	18.81				
20	64QAM	100	0	18.71	18.80	18.77				
Channel										
Frequency (MHz)										
15	QPSK	1	0	21.93	21.94	21.76			23	0
15	QPSK	1	37	21.78	21.83	21.56				
15	QPSK	1	74	21.73	21.85	21.69				
15	QPSK	36	0	20.71	20.79	20.66			22	1
15	QPSK	36	20	20.55	20.97	20.70				
15	QPSK	36	39	20.52	20.72	20.63				
15	QPSK	75	0	20.41	20.76	20.54				
15	16QAM	1	0	20.48	20.76	20.55			22	1
15	16QAM	1	37	20.49	20.59	20.35				
15	16QAM	1	74	20.53	20.76	20.46				
15	16QAM	36	0	19.83	19.87	19.64			21	2
15	16QAM	36	20	19.62	19.70	19.66				
15	16QAM	36	39	19.50	19.67	19.76				
15	16QAM	75	0	19.52	19.66	19.49				
15	64QAM	1	0	19.68	19.83	19.68			21	2
15	64QAM	1	37	19.74	19.86	19.64				
15	64QAM	1	74	19.63	19.81	19.59				
15	64QAM	36	0	18.93	18.87	18.68			20	3
15	64QAM	36	20	18.81	18.74	18.74				
15	64QAM	36	39	18.57	18.81	18.67				
15	64QAM	75	0	18.51	18.81	18.76				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.94	21.86	21.82			23	0
10	QPSK	1	25	21.68	21.73	21.61				
10	QPSK	1	49	21.66	21.86	21.72				
10	QPSK	25	0	20.75	20.79	20.81			22	1
10	QPSK	25	12	20.73	20.88	20.87				
10	QPSK	25	25	20.49	20.57	20.59				
10	QPSK	50	0	20.59	20.75	20.72				
10	16QAM	1	0	20.55	20.69	20.38			22	1
10	16QAM	1	25	20.59	20.56	20.37				
10	16QAM	1	49	20.40	20.63	20.29				
10	16QAM	25	0	19.69	19.81	19.72			21	2
10	16QAM	25	12	19.49	19.81	19.67				
10	16QAM	25	25	19.64	19.73	19.59				
10	16QAM	50	0	19.54	19.81	19.80				
10	64QAM	1	0	19.70	19.82	19.72			21	2
10	64QAM	1	25	19.58	19.70	19.80				
10	64QAM	1	49	19.79	19.74	19.68				
10	64QAM	25	0	18.96	18.76	18.48			20	3
10	64QAM	25	12	18.43	18.87	18.68				
10	64QAM	25	25	18.59	18.66	18.73				
10	64QAM	50	0	18.62	18.64	18.77				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.87	21.86	21.86			23	0
5	QPSK	1	12	21.74	21.81	21.67				
5	QPSK	1	24	21.66	21.87	21.77				
5	QPSK	12	0	20.89	20.82	20.76			22	1
5	QPSK	12	7	20.58	20.90	20.67				
5	QPSK	12	13	20.56	20.77	20.76				
5	QPSK	25	0	20.52	20.76	20.71				
5	16QAM	1	0	20.63	20.73	20.34			22	1
5	16QAM	1	12	20.48	20.61	20.34				
5	16QAM	1	24	20.60	20.76	20.36				
5	16QAM	12	0	19.68	19.88	19.70			21	2
5	16QAM	12	7	19.66	19.90	19.61				
5	16QAM	12	13	19.52	19.63	19.63				
5	16QAM	25	0	19.56	19.69	19.63				
5	64QAM	1	0	19.54	19.76	19.85			21	2
5	64QAM	1	12	19.74	19.72	19.61				
5	64QAM	1	24	19.84	19.85	19.69				
5	64QAM	12	0	18.88	18.79	18.49			20	3
5	64QAM	12	7	18.46	18.87	18.63				
5	64QAM	12	13	18.58	18.62	18.76				
5	64QAM	25	0	18.52	18.58	18.71				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.90	21.77	21.76			23	0
3	QPSK	1	6	21.75	21.88	21.68				
3	QPSK	1	14	21.61	21.87	21.68				
3	QPSK	8	0	20.81	20.95	20.68			22	1
3	QPSK	8	4	20.55	20.87	20.58				
3	QPSK	8	7	20.67	20.75	20.68				
3	QPSK	15	0	20.61	20.70	20.71				
3	16QAM	1	0	20.60	20.55	20.52			22	1
3	16QAM	1	6	20.41	20.40	20.52				
3	16QAM	1	14	20.54	20.74	20.32				
3	16QAM	8	0	19.76	19.96	19.82			21	2
3	16QAM	8	4	19.56	19.87	19.55				
3	16QAM	8	7	19.48	19.62	19.65				
3	16QAM	15	0	19.59	19.73	19.52				
3	64QAM	1	0	19.62	19.80	19.87			21	2
3	64QAM	1	6	19.70	19.85	19.73				
3	64QAM	1	14	19.85	19.89	19.74				
3	64QAM	8	0	18.84	18.69	18.69			20	3
3	64QAM	8	4	18.54	18.77	18.75				
3	64QAM	8	7	18.63	18.60	18.79				
3	64QAM	15	0	18.61	18.64	18.63				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.91	21.96	21.70			23	0
1.4	QPSK	1	3	21.80	21.80	21.67				
1.4	QPSK	1	5	21.71	21.82	21.67				
1.4	QPSK	3	0	21.76	21.80	21.78				
1.4	QPSK	3	1	21.81	21.82	21.68			22	1
1.4	QPSK	3	3	21.72	21.66	21.59				
1.4	QPSK	6	0	20.72	20.80	20.79				
1.4	16QAM	1	0	20.65	20.96	20.66			22	1
1.4	16QAM	1	3	20.53	20.57	20.60				
1.4	16QAM	1	5	20.57	20.63	20.67				
1.4	16QAM	3	0	20.51	20.60	20.54				
1.4	16QAM	3	1	20.39	20.49	20.39			21	2
1.4	16QAM	3	3	20.57	20.68	20.43				
1.4	16QAM	6	0	19.72	19.94	19.68				
1.4	64QAM	1	0	19.64	19.87	19.63			21	2
1.4	64QAM	1	3	19.87	19.87	19.74				
1.4	64QAM	1	5	19.65	19.77	19.50				
1.4	64QAM	3	0	19.57	19.76	19.74				
1.4	64QAM	3	1	19.69	19.89	19.56			20	3
1.4	64QAM	3	3	19.62	19.83	19.65				
1.4	64QAM	6	0	18.93	18.70	18.63				

Band 4 Ant0 NSA ECI4										
BW (MHz)	Modulation	RB								



Band 2 Ant4 NSA ECI4														
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)														
20	QPSK	1	0	22.94	23.19	23.14	24	0						
20	QPSK	1	49	23.06	23.14	22.90								
20	QPSK	1	99	23.00	23.08	22.97								
20	QPSK	50	0	22.07	22.29	22.12								
20	QPSK	50	24	21.96	22.23	21.99			23	1				
20	QPSK	50	50	22.05	22.26	22.11								
20	QPSK	100	0	21.87	22.13	21.95								
20	16QAM	1	0	22.01	22.08	21.85								
20	16QAM	1	49	21.88	22.00	21.91					23	1		
20	16QAM	1	99	21.73	21.95	21.85								
20	16QAM	50	0	21.14	21.25	21.06								
20	16QAM	50	24	21.02	21.19	20.99	22	2						
20	16QAM	50	50	20.90	21.14	21.04								
20	16QAM	100	0	21.05	21.21	20.98								
20	64QAM	1	0	21.03	21.16	21.05								
20	64QAM	1	49	21.05	21.10	21.03			22	2				
20	64QAM	1	99	21.07	21.06	21.01								
20	64QAM	50	0	20.18	20.21	20.04								
20	64QAM	50	24	20.06	20.13	20.15					21	3		
20	64QAM	50	50	20.11	20.17	20.00								
20	64QAM	100	0	20.04	20.10	20.01								
Channel							Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)														
15	QPSK	1	0	22.82	23.00	22.95	24	0						
15	QPSK	1	37	22.95	22.87	22.85								
15	QPSK	1	74	22.94	22.95	22.92								
15	QPSK	36	0	22.00	22.23	22.00			23	1				
15	QPSK	36	20	21.87	22.16	21.75								
15	QPSK	36	36	21.82	21.96	22.06								
15	QPSK	75	0	21.76	21.94	21.89								
15	16QAM	1	0	21.76	21.95	21.81					23	1		
15	16QAM	1	37	21.70	21.92	21.73								
15	16QAM	1	74	21.53	21.89	21.79								
15	16QAM	36	0	21.02	21.17	20.89	22	2						
15	16QAM	36	20	20.80	21.16	20.95								
15	16QAM	36	39	20.77	21.03	20.90								
15	16QAM	75	0	20.79	20.99	20.76								
15	64QAM	1	0	20.91	21.02	20.82			22	2				
15	64QAM	1	37	20.63	21.03	20.83								
15	64QAM	1	74	20.75	20.92	20.73								
15	64QAM	36	0	19.96	20.08	19.84					21	3		
15	64QAM	36	20	19.81	19.98	19.88								
15	64QAM	36	39	19.77	20.07	19.99								
15	64QAM	75	0	19.78	20.03	19.81								
Channel							Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)														
10	QPSK	1	0	22.73	23.15	22.95	24	0						
10	QPSK	1	25	22.82	22.95	22.86								
10	QPSK	1	49	22.80	23.03	22.84								
10	QPSK	25	0	21.91	22.22	22.08			23	1				
10	QPSK	25	12	21.88	22.07	21.94								
10	QPSK	25	25	21.91	21.93	21.86								
10	QPSK	50	0	21.69	21.96	21.76								
10	16QAM	1	0	21.78	21.90	21.69					23	1		
10	16QAM	1	25	21.82	21.90	21.67								
10	16QAM	1	49	21.58	21.84	21.75								
10	16QAM	25	0	20.96	21.16	20.99	22	2						
10	16QAM	25	12	20.89	21.15	20.78								
10	16QAM	25	25	20.76	20.99	20.83								
10	16QAM	50	0	20.95	21.02	20.88								
10	64QAM	1	0	20.88	20.98	20.98			22	2				
10	64QAM	1	25	20.80	21.06	20.95								
10	64QAM	1	49	20.83	20.81	20.78								
10	64QAM	25	0	20.04	20.15	19.90					21	3		
10	64QAM	25	12	20.00	19.88	19.95								
10	64QAM	25	25	20.02	20.04	19.83								
10	64QAM	50	0	19.88	19.90	19.83								
Channel							Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)														
5	QPSK	1	0	22.71	22.99	23.10	24	0						
5	QPSK	1	12	22.85	23.01	22.75								
5	QPSK	1	24	22.74	22.92	22.70								
5	QPSK	12	0	22.63	22.07	22.63			23	1				
5	QPSK	12	7	21.69	22.09	21.90								
5	QPSK	12	13	21.91	22.00	22.03								
5	QPSK	25	0	21.73	22.01	21.88								
5	16QAM	1	0	21.95	21.88	21.64					23	1		
5	16QAM	1	12	21.70	21.78	21.72								
5	16QAM	1	24	21.50	21.75	21.82								
5	16QAM	12	0	21.09	21.63	20.99	22	2						
5	16QAM	12	7	20.99	21.03	20.72								
5	16QAM	12	13	20.77	20.89	20.97								
5	16QAM	25	0	20.96	21.09	20.74								
5	64QAM	1	0	20.77	20.90	21.00			22	2				
5	64QAM	1	12	20.78	20.95	20.99								
5	64QAM	1	24	20.90	20.88	20.79								
5	64QAM	12	0	20.06	20.05	19.76					21	3		
5	64QAM	12	7	19.79	20.02	20.08								
5	64QAM	12	13	19.89	20.04	19.95								
5	64QAM	25	0	19.82	19.99	19.93								
Channel							Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)														
3	QPSK	1	0	22.88	22.98	22.99	24	0						
3	QPSK	1	8	22.95	23.00	22.71								
3	QPSK	1	14	22.84	22.96	22.88								
3	QPSK	8	0	21.81	22.03	21.90			23	1				
3	QPSK	8	4	21.86	22.17	21.79								
3	QPSK	8	7	21.95	22.07	22.04								
3	QPSK	15	0	21.83	22.03	21.88								
3	16QAM	1	0	21.83	21.91	21.66					23	1		
3	16QAM	1	8	21.71	21.73	21.72								
3	16QAM	1	14	21.65	21.77	21.63								
3	16QAM	8	0	21.09	21.10	20.95	22	2						
3	16QAM	8	4	20.90	21.02	20.80								
3	16QAM	8	7	20.73	20.95	20.94								
3	16QAM	15	0	20.82	20.95	20.77								
3	64QAM	1	0	20.87	21.04	20.83			22	2				
3	64QAM	1	8	20.83	20.97	20.90								
3	64QAM	1	14	20.84	20.91	20.71								
3	64QAM	8	0	20.05	20.11	19.84					21	3		
3	64QAM	8	4	19.99	19.99	19.70								
3	64QAM	8	7	19.81	20.04	19.91								
3	64QAM	15	0	19.83	19.84	19.70								
Channel							Tune-up limit (dBm)	MPR (dB)						
Frequency (MHz)														
1.4	QPSK	1	0	22.68	22.93	23.03	24	0						
1.4	QPSK	1	3	23.03	23.01	22.77								
1.4	QPSK	1	5	22.78	22.94	22.76								
1.4	QPSK	3	0	22.87	23.04	22.94			23	1				
1.4	QPSK	3	1	22.96	22.93	22.64								
1.4	QPSK	3	3	22.92	22.96	22.94								
1.4	QPSK	6	0	21.62	22.07	21.77								
1.4	16QAM	1	0	21.78	21.84	21.80					23	1		
1.4	16QAM	1	3	21.83	21.88	21.69								
1.4	16QAM	1	5	21.86	21.74	21.59								
1.4	16QAM	3	0	21.80	21.87	21.74	22	2						
1.4	16QAM	3	1	21.79	21.85	21.72								
1.4	16QAM	3	3	21.65	21.85	21.70								
1.4	64QAM	1	0	20.69	20.93	20.75			22	2				
1.4	64QAM	1	3	20.80	21.01	20.97								
1.4	64QAM	1	5	20.74	20.99	20.99								
1.4	64QAM	3	0	20.76	20.96	21.00							21	3
1.4	64QAM	3	1	20.85	20.95	20.71								
1.4	64QAM	3	3	20.88	20.97	20.95								
1.4	64QAM	6	0	19.84	19.86	19.74								

Band 4 Ant4 NSA ECI4												
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)												
20	QPSK	1	0	22.57	22.73	22.69	24	0				
20	QPSK	1	49	22.49	22.65	22.52						
20	QPSK	1	99	22.40	22.60	22.46						
20	QPSK	50	0	21.71	21.76	21.70			23	1		
20	QPSK	50	24	21.55	21.70	21.58						
20	QPSK	50	50	21.61	21.65	21.60						
20	QPSK	100										



Band 7 Ant4 NSA ECI4									
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				2590	2535	2550			
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	0	22.79	22.93	22.80			
20	QPSK	1	49	22.56	22.86	22.64	24	0	
20	QPSK	1	99	22.51	22.66	22.69			
20	QPSK	50	0	21.80	21.88	21.76			
20	QPSK	50	24	21.61	21.85	21.74	23	1	
20	QPSK	50	50	21.77	21.68	21.77			
20	QPSK	100	0	21.76	21.81	21.63			
20	16QAM	1	0	21.84	21.76	21.70			
20	16QAM	1	49	21.82	21.78	21.79	23	1	
20	16QAM	1	99	21.65	21.75	21.56			
20	16QAM	50	0	20.73	20.83	20.79			
20	16QAM	50	24	20.68	20.80	20.72	22	2	
20	16QAM	50	50	20.64	20.89	20.54			
20	16QAM	100	0	20.72	20.89	20.72			
20	64QAM	1	0	20.81	20.74	20.63			
20	64QAM	1	49	20.46	20.84	20.52	22	2	
20	64QAM	1	99	20.42	20.63	20.61			
20	64QAM	50	0	19.71	19.88	19.84			
20	64QAM	50	24	19.75	19.84	19.71	21	3	
20	64QAM	50	50	19.68	19.86	19.81			
20	64QAM	100	0	19.75	19.82	19.73			
Channel				20825	21100	21376			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.81	22.85	22.90			
15	QPSK	1	37	22.53	22.85	22.55	24	0	
15	QPSK	1	74	22.66	22.68	22.66			
15	QPSK	36	0	21.85	21.84	21.78			
15	QPSK	36	39	21.77	21.93	21.84	23	1	
15	QPSK	36	39	21.68	21.77	21.81			
15	QPSK	75	0	21.54	21.96	21.82			
15	16QAM	1	0	21.78	21.92	21.89			
15	16QAM	1	37	21.80	21.65	21.75	23	1	
15	16QAM	1	74	21.68	21.65	21.69			
15	16QAM	36	0	20.83	20.98	20.81			
15	16QAM	36	39	20.72	20.77	20.83	22	2	
15	16QAM	36	39	20.82	20.82	20.85			
15	16QAM	75	0	20.58	20.85	20.74			
15	64QAM	1	0	20.78	20.85	20.64			
15	64QAM	1	37	20.50	20.63	20.54	22	2	
15	64QAM	1	74	20.54	20.67	20.66			
15	64QAM	36	0	19.72	19.83	19.68			
15	64QAM	36	39	19.75	19.81	19.84	21	3	
15	64QAM	36	39	19.87	19.80	19.77			
15	64QAM	75	0	19.77	19.92	19.84			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.81	22.87	22.76			
10	QPSK	1	25	22.74	22.68	22.64	24	0	
10	QPSK	1	49	22.62	22.70	22.48			
10	QPSK	25	0	21.93	21.82	21.72			
10	QPSK	25	12	21.81	21.90	21.76	23	1	
10	QPSK	25	25	21.71	21.84	21.80			
10	QPSK	50	0	21.53	21.83	21.76			
10	16QAM	1	0	21.81	21.83	21.74			
10	16QAM	1	25	21.82	21.69	21.56	23	1	
10	16QAM	1	49	21.47	21.72	21.59			
10	16QAM	25	0	20.89	21.00	20.86			
10	16QAM	25	12	20.59	20.91	20.81	22	2	
10	16QAM	25	25	20.74	20.87	20.84			
10	16QAM	50	0	20.75	20.92	20.62			
10	64QAM	1	0	20.85	20.77	20.67			
10	64QAM	1	25	20.64	20.65	20.64	22	2	
10	64QAM	1	49	20.46	20.66	20.61			
10	64QAM	25	0	19.59	19.83	19.85			
10	64QAM	25	12	19.69	19.75	19.72	21	3	
10	64QAM	25	25	19.74	19.81	19.92			
10	64QAM	50	0	19.62	19.92	19.69			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.62	22.78	22.84			
5	QPSK	1	12	22.67	22.70	22.67	24	0	
5	QPSK	1	24	22.49	22.80	22.66			
5	QPSK	12	0	21.92	21.90	21.86			
5	QPSK	12	7	21.75	21.89	21.80	23	1	
5	QPSK	12	13	21.79	21.70	21.72			
5	QPSK	25	0	21.55	21.89	21.62			
5	16QAM	1	0	21.86	21.80	21.70			
5	16QAM	1	12	21.66	21.71	21.70	23	1	
5	16QAM	1	24	21.49	21.63	21.70			
5	16QAM	12	0	20.81	21.00	20.82			
5	16QAM	12	7	20.76	20.79	20.62	22	2	
5	16QAM	12	13	20.75	20.86	20.57			
5	16QAM	25	0	20.65	20.80	20.57			
5	64QAM	1	0	20.89	20.75	20.50			
5	64QAM	1	12	20.50	20.61	20.69	22	2	
5	64QAM	1	24	20.50	20.70	20.62			
5	64QAM	12	0	19.65	19.76	19.73			
5	64QAM	12	7	19.58	19.67	19.77	21	3	
5	64QAM	12	13	19.80	19.72	19.79			
5	64QAM	25	0	19.71	19.87	19.80			

Band 66 Ant4 NSA ECI4									
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				13272	13272	13272			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.66	22.88	22.70			
20	QPSK	1	49	22.69	22.79	22.65	24	0	
20	QPSK	1	99	22.58	22.71	22.67			
20	QPSK	50	0	21.74	21.98	21.78			
20	QPSK	50	24	21.67	21.81	21.67	23	1	
20	QPSK	50	50	21.79	21.76	21.82			
20	QPSK	100	0	21.53	21.83	21.65			
20	16QAM	1	0	21.88	21.76	21.72			
20	16QAM	1	49	21.71	21.79	21.67	23	1	
20	16QAM	1	99	21.55	21.78	21.51			
20	16QAM	50	0	20.80	20.86	20.90			
20	16QAM	50	24	20.68	20.86	20.71	22	2	
20	16QAM	50	50	20.70	20.75	20.67			
20	16QAM	100	0	20.57	20.80	20.56			
20	64QAM	1	0	20.75	20.67	20.52			
20	64QAM	1	49	20.36	20.69	20.56	22	2	
20	64QAM	1	99	20.42	20.64	20.56			
20	64QAM	50	0	19.67	19.77	19.82			
20	64QAM	50	24	19.75	19.84	19.84	21	3	
20	64QAM	50	50	19.79	19.84	19.84			
20	64QAM	100	0	19.77	19.84	19.73			
Channel				132047	132322	132647			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.59	22.77	22.68			
15	QPSK	1	37	22.48	22.73	22.58	24	0	
15	QPSK	1	74	22.61	22.79	22.52			
15	QPSK	36	0	21.91	21.86	21.84			
15	QPSK	36	39	21.73	21.71	21.80	23	1	
15	QPSK	36	39	21.65	21.79	21.77			
15	QPSK	75	0	21.60	21.81	21.80			
15	16QAM	1	0	21.79	21.73	21.71			
15	16QAM	1	37	21.70	21.79	21.59	23	1	
15	16QAM	1	74	21.53	21.61	21.66			
15	16QAM	36	0	20.73	20.90	20.96			
15	16QAM	36	39	20.84	20.91	20.81	22	2	
15	16QAM	36	39	20.62	20.87	20.71			
15	16QAM	75	0	20.70	20.92	20.56			
15	64QAM	1	0	20.82	20.70	20.44			
15	64QAM	1	37	20.37	20.59	20.63	22	2	
15	64QAM	1	74	20.42	20.65	20.61			
15	64QAM	36	0	19.78	19.75	19.74			
15	64QAM	36	39	19.67	19.72	19.86	21	3	
15	64QAM	36	39	19.64	19.78	19.81			
15	64QAM	75	0	19.61	19.78				



ECI6 Power

Band 2 Ant0 NSA ECI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (1870)	Power Middle Ch./Freq. (1880)	Power High Ch./Freq. (1900)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	14.90	15.01	14.96	16	0	0
20	QPSK	1	49	14.80	14.74	14.79			
20	QPSK	1	99	14.74	14.97	14.67	16	0	0
20	QPSK	50	0	14.92	14.96	14.85			
20	QPSK	50	24	14.79	14.83	14.81	16	0	0
20	QPSK	50	50	14.85	14.75	14.79			
20	QPSK	100	0	14.88	14.92	14.83	16	0	0
20	16QAM	1	0	14.73	14.87	14.63			
20	16QAM	1	49	14.88	14.80	14.61	16	0	0
20	16QAM	1	99	14.73	14.75	14.83			
20	16QAM	50	0	14.94	14.97	14.75	16	0	0
20	16QAM	50	24	14.91	14.76	14.73			
20	16QAM	50	50	14.79	14.94	14.81	16	0	0
20	16QAM	100	0	14.73	14.84	14.76			
20	64QAM	1	0	14.81	14.77	14.77	16	0	0
20	64QAM	1	49	14.88	14.93	14.73			
20	64QAM	1	99	14.87	14.81	14.71	16	0	0
20	64QAM	50	0	14.87	14.78	14.70			
20	64QAM	50	24	14.80	14.86	14.86	16	0	0
20	64QAM	50	50	14.88	14.91	14.67			
20	64QAM	100	0	14.79	14.80	14.71	16	0	0
Channel									
Frequency (MHz)									
15	QPSK	1	0	14.76	14.94	14.97	16	0	0
15	QPSK	1	37	14.63	14.57	14.83			
15	QPSK	1	74	14.71	14.87	14.53	16	0	0
15	QPSK	36	0	14.91	14.92	14.86			
15	QPSK	36	20	14.81	14.86	14.70	16	0	0
15	QPSK	36	39	14.73	14.79	14.81			
15	QPSK	75	0	14.81	14.89	14.87	16	0	0
15	16QAM	1	0	14.79	14.85	14.50			
15	16QAM	1	37	14.87	14.81	14.65	16	0	0
15	16QAM	1	74	14.57	14.59	14.75			
15	16QAM	36	0	14.91	14.92	14.85	16	0	0
15	16QAM	36	20	14.82	14.77	14.76			
15	16QAM	36	39	14.63	14.87	14.81	16	0	0
15	16QAM	75	0	14.67	14.66	14.67			
15	64QAM	1	0	14.68	14.62	14.79	16	0	0
15	64QAM	1	37	14.93	14.76	14.67			
15	64QAM	1	74	14.78	14.76	14.70	16	0	0
15	64QAM	36	0	14.86	14.80	14.76			
15	64QAM	36	20	14.90	14.87	14.68	16	0	0
15	64QAM	36	39	14.83	14.84	14.72			
15	64QAM	75	0	14.82	14.65	14.55	16	0	0
Channel									
Frequency (MHz)									
10	QPSK	1	0	14.78	14.94	14.83	16	0	0
10	QPSK	1	25	14.72	14.68	14.68			
10	QPSK	1	49	14.58	14.67	14.50	16	0	0
10	QPSK	25	0	14.91	14.92	14.87			
10	QPSK	25	12	14.71	14.69	14.71	16	0	0
10	QPSK	25	25	14.82	14.60	14.78			
10	QPSK	50	0	14.82	14.87	14.75	16	0	0
10	16QAM	1	0	14.73	14.83	14.55			
10	16QAM	1	25	14.77	14.66	14.64	16	0	0
10	16QAM	1	49	14.75	14.59	14.80			
10	16QAM	25	0	14.85	14.90	14.81	16	0	0
10	16QAM	25	12	14.97	14.61	14.69			
10	16QAM	25	25	14.77	14.86	14.76	16	0	0
10	16QAM	50	0	14.75	14.70	14.81			
10	64QAM	1	0	14.72	14.71	14.82	16	0	0
10	64QAM	1	25	14.79	14.78	14.77			
10	64QAM	1	49	14.91	14.75	14.55	16	0	0
10	64QAM	25	0	14.83	14.83	14.67			
10	64QAM	25	12	14.86	14.88	14.60	16	0	0
10	64QAM	25	25	14.77	14.93	14.72			
10	64QAM	50	0	14.64	14.72	14.58	16	0	0
Channel									
Frequency (MHz)									
5	QPSK	1	0	14.81	14.92	14.97	16	0	0
5	QPSK	1	12	14.71	14.65	14.63			
5	QPSK	1	24	14.71	14.87	14.60	16	0	0
5	QPSK	12	0	14.94	14.97	14.79			
5	QPSK	12	7	14.81	14.70	14.87	16	0	0
5	QPSK	12	13	14.89	14.81	14.73			
5	QPSK	25	0	14.90	14.81	14.73	16	0	0
5	16QAM	1	0	14.56	14.84	14.58			
5	16QAM	1	12	14.80	14.72	14.54	16	0	0
5	16QAM	1	24	14.85	14.61	14.61			
5	16QAM	12	0	14.78	14.81	14.79	16	0	0
5	16QAM	12	7	14.76	14.70	14.73			
5	16QAM	12	13	14.68	14.95	14.83	16	0	0
5	16QAM	25	0	14.68	14.71	14.71			
5	64QAM	1	0	14.80	14.67	14.74	16	0	0
5	64QAM	1	12	14.77	14.97	14.75			
5	64QAM	1	24	14.80	14.70	14.56	16	0	0
5	64QAM	12	0	14.83	14.78	14.60			
5	64QAM	12	7	14.80	14.91	14.61	16	0	0
5	64QAM	12	13	14.73	14.73	14.64			
5	64QAM	25	0	14.62	14.86	14.57	16	0	0
Channel									
Frequency (MHz)									
3	QPSK	1	0	14.80	14.98	14.94	16	0	0
3	QPSK	1	8	14.70	14.65	14.84			
3	QPSK	1	14	14.64	14.92	14.61	16	0	0
3	QPSK	8	0	14.94	14.98	14.79			
3	QPSK	8	4	14.81	14.87	14.72	16	0	0
3	QPSK	8	7	14.87	14.57	14.72			
3	QPSK	15	0	14.72	14.80	14.89	16	0	0
3	16QAM	1	0	14.57	14.81	14.68			
3	16QAM	1	8	14.74	14.84	14.60	16	0	0
3	16QAM	1	14	14.65	14.69	14.86			
3	16QAM	8	0	14.80	14.85	14.66	16	0	0
3	16QAM	8	4	14.79	14.63	14.60			
3	16QAM	8	7	14.77	14.97	14.81	16	0	0
3	16QAM	15	0	14.64	14.76	14.70			
3	64QAM	1	0	14.71	14.67	14.71	16	0	0
3	64QAM	1	8	14.82	14.62	14.64			
3	64QAM	1	14	14.73	14.75	14.58	16	0	0
3	64QAM	8	0	14.79	14.70	14.67			
3	64QAM	8	4	14.93	14.73	14.50	16	0	0
3	64QAM	8	7	14.75	14.74	14.54			
3	64QAM	15	0	14.65	14.66	14.72	16	0	0
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	14.84	14.90	14.97	16	0	0
1.4	QPSK	1	3	14.80	14.73	14.84			
1.4	QPSK	1	5	14.78	14.87	14.66	16	0	0
1.4	QPSK	3	0	14.91	14.98	14.88			
1.4	QPSK	3	1	14.82	14.87	14.64	16	0	0
1.4	QPSK	3	3	14.87	14.67	14.68			
1.4	QPSK	6	0	14.78	14.87	14.87	16	0	0
1.4	16QAM	1	0	14.69	14.82	14.62			
1.4	16QAM	1	3	14.73	14.73	14.66	16	0	0
1.4	16QAM	1	5	14.71	14.80	14.86			
1.4	16QAM	3	0	14.90	14.89	14.76	16	0	0
1.4	16QAM	3	1	14.89	14.73	14.68			
1.4	16QAM	3	3	14.85	14.94	14.74	16	0	0
1.4	16QAM	6	0	14.55	14.89	14.66			
1.4	64QAM	1	0	14.64	14.81	14.68	16	0	0
1.4	64QAM	1	3	14.59	14.77	14.60			
1.4	64QAM	1	5	14.73	14.86	14.60	16	0	0
1.4	64QAM	3	0	14.82	14.80	14.72			
1.4	64QAM	3	1	14.80	14.77	14.64	16	0	0
1.4	64QAM	3	3	14.91	14.81	14.49			
1.4	64QAM	6	0	14.82	14.70	14.68	16	0	0

Band 4 Ant0 NSA ECI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (2050)	Power Middle Ch./Freq. (2075)	Power High Ch./Freq. (2100)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	0	19.45	19.51	19.48	20.5	0	0
20	QPSK	1	49	19.16	19.37	19.35			
20	QPSK	1	99	19.20	19.33	19.42	20.5	0	0
20	QPSK	50	0	19.16	19.47	19.37			
20	QPSK	50	24	19.15	19.59	19.44	20.5	0	0
20	QPSK	50	50	19.1					



Band 2 Ant4 NSA ECI6										
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				1870	1880	1900				
Frequency (MHz)				1870	1880	1900				
20	QPSK	1	0	20.65	20.69	20.56	21.5	0		
20	QPSK	1	49	20.56	20.63	20.43				
20	QPSK	1	99	20.34	20.51	20.50				
20	QPSK	50	0	20.54	20.66	20.58	21.5	0		
20	QPSK	50	24	20.49	20.51	20.44				
20	QPSK	50	50	20.57	20.59	20.53				
20	QPSK	100	0	20.47	20.58	20.55	21.5	0		
20	16QAM	1	0	20.51	20.63	20.64				
20	16QAM	1	49	20.50	20.64	20.60				
20	16QAM	1	99	20.48	20.49	20.51	21.5	0		
20	16QAM	50	0	20.40	20.54	20.60				
20	16QAM	50	24	20.55	20.65	20.47				
20	16QAM	50	50	20.42	20.59	20.53	21.5	0		
20	16QAM	100	0	20.35	20.52	20.50				
20	64QAM	1	0	20.57	20.47	20.48				
20	64QAM	1	49	20.41	20.59	20.59	21.5	0		
20	64QAM	1	99	20.43	20.49	20.51				
20	64QAM	50	0	20.18	20.21	20.04				
20	64QAM	50	24	20.06	20.13	20.15	21	0.5		
20	64QAM	50	50	20.11	20.17	20.00				
20	64QAM	100	0	20.04	20.10	20.01				
Channel				1887.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1880	1902.5				
15	QPSK	1	0	20.60	20.61	20.56	21.5	0		
15	QPSK	1	37	20.38	20.44	20.40				
15	QPSK	1	74	20.21	20.53	20.51				
15	QPSK	36	0	20.42	20.62	20.62	21.5	0		
15	QPSK	36	20	20.41	20.62	20.35				
15	QPSK	36	39	20.62	20.59	20.47				
15	QPSK	75	0	20.32	20.57	20.59	21.5	0		
15	16QAM	1	0	20.43	20.62	20.63				
15	16QAM	1	37	20.50	20.55	20.46				
15	16QAM	1	74	20.49	20.49	20.34	21.5	0		
15	16QAM	36	0	20.24	20.47	20.50				
15	16QAM	36	20	20.46	20.47	20.38				
15	16QAM	36	39	20.34	20.43	20.30	21.5	0		
15	16QAM	75	0	20.26	20.44	20.41				
15	64QAM	1	0	20.53	20.41	20.46				
15	64QAM	1	37	20.41	20.48	20.58	21.5	0		
15	64QAM	1	74	20.43	20.47	20.47				
15	64QAM	36	0	19.96	20.08	19.84				
15	64QAM	36	20	19.81	19.88	19.68	21	0.5		
15	64QAM	36	39	19.77	20.07	19.99				
15	64QAM	75	0	19.78	20.03	19.81				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1905				
10	QPSK	1	0	20.58	20.57	20.42	21.5	0		
10	QPSK	1	25	20.60	20.55	20.25				
10	QPSK	1	49	20.36	20.52	20.49				
10	QPSK	25	0	20.55	20.63	20.48	21.5	0		
10	QPSK	25	12	20.43	20.32	20.38				
10	QPSK	25	25	20.41	20.46	20.41				
10	QPSK	50	0	20.50	20.56	20.50	21.5	0		
10	16QAM	1	0	20.45	20.62	20.47				
10	16QAM	1	25	20.53	20.67	20.53				
10	16QAM	1	49	20.46	20.36	20.42	21.5	0		
10	16QAM	25	0	20.37	20.55	20.61				
10	16QAM	25	12	20.48	20.62	20.33				
10	16QAM	25	25	20.38	20.60	20.50	21.5	0		
10	16QAM	50	0	20.35	20.49	20.52				
10	64QAM	1	0	20.51	20.49	20.44				
10	64QAM	1	25	20.42	20.47	20.40	21.5	0		
10	64QAM	1	49	20.33	20.33	20.47				
10	64QAM	25	0	20.04	20.15	19.90				
10	64QAM	25	12	20.00	19.88	19.85	21	0.5		
10	64QAM	25	25	20.02	20.04	19.83				
10	64QAM	50	0	19.88	19.90	19.83				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	20.51	20.50	20.57	21.5	0		
5	QPSK	1	12	20.41	20.47	20.32				
5	QPSK	1	24	20.22	20.45	20.49				
5	QPSK	12	0	20.56	20.59	20.61	21.5	0		
5	QPSK	12	7	20.39	20.37	20.32				
5	QPSK	12	13	20.42	20.46	20.43				
5	QPSK	25	0	20.31	20.41	20.49	21.5	0		
5	16QAM	1	0	20.50	20.58	20.46				
5	16QAM	1	12	20.40	20.45	20.56				
5	16QAM	1	24	20.47	20.31	20.47	21.5	0		
5	16QAM	12	0	20.37	20.36	20.56				
5	16QAM	12	7	20.51	20.57	20.30				
5	16QAM	12	13	20.46	20.54	20.53	21.5	0		
5	16QAM	25	0	20.17	20.41	20.47				
5	64QAM	1	0	20.60	20.43	20.49				
5	64QAM	1	12	20.26	20.53	20.56	21.5	0		
5	64QAM	1	24	20.42	20.47	20.55				
5	64QAM	12	0	20.08	20.05	19.76				
5	64QAM	12	7	19.79	20.02	20.08	21	0.5		
5	64QAM	12	13	19.88	20.04	19.85				
5	64QAM	25	0	19.82	19.99	19.83				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1906.5				
3	QPSK	1	0	20.67	20.52	20.42	21.5	0		
3	QPSK	1	8	20.57	20.67	20.47				
3	QPSK	1	14	20.32	20.53	20.40				
3	QPSK	8	0	20.59	20.58	20.46	21.5	0		
3	QPSK	8	4	20.40	20.37	20.28				
3	QPSK	8	7	20.45	20.55	20.53				
3	QPSK	15	0	20.50	20.44	20.38	21.5	0		
3	16QAM	1	0	20.55	20.62	20.67				
3	16QAM	1	8	20.43	20.67	20.55				
3	16QAM	1	14	20.36	20.39	20.39	21.5	0		
3	16QAM	8	0	20.43	20.41	20.44				
3	16QAM	8	4	20.39	20.50	20.36				
3	16QAM	8	7	20.40	20.62	20.56	21.5	0		
3	16QAM	15	0	20.19	20.34	20.40				
3	64QAM	1	0	20.56	20.51	20.31				
3	64QAM	1	8	20.40	20.62	20.57	21.5	0		
3	64QAM	1	14	20.36	20.44	20.41				
3	64QAM	8	0	20.05	20.11	19.84				
3	64QAM	8	4	19.99	19.99	19.70	21	0.5		
3	64QAM	8	7	19.81	20.04	19.91				
3	64QAM	15	0	19.83	19.84	19.70				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	20.51	20.51	20.58	21.5	0		
1.4	QPSK	1	3	20.42	20.57	20.44				
1.4	QPSK	1	5	20.24	20.51	20.33				
1.4	QPSK	3	0	20.55	20.63	20.48	21.5	0		
1.4	QPSK	3	1	20.31	20.53	20.48				
1.4	QPSK	3	3	20.46	20.45	20.50				
1.4	QPSK	6	0	20.30	20.39	20.41	21.5	0		
1.4	16QAM	1	0	20.37	20.49	20.57				
1.4	16QAM	1	3	20.47	20.60	20.60				
1.4	16QAM	1	5	20.43	20.42	20.54	21.5	0		
1.4	16QAM	3	0	20.31	20.46	20.53				
1.4	16QAM	3	1	20.49	20.57	20.41				
1.4	16QAM	3	3	20.23	20.61	20.38	21.5	0		
1.4	16QAM	6	0	20.30	20.54	20.46				
1.4	64QAM	1	0	20.43	20.37	20.32				
1.4	64QAM	1	3	20.35	20.47	20.45	21.5	0		
1.4	64QAM	1	5	20.37	20.52	20.39				
1.4	64QAM	3	0	20.44	20.50	20.46				
1.4	64QAM	3	1	20.36	20.41	20.59	21.5	0		
1.4	64QAM	3	3	20.48	20.52	20.40				
1.4	64QAM	6	0	19.84	19.86	19.74				

Band 4 Ant4 NSA ECI6										
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				2030	2015	2030				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	22.57	22.73	22.69	24	0		
20	QPSK	1	49	22.49	22.65	22.52				
20	QPSK	1	99	22.40	22.60	22.46				
20	QPSK	50	0	21.71	21.76	21.70	23	1		
20	QPSK	50	24	21.55	21.70	21.58				
20	QPSK	50	50	21.61	21.65	21.60				
20	QPSK	100	0	21.51	21.72	21.58	23	1		
20	16QAM	1	0	21.67	21.68	21.61				
20	16QAM	1	49	21.58	21.62	21.54				
20	16QAM	1	99	21.43	21.58	21.47	22	2		
20	16QAM	50	0	20.63	20.78	20.76				
20	16QAM	50	24	20.51	20.70	20.57				
20	16QAM	50	50	20.62	20.74	20.62	22	2		
20	16QAM	100	0	20.53	20.72	20.53				
20	64QAM	1	0	20.65	20.64	20.43				
20	64QAM	1	49	20.38	20.58	20.49	22	2		



Band 7 Ant4 NSA ECI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.88	18.92	18.87		
20	QPSK	1	49	18.65	18.81	18.56	20	0
20	QPSK	1	99	18.56	18.68	18.68		
20	QPSK	50	0	18.75	18.89	18.88		
20	QPSK	50	24	18.78	18.70	18.58	20	0
20	QPSK	50	50	18.65	18.84	18.76		
20	QPSK	100	0	18.74	18.85	18.81		
20	16QAM	1	0	18.73	18.70	18.73		
20	16QAM	1	49	18.75	18.74	18.65	20	0
20	16QAM	1	99	18.72	18.73	18.68		
20	16QAM	50	0	18.59	18.68	18.70		
20	16QAM	50	24	18.67	18.61	18.77	20	0
20	16QAM	50	50	18.75	18.89	18.67		
20	16QAM	100	0	18.74	18.83	18.68		
20	64QAM	1	0	18.70	18.89	18.69		
20	64QAM	1	49	18.54	18.78	18.68	20	0
20	64QAM	1	99	18.65	18.84	18.56		
20	64QAM	50	0	18.70	18.74	18.73		
20	64QAM	50	24	18.77	18.91	18.63	20	0
20	64QAM	50	50	18.77	18.89	18.75		
20	64QAM	100	0	18.59	18.90	18.56		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.78	18.83	18.80		
15	QPSK	1	37	18.51	18.83	18.61	20	0
15	QPSK	1	74	18.51	18.59	18.51		
15	QPSK	36	0	18.63	18.81	18.80		
15	QPSK	36	21	18.73	18.92	18.58	20	0
15	QPSK	36	39	18.51	18.84	18.80		
15	QPSK	75	0	18.68	18.83	18.79		
15	16QAM	1	0	18.60	18.65	18.65		
15	16QAM	1	37	18.67	18.62	18.57	20	0
15	16QAM	1	74	18.58	18.74	18.72		
15	16QAM	36	0	18.55	18.50	18.61		
15	16QAM	36	20	18.52	18.60	18.74	20	0
15	16QAM	36	39	18.62	18.86	18.82		
15	16QAM	75	0	18.56	18.82	18.51		
15	64QAM	1	0	18.66	18.91	18.54		
15	64QAM	1	37	18.52	18.60	18.70	20	0
15	64QAM	1	74	18.51	18.85	18.56		
15	64QAM	36	0	18.73	18.61	18.62		
15	64QAM	36	21	18.72	18.92	18.53	20	0
15	64QAM	36	39	18.67	18.71	18.68		
15	64QAM	75	0	18.53	18.72	18.47		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.91	18.89	18.81		
10	QPSK	1	25	18.66	18.63	18.45	20	0
10	QPSK	1	49	18.58	18.57	18.55		
10	QPSK	25	0	18.74	18.82	18.77		
10	QPSK	25	12	18.69	18.63	18.53	20	0
10	QPSK	25	25	18.70	18.82	18.72		
10	QPSK	50	0	18.64	18.76	18.69		
10	16QAM	1	0	18.63	18.56	18.57		
10	16QAM	1	25	18.64	18.72	18.51	20	0
10	16QAM	1	49	18.58	18.55	18.65		
10	16QAM	25	0	18.62	18.61	18.58		
10	16QAM	25	12	18.64	18.74	18.61	20	0
10	16QAM	25	25	18.56	18.86	18.59		
10	16QAM	50	0	18.62	18.69	18.52		
10	64QAM	1	0	18.60	18.77	18.66		
10	64QAM	1	25	18.55	18.71	18.68	20	0
10	64QAM	1	49	18.59	18.81	18.52		
10	64QAM	25	0	18.66	18.73	18.65		
10	64QAM	25	12	18.70	18.79	18.56	20	0
10	64QAM	25	25	18.78	18.70	18.74		
10	64QAM	50	0	18.46	18.87	18.47		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.70	18.90	18.73		
5	QPSK	1	12	18.62	18.81	18.55	20	0
5	QPSK	1	24	18.45	18.72	18.65		
5	QPSK	12	0	18.60	18.86	18.82		
5	QPSK	12	7	18.64	18.64	18.41	20	0
5	QPSK	12	13	18.46	18.78	18.71		
5	QPSK	25	0	18.75	18.80	18.78		
5	16QAM	1	0	18.65	18.67	18.77		
5	16QAM	1	12	18.61	18.62	18.56	20	0
5	16QAM	1	24	18.66	18.58	18.62		
5	16QAM	12	0	18.44	18.57	18.65	20	0
5	16QAM	12	7	18.62	18.63	18.59		
5	16QAM	12	13	18.63	18.74	18.52		
5	16QAM	25	0	18.68	18.80	18.70		
5	64QAM	1	0	18.66	18.86	18.55		
5	64QAM	1	12	18.38	18.81	18.58	20	0
5	64QAM	1	24	18.49	18.72	18.58		
5	64QAM	12	0	18.52	18.77	18.65		
5	64QAM	12	7	18.69	18.67	18.65	20	0
5	64QAM	12	13	18.70	18.70	18.79		
5	64QAM	25	0	18.56	18.77	18.38		

Band 66 Ant4 NSA ECI6								
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				13272	13272	13272		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	22.66	22.88	22.70		
20	QPSK	1	49	22.69	22.79	22.65	24	0
20	QPSK	1	99	22.58	22.71	22.67		
20	QPSK	50	0	21.74	21.98	21.78		
20	QPSK	50	24	21.87	21.81	21.87	23	1
20	QPSK	50	50	21.79	21.78	21.82		
20	QPSK	100	0	21.53	21.83	21.65		
20	16QAM	1	0	21.88	21.76	21.72		
20	16QAM	1	49	21.71	21.79	21.67	23	1
20	16QAM	1	99	21.55	21.78	21.51		
20	16QAM	50	0	20.80	20.66	20.90		
20	16QAM	50	24	20.68	20.86	20.71	22	2
20	16QAM	50	50	20.70	20.75	20.67		
20	16QAM	100	0	20.57	20.80	20.56		
20	64QAM	1	0	20.75	20.67	20.52		
20	64QAM	1	49	20.36	20.69	20.56	22	2
20	64QAM	1	99	20.42	20.64	20.56		
20	64QAM	50	0	19.67	19.77	19.82		
20	64QAM	50	24	19.75	19.84	19.84	21	3
20	64QAM	50	50	19.79	19.79	19.84		
20	64QAM	100	0	19.77	19.84	19.73		
Channel				132047	132322	132647		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	22.59	22.77	22.68		
15	QPSK	1	37	22.48	22.73	22.58	24	0
15	QPSK	1	74	22.61	22.79	22.52		
15	QPSK	36	0	21.91	21.86	21.84		
15	QPSK	36	21	21.73	21.71	21.80	23	1
15	QPSK	36	39	21.65	21.79	21.77		
15	QPSK	75	0	21.60	21.81	21.70		
15	16QAM	1	0	21.79	21.73	21.81		
15	16QAM	1	37	21.70	21.79	21.59	23	1
15	16QAM	1	74	21.53	21.61	21.66		
15	16QAM	36	0	20.73	20.90	20.96		
15	16QAM	36	20	20.84	20.91	20.61	22	2
15	16QAM	36	39	20.62	20.77	20.71		
15	16QAM	75	0	20.70	20.92	20.56		
15	64QAM	1	0	20.82	20.70	20.44		
15	64QAM	1	37	20.37	20.59	20.63	22	2
15	64QAM	1	74	20.42	20.65	20.61		
15	64QAM	36	0	19.78	19.75	19.74		
15	64QAM	36	20	19.67	19.72	19.86	21	3
15	64QAM	36	39	19.64	19.78	19.81		
15	64QAM	75	0	19.61	19.78	19.61		
Channel				132022	132322	132622		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	22.73	22.71	22.79		
10	QPSK	1	25	22.62	22.66	22.67	24	0
10	QPSK	1	49	22.44	22.68	22.67		
10	QPSK	25	0	21.71	21.92	21.75		
10	QPSK	25	12	21.54	21.88	21.66	23	1
10	QPSK	25	25	21.63	21.71	21.63		
10	QPSK	50	0	21.72				



ECI7 Power

Band 2 Ant0 NSA ECI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (1870)	Power Middle Ch./Freq. (1880)	Power High Ch./Freq. (1890)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	12.96	13.01	12.92			14	0
20	QPSK	1	49	12.86	12.92	12.78				
20	QPSK	1	99	12.87	12.85	12.76				
20	QPSK	50	0	12.93	12.96	12.99			14	0
20	QPSK	50	24	12.72	12.86	12.73				
20	QPSK	50	50	12.91	12.86	12.70				
20	QPSK	100	0	12.90	12.93	12.92				
20	16QAM	1	0	12.94	12.76	12.70			14	0
20	16QAM	1	49	12.77	12.90	12.71				
20	16QAM	1	99	12.91	12.95	12.72				
20	16QAM	50	0	12.92	12.89	12.74			14	0
20	16QAM	50	24	12.83	12.86	12.73				
20	16QAM	50	50	12.72	12.85	12.68				
20	16QAM	100	0	12.76	12.79	12.62				
20	84QAM	1	0	12.78	12.91	12.65			14	0
20	84QAM	1	49	12.84	12.85	12.76				
20	84QAM	1	99	12.83	12.77	12.63				
20	84QAM	50	0	12.72	12.85	12.63			14	0
20	84QAM	50	24	12.82	12.86	12.62				
20	84QAM	50	50	12.76	12.83	12.84				
20	84QAM	100	0	12.90	12.86	12.60				
Channel										
Frequency (MHz)										
15	QPSK	1	0	12.88	12.91	12.73			14	0
15	QPSK	1	37	12.81	12.93	12.64				
15	QPSK	1	74	12.90	12.74	12.65				
15	QPSK	36	0	12.89	12.87	12.66			14	0
15	QPSK	36	20	12.80	12.90	12.89				
15	QPSK	36	39	12.89	12.79	12.68				
15	QPSK	75	0	12.87	12.83	12.92				
15	16QAM	1	0	12.77	12.69	12.59			14	0
15	16QAM	1	37	12.81	12.92	12.61				
15	16QAM	1	74	12.95	12.79	12.61				
15	16QAM	36	0	12.78	12.87	12.76			14	0
15	16QAM	36	20	12.84	12.73	12.88				
15	16QAM	36	39	12.54	12.77	12.62				
15	16QAM	75	0	12.73	12.77	12.53				
15	84QAM	1	0	12.80	12.91	12.57			14	0
15	84QAM	1	37	12.72	12.88	12.63				
15	84QAM	1	74	12.86	12.76	12.60				
15	84QAM	36	0	12.85	12.87	12.67			14	0
15	84QAM	36	20	12.71	12.94	12.57				
15	84QAM	36	39	12.67	12.65	12.88				
15	84QAM	75	0	12.78	12.68	12.50				
Channel										
Frequency (MHz)										
10	QPSK	1	0	12.83	12.91	12.78			14	0
10	QPSK	1	25	12.89	12.88	12.72				
10	QPSK	1	49	12.85	12.72	12.60				
10	QPSK	25	0	12.89	12.99	12.70			14	0
10	QPSK	25	12	12.76	12.87	12.59				
10	QPSK	25	25	12.80	12.69	12.69				
10	QPSK	50	0	12.94	12.89	12.86				
10	16QAM	1	0	12.90	12.67	12.52			14	0
10	16QAM	1	25	12.74	12.88	12.53				
10	16QAM	1	49	12.86	12.94	12.53				
10	16QAM	25	0	12.78	12.78	12.78			14	0
10	16QAM	25	12	12.78	12.90	12.77				
10	16QAM	25	25	12.54	12.66	12.60				
10	16QAM	50	0	12.70	12.81	12.47			14	0
10	84QAM	1	0	12.83	12.84	12.65				
10	84QAM	1	25	12.74	12.68	12.73			14	0
10	84QAM	1	49	12.97	12.76	12.60				
10	84QAM	25	0	12.76	12.76	12.54			14	0
10	84QAM	25	12	12.58	12.80	12.51				
10	84QAM	25	25	12.68	12.72	12.87				
10	84QAM	50	0	12.86	12.87	12.44				
Channel										
Frequency (MHz)										
5	QPSK	1	0	12.90	12.99	12.89			14	0
5	QPSK	1	12	12.84	12.82	12.82				
5	QPSK	1	24	12.83	12.89	12.76				
5	QPSK	12	0	12.75	12.95	12.93			14	0
5	QPSK	12	7	12.80	12.73	12.72				
5	QPSK	12	13	12.77	12.68	12.71				
5	QPSK	25	0	12.74	12.89	12.86				
5	16QAM	1	0	12.90	12.78	12.74			14	0
5	16QAM	1	12	12.61	12.89	12.66				
5	16QAM	1	24	12.78	12.96	12.56				
5	16QAM	12	0	12.80	12.90	12.64			14	0
5	16QAM	12	7	12.81	12.69	12.64				
5	16QAM	12	13	12.76	12.88	12.52				
5	16QAM	25	0	12.60	12.69	12.63			14	0
5	84QAM	1	0	12.68	12.92	12.47				
5	84QAM	1	12	12.80	12.70	12.65			14	0
5	84QAM	1	24	12.83	12.53	12.41				
5	84QAM	12	0	12.70	12.68	12.51				
5	84QAM	12	7	12.65	12.94	12.53			14	0
5	84QAM	12	13	12.73	12.76	12.72				
5	84QAM	25	0	12.86	12.82	12.53				
Channel										
Frequency (MHz)										
3	QPSK	1	0	12.78	12.88	12.88			14	0
3	QPSK	1	6	12.83	12.90	12.64				
3	QPSK	1	14	12.86	12.77	12.77				
3	QPSK	8	0	12.74	12.97	12.76			14	0
3	QPSK	8	4	12.59	12.85	12.77				
3	QPSK	8	7	12.81	12.90	12.70				
3	QPSK	15	0	12.74	12.83	12.76			14	0
3	16QAM	1	0	12.95	12.57	12.55				
3	16QAM	1	6	12.66	12.72	12.60			14	0
3	16QAM	1	14	12.75	12.77	12.74				
3	16QAM	8	0	12.85	12.89	12.69			14	0
3	16QAM	8	4	12.68	12.71	12.70				
3	16QAM	8	7	12.68	12.73	12.73			14	0
3	16QAM	15	0	12.60	12.74	12.56				
3	84QAM	1	0	12.69	12.94	12.62			14	0
3	84QAM	1	6	12.69	12.88	12.65				
3	84QAM	1	14	12.72	12.70	12.60				
3	84QAM	8	0	12.68	12.77	12.48			14	0
3	84QAM	8	4	12.75	12.84	12.62				
3	84QAM	8	7	12.71	12.78	12.73				
3	84QAM	15	0	12.88	12.85	12.41			14	0
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	12.95	12.88	12.81			14	0
1.4	QPSK	1	3	12.77	12.80	12.67				
1.4	QPSK	1	5	12.74	12.87	12.73				
1.4	QPSK	3	0	12.85	12.89	12.74			14	0
1.4	QPSK	3	1	12.75	12.87	12.71				
1.4	QPSK	3	3	12.85	12.67	12.59				
1.4	QPSK	6	0	12.95	12.95	12.95			14	0
1.4	16QAM	1	0	12.83	12.66	12.71				
1.4	16QAM	1	3	12.77	12.85	12.61			14	0
1.4	16QAM	1	5	12.83	12.77	12.56				
1.4	16QAM	3	0	12.89	12.90	12.64			14	0
1.4	16QAM	3	1	12.72	12.86	12.75				
1.4	16QAM	3	3	12.70	12.81	12.52			14	0
1.4	16QAM	6	0	12.68	12.71	12.47				
1.4	84QAM	1	0	12.80	12.76	12.68			14	0
1.4	84QAM	1	3	12.81	12.70	12.60				
1.4	84QAM	1	5	12.76	12.70	12.54				
1.4	84QAM	3	0	12.63	12.87	12.63			14	0
1.4	84QAM	3	1	12.62	12.90	12.64				
1.4	84QAM	3	3	12.71	12.77	12.54			14	0
1.4	84QAM	6	0	12.92	12.87	12.54				

Band 4 Ant0 NSA ECI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. (2050)	Power Middle Ch./Freq. (2055)	Power High Ch./Freq. (2060)	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	15.56	15.63	15.48			16.5	0
20	QPSK	1	49	15.43	15.46	15.46				
20	QPSK	1	99	15.38	15.42	15.46				
20	QPSK	50	0	15.57	15.61	15.58			16.5	0
20	QPSK	50	24	15.48	15.50	15.55				
20	QPSK	50	50	15.49	15.54	15.50				
20	QPSK	100	0	15.55	15.57	15.48				
20	16QAM	1	0	15.34	15.46	15.52			16.5	0
20	16QAM	1	49	15.30	15.46	15.51				
20	16QAM	1	99	15.48	15.61	15.37				
20	16QAM	50	0	15.48	15.51	15.59			16.5	0
20	16QAM	50	24	15.48	15.45	15.51				
20	16QAM	50	50	15.33	15.50	15.50				
20	16QAM	100	0	15.42	15.60	15.48				
20	84QAM	1	0	15.49	15.40	15.48			16.5	0
20	84QAM	1	49	15.38	15.46	15.51				
20	84QAM	1	99	15.44	15.45	15.53				
20	84QAM	50	0							



Band 2 Ant4 NSA EC17										
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	19.05	19.18	19.15				
20	QPSK	1	49	19.06	19.07	19.12	20	0		
20	QPSK	1	99	18.87	19.11	19.13				
20	QPSK	50	0	19.06	19.14	19.12				
20	QPSK	50	24	19.06	19.11	19.03	20	0		
20	QPSK	50	50	18.90	19.09	19.10				
20	QPSK	100	0	18.85	19.11	19.08				
20	16QAM	1	0	18.87	19.02	19.98				
20	16QAM	1	49	19.03	19.13	19.10	20	0		
20	16QAM	1	99	19.03	19.04	18.91				
20	16QAM	50	0	18.82	19.13	19.06				
20	16QAM	50	24	19.02	19.03	19.05	20	0		
20	16QAM	50	50	18.94	19.09	19.07				
20	16QAM	100	0	19.00	19.00	18.91				
20	64QAM	1	0	18.87	19.11	19.14				
20	64QAM	1	49	18.85	18.95	19.11	20	0		
20	64QAM	1	99	18.88	19.03	18.97				
20	64QAM	50	0	19.05	19.07	19.11				
20	64QAM	50	24	18.99	19.02	19.01	20	0		
20	64QAM	50	50	18.94	19.10	19.12				
20	64QAM	100	0	18.88	19.02	18.97				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.90	19.05	19.13				
15	QPSK	1	37	18.97	18.94	19.01	20	0		
15	QPSK	1	74	18.70	18.97	18.95				
15	QPSK	36	0	18.99	19.09	19.12				
15	QPSK	36	20	18.95	18.98	18.95	20	0		
15	QPSK	36	39	18.88	18.96	19.08				
15	QPSK	75	0	18.77	18.93	18.90				
15	16QAM	1	0	18.80	19.02	18.92				
15	16QAM	1	37	18.84	19.15	19.11	20	0		
15	16QAM	1	74	19.02	18.88	18.91				
15	16QAM	36	0	18.69	19.12	18.95				
15	16QAM	36	20	18.94	19.05	18.93	20	0		
15	16QAM	36	39	18.88	18.93	18.98				
15	16QAM	75	0	19.01	19.04	18.75				
15	64QAM	1	0	18.83	19.15	19.02				
15	64QAM	1	37	18.83	18.91	19.05	20	0		
15	64QAM	1	74	18.73	18.99	19.01				
15	64QAM	36	0	18.98	18.91	19.13				
15	64QAM	36	20	18.99	18.92	18.90	20	0		
15	64QAM	36	39	18.91	19.10	19.10				
15	64QAM	75	0	18.73	19.00	18.85				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.88	19.05	19.01				
10	QPSK	1	25	18.91	19.03	18.98	20	0		
10	QPSK	1	49	18.85	19.06	19.06				
10	QPSK	25	0	18.97	19.06	18.96				
10	QPSK	25	12	19.01	19.04	19.01	20	0		
10	QPSK	25	25	18.90	19.02	19.09				
10	QPSK	50	0	18.99	18.95	19.06				
10	16QAM	1	0	18.91	18.96	19.03				
10	16QAM	1	25	18.94	19.09	19.00	20	0		
10	16QAM	1	49	19.05	18.92	18.85				
10	16QAM	25	0	18.82	19.01	19.04				
10	16QAM	25	12	19.09	18.90	18.93	20	0		
10	16QAM	25	25	18.76	18.93	18.93				
10	16QAM	50	0	18.96	18.81	18.88				
10	64QAM	1	0	18.92	19.03	19.12				
10	64QAM	1	25	18.87	18.90	19.15	20	0		
10	64QAM	1	49	18.80	19.04	18.82				
10	64QAM	25	0	18.95	18.98	19.00				
10	64QAM	25	12	18.99	19.02	18.99	20	0		
10	64QAM	25	25	18.81	19.16	19.10				
10	64QAM	50	0	18.90	18.99	18.83				
Channel										
Frequency (MHz)										
5	QPSK	1	0	19.10	19.11	19.06				
5	QPSK	1	12	18.93	18.88	19.06	20	0		
5	QPSK	1	24	18.75	18.96	19.02				
5	QPSK	12	0	18.97	18.98	19.08				
5	QPSK	12	7	19.03	18.93	19.04	20	0		
5	QPSK	12	13	18.82	19.01	19.10				
5	QPSK	25	0	18.87	19.03	18.98				
5	16QAM	1	0	18.83	18.85	18.99				
5	16QAM	1	12	18.85	18.99	19.03	20	0		
5	16QAM	1	24	18.94	18.95	18.95				
5	16QAM	12	0	18.70	18.97	19.08				
5	16QAM	12	7	18.98	18.93	18.90	20	0		
5	16QAM	12	13	18.84	18.96	19.12				
5	16QAM	25	0	18.84	18.95	18.92				
5	64QAM	1	0	18.89	19.11	19.08				
5	64QAM	1	12	18.82	18.96	19.06	20	0		
5	64QAM	1	24	18.90	18.91	19.00				
5	64QAM	12	0	18.95	18.93	18.97				
5	64QAM	12	7	18.97	18.83	18.86	20	0		
5	64QAM	12	13	18.97	19.13	18.99				
5	64QAM	25	0	18.89	18.97	18.91				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.93	19.13	19.14				
1.4	QPSK	1	3	19.10	19.00	18.95				
1.4	QPSK	1	5	18.86	18.95	18.95	20	0		
1.4	QPSK	3	0	19.00	19.09	18.98				
1.4	QPSK	3	1	19.07	19.04	18.88				
1.4	QPSK	3	3	18.79	19.03	18.95	20	0		
1.4	QPSK	6	0	19.00	19.04	19.08				
1.4	16QAM	1	0	18.77	19.01	18.87				
1.4	16QAM	1	3	19.05	19.04	18.95	20	0		
1.4	16QAM	1	5	18.95	18.90	19.05				
1.4	16QAM	3	0	18.83	19.17	18.99	20	0		
1.4	16QAM	3	1	18.97	18.85	19.09				
1.4	16QAM	3	3	18.77	19.05	19.06				
1.4	16QAM	6	0	18.96	18.92	18.77	20	0		
1.4	64QAM	1	0	18.81	19.12	19.17				
1.4	64QAM	1	3	18.69	18.99	19.01				
1.4	64QAM	1	5	18.71	18.94	18.95	20	0		
1.4	64QAM	3	0	19.03	19.11	19.03				
1.4	64QAM	3	1	18.91	18.99	18.83				
1.4	64QAM	3	3	18.95	19.04	18.95				
1.4	64QAM	6	0	18.72	18.95	18.79	20	0		

Band 4 Ant4 NSA EC17										
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	18.63	17.35	17.68				
20	QPSK	1	49	18.53	18.70	18.51	20	0		
20	QPSK	1	99	18.48	18.52	18.53				
20	QPSK	50	0	18.67	18.72	18.62				
20	QPSK	50	24	18.60	18.62	18.57	20	0		
20	QPSK	50	50	18.64	18.64	18.51				
20	QPSK	100	0	18.62	18.67	18.58				
20	16QAM	1	0	18.45	18.49	18.64				
20	16QAM	1	49	18.57	18.58	18.60	20	0		
20	16QAM	1	99	18.56	18.61	18.65				
20	16QAM	50	0	18.63	18.68	18.61				
20	16QAM	50	24	18.57	18.58	18.59	20	0		
20	16QAM	50	50	18.64	18.66	18.55				
20	16QAM	100	0	18.62	18.72	18.52				
20	64QAM	1	0	18.52	18.61	18.14				
20	64QAM	1	49	18.50	18.61	18.63	20	0		
20	64QAM	1	99	18.50	18.55	18.50				
20	64QAM	50	0	18.52	18.67	18.41				
20	64QAM	50	24	18.59	18.52	18.63	20	0		
20	64QAM	50	50	18.62	18.64	18.51				



Band 66 Ant4 NSA EC17

RB Size	RB Offset	Power Low Ch. / F.Freq.	Power Middle Ch. / F.Freq.	Power High Ch. / F.Freq.	Tune-up limit (dBm)	MPR (dB)
132072						
1720 1745 1770						
1	0	18.75	18.85	18.81	20	0
1	49	18.56	18.80	18.47		
1	99	18.48	18.45	18.58		
50	0	18.75	18.82	18.73	20	0
50	24	18.59	18.81	18.59		
50	50	18.67	18.81	18.64		
100	0	18.72	18.75	18.81	20	0
1	0	18.39	18.56	18.65		
1	49	18.70	18.60	18.54		
1	99	18.65	18.56	18.58	20	0
50	0	18.58	18.81	18.58		
50	24	18.54	18.81	18.51		
50	50	18.77	18.83	18.49	20	0
100	0	18.56	18.84	18.65		
1	0	18.82	18.55	18.75		
1	49	18.64	18.66	18.72	20	0
1	99	18.45	18.58	18.46		
50	0	18.58	18.81	18.47		
50	24	18.58	18.56	18.56	20	0
50	50	18.49	18.49	18.45		
100	0	18.58	18.45	18.60		
132047						
1717.5 1745 1772.5						
1	0	18.70	18.70	18.81	20	0
1	37	18.46	18.84	18.47		
1	74	18.53	18.81	18.46		
36	0	18.65	18.74	18.76	20	0
36	20	18.74	18.81	18.41		
36	39	18.63	18.44	18.65		
75	0	18.69	18.74	18.50	20	0
1	0	18.25	18.45	18.53		
1	37	18.62	18.57	18.39		
1	74	18.52	18.54	18.51	20	0
36	0	18.54	18.71	18.60		
36	20	18.59	18.46	18.37		
36	39	18.71	18.65	18.37	20	0
75	0	18.57	18.84	18.65		
1	0	18.83	18.52	18.80		
1	37	18.45	18.54	18.63	20	0
1	74	18.29	18.40	18.29		
36	0	18.59	18.56	18.48		
36	20	18.44	18.55	18.59	20	0
36	39	18.45	18.47	18.33		
75	0	18.44	18.45	18.50		
132022						
1715 1745 1775						
1	0	18.72	18.67	18.63	20	0
1	25	18.47	18.80	18.36		
1	49	18.36	18.38	18.61		
25	0	18.69	18.63	18.75	20	0
25	12	18.57	18.51	18.55		
25	25	18.71	18.53	18.48		
50	0	18.69	18.61	18.61	20	0
1	0	18.29	18.42	18.60		
1	25	18.64	18.42	18.54		
1	49	18.65	18.40	18.42	20	0
25	0	18.51	18.70	18.51		
25	12	18.37	18.54	18.54		
25	25	18.75	18.48	18.32	20	0
50	0	18.55	18.73	18.66		
1	0	18.58	18.38	18.67		
1	25	18.62	18.70	18.59	20	0
1	49	18.37	18.54	18.33		
25	0	18.40	18.56	18.43		
25	12	18.42	18.57	18.40	20	0
25	25	18.45	18.35	18.40		
50	0	18.43	18.46	18.44		
131997						
1712.5 1745 1777.5						
1	0	18.68	18.67	18.68	20	0
1	12	18.60	18.65	18.35		
1	24	18.44	18.29	18.51		
12	0	18.69	18.67	18.66	20	0
12	7	18.70	18.47	18.55		
12	13	18.66	18.44	18.54		
25	0	18.71	18.61	18.43	20	0
1	0	18.40	18.59	18.64		
1	12	18.65	18.59	18.57		
1	24	18.55	18.39	18.57	20	0
12	0	18.45	18.83	18.44		
12	7	18.42	18.51	18.47		
12	13	18.61	18.63	18.46	20	0
25	0	18.51	18.74	18.60		
1	0	18.57	18.40	18.61		
1	12	18.57	18.64	18.60	20	0
1	24	18.32	18.43	18.35		
12	0	18.58	18.54	18.46		
12	7	18.56	18.55	18.56	20	0
12	13	18.31	18.53	18.31		
25	0	18.56	18.49	18.52		
131987						
1711.5 1745 1778.5						
1	0	18.72	18.84	18.64	20	0
1	8	18.45	18.68	18.49		
1	14	18.40	18.54	18.48		
8	0	18.56	18.81	18.55	20	0
8	4	18.53	18.45	18.60		
8	7	18.61	18.64	18.67		
15	0	18.60	18.79	18.57	20	0
1	0	18.30	18.58	18.64		
1	8	18.72	18.54	18.39		
1	14	18.50	18.55	18.50	20	0
8	0	18.56	18.75	18.48		
8	4	18.48	18.38	18.54		
8	7	18.81	18.58	18.36	20	0
15	0	18.68	18.79	18.52		
1	0	18.57	18.38	18.80		
1	8	18.59	18.50	18.75	20	0
1	14	18.42	18.43	18.44		
8	0	18.57	18.55	18.43		
8	4	18.46	18.50	18.49	20	0
8	7	18.53	18.42	18.30		
15	0	18.56	18.38	18.56		
131979						
1710.7 1745 1779.3						
1	0	18.59	18.74	18.65	20	0
1	3	18.39	18.71	18.47		
1	5	18.33	18.38	18.62		
3	0	18.74	18.65	18.63	20	0
3	1	18.51	18.64	18.41		
3	3	18.68	18.50	18.46		
6	0	18.68	18.60	18.59	20	0
1	0	18.47	18.43	18.48		
1	3	18.74	18.54	18.36		
1	5	18.68	18.53	18.51	20	0
3	0	18.55	18.77	18.46		
3	1	18.49	18.39	18.55		
3	3	18.75	18.49	18.37	20	0
6	0	18.48	18.79	18.50		
1	0	18.47	18.53	18.66		
1	3	18.60	18.58	18.58	20	0
1	5	18.32	18.60	18.29		
3	0	18.50	18.61	18.32		
3	1	18.53	18.50	18.45	20	0
3	3	18.39	18.53	18.46		
6	0	18.51	18.46	18.52		

Uplink CA Power

CA_7C Ant1 Default&ECI2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	22.77	24.00
21100	21298	QPSK	1	99	1	0	22.81	24.00
21350	21152	QPSK	1	0	1	99	22.68	24.00

CA_38C Ant1 Default&ECI2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.52	24.00
37901	38099	QPSK	1	99	1	0	22.60	24.00
38150	37952	QPSK	1	0	1	99	22.55	24.00

CA_41C Ant1 Default&ECI2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.53	24.00
40185	40383	QPSK	1	99	1	0	22.59	24.00
40620	40818	QPSK	1	99	1	0	22.64	24.00
41055	41253	QPSK	1	99	1	0	22.48	24.00
41490	41292	QPSK	1	0	1	99	22.55	24.00

CA_66C Ant0 Default&ECI2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	22.75	24.00
132322	132520	QPSK	1	99	1	0	22.85	24.00
132572	132374	QPSK	1	0	1	99	22.81	24.00

CA_66C Ant4 Default&ECI6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.71	21.50
132322	132520	QPSK	1	99	1	0	20.78	21.50
132572	132374	QPSK	1	0	1	99	20.65	21.50

CA_66B Ant0 Default&ECI2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.66	24.00
132322	132415	QPSK	1	74	1	0	22.79	24.00
132597	132504	QPSK	1	0	1	24	22.74	24.00

CA_66B Ant4 Default&ECI6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.68	21.50
132322	132415	QPSK	1	74	1	0	20.76	21.50
132597	132504	QPSK	1	0	1	24	20.71	21.50



Uplink CA Power

CA_7C Ant1 ECI3&7&6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.70	20.00
21100	21298	QPSK	1	99	1	0	18.79	20.00
21350	21152	QPSK	1	0	1	99	18.76	20.00

CA_38C Ant1 ECI3&7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.54	22.00
37901	38099	QPSK	1	99	1	0	20.66	22.00
38150	37952	QPSK	1	0	1	99	20.59	22.00

CA_38C Ant1 ECI6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.07	23.50
37901	38099	QPSK	1	99	1	0	22.09	23.50
38150	37952	QPSK	1	0	1	99	22.03	23.50

CA_41C Ant1 ECI3&7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.51	22.00
40185	40383	QPSK	1	99	1	0	20.6	22.00
40620	40818	QPSK	1	99	1	0	20.69	22.00
41055	41253	QPSK	1	99	1	0	20.45	22.00
41490	41292	QPSK	1	0	1	99	20.53	22.00

CA_41C Ant1 ECI6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.99	22.50
40185	40383	QPSK	1	99	1	0	21.04	22.50
40620	40818	QPSK	1	99	1	0	21.10	22.50
41055	41253	QPSK	1	99	1	0	21.05	22.50
41490	41292	QPSK	1	0	1	99	21.12	22.50

CA_66C Ant0 ECI3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	17.21	18.50
132322	132520	QPSK	1	99	1	0	17.41	18.50
132572	132374	QPSK	1	0	1	99	17.37	18.50

CA_66C Ant0 ECI7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	16.30	17.50
132322	132520	QPSK	1	99	1	0	16.38	17.50
132572	132374	QPSK	1	0	1	99	16.35	17.50

CA_66C Ant0 ECI6								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.32	21.50
132322	132520	QPSK	1	99	1	0	20.34	21.50
132572	132374	QPSK	1	0	1	99	20.41	21.50

CA_66C Ant4 ECI2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	19.81	20.50
132322	132520	QPSK	1	99	1	0	19.77	20.50
132572	132374	QPSK	1	0	1	99	19.74	20.50

CA_66C Ant4 ECI3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	20.28	21.00
132322	132520	QPSK	1	99	1	0	20.27	21.00
132572	132374	QPSK	1	0	1	99	20.15	21.00

CA_66C Ant4 ECI7								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	18.79	19.50
132322	132520	QPSK	1	99	1	0	18.81	19.50
132572	132374	QPSK	1	0	1	99	18.65	19.50

CA_66B Ant0 ECI3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	17.13	18.50
132322	132415	QPSK	1	74	1	0	17.20	18.50
132597	132504	QPSK	1	0	1	24	17.25	18.50

CA_66B Ant0 ECI7								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	16.25	17.50
132322	132415	QPSK	1	74	1	0	16.32	17.50
132597	132504	QPSK	1	0	1	24	16.19	17.50

CA_66B Ant0 ECI6								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.15	21.50
132322	132415	QPSK	1	74	1	0	20.23	21.50
132597	132504	QPSK	1	0	1	24	20.29	21.50

CA_66B Ant4 ECI2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.65	20.50
132322	132415	QPSK	1	74	1	0	19.81	20.50
132597	132504	QPSK	1	0	1	24	19.65	20.50

CA_66B Ant4 ECI3								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	20.10	21.00
132322	132415	QPSK	1	74	1	0	20.17	21.00
132597	132504	QPSK	1	0	1	24	20.21	21.00

CA_66B Ant4 ECI7								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.72	19.50
132322	132415	QPSK	1	74	1	0	18.74	19.50
132597	132504	QPSK	1	0	1	24	18.67	19.50



Conducted Power for DL CA

2CA DL

CA List	PCC								SCC					Power		
	LTE	BW	BW	UL	UL	Mod	LIL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	22.53	22.66
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	5M	1987.5	1175	4x4MIMO	19.81	19.84
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	22.48	22.66
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 2	20M	1979.8	1098	4x4MIMO	19.72	19.84
CA_4A-4A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	22.36	22.43
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 4	5M	2152.5	2375	4x4MIMO	20.21	20.28
CA_5A-5A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000		22.88	22.95
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	22.74	22.95
CA_5A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		22.45	22.49
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.81	23.04
CA_7A-26A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 42	20M	3500	42590	4x4MIMO	22.87	23.04
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 7	20M	2855	3100	4x4MIMO	22.19	22.33
CA_7A-42A	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.90	23.04
	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 26	15M	876.5	8865		22.33	22.49
CA_26A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048		22.74	22.88
	Band 38	Ant1	20M	2580	37850	QPSK	1	0		Band 42	20M	3500	42590	4x4MIMO	22.93	22.97
CA_38C	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 41	20M	2593	40620		22.17	22.33
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818		22.85	22.97
CA_41C	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4x4MIMO	Band 42	20M	3519.8	42788	4x4MIMO	22.25	22.33
	Band 41	Ant1	20M	2593	40620	QPSK	1	0		Band 66	5M	2164.3	66979	4x4MIMO	22.41	22.49
CA_42C	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	20.25	20.33
	Band 66	Ant4	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	22.36	22.49
CA_66B	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	20.31	20.33
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2164.8	66984	4x4MIMO	20.31	20.33



3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	Mod.	ULF	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
	Band	Ant	(MHz)	Freq. Channel (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. Channel (MHz)	Channel		Band	(MHz)	Freq. Channel (MHz)	Channel			
CA_2A-4A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.50	22.68
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.39	22.43
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.80	22.95
CA_2A-4A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.53	22.68
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.21	22.43
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.95	23.04
CA_2A-5A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.54	22.68
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.89	22.95
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.92	23.04
CA_2A-7A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.51	22.68
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.83	23.04
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.56	22.68
CA_2A-7A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.90	23.04
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.27	22.49
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.53	22.68
CA_2A-7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.95	23.04
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	22.61	22.68
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.43	22.49
CA_4A-7A-7A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	22.36	22.43
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	23.01	23.04
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.41	22.43
CA_4A-7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.81	23.04
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	22.82	22.95
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.88	23.04
CA_7A-38A-66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2595	38000	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.91	23.04
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 38	20M	2595	38000	4xMIMO	22.34	22.49
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	22.85	23.04
CA_7A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 66	5M	2197.5	67311	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.47	22.49



Default Power for FR1 Main PA

n2 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
				1825	1830	1835				
30	PI/2 BPSK	1	1	22.15	22.26	22.15				
30	PI/2 BPSK	1	80	22.13	22.23	22.12	24.0	0.0		
30	PI/2 BPSK	1	158	22.14	22.24	22.13				
30	PI/2 BPSK	80	0	21.80	21.93	21.84	23.5	0.5		
30	PI/2 BPSK	80	40	22.16	22.25	22.14	24.0	0.0		
30	PI/2 BPSK	80	80	21.77	21.86	21.82				
30	PI/2 BPSK	160	0	21.92	21.97	21.85	23.5	0.5		
30	QPSK	1	1	22.21	22.32	22.26				
30	QPSK	1	80	22.15	22.28	22.16	24.0	0.0		
30	QPSK	1	158	22.12	22.24	22.10				
30	QPSK	80	0	21.34	21.42	21.27	23.0	1.0		
30	QPSK	80	40	22.18	22.29	22.19	24.0	0.0		
30	QPSK	80	80	21.26	21.38	21.27				
30	QPSK	160	0	21.41	21.47	21.40	23.0	1.0		
30	16QAM	1	1	21.12	21.15	21.70	23.0	1.0		
30	64QAM	1	1	19.51	19.65	19.59	21.5	2.5		
30	256QAM	1	1	18.18	18.29	18.21	19.5	4.5		
	Channel			372000	376000	379500	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			1825.5	1830	1837.5				
25	QPSK	1	1	22.09	22.18	22.25	24.0	0.0		
	Channel			372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			1860	1880	1900				
20	QPSK	1	1	22.10	22.22	22.19	24.0	0.0		
	Channel			371800	376000	380500	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			1837.5	1880	1907.5				
15	QPSK	1	1	22.10	22.22	22.19	24.0	0.0		
	Channel			371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			1855	1880	1905				
10	QPSK	1	1	22.11	22.25	22.11	24.0	0.0		
	Channel			370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			1832.5	1880	1907.5				
5	QPSK	1	1	22.11	22.20	22.19	24.0	0.0		

n5 Ant0 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
				1835.5	1835.5	1835.5				
25	PI/2 BPSK	1	1	22.86						
25	PI/2 BPSK	1	64	22.83			24.0	0.0		
25	PI/2 BPSK	1	131	22.77						
25	PI/2 BPSK	64	0	22.38			23.5	0.5		
25	PI/2 BPSK	64	33	22.81			24.0	0.0		
25	PI/2 BPSK	64	65	22.37						
25	PI/2 BPSK	128	0	22.37			23.5	0.5		
25	QPSK	1	1	22.92						
25	QPSK	1	64	22.84			24.0	0.0		
25	QPSK	1	131	22.75						
25	QPSK	64	0	21.89			23.0	1.0		
25	QPSK	64	33	22.87			24.0	0.0		
25	QPSK	64	65	21.83						
25	QPSK	128	0	21.84			23.0	1.0		
25	16QAM	1	1	21.74			23.0	1.0		
25	64QAM	1	1	20.04			21.5	2.5		
25	256QAM	1	1	18.71			19.5	4.5		
	Channel			166800	167300	167800	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			834	835.5	839				
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0		
	Channel			166300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			831.5	836.5	841.5				
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0		
	Channel			165300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			829	836.5	844				
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0		
	Channel			165300	167300	169300	Tune-up limit (dBm)	MPR (dB)		
	Frequency (MHz)			826.5	836.5	846.5				
5	QPSK	1	1	22.64	22.86	22.61	24.0	0.0		



n26 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
	Channel			164400	166300	167800		
	Frequency (MHz)			824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	28	22.68	22.87	22.75	24.0	0.0
20	PI/2 BPSK	50	56	22.23	22.45	22.31		
20	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
20	QPSK	50	28	22.70	22.89	22.75	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84		
20	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
20	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
	Channel			164300	166300	168300	Tune-up limit	MPR
	Frequency (MHz)			821.5	831.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
	Channel			163800	166300	168800	Tune-up limit	MPR
	Frequency (MHz)			819	831.5	844	(dBm)	(dB)
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
	Channel			163300	166300	168300	Tune-up limit	MPR
	Frequency (MHz)			816.5	831.5	846.5	(dBm)	(dB)
5	QPSK	1	1	22.71	22.81	22.69	24.0	0.0

n66 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
	Channel			346500	349000	351500		
	Frequency (MHz)			1722.5	1745	1757.5		
45	PI/2 BPSK	1	1	22.11	22.24	22.10		
45	PI/2 BPSK	1	120	22.73	22.82	22.70	24.0	0.0
45	PI/2 BPSK	1	243	22.35	22.41	22.31		
45	PI/2 BPSK	120	0	22.04	22.15	22.10	23.5	0.5
45	PI/2 BPSK	120	60	22.57	22.64	22.60	24.0	0.0
45	PI/2 BPSK	120	120	22.29	22.37	22.30		
45	PI/2 BPSK	240	0	22.14	22.27	22.16	23.5	0.5
45	QPSK	1	1	22.17	22.31	22.22		
45	QPSK	1	120	22.66	22.77	22.69	24.0	0.0
45	QPSK	1	243	22.29	22.36	22.30		
45	QPSK	120	0	21.67	21.82	21.74	23.0	1.0
45	QPSK	120	60	22.76	22.84	22.71	24.0	0.0
45	QPSK	120	120	21.91	21.90	21.91		
45	QPSK	240	0	21.79	21.86	21.77	23.0	1.0
45	16QAM	1	120	21.05	21.08	21.04	23.0	1.0
45	64QAM	1	120	19.54	19.57	19.51	21.5	2.5
45	256QAM	1	120	18.02	18.12	18.00	19.5	4.5
	Channel			346000	349000	352000	Tune-up limit	MPR
	Frequency (MHz)			1730	1745	1760	(dBm)	(dB)
40	QPSK	1	108	22.81	22.75	22.69	24.0	0.0
	Channel			345500	349000	352500	Tune-up limit	MPR
	Frequency (MHz)			1727.5	1745	1762.5	(dBm)	(dB)
35	QPSK	1	92	22.71	22.63	22.68	24.0	0.0
	Channel			345000	349000	353000	Tune-up limit	MPR
	Frequency (MHz)			1725	1745	1765	(dBm)	(dB)
30	QPSK	1	80	22.63	22.81	22.69	24.0	0.0
	Channel			344500	349000	353500	Tune-up limit	MPR
	Frequency (MHz)			1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	64	22.68	22.76	22.76	24.0	0.0
	Channel			344000	349000	354000	Tune-up limit	MPR
	Frequency (MHz)			1720	1745	1770	(dBm)	(dB)
20	QPSK	1	53	22.68	22.76	22.75	24.0	0.0
	Channel			343500	349000	354500	Tune-up limit	MPR
	Frequency (MHz)			1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	40	22.68	22.83	22.76	24.0	0.0
	Channel			343000	349000	355000	Tune-up limit	MPR
	Frequency (MHz)			1715	1745	1775	(dBm)	(dB)
10	QPSK	1	26	22.75	22.73	22.70	24.0	0.0
	Channel			342500	349000	355500	Tune-up limit	MPR
	Frequency (MHz)			1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	12	22.63	22.77	22.76	24.0	0.0



n7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				503000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.85	22.95	22.80		
50	PI/2 BPSK	1	135	22.73	22.85	22.65	24.0	0.0
50	PI/2 BPSK	1	268	22.49	22.55	22.36		
50	PI/2 BPSK	135	0	22.19	22.31	22.14	23.5	0.5
50	PI/2 BPSK	135	68	22.29	22.41	22.19	24.0	0.0
50	PI/2 BPSK	135	135	22.23	22.34	22.16		
50	PI/2 BPSK	270	0	22.22	22.33	22.14	23.5	0.5
50	QPSK	1	1	22.89	22.98	22.81		
50	QPSK	1	135	22.66	22.79	22.55	24.0	0.0
50	QPSK	1	268	22.38	22.47	22.25		
50	QPSK	135	0	21.89	21.81	21.61	23.0	1.0
50	QPSK	135	68	22.82	22.93	22.70	24.0	0.0
50	QPSK	135	135	21.70	21.82	21.57		
50	QPSK	270	0	21.66	21.78	21.54	23.0	1.0
50	16QAM	1	1	21.10	21.19	21.07	23.0	1.0
50	64QAM	1	1	19.81	19.90	19.72	21.5	2.5
50	256QAM	1	1	18.49	18.59	18.38	19.5	4.5
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	22.83	22.88	22.69	24.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	22.83	22.83	22.74	24.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	22.83	22.88	22.68	24.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)
20	QPSK	1	1	22.76	22.84	22.69	24.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	22.80	22.90	22.68	24.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	22.79	22.87	22.74	24.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	22.77	22.89	22.72	24.0	0.0



Part27Q n78 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel				633334				
	Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		20.34				
100	PI/2 BPSK	1	137		20.62	22.0	0.0		
100	PI/2 BPSK	1	271		20.48				
100	PI/2 BPSK	135	0		19.97	21.5	0.5		
100	PI/2 BPSK	135	69		20.68	22.0	0.0		
100	PI/2 BPSK	135	138		19.95				
100	PI/2 BPSK	270	0		19.92	21.5	0.5		
100	QPSK	1	1		20.01				
100	QPSK	1	137		20.73	22.0	0.0		
100	QPSK	1	271		20.44				
100	QPSK	135	0		19.46	21.0	1.0		
100	QPSK	135	69		20.70	22.0	0.0		
100	QPSK	135	138		19.39				
100	QPSK	270	0		19.41	21.0	1.0		
100	16QAM	1	137		19.45	21.0	1.0		
100	64QAM	1	137		18.07	19.5	2.5		
100	256QAM	1	137		16.06	17.5	4.5		
	Channel			633000	633334	633668	Tune-up limit	MPR	
	Frequency (MHz)			3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	120		20.55	20.59	20.44	22.0	0.0
	Channel			632668	633334	634000	Tune-up limit	MPR	
	Frequency (MHz)			3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	108		20.55	20.60	20.54	22.0	0.0
	Channel			632334	633334	634334	Tune-up limit	MPR	
	Frequency (MHz)			3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	94		20.69	20.67	20.63	22.0	0.0
	Channel			632000	633334	634668	Tune-up limit	MPR	
	Frequency (MHz)			3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		20.64	20.60	20.45	22.0	0.0
	Channel			631668	633334	635000	Tune-up limit	MPR	
	Frequency (MHz)			3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		20.52	20.66	20.53	22.0	0.0
	Channel			631334	633334	635334	Tune-up limit	MPR	
	Frequency (MHz)			3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		20.32	20.31	20.48	22.0	0.0
	Channel			631000	633334	635668	Tune-up limit	MPR	
	Frequency (MHz)			3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		20.30	20.64	20.48	22.0	0.0
	Channel			630668	633334	636000	Tune-up limit	MPR	
	Frequency (MHz)			3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	25		20.49	20.68	20.52	22.0	0.0
	Channel			630500	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		20.50	20.34	20.60	22.0	0.0
	Channel			630334	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		20.49	20.35	20.55	22.0	0.0



Part27Q n78 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel				63334				
	Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1		21.34				
100	Pi/2 BPSK	1	137		21.49		23.0	0.0	
100	Pi/2 BPSK	1	271		21.29				
100	Pi/2 BPSK	135	0		20.99		22.5	0.5	
100	Pi/2 BPSK	135	69		21.51		23.0	0.0	
100	Pi/2 BPSK	135	138		20.88				
100	Pi/2 BPSK	270	0		20.88		22.5	0.5	
100	QPSK	1	1		21.07				
100	QPSK	1	137		21.52		23.0	0.0	
100	QPSK	1	271		21.24				
100	QPSK	135	0		20.38		22.0	1.0	
100	QPSK	135	69		21.54		23.0	0.0	
100	QPSK	135	138		20.38				
100	QPSK	270	0		20.38		22.0	1.0	
100	16QAM	1	137		20.21		22.0	1.0	
100	64QAM	1	137		18.54		20.5	2.5	
100	256QAM	1	137		17.03		18.5	4.5	
	Channel			633000	633334	633668	Tune-up limit	MPR	
	Frequency (MHz)			3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	120		21.39	21.37	21.30	23.0	0.0
	Channel			632668	633334	634000	Tune-up limit	MPR	
	Frequency (MHz)			3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	108		21.33	21.34	21.30	23.0	0.0
	Channel			632334	633334	634334	Tune-up limit	MPR	
	Frequency (MHz)			3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	94		21.46	21.39	21.33	23.0	0.0
	Channel			632000	633334	634668	Tune-up limit	MPR	
	Frequency (MHz)			3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		21.35	21.45	21.53	23.0	0.0
	Channel			631668	633334	635000	Tune-up limit	MPR	
	Frequency (MHz)			3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		21.36	21.51	21.40	23.0	0.0
	Channel			631334	633334	635334	Tune-up limit	MPR	
	Frequency (MHz)			3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		21.43	21.32	21.35	23.0	0.0
	Channel			631000	633334	635668	Tune-up limit	MPR	
	Frequency (MHz)			3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		21.46	21.38	21.32	23.0	0.0
	Channel			630668	633334	636000	Tune-up limit	MPR	
	Frequency (MHz)			3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	25		21.46	21.38	21.32	23.0	0.0
	Channel			630334	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		21.46	21.38	21.32	23.0	0.0
	Channel			630000	633334	636668	Tune-up limit	MPR	
	Frequency (MHz)			3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		21.46	21.38	21.32	23.0	0.0



n2 Ant4 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
				373000	376000	379000				
				1865	1880	1896				
30	PI/2 BPSK	1	1	19.01	19.21	19.15				
30	PI/2 BPSK	1	80	19.04	19.17	19.16	21.0	0.0		
30	PI/2 BPSK	1	158	19.01	19.11	19.09				
30	PI/2 BPSK	80	0	18.38	18.74	18.66	20.5	0.5		
30	PI/2 BPSK	80	40	19.03	19.15	19.06	21.0	0.0		
30	PI/2 BPSK	80	80	18.63	18.79	18.77				
30	PI/2 BPSK	160	0	18.63	18.81	18.76	20.5	0.5		
30	QPSK	1	1	19.07	19.26	19.21				
30	QPSK	1	80	19.05	19.21	19.15	21.0	0.0		
30	QPSK	1	158	19.04	19.19	19.16				
30	QPSK	80	0	18.05	18.21	18.17	20.0	1.0		
30	QPSK	80	40	19.09	19.23	19.16	21.0	0.0		
30	QPSK	80	80	18.08	18.27	18.27		1.0		
30	QPSK	160	0	18.16	18.33	18.28	20.0	1.0		
30	16QAM	1	1	18.07	18.11	18.09	20.0	1.0		
30	64QAM	1	1	16.51	16.54	16.53	16.5	2.5		
30	256QAM	1	1	14.83	15.01	14.95	16.5	4.5		
				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)		
				1852.5	1880	1897.5				
25	QPSK	1	1	19.15	19.23	19.08	21.0	0.0		
				372000	376000	380000	Tune-up limit (dB)	MPR (dB)		
				1900	1900	1900				
20	QPSK	1	1	19.04	19.18	19.14	21.0	0.0		
				371000	376000	380500	Tune-up limit (dB)	MPR (dB)		
				1857.5	1880	1902.5				
15	QPSK	1	1	19.04	19.18	19.14	21.0	0.0		
				371000	376000	381000	Tune-up limit (dB)	MPR (dB)		
				1905	1900	1905				
10	QPSK	1	1	19.02	19.20	19.11	21.0	0.0		
				370500	376000	381500	Tune-up limit (dB)	MPR (dB)		
				1852.5	1880	1907.5				
5	QPSK	1	1	19.03	19.12	19.14	21.0	0.0		

n5 Ant4 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)		
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.				
				167300	167300	167300				
				836.5	836.5	836.5				
25	PI/2 BPSK	1	1	23.09						
25	PI/2 BPSK	1	64	23.01			24.0	0.0		
25	PI/2 BPSK	1	131	22.98						
25	PI/2 BPSK	64	0	22.57			23.5	0.5		
25	PI/2 BPSK	64	33	23.06			24.0	0.0		
25	PI/2 BPSK	64	65	22.52						
25	PI/2 BPSK	128	0	22.55			23.5	0.5		
25	QPSK	1	1	23.14						
25	QPSK	1	64	23.07			24.0	0.0		
25	QPSK	1	131	23.02						
25	QPSK	64	0	22.05			23.0	1.0		
25	QPSK	64	33	23.08			24.0	0.0		
25	QPSK	64	65	21.99						
25	QPSK	128	0	22.02			23.0	1.0		
25	16QAM	1	1	21.71			23.0	1.0		
25	64QAM	1	1	20.24			21.5	2.5		
25	256QAM	1	1	18.84			19.5	4.5		
				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)		
				834	836.5	839				
20	QPSK	1	1	22.01	22.07	22.05	24.0	0.0		
				166300	167300	168300	Tune-up limit (dB)	MPR (dB)		
				831.5	836.5	841.5				
15	QPSK	1	1	22.08	22.07	22.05	24.0	0.0		
				165800	167300	168800	Tune-up limit (dB)	MPR (dB)		
				829	836.5	844				
10	QPSK	1	1	22.01	22.01	22.05	24.0	0.0		
				165300	167300	169300	Tune-up limit (dB)	MPR (dB)		
				826.5	836.5	846.5				
5	QPSK	1	1	22.04	22.05	22.08	24.0	0.0		



n66 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
	Channel			346500	349000	351500		
	Frequency (MHz)			1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.14	20.19	20.12		
45	PI/2 BPSK	1	120	20.51	20.66	20.62	21.5	0.0
45	PI/2 BPSK	1	243	20.03	20.13	20.13		
45	PI/2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5
45	PI/2 BPSK	120	60	20.55	20.65	20.62	21.5	0.0
45	PI/2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5
45	QPSK	240	0	20.04	20.13	20.08		
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57	21.5	0.0
45	QPSK	1	243	19.91	19.99	19.94		
45	QPSK	120	0	19.65	19.72	19.64	20.5	1.0
45	QPSK	120	60	20.57	20.65	20.68	21.5	0.0
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74		
45	16QAM	1	120	18.85	18.96	18.89	20.5	1.0
45	64QAM	1	120	17.37	17.49	17.46	19.0	2.5
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
	Channel			346500	349000	352000	Tune-up limit	MPR
	Frequency (MHz)			1730	1745	1760	(dBm)	(dB)
40	QPSK	1	108	20.55	20.64	20.59	21.5	0.0
	Channel			345500	349000	352500	Tune-up limit	MPR
	Frequency (MHz)			1727.5	1745	1762.5	(dBm)	(dB)
35	QPSK	1	92	20.63	20.54	20.61	21.5	0.0
	Channel			345000	349000	353000	Tune-up limit	MPR
	Frequency (MHz)			1725	1745	1765	(dBm)	(dB)
30	QPSK	1	80	20.57	20.62	20.56	21.5	0.0
	Channel			344500	349000	353500	Tune-up limit	MPR
	Frequency (MHz)			1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	64	20.55	20.63	20.58	21.5	0.0
	Channel			344000	349000	354000	Tune-up limit	MPR
	Frequency (MHz)			1720	1745	1770	(dBm)	(dB)
20	QPSK	1	53	20.60	20.65	20.61	21.5	0.0
	Channel			343500	349000	354500	Tune-up limit	MPR
	Frequency (MHz)			1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	40	20.53	20.64	20.61	21.5	0.0
	Channel			343000	349000	355000	Tune-up limit	MPR
	Frequency (MHz)			1715	1745	1775	(dBm)	(dB)
10	QPSK	1	26	20.56	20.63	20.57	21.5	0.0
	Channel			342500	349000	355500	Tune-up limit	MPR
	Frequency (MHz)			1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	12	20.58	20.62	20.58	21.5	0.0



Part27Q n78 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel				63334				
	Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1		22.45				
100	Pi/2 BPSK	1	137		22.37		24.0	0.0	
100	Pi/2 BPSK	1	271		22.19				
100	Pi/2 BPSK	135	0		21.71		23.5	0.5	
100	Pi/2 BPSK	135	69		22.42		24.0	0.0	
100	Pi/2 BPSK	135	138		21.74				
100	Pi/2 BPSK	270	0		21.71		23.5	0.5	
100	QPSK	1	1		22.07				
100	QPSK	1	137		22.47		24.0	0.0	
100	QPSK	1	271		22.21				
100	QPSK	135	0		21.17		23.0	1.0	
100	QPSK	135	69		22.44		24.0	0.0	
100	QPSK	135	138		21.22				
100	QPSK	270	0		21.25		23.0	1.0	
100	16QAM	1	137		21.09		23.0	1.0	
100	64QAM	1	137		19.54		21.5	2.5	
100	256QAM	1	137		17.75		19.5	4.5	
	Channel			633000	633334	633668	Tune-up limit	MPR	
	Frequency (MHz)			3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	120		22.36	22.31	22.36	24.0	0.0
	Channel			632668	633334	634000	Tune-up limit	MPR	
	Frequency (MHz)			3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	108		22.34	22.34	22.42	24.0	0.0
	Channel			632334	633334	634334	Tune-up limit	MPR	
	Frequency (MHz)			3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	94		22.32	22.32	22.41	24.0	0.0
	Channel			632000	633334	634668	Tune-up limit	MPR	
	Frequency (MHz)			3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		22.42	22.44	22.37	24.0	0.0
	Channel			631668	633334	635000	Tune-up limit	MPR	
	Frequency (MHz)			3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		22.28	22.31	22.35	24.0	0.0
	Channel			631334	633334	635334	Tune-up limit	MPR	
	Frequency (MHz)			3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		22.21	22.42	22.42	24.0	0.0
	Channel			631000	633334	635668	Tune-up limit	MPR	
	Frequency (MHz)			3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		22.26	22.35	22.39	24.0	0.0
	Channel			630668	633334	636000	Tune-up limit	MPR	
	Frequency (MHz)			3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	25		22.43	22.40	22.28	24.0	0.0
	Channel			630500	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		22.22	22.36	22.37	24.0	0.0
	Channel			630334	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		22.36	22.32	22.36	24.0	0.0



Part27Q n78 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
	Channel				633334				
	Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1		20.29				
100	Pi/2 BPSK	1	137		20.19		21.0	0.0	
100	Pi/2 BPSK	1	271		19.64				
100	Pi/2 BPSK	135	0		19.56		20.5	0.5	
100	Pi/2 BPSK	135	69		20.24		21.0	0.0	
100	Pi/2 BPSK	135	138		19.68				
100	Pi/2 BPSK	270	0		19.59		20.5	0.5	
100	QPSK	1	1		19.55				
100	QPSK	1	137		20.30		21.0	0.0	
100	QPSK	1	271		19.66				
100	QPSK	135	0		19.08		20.0	1.0	
100	QPSK	135	69		20.26		21.0	0.0	
100	QPSK	135	138		19.13				
100	QPSK	270	0		19.14		20.0	1.0	
100	16QAM	1	137		18.34		20.0	1.0	
100	64QAM	1	137		16.92		18.5	2.5	
100	256QAM	1	137		15.64		15.5	4.5	
	Channel			633000	633334	633668	Tune-up limit	MPR	
	Frequency (MHz)			3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	120		20.06	20.22	20.02	21.0	0.0
	Channel			632668	633334	634000	Tune-up limit	MPR	
	Frequency (MHz)			3490.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	108		20.19	20.29	20.14	21.0	0.0
	Channel			632334	633334	634334	Tune-up limit	MPR	
	Frequency (MHz)			3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	94		20.15	20.23	19.98	21.0	0.0
	Channel			632000	633334	634668	Tune-up limit	MPR	
	Frequency (MHz)			3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	81		20.07	20.27	20.06	21.0	0.0
	Channel			631668	633334	635000	Tune-up limit	MPR	
	Frequency (MHz)			3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	67		20.07	20.21	20.12	21.0	0.0
	Channel			631334	633334	635334	Tune-up limit	MPR	
	Frequency (MHz)			3470.01	3500.01	3530.01	(dBm)	(dB)	
40	QPSK	1	53		20.18	20.27	20.03	21.0	0.0
	Channel			631000	633334	635668	Tune-up limit	MPR	
	Frequency (MHz)			3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	39		20.11	20.23	19.96	21.0	0.0
	Channel			630668	633334	636000	Tune-up limit	MPR	
	Frequency (MHz)			3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	25		20.10	20.23	20.06	21.0	0.0
	Channel			630500	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19		20.02	20.20	20.12	21.0	0.0
	Channel			630334	633334	636334	Tune-up limit	MPR	
	Frequency (MHz)			3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	12		19.98	20.24	19.95	21.0	0.0



ECI2 Power

n2 Ant0 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		
				Ch. / Freq.	373000	376000	379000	Ch. / Freq.	373000	376000
Channel				1665	1800	1825	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				1665	1800	1825				
30	PI/2 BPSK	1	1	22.15	22.26	22.15				
30	PI/2 BPSK	1	80	22.13	22.23	22.12	24.0			0.0
30	PI/2 BPSK	1	158	22.14	22.24	22.13				
30	PI/2 BPSK	80	0	21.80	21.93	21.84	23.5			0.5
30	PI/2 BPSK	80	40	22.16	22.25	22.14	24.0			0.0
30	PI/2 BPSK	80	80	21.77	21.88	21.82				
30	PI/2 BPSK	160	0	21.92	21.97	21.85	23.5			0.5
30	QPSK	1	1	22.21	22.32	22.28				
30	QPSK	1	80	22.15	22.28	22.16	24.0			0.0
30	QPSK	1	158	22.12	22.24	22.10				
30	QPSK	80	0	21.34	21.42	21.27	23.0			1.0
30	QPSK	80	40	22.18	22.29	22.19	24.0			0.0
30	QPSK	80	80	21.28	21.38	21.27				
30	QPSK	160	0	21.41	21.47	21.40	23.0			1.0
30	16QAM	1	1	21.12	21.15	21.70	23.0			1.0
30	64QAM	1	1	19.51	19.65	19.59	21.5			2.5
30	256QAM	1	1	18.18	18.29	18.21	19.5			4.5
Channel				372000	376000	379000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				1829.5	1880	1897.5				
25	QPSK	1	1	22.09	22.18	22.25	24.0			0.0
Channel				372000	376000	380000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	22.10	22.22	22.19	24.0			0.0
Channel				371600	376000	380500	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				1837.5	1880	1902.5				
15	QPSK	1	1	22.10	22.22	22.19	24.0			0.0
Channel				371000	376000	381000	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	22.11	22.25	22.11	24.0			0.0
Channel				370500	376000	381500	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				1832.5	1880	1907.5				
5	QPSK	1	1	22.11	22.20	22.19	24.0			0.0

n5 Ant0 DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		
				Ch. / Freq.	167300	167300	167300	Ch. / Freq.	167300	167300
Channel				831.5	836.5	836.5	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				831.5	836.5	836.5				
25	PI/2 BPSK	1	1	22.81	22.86	22.71				
25	PI/2 BPSK	1	64	22.69	22.83	22.65	24.0			0.0
25	PI/2 BPSK	1	131	22.66	22.77	22.56				
25	PI/2 BPSK	64	0	22.26	22.38	22.19	23.5			0.5
25	PI/2 BPSK	64	33	22.70	22.81	22.64	24.0			0.0
25	PI/2 BPSK	64	65	22.22	22.37	22.18				
25	PI/2 BPSK	128	0	22.28	22.37	22.22	23.5			0.5
25	QPSK	1	1	22.78	22.92	22.69				
25	QPSK	1	64	22.70	22.84	22.67	24.0			0.0
25	QPSK	1	131	22.64	22.75	22.55				
25	QPSK	64	0	21.77	21.89	21.70	23.0			1.0
25	QPSK	64	33	22.75	22.87	22.63	24.0			0.0
25	QPSK	64	65	21.77	21.83	21.65				
25	QPSK	128	0	21.79	21.84	21.59	23.0			1.0
25	16QAM	1	1	21.67	21.74	21.51	23.0			1.0
25	64QAM	1	1	19.89	20.04	19.81	21.5			2.5
25	256QAM	1	1	18.60	18.71	18.48	19.5			4.5
Channel				166300	167300	167300	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				834	836.5	839				
20	QPSK	1	1	22.64	22.74	22.52	24.0			0.0
Channel				166300	167300	168300	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.69	22.84	22.62	24.0			0.0
Channel				165300	167300	168300	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.72	22.77	22.59	24.0			0.0
Channel				165300	167300	169300	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.84	22.86	22.61	24.0			0.0



n26 Ant0 DS12								
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				164400	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	56	22.23	22.45	22.31	24.0	0.0
20	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
20	QPSK	50	56	22.70	22.89	22.76	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84		
20	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
20	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.71	22.81	22.69	24.0	0.0

n66 Ant0 DS12								
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				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	22.11	22.24	22.10		
45	PI/2 BPSK	1	120	22.73	22.82	22.70	24.0	0.0
45	PI/2 BPSK	1	243	22.35	22.41	22.31		
45	PI/2 BPSK	120	0	22.04	22.15	22.10	23.5	0.5
45	PI/2 BPSK	120	60	22.57	22.64	22.60	24.0	0.0
45	PI/2 BPSK	120	120	22.29	22.37	22.30		
45	PI/2 BPSK	240	0	22.14	22.27	22.16	23.5	0.5
45	QPSK	1	1	22.17	22.31	22.22		
45	QPSK	1	120	22.66	22.77	22.69	24.0	0.0
45	QPSK	1	243	22.29	22.38	22.30		
45	QPSK	120	0	21.67	21.82	21.74	23.0	1.0
45	QPSK	120	60	22.76	22.84	22.71	24.0	0.0
45	QPSK	120	120	21.91	21.90	21.91		
45	QPSK	240	0	21.79	21.86	21.77	23.0	1.0
45	16QAM	1	120	21.05	21.08	21.04	23.0	1.0
45	64QAM	1	120	19.54	19.57	19.51	21.5	2.5
45	256QAM	1	120	18.02	18.12	18.00	19.5	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	22.81	22.75	22.69	24.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	22.71	22.63	22.68	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	22.63	22.81	22.69	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	22.68	22.78	22.76	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	22.68	22.78	22.75	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.68	22.83	22.76	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.75	22.73	22.70	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	22.63	22.77	22.76	24.0	0.0



n7 Ant1 DS12									
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				503000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.85	22.95	22.80			
50	PI/2 BPSK	1	135	22.73	22.85	22.65	24.0	0.0	
50	PI/2 BPSK	1	268	22.49	22.55	22.36			
50	PI/2 BPSK	135	0	22.19	22.31	22.14	23.5	0.5	
50	PI/2 BPSK	135	68	22.29	22.41	22.19	24.0	0.0	
50	PI/2 BPSK	135	135	22.23	22.34	22.16	23.5	0.5	
50	PI/2 BPSK	270	0	22.22	22.33	22.14			
50	QPSK	1	1	22.89	22.98	22.81			
50	QPSK	1	135	22.66	22.79	22.55	24.0	0.0	
50	QPSK	1	268	22.38	22.47	22.25			
50	QPSK	135	0	21.69	21.81	21.61	23.0	1.0	
50	QPSK	135	68	22.82	22.93	22.70	24.0	0.0	
50	QPSK	135	135	21.70	21.82	21.57	23.0	1.0	
50	QPSK	270	0	21.66	21.78	21.54			
50	16QAM	1	1	21.10	21.19	21.07	23.0	1.0	
50	64QAM	1	1	19.81	19.90	19.72	21.5	2.5	
50	256QAM	1	1	18.49	18.59	18.38	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.83	22.88	22.69	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	22.83	22.83	23.74	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.83	22.88	22.68	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2550			
20	QPSK	1	1	22.76	22.84	22.69	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	22.80	22.90	22.68	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	22.79	22.87	22.74	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	22.77	22.89	22.72	24.0	0.0	



Part27Q n78 Ant1 DSI2

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)				20.34	20.62	20.48	22.0	0.0
100	PI/2 BPSK	1	1					
100	PI/2 BPSK	1	137					
100	PI/2 BPSK	1	271					
100	PI/2 BPSK	135	0		19.97		21.5	0.5
100	PI/2 BPSK	135	69		20.68		22.0	0.0
100	PI/2 BPSK	135	138		19.95		21.5	0.5
100	PI/2 BPSK	270	0		19.92			
100	QPSK	1	1		20.01			
100	QPSK	1	137		20.73		22.0	0.0
100	QPSK	1	271		20.44			
100	QPSK	135	0		19.46		21.0	1.0
100	QPSK	135	69		20.70		22.0	0.0
100	QPSK	135	138		19.39		21.0	1.0
100	QPSK	270	0		19.41			
100	16QAM	1	137		19.45		21.0	1.0
100	64QAM	1	137		18.07		19.5	2.5
100	256QAM	1	137		16.06		17.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120		20.55	20.44	22.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108		20.58	20.54	22.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94		20.69	20.63	22.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81		20.84	20.45	22.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67		20.52	20.53	22.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53		20.32	20.31	22.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39		20.30	20.48	22.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25		20.49	20.52	22.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19		20.50	20.34	22.0	0.0
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12		20.49	20.35	22.0	0.0



Part27Q n78 Ant2 DSI2

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)				21.34				
100	Pi/2 BPSK	1	1	21.34			23.0	0.0
100	Pi/2 BPSK	1	137	21.49				
100	Pi/2 BPSK	1	271	21.29				
100	Pi/2 BPSK	135	0	20.99			22.5	0.5
100	Pi/2 BPSK	135	69	21.51			23.0	0.0
100	Pi/2 BPSK	135	138	20.88			22.5	0.5
100	Pi/2 BPSK	270	0	20.88				
100	QPSK	1	1	21.07				
100	QPSK	1	137	21.52			23.0	0.0
100	QPSK	1	271	21.24				
100	QPSK	135	0	20.38			22.0	1.0
100	QPSK	135	69	21.54			23.0	0.0
100	QPSK	135	138	20.38			22.0	1.0
100	QPSK	270	0	20.38				
100	16QAM	1	137	20.21			22.0	1.0
100	64QAM	1	137	18.54			20.5	2.5
100	256QAM	1	137	17.03			18.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	21.39	21.37	21.30	23.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	21.33	21.34	21.30	23.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	21.46	21.39	21.33	23.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	21.35	21.45	21.53	23.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	21.36	21.51	21.40	23.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.43	21.32	21.35	23.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	21.46	21.38	21.32	23.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	21.46	21.38	21.32	23.0	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.46	21.38	21.32	23.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.46	21.38	21.32	23.0	0.0



n2 Ant4 DSI2								
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				373000	376000	379000		
Frequency (MHz)				1865	1880	1896		
30	PI/2 BPSK	1	1	17.28	17.26	17.29		
30	PI/2 BPSK	1	80	17.19	17.19	17.30	19.0	0.0
30	PI/2 BPSK	1	158	17.21	17.33	17.33		
30	PI/2 BPSK	80	0	17.24	17.26	17.28	19.0	0.0
30	PI/2 BPSK	80	40	17.27	17.25	17.28	19.0	0.0
30	PI/2 BPSK	80	80	17.16	17.12	17.25		
30	PI/2 BPSK	160	0	17.26	17.15	17.20	19.0	0.0
30	QPSK	1	1	17.31	17.34	17.29		
30	QPSK	1	80	17.26	17.21	17.23	19.0	0.0
30	QPSK	1	158	17.24	17.19	17.18		
30	QPSK	80	0	17.30	17.30	17.30	19.0	0.0
30	QPSK	80	40	17.29	17.32	17.31	19.0	0.0
30	QPSK	80	80	17.27	17.23	17.25		
30	QPSK	160	0	17.26	17.26	17.23	19.0	0.0
30	16QAM	1	1	17.18	17.11	17.14	19.0	0.0
30	64QAM	1	1	16.78	16.95	16.78	16.5	0.5
30	256QAM	1	1	14.81	14.91	14.79	10.5	2.5
Channel				372000	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
25	QPSK	1	1	17.22	17.31	17.28	19.0	0.0
Channel				372000	376000	380000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1960	1980	1990		
20	QPSK	1	1	17.29	17.33	17.18	19.0	0.0
Channel				371500	376000	380500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.17	17.22	17.25	19.0	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1955	1980	1995		
10	QPSK	1	1	17.22	17.23	17.24	19.0	0.0
Channel				370500	376000	381500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.12	17.24	17.21	19.0	0.0

n5 Ant4 NSA DSI2								
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				167300	167300	167300		
Frequency (MHz)				836.5				
25	PI/2 BPSK	1	1		23.09			
25	PI/2 BPSK	1	64		23.01		24.0	0.0
25	PI/2 BPSK	1	131		22.98			
25	PI/2 BPSK	64	0		22.57		23.5	0.5
25	PI/2 BPSK	64	33		23.06		24.0	0.0
25	PI/2 BPSK	64	65		22.52			
25	PI/2 BPSK	128	0		22.55		23.5	0.5
25	QPSK	1	1		23.14			
25	QPSK	1	64		23.07		24.0	0.0
25	QPSK	1	131		23.02			
25	QPSK	64	0		22.85		23.0	1.0
25	QPSK	64	33		23.08		24.0	0.0
25	QPSK	64	65		21.99			
25	QPSK	128	0		22.02		23.0	1.0
25	16QAM	1	1		21.71		23.0	1.0
25	64QAM	1	1		20.24		21.5	2.5
25	256QAM	1	1		18.84		19.5	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.01	22.07	22.05	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.08	22.07	22.05	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.01	22.01	22.05	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.04	22.05	22.08	24.0	0.0



n66 Ant4 DS12

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.14	20.19	20.12		
45	PI/2 BPSK	1	120	20.51	20.66	20.62	21.5	0.0
45	PI/2 BPSK	1	243	20.03	20.13	20.13		
45	PI/2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5
45	PI/2 BPSK	120	60	20.35	20.65	20.62	21.5	0.0
45	PI/2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5
45	QPSK	240	0	20.04	20.13	20.08		
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57	21.5	0.0
45	QPSK	1	243	19.91	19.99	19.94		
45	QPSK	120	0	19.85	19.72	19.84	20.5	1.0
45	QPSK	120	60	20.57	20.65	20.68	21.5	0.0
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74		
45	16QAM	1	120	18.85	18.96	18.89	20.5	1.0
45	64QAM	1	120	17.37	17.49	17.46	19.0	2.5
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				346500	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.48	20.61	20.58	21.5	0.0
Channel				346500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.55	20.64	20.59	21.5	0.0
Channel				346500	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.57	20.62	20.55	21.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.55	20.63	20.58	21.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.60	20.65	20.61	21.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.63	20.64	20.61	21.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.56	20.63	20.57	21.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.58	20.62	20.58	21.5	0.0



Part27Q n78 Ant5 DSI2

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				63334	3500.01			
Frequency (MHz)					15.31			
100	Pi/2 BPSK	1	1		15.31			
100	Pi/2 BPSK	1	137		15.22		17.0	0.0
100	Pi/2 BPSK	1	271		15.32			
100	Pi/2 BPSK	135	0		15.34		17.0	0.0
100	Pi/2 BPSK	135	69		15.29		17.9	0.0
100	Pi/2 BPSK	135	138		15.14		17.0	0.0
100	Pi/2 BPSK	270	0		15.06			
100	QPSK	1	1		15.31			
100	QPSK	1	137		15.37		17.0	0.0
100	QPSK	1	271		15.13			
100	QPSK	135	0		15.30		17.0	0.0
100	QPSK	135	69		15.31		17.0	0.0
100	QPSK	135	138		15.15		17.0	0.0
100	QPSK	270	0		15.28			
100	16QAM	1	137		15.05		17.0	0.0
100	64QAM	1	137		15.25		17.0	0.0
100	256QAM	1	137		15.11		17.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	15.20	15.25	15.17	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	15.05	15.20	15.10	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	15.19	15.32	15.20	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.16	15.22	15.19	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.14	15.30	15.23	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.10	15.36	15.21	17.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	15.15	15.23	15.22	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	15.19	15.23	15.20	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.10	15.32	15.28	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.06	15.36	15.11	17.0	0.0



Part27Q n78 Ant7 DSI2

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)				18.35	18.14	18.32	19.0	0.0
100	Pi/2 BPSK	1	1					
100	Pi/2 BPSK	1	137					
100	Pi/2 BPSK	1	271					
100	Pi/2 BPSK	135	0		18.29		19.0	0.0
100	Pi/2 BPSK	135	69		18.18		19.0	0.0
100	Pi/2 BPSK	135	138		18.09		19.0	0.0
100	Pi/2 BPSK	270	0		18.10			
100	QPSK	1	1		18.06			
100	QPSK	1	137		18.37		19.0	0.0
100	QPSK	1	271		18.20			
100	QPSK	135	0		18.27		19.0	0.0
100	QPSK	135	69		18.33		19.0	0.0
100	QPSK	135	138		18.28		19.0	0.0
100	QPSK	270	0		18.30			
100	16QAM	1	137		18.05		19.0	0.0
100	64QAM	1	137		17.88		18.5	0.5
100	256QAM	1	137		15.91		15.5	2.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	18.06	18.16	18.06	19.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	18.12	18.23	18.12	19.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	18.10	18.21	18.26	19.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.23	18.16	18.24	19.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.14	18.23	18.21	19.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.24	18.22	18.25	19.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.19	18.28	18.14	19.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	18.12	18.28	18.20	19.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.14	18.20	18.17	19.0	0.0
Channel				630000	633334	636668		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.21	18.21	18.07	19.0	0.0



ECI3 Power

n2 Ant0 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				373000	376000	379000			
Frequency (MHz)				1865	1890	1925			
30	PI/2 BPSK	1	1	16.02	16.07	15.96			
30	PI/2 BPSK	1	80	15.89	15.92	16.06	17.5	0.0	
30	PI/2 BPSK	1	158	15.92	16.00	15.89			
30	PI/2 BPSK	80	0	15.81	15.95	15.99	17.5	0.0	
30	PI/2 BPSK	80	40	15.99	16.00	15.85	17.5	0.0	
30	PI/2 BPSK	80	80	15.91	15.99	15.87			
30	PI/2 BPSK	160	0	15.90	15.98	16.01	17.5	0.0	
30	QPSK	1	1	16.06	16.10	16.02			
30	QPSK	1	80	15.99	15.99	15.94	17.5	0.0	
30	QPSK	1	158	15.79	16.07	15.92			
30	QPSK	80	0	15.82	15.95	16.01	17.5	0.0	
30	QPSK	80	40	15.92	16.07	15.89	17.5	0.0	
30	QPSK	80	80	15.98	15.96	15.84			
30	QPSK	160	0	15.92	16.02	15.84	17.5	0.0	
30	16QAM	1	1	15.99	15.98	15.90	17.5	0.0	
30	64QAM	1	1	15.85	15.96	15.99	17.5	0.0	
30	256QAM	1	1	15.88	16.09	16.00	17.5	0.0	
Channel				372000	376000	379000			
Frequency (MHz)				1852.5	1880	1907.5			
25	QPSK	1	1	15.93	15.87	15.88	17.5	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	15.82	15.92	15.87	17.5	0.0	
Channel				371000	376000	380000			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	15.92	15.90	15.88	17.5	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	15.76	15.91	15.87	17.5	0.0	
Channel				370000	376000	381000			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	15.86	15.97	15.85	17.5	0.0	

n5 Ant0 ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				167500	167500	167500			
Frequency (MHz)				835.5					
25	PI/2 BPSK	1	1		22.86				
25	PI/2 BPSK	1	64		22.83		24.0	0.0	
25	PI/2 BPSK	1	131		22.77				
25	PI/2 BPSK	64	0		22.38		23.5	0.5	
25	PI/2 BPSK	64	33		22.81		24.0	0.0	
25	PI/2 BPSK	64	66		22.37				
25	PI/2 BPSK	128	0		22.37		23.5	0.5	
25	QPSK	1	1		22.92				
25	QPSK	1	64		22.84		24.0	0.0	
25	QPSK	1	131		22.75				
25	QPSK	64	0		21.89		23.0	1.0	
25	QPSK	64	33		22.87		24.0	0.0	
25	QPSK	64	66		21.83				
25	QPSK	128	0		21.84		23.0	1.0	
25	16QAM	1	1		21.74		23.0	1.0	
25	64QAM	1	1		20.04		21.5	2.5	
25	256QAM	1	1		18.71		19.5	4.5	
Channel				166000	167500	167800			
Frequency (MHz)				834	835.5	839			
20	QPSK	1	1	22.64	22.74	22.82	24.0	0.0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.69	22.84	22.82	24.0	0.0	
Channel				165300	167500	168300			
Frequency (MHz)				829	835.5	844			
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.84	22.86	22.61	24.0	0.0	



n26 Ant0 ECI3								
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				164500	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	56	22.23	22.45	22.31	24.0	0.0
20	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
20	QPSK	50	56	22.70	22.89	22.76	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84		
20	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
20	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.71	22.81	22.69	24.0	0.0

n66 Ant0 ECI3								
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				346500	349000	351500		
Frequency (MHz)				1722.5	1745	1757.5		
45	PI/2 BPSK	1	1	19.19	19.32	19.29		
45	PI/2 BPSK	1	120	19.31	19.37	19.29	21.0	0.0
45	PI/2 BPSK	1	243	19.30	19.39	19.26		
45	PI/2 BPSK	120	0	19.28	19.36	19.18	21.0	0.0
45	PI/2 BPSK	120	60	19.29	19.26	19.23	21.0	0.0
45	PI/2 BPSK	120	120	19.28	19.26	19.21	21.0	0.0
45	PI/2 BPSK	240	0	19.14	19.25	19.28		
45	QPSK	1	1	19.38	19.42	19.32		
45	QPSK	1	120	19.79	19.84	19.73	21.0	0.0
45	QPSK	1	243	19.20	19.43	19.26		
45	QPSK	120	0	19.63	19.73	19.72	21.0	0.0
45	QPSK	120	60	19.62	19.77	19.67	21.0	0.0
45	QPSK	120	120	19.62	19.62	19.61	21.0	0.0
45	QPSK	240	0	19.65	19.71	19.68		
45	16QAM	1	120	19.35	19.34	19.26	21.0	0.0
45	64QAM	1	120	19.25	19.43	19.31	21.0	0.0
45	256QAM	1	120	18.02	18.08	18.03	19.5	1.5
Channel				346300	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	108	19.58	19.73	19.75	21.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	19.69	19.80	19.77	21.0	0.0
Channel				345300	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	19.70	19.81	19.67	21.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	19.53	19.76	19.63	21.0	0.0
Channel				344300	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	19.75	19.68	19.78	21.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	19.65	19.82	19.70	21.0	0.0
Channel				343300	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	19.56	19.67	19.63	21.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	19.62	19.70	19.63	21.0	0.0



n7 Ant1 EC13								
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				503000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.98	19.97	19.98		
50	PI/2 BPSK	1	135	19.81	19.96	19.80	21.0	0.0
50	PI/2 BPSK	1	268	19.86	19.92	19.91		
50	PI/2 BPSK	135	0	19.88	19.87	19.91	21.0	0.0
50	PI/2 BPSK	135	68	20.02	20.07	20.10	21.0	0.0
50	PI/2 BPSK	135	135	20.02	20.06	20.04	21.0	0.0
50	PI/2 BPSK	270	0	19.96	20.11	20.01		
50	QPSK	1	1	20.03	20.12	20.09		
50	QPSK	1	135	19.93	20.11	20.06	21.0	0.0
50	QPSK	1	268	19.85	19.89	19.95		
50	QPSK	135	0	19.96	20.00	20.00	21.0	0.0
50	QPSK	135	68	20.00	20.02	19.89	21.0	0.0
50	QPSK	135	135	19.94	19.96	19.77	21.0	0.0
50	QPSK	270	0	20.01	20.06	19.88		
50	16QAM	1	1	20.09	20.09	19.94	21.0	0.0
50	64QAM	1	1	19.91	19.95	19.87	21.0	0.0
50	256QAM	1	1	18.27	18.37	18.34	19.5	1.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.89	19.93	20.07	21.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.83	19.85	20.02	21.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.86	19.93	19.88	21.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	1	19.90	20.07	20.05	21.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.85	20.07	19.84	21.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.78	20.01	20.08	21.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.86	20.03	20.05	21.0	0.0



Part27Q n78 Ant1 ECI3

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334	3500.01				
Frequency (MHz)				20.34					
100	Pi/2 BPSK	1	1		20.34		22.0	0.0	
100	Pi/2 BPSK	1	137		20.62				
100	Pi/2 BPSK	1	271		20.48				
100	Pi/2 BPSK	135	0		19.97		21.5	0.5	
100	Pi/2 BPSK	135	69		20.68		22.0	0.0	
100	Pi/2 BPSK	135	138		19.95		21.5	0.5	
100	Pi/2 BPSK	270	0		19.92				
100	QPSK	1	1		20.01				
100	QPSK	1	137		20.73		22.0	0.0	
100	QPSK	1	271		20.44				
100	QPSK	135	0		19.46		21.0	1.0	
100	QPSK	135	69		20.70		22.0	0.0	
100	QPSK	135	138		19.39		21.0	1.0	
100	QPSK	270	0		19.41				
100	16QAM	1	137		19.45		21.0	1.0	
100	64QAM	1	137		18.07		19.5	2.5	
100	256QAM	1	137		16.06		17.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	120		20.55	20.44	22.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	108		20.58	20.54	22.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	94		20.69	20.63	22.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		20.84	20.45	22.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		20.32	20.31	20.48	22.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39		20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	25		20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636334			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		20.50	20.34	20.60	22.0	0.0
Channel				630000	633334	636668			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		20.49	20.35	20.55	22.0	0.0



Part27Q n78 Ant2 ECI3

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)					16.19			
100	Pi/2 BPSK	1	1		16.19		18.0	0.0
100	Pi/2 BPSK	1	137		16.18			
100	Pi/2 BPSK	1	271		16.25			
100	Pi/2 BPSK	135	0		16.05		18.0	0.0
100	Pi/2 BPSK	135	69		16.08		18.0	0.0
100	Pi/2 BPSK	135	138		16.20		18.0	0.0
100	Pi/2 BPSK	270	0		16.20			
100	QPSK	1	1		16.11			
100	QPSK	1	137		16.59		18.0	0.0
100	QPSK	1	271		16.21			
100	QPSK	135	0		16.38		18.0	0.0
100	QPSK	135	69		16.54		18.0	0.0
100	QPSK	135	138		16.42		18.0	0.0
100	QPSK	270	0		16.49			
100	16QAM	1	137		16.13		18.0	0.0
100	64QAM	1	137		16.14		18.0	0.0
100	256QAM	1	137		16.19		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	16.55	16.39	16.41	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	16.36	16.35	16.57	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	16.56	16.47	16.53	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.50	16.45	16.43	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.46	16.36	16.48	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.47	16.34	16.38	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	16.52	16.37	16.52	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	16.39	16.45	16.40	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	16.44	16.34	16.49	18.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.38	16.52	16.50	18.0	0.0



n2 Ant4 ECI3								
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				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	17.08	17.27	17.08		
30	PI/2 BPSK	1	80	17.08	17.23	17.05	19.0	0.0
30	PI/2 BPSK	1	158	17.04	17.11	17.01		
30	PI/2 BPSK	80	0	17.16	17.12	17.04	19.0	0.0
30	PI/2 BPSK	80	40	17.04	17.22	17.08	19.0	0.0
30	PI/2 BPSK	80	80	17.05	17.12	17.10		
30	PI/2 BPSK	160	0	17.06	17.22	17.21	19.0	0.0
30	QPSK	1	1	17.23	17.31	17.28		
30	QPSK	1	80	17.12	17.26	17.05	19.0	0.0
30	QPSK	1	158	17.07	17.11	17.03		
30	QPSK	80	0	17.09	17.18	17.16	19.0	0.0
30	QPSK	80	40	17.18	17.25	17.23	19.0	0.0
30	QPSK	80	80	17.10	17.08	17.10		
30	QPSK	160	0	17.07	17.19	17.14	19.0	0.0
30	16QAM	1	1	17.03	17.26	17.12	19.0	0.0
30	64QAM	1	1	16.51	16.87	16.72	16.5	0.5
30	256QAM	1	1	14.95	15.22	15.18	16.5	2.5
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
25	QPSK	1	1	17.01	17.21	17.29	19.0	0.0
Channel				372000	376000	380000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1960	1980	1990		
20	QPSK	1	1	17.08	17.13	17.19	19.0	0.0
Channel				371000	376000	380000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	17.11	17.19	17.09	19.0	0.0
Channel				371000	376000	381000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1955	1960	1965		
10	QPSK	1	1	17.14	17.16	17.03	19.0	0.0
Channel				370000	376000	381000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	17.06	17.22	17.18	19.0	0.0

n5 Ant4 NSA ECI3								
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				167300	167300	167300		
Frequency (MHz)				836.5				
25	PI/2 BPSK	1	1		23.09			
25	PI/2 BPSK	1	64		23.01		24.0	0.0
25	PI/2 BPSK	1	131		22.98			
25	PI/2 BPSK	64	0		22.57		23.5	0.5
25	PI/2 BPSK	64	33		23.06		24.0	0.0
25	PI/2 BPSK	64	65		22.52			
25	PI/2 BPSK	128	0		22.55		23.5	0.5
25	QPSK	1	1		23.14			
25	QPSK	1	64		23.07		24.0	0.0
25	QPSK	1	131		23.02			
25	QPSK	64	0		22.85		23.0	1.0
25	QPSK	64	33		23.08		24.0	0.0
25	QPSK	64	65		21.99			
25	QPSK	128	0		22.02		23.0	1.0
25	16QAM	1	1		21.71		23.0	1.0
25	64QAM	1	1		20.24		21.5	2.5
25	256QAM	1	1		18.84		19.5	4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				834	836.5	839		
20	QPSK	1	1	22.01	22.07	22.05	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.08	22.07	22.05	24.0	0.0
Channel				165800	167300	168300	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.01	22.01	22.05	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.04	22.05	22.08	24.0	0.0



n66 Ant4 EC13

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				34500	34900	35150		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.14	20.19	20.12		
45	PI/2 BPSK	1	120	20.51	20.66	20.62	21.5	0.0
45	PI/2 BPSK	1	243	20.03	20.13	20.13		
45	PI/2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5
45	PI/2 BPSK	120	60	20.35	20.65	20.62	21.5	0.0
45	PI/2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5
45	PI/2 BPSK	240	0	20.04	20.13	20.08		
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57	21.5	0.0
45	QPSK	1	243	19.91	19.99	19.94		
45	QPSK	120	0	19.85	19.72	19.84	20.5	1.0
45	QPSK	120	60	20.57	20.65	20.68	21.5	0.0
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74		
45	16QAM	1	120	18.85	18.96	18.89	20.5	1.0
45	64QAM	1	120	17.37	17.49	17.46	19.0	2.5
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				34600	34900	35200		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.55	20.64	20.59	21.5	0.0
Channel				34500	34900	35250		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.62	20.51	20.50	21.5	0.0
Channel				34500	34900	35300		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.57	20.62	20.55	21.5	0.0
Channel				34450	34900	35350		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.55	20.63	20.58	21.5	0.0
Channel				34400	34900	35400		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.60	20.65	20.61	21.5	0.0
Channel				34350	34900	35450		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.63	20.64	20.61	21.5	0.0
Channel				34300	34900	35500		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.56	20.63	20.57	21.5	0.0
Channel				34250	34900	35550		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.58	20.62	20.58	21.5	0.0



Part27Q n78 Ant5 ECI3

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)				14.03				
100	PI/2 BPSK	1	1		14.03		16.0	0.0
100	PI/2 BPSK	1	137		14.04			
100	PI/2 BPSK	1	271		14.09			
100	PI/2 BPSK	135	0		14.02		16.0	0.0
100	PI/2 BPSK	135	69		14.08		16.0	0.0
100	PI/2 BPSK	135	138		14.03		16.0	0.0
100	PI/2 BPSK	270	0		14.07			
100	QPSK	1	1		14.11			
100	QPSK	1	137		14.49		16.0	0.0
100	QPSK	1	271		14.03			
100	QPSK	135	0		14.05		16.0	0.0
100	QPSK	135	69		14.35		16.0	0.0
100	QPSK	135	138		14.05		16.0	0.0
100	QPSK	270	0		14.36			
100	16QAM	1	137		14.03		16.0	0.0
100	64QAM	1	137		14.02		16.0	0.0
100	256QAM	1	137		14.07		16.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	14.40	14.37	14.44	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	14.40	14.40	14.42	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	14.42	14.39	14.44	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	14.23	14.27	14.34	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	14.44	14.35	14.35	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	14.39	14.38	14.42	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	14.26	14.31	14.30	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	14.23	14.39	14.43	16.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	14.32	14.37	14.40	16.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	14.28	14.38	14.44	16.0	0.0



Part27Q n78 Ant7 ECI3

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)					16.42			
100	Pi/2 BPSK	1	1		16.42		18.0	0.0
100	Pi/2 BPSK	1	137		16.46			
100	Pi/2 BPSK	1	271		16.52			
100	Pi/2 BPSK	135	0		16.53		18.0	0.0
100	Pi/2 BPSK	135	69		16.44		18.0	0.0
100	Pi/2 BPSK	135	138		16.53		18.0	0.0
100	Pi/2 BPSK	270	0		16.57			
100	QPSK	1	1		16.59			
100	QPSK	1	137		16.97		18.0	0.0
100	QPSK	1	271		16.59			
100	QPSK	135	0		16.79		18.0	0.0
100	QPSK	135	69		16.91		18.0	0.0
100	QPSK	135	138		16.72		18.0	0.0
100	QPSK	270	0		16.85			
100	16QAM	1	137		16.62		18.0	0.0
100	64QAM	1	137		16.51		18.0	0.0
100	256QAM	1	137		15.43		18.5	1.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	16.91	16.88	16.83	18.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	16.81	16.80	16.83	18.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	16.89	16.92	16.89	18.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.91	16.91	16.92	18.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	16.87	16.81	16.85	18.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	16.96	16.89	16.93	18.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	16.89	16.95	16.91	18.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	16.92	16.89	16.96	18.0	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	16.85	16.92	16.90	18.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	16.96	16.83	16.95	18.0	0.0



ECI4 Power

n2 Ant0 Default									
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				373000	376000	379000			
Frequency (MHz)				1865	1890	1925			
30	PI/2 BPSK	1	1	22.15	22.26	22.15			
30	PI/2 BPSK	1	80	22.13	22.23	22.12	24.0	0.0	
30	PI/2 BPSK	1	158	22.14	22.24	22.13			
30	PI/2 BPSK	80	0	21.80	21.93	21.84	23.5	0.5	
30	PI/2 BPSK	80	40	22.16	22.25	22.14	24.0	0.0	
30	PI/2 BPSK	80	80	21.77	21.88	21.82			
30	PI/2 BPSK	160	0	21.92	21.97	21.85	23.5	0.5	
30	QPSK	1	1	22.21	22.32	22.28			
30	QPSK	1	80	22.15	22.28	22.16	24.0	0.0	
30	QPSK	1	158	22.12	22.24	22.10			
30	QPSK	80	0	21.34	21.42	21.27	23.0	1.0	
30	QPSK	80	40	22.18	22.29	22.19	24.0	0.0	
30	QPSK	80	80	21.28	21.38	21.27			
30	QPSK	160	0	21.41	21.47	21.40	23.0	1.0	
30	16QAM	1	1	21.12	21.15	21.70	23.0	1.0	
30	64QAM	1	1	19.51	19.65	19.59	21.5	2.5	
30	256QAM	1	1	18.18	18.29	18.21	19.5	4.5	
Channel				372000	376000	379000	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
25	QPSK	1	1	22.03	22.25	22.15	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	22.10	22.22	22.19	24.0	0.0	
Channel				371600	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	22.10	22.22	22.19	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	22.11	22.25	22.11	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	22.11	22.20	22.19	24.0	0.0	

n5 Ant0 Default									
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				167500	167500	167500			
Frequency (MHz)				837.5					
25	PI/2 BPSK	1	1		22.86				
25	PI/2 BPSK	1	64		22.83		24.0	0.0	
25	PI/2 BPSK	1	131		22.77				
25	PI/2 BPSK	64	0		22.38		23.5	0.5	
25	PI/2 BPSK	64	33		22.81		24.0	0.0	
25	PI/2 BPSK	64	65		22.37				
25	PI/2 BPSK	128	0		22.37		23.5	0.5	
25	QPSK	1	1		22.92				
25	QPSK	1	64		22.84		24.0	0.0	
25	QPSK	1	131		22.75				
25	QPSK	64	0		21.89		23.0	1.0	
25	QPSK	64	33		22.87		24.0	0.0	
25	QPSK	64	65		21.83				
25	QPSK	128	0		21.84		23.0	1.0	
25	16QAM	1	1		21.74		23.0	1.0	
25	64QAM	1	1		20.04		21.5	2.5	
25	256QAM	1	1		18.71		19.5	4.5	
Channel				166800	167300	167800	Tune-up limit	MPR	
Frequency (MHz)				834	839	844	(dBm)	(dB)	
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit	MPR	
Frequency (MHz)				829	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.84	22.86	22.61	24.0	0.0	



n26 Ant0 Default								
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				164400	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	56	22.23	22.45	22.31	24.0	0.0
20	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
20	QPSK	50	56	22.70	22.89	22.76	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84		
20	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
20	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.71	22.81	22.69	24.0	0.0

n66 Ant0 Default								
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				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	22.11	22.24	22.10		
45	PI/2 BPSK	1	120	22.73	22.82	22.70	24.0	0.0
45	PI/2 BPSK	1	243	22.35	22.41	22.31		
45	PI/2 BPSK	120	0	22.04	22.15	22.10	23.5	0.5
45	PI/2 BPSK	120	60	22.57	22.64	22.60	24.0	0.0
45	PI/2 BPSK	120	120	22.29	22.37	22.30		
45	PI/2 BPSK	240	0	22.14	22.27	22.16	23.5	0.5
45	QPSK	1	1	22.17	22.31	22.22		
45	QPSK	1	120	22.66	22.77	22.69	24.0	0.0
45	QPSK	1	243	22.29	22.38	22.30		
45	QPSK	120	0	21.67	21.82	21.74	23.0	1.0
45	QPSK	120	60	22.76	22.84	22.71	24.0	0.0
45	QPSK	120	120	21.91	21.90	21.91		
45	QPSK	240	0	21.79	21.86	21.77	23.0	1.0
45	16QAM	1	120	21.05	21.08	21.04	23.0	1.0
45	64QAM	1	120	19.54	19.57	19.51	21.5	2.5
45	256QAM	1	120	18.02	18.12	18.00	19.5	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	22.81	22.75	22.69	24.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	22.59	22.73	22.62	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	22.63	22.81	22.69	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	22.68	22.78	22.76	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	22.68	22.78	22.75	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.68	22.83	22.76	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.75	22.73	22.70	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	22.63	22.77	22.76	24.0	0.0



n7 Ant1 Default

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				50300	50700	50900		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.85	22.95	22.80		
50	PI/2 BPSK	1	135	22.73	22.85	22.65	24.0	0.0
50	PI/2 BPSK	1	268	22.49	22.55	22.36		
50	PI/2 BPSK	135	0	22.19	22.31	22.14	23.5	0.5
50	PI/2 BPSK	135	68	22.29	22.41	22.19	24.0	0.0
50	PI/2 BPSK	135	135	22.23	22.34	22.16	23.5	0.5
50	PI/2 BPSK	270	0	22.22	22.33	22.14		
50	QPSK	1	1	22.89	22.98	22.81		
50	QPSK	1	135	22.66	22.79	22.55	24.0	0.0
50	QPSK	1	268	22.38	22.47	22.25		
50	QPSK	135	0	21.69	21.81	21.61	23.0	1.0
50	QPSK	135	68	22.82	22.93	22.70	24.0	0.0
50	QPSK	135	135	21.70	21.82	21.57	23.0	1.0
50	QPSK	270	0	21.66	21.78	21.54		
50	16QAM	1	1	21.10	21.19	21.07	23.0	1.0
50	64QAM	1	1	19.81	19.90	19.72	21.5	2.5
50	256QAM	1	1	16.49	16.59	16.38	19.5	4.5
Channel				50400	50700	51000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.83	22.88	22.69	24.0	0.0
Channel				50300	50700	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.83	22.83	23.74	24.0	0.0
Channel				50250	50700	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.83	22.88	22.68	24.0	0.0
Channel				50200	50700	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	1	22.76	22.84	22.69	24.0	0.0
Channel				50150	50700	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.80	22.90	22.68	24.0	0.0
Channel				50100	50700	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.79	22.87	22.74	24.0	0.0
Channel				50050	50700	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.77	22.89	22.72	24.0	0.0



Part27Q n78 Ant1 Default

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)					20.34			
100	Pi/2 BPSK	1	1		20.34		22.0	0.0
100	Pi/2 BPSK	1	137		20.62			
100	Pi/2 BPSK	1	271		20.48			
100	Pi/2 BPSK	135	0		19.97		21.5	0.5
100	Pi/2 BPSK	135	69		20.68		22.0	0.0
100	Pi/2 BPSK	135	138		19.95		21.5	0.5
100	Pi/2 BPSK	270	0		19.92			
100	QPSK	1	1		20.01			
100	QPSK	1	137		20.73		22.0	0.0
100	QPSK	1	271		20.44			
100	QPSK	135	0		19.46		21.0	1.0
100	QPSK	135	69		20.70		22.0	0.0
100	QPSK	135	138		19.39		21.0	1.0
100	QPSK	270	0		19.41			
100	16QAM	1	137		19.45		21.0	1.0
100	64QAM	1	137		18.07		19.5	2.5
100	256QAM	1	137		16.06		17.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	20.55	20.59	20.44	22.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.58	20.60	20.54	22.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.84	20.60	20.45	22.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.32	20.31	20.48	22.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.49	20.35	20.55	22.0	0.0



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Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)					18.48			
100	Pi/2 BPSK	1	1		18.48			
100	Pi/2 BPSK	1	137		18.44		20.0	0.0
100	Pi/2 BPSK	1	271		18.12			
100	Pi/2 BPSK	135	0		18.06		20.0	0.0
100	Pi/2 BPSK	135	69		18.01		20.0	0.0
100	Pi/2 BPSK	135	138		18.06		20.0	0.0
100	Pi/2 BPSK	270	0		18.17			
100	QPSK	1	1		18.09			
100	QPSK	1	137		18.52		20.0	0.0
100	QPSK	1	271		18.02			
100	QPSK	135	0		18.41		20.0	0.0
100	QPSK	135	69		18.50		20.0	0.0
100	QPSK	135	138		18.44		20.0	0.0
100	QPSK	270	0		18.42			
100	16QAM	1	137		18.44		20.0	0.0
100	64QAM	1	137		18.34		20.0	0.0
100	256QAM	1	137		17.03		18.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	18.35	18.39	18.47	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	18.29	18.34	18.43	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	18.37	18.45	18.44	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.27	18.22	18.27	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.24	18.33	18.29	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.25	18.23	18.48	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.25	18.19	18.28	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	18.23	18.26	18.39	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.24	18.38	18.39	20.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.32	18.21	18.45	20.0	0.0



n2 Ant4 Default									
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				373000	376000	379000			
Frequency (MHz)				1885	1880	1896			
30	PI/2 BPSK	1	1	19.01	19.21	19.15			
30	PI/2 BPSK	1	80	19.04	19.17	19.16	21.0	0.0	
30	PI/2 BPSK	1	158	19.01	19.11	19.09			
30	PI/2 BPSK	80	0	18.58	18.74	18.66	20.5	0.5	
30	PI/2 BPSK	80	40	19.03	19.15	19.08	21.0	0.0	
30	PI/2 BPSK	80	80	18.83	18.76	18.77			
30	PI/2 BPSK	160	0	18.63	18.81	18.76	20.5	0.5	
30	QPSK	1	1	19.07	19.26	19.21			
30	QPSK	1	80	19.05	19.21	19.15	21.0	0.0	
30	QPSK	1	158	19.04	19.19	19.16			
30	QPSK	80	0	18.05	18.21	18.17	20.0	1.0	
30	QPSK	80	40	19.09	19.23	19.16	21.0	0.0	
30	QPSK	80	80	18.08	18.27	18.27			
30	QPSK	160	0	18.16	18.33	18.28	20.0	1.0	
30	16QAM	1	1	18.07	18.11	18.09	20.0	1.0	
30	64QAM	1	1	18.51	18.54	18.53	18.5	2.5	
30	256QAM	1	1	14.83	15.01	14.95	16.5	4.5	
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5	21.0	0.0	
25	QPSK	1	1	19.15	19.23	19.08	21.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1960	1960	1960	21.0	0.0	
20	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	21.0	0.0	
15	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1925	1930	1925	21.0	0.0	
10	QPSK	1	1	19.02	19.20	19.11	21.0	0.0	
Channel				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	21.0	0.0	
5	QPSK	1	1	19.03	19.12	19.14	21.0	0.0	

n5 Ant4 NSA Default									
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				167300	167300	167300			
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1		23.09				
25	PI/2 BPSK	1	64		23.01		24.0	0.0	
25	PI/2 BPSK	1	131		22.98				
25	PI/2 BPSK	64	0		22.57		23.5	0.5	
25	PI/2 BPSK	64	33		23.06		24.0	0.0	
25	PI/2 BPSK	64	65		22.52				
25	PI/2 BPSK	128	0		22.55		23.5	0.5	
25	QPSK	1	1		23.14				
25	QPSK	1	64		23.07		24.0	0.0	
25	QPSK	1	131		23.02				
25	QPSK	64	0		22.85		23.0	1.0	
25	QPSK	64	33		23.08		24.0	0.0	
25	QPSK	64	65		21.99				
25	QPSK	128	0		22.02		23.0	1.0	
25	16QAM	1	1		21.71		23.0	1.0	
25	64QAM	1	1		20.24		21.5	2.5	
25	256QAM	1	1		18.84		19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839	24.0	0.0	
20	QPSK	1	1		22.01	22.07	22.05	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1		22.08	22.07	22.05	24.0	0.0
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1		22.01	22.01	22.05	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1		22.04	22.05	22.08	24.0	0.0



n66 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.14	20.19	20.12	21.5	0.0
45	PI/2 BPSK	1	120	20.51	20.66	20.62		
45	PI/2 BPSK	1	243	20.03	20.13	20.13		
45	PI/2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5
45	PI/2 BPSK	120	60	20.35	20.65	20.62	21.5	0.0
45	PI/2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5
45	PI/2 BPSK	240	0	20.04	20.13	20.08		
45	QPSK	1	1	20.16	20.23	20.19	21.5	0.0
45	QPSK	1	120	20.54	20.66	20.57		
45	QPSK	1	243	19.91	19.99	19.94		
45	QPSK	120	0	19.85	19.72	19.84	20.5	1.0
45	QPSK	120	60	20.57	20.65	20.68	21.5	0.0
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74		
45	16QAM	1	120	18.85	18.96	18.89	20.5	1.0
45	64QAM	1	120	17.37	17.49	17.46	19.0	2.5
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				346500	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.55	20.64	20.59	21.5	0.0
Channel				346500	349000	352500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.61	20.48	20.59	21.5	0.0
Channel				346500	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.57	20.62	20.55	21.5	0.0
Channel				344500	349000	353500	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.55	20.63	20.58	21.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.60	20.65	20.61	21.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.63	20.64	20.61	21.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.56	20.63	20.57	21.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.58	20.62	20.58	21.5	0.0



Part27Q n78 Ant5 Default

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.45			
100	PI/2 BPSK	1	137		22.37		24.0	0.0
100	PI/2 BPSK	1	271		22.19			
100	PI/2 BPSK	135	0		21.71		23.5	0.5
100	PI/2 BPSK	135	69		22.42		24.0	0.0
100	PI/2 BPSK	135	138		21.74		23.5	0.5
100	PI/2 BPSK	270	0		21.71			
100	QPSK	1	1		22.07			
100	QPSK	1	137		22.47		24.0	0.0
100	QPSK	1	271		22.21			
100	QPSK	135	0		21.17		23.0	1.0
100	QPSK	135	69		22.44		24.0	0.0
100	QPSK	135	138		21.22		23.0	1.0
100	QPSK	270	0		21.25			
100	16QAM	1	137		21.09		23.0	1.0
100	64QAM	1	137		19.54		21.5	2.5
100	256QAM	1	137		17.75		19.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	22.36	22.31	22.36	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	22.34	22.34	22.42	24.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	22.32	22.32	22.41	24.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	22.42	22.44	22.37	24.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	22.28	22.31	22.35	24.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	22.21	22.42	22.42	24.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	22.26	22.35	22.39	24.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	22.43	22.40	22.28	24.0	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	22.22	22.36	22.37	24.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	22.36	22.32	22.36	24.0	0.0



Part27Q n78 Ant7 Default

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)				20.29				
100	Pi/2 BPSK	1	1		20.29			
100	Pi/2 BPSK	1	137		20.19		21.0	0.0
100	Pi/2 BPSK	1	271		19.64			
100	Pi/2 BPSK	135	0		19.56		20.5	0.5
100	Pi/2 BPSK	135	66		20.24		21.0	0.0
100	Pi/2 BPSK	135	138		19.68		20.5	0.5
100	Pi/2 BPSK	270	0		19.59			
100	QPSK	1	1		19.55			
100	QPSK	1	137		20.30		21.0	0.0
100	QPSK	1	271		19.66			
100	QPSK	135	0		19.08		20.0	1.0
100	QPSK	135	66		20.25		21.0	0.0
100	QPSK	135	138		19.13		20.0	1.0
100	QPSK	270	0		19.14			
100	16QAM	1	137		18.34		20.0	1.0
100	64QAM	1	137		16.92		18.5	2.5
100	256QAM	1	137		15.64		15.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	20.06	20.22	20.02	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.16	20.20	20.14	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.15	20.23	19.98	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.07	20.27	20.06	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.07	20.21	20.12	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.18	20.27	20.03	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.11	20.23	19.96	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.10	20.23	20.06	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.02	20.20	20.12	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	19.98	20.24	19.95	21.0	0.0



ECI6 Power

n2 Ant0 ECI6									
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				373000	376000	379000			
Frequency (MHz)				1855	1890	1925			
30	PI/2 BPSK	1	1	16.78	16.83	16.89			
30	PI/2 BPSK	1	80	16.86	16.82	16.86	18.5	0.0	
30	PI/2 BPSK	1	158	16.78	16.82	16.78			
30	PI/2 BPSK	80	0	16.77	16.88	16.91	18.5	0.0	
30	PI/2 BPSK	80	40	16.80	16.86	16.81	18.5	0.0	
30	PI/2 BPSK	80	80	16.70	16.94	16.81			
30	PI/2 BPSK	160	0	16.91	17.01	16.77	18.5	0.0	
30	QPSK	1	1	16.92	17.02	16.96			
30	QPSK	1	80	16.91	16.92	16.94	18.5	0.0	
30	QPSK	1	158	16.85	17.01	16.96			
30	QPSK	80	0	16.71	16.98	16.93	18.5	0.0	
30	QPSK	80	40	16.79	16.92	16.88	18.5	0.0	
30	QPSK	80	80	16.94	16.87	16.86			
30	QPSK	160	0	16.86	16.88	16.86	18.5	0.0	
30	16QAM	1	1	16.86	16.93	16.76	18.5	0.0	
30	64QAM	1	1	16.78	16.96	16.96	18.5	0.0	
30	256QAM	1	1	16.83	16.98	16.77	18.5	0.0	
Channel				372000	378000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1890	1907.5			
25	QPSK	1	1	16.69	16.88	16.92	16.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	16.78	16.86	16.85	18.5	0.0	
Channel				371800	378000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1890	1907.5			
15	QPSK	1	1	16.98	16.98	16.81	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	16.95	17.01	16.77	18.5	0.0	
Channel				370800	378000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1890	1907.5			
5	QPSK	1	1	16.85	16.87	16.85	18.5	0.0	

n5 Ant0 ECI6									
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				167500	167500	167500			
Frequency (MHz)				835.5					
25	PI/2 BPSK	1	1		22.86				
25	PI/2 BPSK	1	64		22.83		24.0	0.0	
25	PI/2 BPSK	1	131		22.77				
25	PI/2 BPSK	64	0		22.38		23.5	0.5	
25	PI/2 BPSK	64	33		22.81		24.0	0.0	
25	PI/2 BPSK	64	65		22.37				
25	PI/2 BPSK	128	0		22.37		23.5	0.5	
25	QPSK	1	1		22.92				
25	QPSK	1	64		22.84		24.0	0.0	
25	QPSK	1	131		22.75				
25	QPSK	64	0		21.89		23.0	1.0	
25	QPSK	64	33		22.87		24.0	0.0	
25	QPSK	64	65		21.83				
25	QPSK	128	0		21.84		23.0	1.0	
25	16QAM	1	1		21.74		23.0	1.0	
25	64QAM	1	1		20.04		21.5	2.5	
25	256QAM	1	1		18.71		19.5	4.5	
Channel				166800	167500	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	835.5	839			
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.84	22.86	22.61	24.0	0.0	



n26 Ant0 ECI6								
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				164500	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	56	22.23	22.45	22.31	24.0	0.0
20	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
20	QPSK	50	56	22.70	22.89	22.76	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84		
20	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
20	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.71	22.81	22.69	24.0	0.0

n66 Ant0 ECI6								
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				346500	349000	351500		
Frequency (MHz)				1722.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.08	21.28	21.26		
45	PI/2 BPSK	1	120	21.26	21.18	21.29	23.0	0.0
45	PI/2 BPSK	1	243	21.11	21.24	21.17		
45	PI/2 BPSK	120	0	21.21	21.33	21.32	23.0	0.0
45	PI/2 BPSK	120	60	21.18	21.29	21.17	23.0	0.0
45	PI/2 BPSK	120	120	21.06	21.31	21.26		
45	PI/2 BPSK	240	0	21.28	21.36	21.35	23.0	0.0
45	QPSK	1	1	21.32	21.39	21.27		
45	QPSK	1	120	21.84	21.86	21.79	23.0	0.0
45	QPSK	1	243	21.47	21.52	21.40		
45	QPSK	120	0	21.81	21.75	21.48	23.0	0.0
45	QPSK	120	60	21.76	21.85	21.76	23.0	0.0
45	QPSK	120	120	21.75	21.77	21.71		
45	QPSK	240	0	21.82	21.84	21.81	23.0	0.0
45	16QAM	1	120	21.12	21.26	21.17	23.0	0.0
45	64QAM	1	120	19.87	19.88	19.77	21.5	1.5
45	256QAM	1	120	17.94	18.00	17.62	19.5	3.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	21.78	21.80	21.73	23.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	21.65	21.66	21.73	23.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	21.78	21.83	21.78	23.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	21.81	21.72	21.73	23.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	21.76	21.82	21.67	23.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	21.80	21.74	21.75	23.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	21.69	21.67	21.61	23.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	21.84	21.69	21.68	23.0	0.0



n7 Ant1 EC16									
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				503000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	20.62	20.80	20.68			
50	PI/2 BPSK	1	135	20.60	20.76	20.55	22.0	0.0	
50	PI/2 BPSK	1	268	20.69	20.63	20.64			
50	PI/2 BPSK	135	0	20.63	20.68	20.65	22.0	0.0	
50	PI/2 BPSK	135	68	20.64	20.74	20.71	22.0	0.0	
50	PI/2 BPSK	135	135	20.60	20.65	20.74	22.0	0.0	
50	PI/2 BPSK	270	0	20.58	20.80	20.59			
50	QPSK	1	1	20.75	20.81	20.73			
50	QPSK	1	135	20.67	20.74	20.65	22.0	0.0	
50	QPSK	1	268	20.61	20.73	20.64			
50	QPSK	135	0	20.74	20.65	20.61	22.0	0.0	
50	QPSK	135	68	20.71	20.77	20.73	22.0	0.0	
50	QPSK	135	135	20.75	20.61	20.70	22.0	0.0	
50	QPSK	270	0	20.68	20.72	20.64			
50	16QAM	1	1	20.62	20.80	20.58	22.0	0.0	
50	64QAM	1	1	20.25	20.28	20.21	21.5	0.5	
50	256QAM	1	1	18.31	18.38	18.33	19.5	2.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	20.73	20.65	20.55	22.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	20.68	20.69	20.72	22.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	20.65	20.79	20.76	22.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	QPSK	1	1	20.60	20.62	20.61	22.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	20.72	20.67	20.72	22.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	20.63	20.73	20.58	22.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	20.68	20.73	20.56	22.0	0.0	



Part27Q n78 Ant1 ECI6

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				63334	3500.01			
Frequency (MHz)				20.34				
100	Pi/2 BPSK	1	1		20.34		22.0	0.0
100	Pi/2 BPSK	1	137		20.62			
100	Pi/2 BPSK	1	271		20.48			
100	Pi/2 BPSK	135	0		19.97		21.5	0.5
100	Pi/2 BPSK	135	69		20.68		22.0	0.0
100	Pi/2 BPSK	135	138		19.95		21.5	0.5
100	Pi/2 BPSK	270	0		19.92			
100	QPSK	1	1		20.01			
100	QPSK	1	137		20.73		22.0	0.0
100	QPSK	1	271		20.44			
100	QPSK	135	0		19.46		21.0	1.0
100	QPSK	135	69		20.70		22.0	0.0
100	QPSK	135	138		19.39		21.0	1.0
100	QPSK	270	0		19.41			
100	16QAM	1	137		19.45		21.0	1.0
100	64QAM	1	137		18.07		19.5	2.5
100	256QAM	1	137		16.06		17.5	4.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	20.55	20.59	20.44	22.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.58	20.60	20.54	22.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.84	20.60	20.45	22.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.32	20.31	20.48	22.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.49	20.35	20.55	22.0	0.0



Part27Q n78 Ant2 ECI6

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)					18.48			
100	Pi/2 BPSK	1	1		18.48			
100	Pi/2 BPSK	1	137		18.44		20.0	0.0
100	Pi/2 BPSK	1	271		18.12			
100	Pi/2 BPSK	135	0		18.06		20.0	0.0
100	Pi/2 BPSK	135	69		18.01		20.0	0.0
100	Pi/2 BPSK	135	138		18.06		20.0	0.0
100	Pi/2 BPSK	270	0		18.17			
100	QPSK	1	1		18.09			
100	QPSK	1	137		18.52		20.0	0.0
100	QPSK	1	271		18.02			
100	QPSK	135	0		18.41		20.0	0.0
100	QPSK	135	69		18.50		20.0	0.0
100	QPSK	135	138		18.44		20.0	0.0
100	QPSK	270	0		18.42			
100	16QAM	1	137		18.44		20.0	0.0
100	64QAM	1	137		18.34		20.0	0.0
100	256QAM	1	137		17.03		18.5	1.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	18.35	18.39	18.47	20.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	18.29	18.34	18.43	20.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	18.37	18.45	18.44	20.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.27	18.22	18.27	20.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.24	18.33	18.29	20.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.25	18.23	18.48	20.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.25	18.19	18.28	20.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	18.23	18.26	18.39	20.0	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.24	18.38	18.39	20.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.32	18.21	18.45	20.0	0.0



n2 Ant4 ECI6									
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				373000	376000	379000			
Frequency (MHz)				1885	1880	1896			
30	PI/2 BPSK	1	1	19.01	19.21	19.15			
30	PI/2 BPSK	1	80	19.04	19.17	19.16	21.0	0.0	
30	PI/2 BPSK	1	158	19.01	19.11	19.09			
30	PI/2 BPSK	80	0	18.58	18.74	18.66	20.5	0.5	
30	PI/2 BPSK	80	40	19.03	19.15	19.08	21.0	0.0	
30	PI/2 BPSK	80	80	18.83	18.76	18.77			
30	PI/2 BPSK	160	0	18.63	18.81	18.76	20.5	0.5	
30	QPSK	1	1	19.07	19.26	19.21			
30	QPSK	1	80	19.05	19.21	19.15	21.0	0.0	
30	QPSK	1	158	19.04	19.19	19.16			
30	QPSK	80	0	18.05	18.21	18.17	20.0	1.0	
30	QPSK	80	40	19.09	19.23	19.16	21.0	0.0	
30	QPSK	80	80	18.08	18.27	18.27			
30	QPSK	160	0	18.16	18.33	18.28	20.0	1.0	
30	16QAM	1	1	18.07	18.11	18.09	20.0	1.0	
30	64QAM	1	1	18.51	18.54	18.53	18.5	2.5	
30	256QAM	1	1	14.83	15.01	14.95	16.5	4.5	
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5			
25	QPSK	1	1	19.11	19.13	19.07	21.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1960	1960	1960			
20	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1905	1930	1905			
10	QPSK	1	1	19.02	19.20	19.11	21.0	0.0	
Channel				370000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	19.03	19.12	19.14	21.0	0.0	

n5 Ant4 NSA ECI6									
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				167300	167300	167300			
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1		23.09				
25	PI/2 BPSK	1	64		23.01		24.0	0.0	
25	PI/2 BPSK	1	131		22.98				
25	PI/2 BPSK	64	0		22.57		23.5	0.5	
25	PI/2 BPSK	64	33		23.06		24.0	0.0	
25	PI/2 BPSK	64	65		22.52				
25	PI/2 BPSK	128	0		22.55		23.5	0.5	
25	QPSK	1	1		23.14				
25	QPSK	1	64		23.07		24.0	0.0	
25	QPSK	1	131		23.02				
25	QPSK	64	0		22.85		23.0	1.0	
25	QPSK	64	33		23.08		24.0	0.0	
25	QPSK	64	65		21.99				
25	QPSK	128	0		22.02		23.0	1.0	
25	16QAM	1	1		21.71		23.0	1.0	
25	64QAM	1	1		20.24		21.5	2.5	
25	256QAM	1	1		18.84		19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	QPSK	1	1		22.01	22.07	22.05	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1		22.08	22.07	22.05	24.0	0.0
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1		22.01	22.01	22.05	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1		22.04	22.05	22.08	24.0	0.0



n66 Ant4 EC16

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.14	20.19	20.12		
45	PI/2 BPSK	1	120	20.51	20.66	20.62	21.5	0.0
45	PI/2 BPSK	1	243	20.03	20.13	20.13		
45	PI/2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5
45	PI/2 BPSK	120	60	20.35	20.65	20.62	21.5	0.0
45	PI/2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5
45	PI/2 BPSK	240	0	20.04	20.13	20.08		
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57	21.5	0.0
45	QPSK	1	243	19.91	19.99	19.94		
45	QPSK	120	0	19.85	19.72	19.84	20.5	1.0
45	QPSK	120	60	20.57	20.65	20.68	21.5	0.0
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74		
45	16QAM	1	120	18.85	18.96	18.89	20.5	1.0
45	64QAM	1	120	17.37	17.49	17.46	19.0	2.5
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.55	20.64	20.59	21.5	0.0
Channel				345000	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.62	20.48	20.51	21.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.57	20.62	20.55	21.5	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.55	20.63	20.58	21.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.60	20.65	20.61	21.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.63	20.64	20.61	21.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.56	20.63	20.57	21.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.58	20.62	20.58	21.5	0.0



Part27Q n78 Ant5 ECI6

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)					18.48			
100	Pi/2 BPSK	1	1		18.48			
100	Pi/2 BPSK	1	137		18.36		20.0	0.0
100	Pi/2 BPSK	1	271		18.19			
100	Pi/2 BPSK	135	0		18.09		20.0	0.0
100	Pi/2 BPSK	135	69		18.04		20.0	0.0
100	Pi/2 BPSK	135	138		18.07		20.0	0.0
100	Pi/2 BPSK	270	0		18.09			
100	QPSK	1	1		18.11			
100	QPSK	1	137		18.59		20.0	0.0
100	QPSK	1	271		18.08			
100	QPSK	135	0		18.48		20.0	0.0
100	QPSK	135	69		18.51		20.0	0.0
100	QPSK	135	138		18.46		20.0	0.0
100	QPSK	270	0		18.47		20.0	0.0
100	16QAM	1	137		18.38		20.0	0.0
100	64QAM	1	137		18.35		20.0	0.0
100	256QAM	1	137		18.01		19.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	18.40	18.48	18.42	20.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	18.45	18.53	18.43	20.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	18.47	18.40	18.45	20.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.49	18.37	18.49	20.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.53	18.45	18.48	20.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.43	18.44	18.39	20.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.54	18.46	18.42	20.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	18.47	18.55	18.55	20.0	0.0
Channel				630334	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	18.44	18.46	18.39	20.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.44	18.38	18.43	20.0	0.0



Part27Q n78 Ant7 ECI6

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	3500.01			
Frequency (MHz)					20.29			
100	PI/2 BPSK	1	1		20.19		21.0	0.0
100	PI/2 BPSK	1	137		19.64			
100	PI/2 BPSK	1	271		19.56		20.5	0.5
100	PI/2 BPSK	135	0		20.24		21.0	0.0
100	PI/2 BPSK	135	138		19.58		20.5	0.5
100	PI/2 BPSK	270	0		19.59			
100	QPSK	1	1		19.55			
100	QPSK	1	137		20.30		21.0	0.0
100	QPSK	1	271		19.66			
100	QPSK	135	0		19.08		20.0	1.0
100	QPSK	135	66		20.25		21.0	0.0
100	QPSK	135	138		19.13		20.0	1.0
100	QPSK	270	0		19.14			
100	16QAM	1	137		18.34		20.0	1.0
100	64QAM	1	137		16.92		18.5	2.5
100	256QAM	1	137		15.64		15.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	20.06	20.22	20.02	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.16	20.20	20.14	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.15	20.23	19.98	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.07	20.27	20.06	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.07	20.21	20.12	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.18	20.27	20.03	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.11	20.23	19.96	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.10	20.23	20.06	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.02	20.20	20.12	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	19.98	20.24	19.95	21.0	0.0



ECI7 Power

n2 Ant0 ECI7									
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				373000	376000	379000			
Frequency (MHz)				1855	1893	1925			
30	PI/2 BPSK	1	1	14.43	14.48	14.42			
30	PI/2 BPSK	1	80	14.48	14.30	14.27	16.0	0.0	
30	PI/2 BPSK	1	158	14.40	14.38	14.37			
30	PI/2 BPSK	80	0	14.44	14.44	14.30	16.0	0.0	
30	PI/2 BPSK	80	40	14.26	14.44	14.30	16.0	0.0	
30	PI/2 BPSK	80	80	14.41	14.28	14.46			
30	PI/2 BPSK	160	0	14.30	14.46	14.31	16.0	0.0	
30	QPSK	1	1	14.43	14.49	14.46			
30	QPSK	1	80	14.36	14.29	14.45	16.0	0.0	
30	QPSK	1	158	14.40	14.45	14.47			
30	QPSK	80	0	14.42	14.31	14.30	16.0	0.0	
30	QPSK	80	40	14.35	14.46	14.30	16.0	0.0	
30	QPSK	80	80	14.33	14.31	14.28			
30	QPSK	160	0	14.40	14.43	14.40	16.0	0.0	
30	16QAM	1	1	14.41	14.28	14.43	16.0	0.0	
30	64QAM	1	1	14.44	14.32	14.42	16.0	0.0	
30	256QAM	1	1	14.34	14.39	14.31	16.0	0.0	
Channel				372000	378000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5			
25	QPSK	1	1	14.31	14.29	14.46	16.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	14.28	14.44	14.34	16.0	0.0	
Channel				371000	378000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	14.35	14.46	14.39	16.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	14.27	14.47	14.41	16.0	0.0	
Channel				370000	378000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	14.36	14.46	14.48	16.0	0.0	

n5 Ant0 ECI7									
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				167500	167500	167500			
Frequency (MHz)				835.5					
25	PI/2 BPSK	1	1		22.86				
25	PI/2 BPSK	1	64		22.83		24.0	0.0	
25	PI/2 BPSK	1	131		22.77				
25	PI/2 BPSK	64	0		22.38		23.5	0.5	
25	PI/2 BPSK	64	33		22.81		24.0	0.0	
25	PI/2 BPSK	64	65		22.37				
25	PI/2 BPSK	128	0		22.37		23.5	0.5	
25	QPSK	1	1		22.92				
25	QPSK	1	64		22.84		24.0	0.0	
25	QPSK	1	131		22.75				
25	QPSK	64	0		21.89		23.0	1.0	
25	QPSK	64	33		22.87		24.0	0.0	
25	QPSK	64	65		21.83				
25	QPSK	128	0		21.84		23.0	1.0	
25	16QAM	1	1		21.74		23.0	1.0	
25	64QAM	1	1		20.04		21.5	2.5	
25	256QAM	1	1		18.71		19.5	4.5	
Channel				166500	167500	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	835.5	839			
20	QPSK	1	1	22.64	22.74	22.52	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	835.5	841.5			
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165300	167500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	835.5	844			
10	QPSK	1	1	22.72	22.77	22.59	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	835.5	846.5			
5	QPSK	1	1	22.64	22.86	22.61	24.0	0.0	



n26 Ant0 ECI7								
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				164500	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
20	PI/2 BPSK	50	50	22.23	22.45	22.31	24.0	0.0
20	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
20	QPSK	1	1	22.76	22.94	22.81		
20	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
20	QPSK	50	26	22.70	22.89	22.76	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84		
20	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
20	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
20	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.71	22.81	22.69	24.0	0.0

n66 Ant0 ECI7								
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				346500	349000	351500		
Frequency (MHz)				1722.5	1745	1757.5		
45	PI/2 BPSK	1	1	18.19	18.17	18.09		
45	PI/2 BPSK	1	120	18.80	18.61	18.50	20.0	0.0
45	PI/2 BPSK	1	243	18.13	18.16	18.06		
45	PI/2 BPSK	120	0	18.59	18.54	18.58	20.0	0.0
45	PI/2 BPSK	120	60	18.42	18.59	18.48	20.0	0.0
45	PI/2 BPSK	120	120	18.61	18.67	18.54		
45	PI/2 BPSK	240	0	18.41	18.58	18.41	20.0	0.0
45	QPSK	1	1	18.14	18.27	18.18		
45	QPSK	1	120	18.77	18.66	18.82	20.0	0.0
45	QPSK	1	243	18.24	18.25	18.21		
45	QPSK	120	0	18.56	18.72	18.76	20.0	0.0
45	QPSK	120	60	18.72	18.78	18.71	20.0	0.0
45	QPSK	120	120	18.68	18.73	18.62	20.0	0.0
45	QPSK	240	0	18.69	18.72	18.54		
45	16QAM	1	120	18.69	18.68	18.57	20.0	0.0
45	64QAM	1	120	18.63	18.66	18.55	20.0	0.0
45	256QAM	1	120	17.75	17.89	17.79	19.5	0.5
Channel				346500	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1760		
40	QPSK	1	108	18.65	18.79	18.74	20.0	0.0
Channel				346500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	18.69	18.73	18.61	20.0	0.0
Channel				346500	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	18.78	18.76	18.85	20.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	18.68	18.85	18.82	20.0	0.0
Channel				344500	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	18.76	18.78	18.68	20.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	18.78	18.76	18.64	20.0	0.0
Channel				343500	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	18.74	18.79	18.79	20.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	18.60	18.76	18.63	20.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				503000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.98	19.97	19.98	21.0	0.0
50	PI/2 BPSK	1	135	19.81	19.96	19.80		
50	PI/2 BPSK	1	268	19.86	19.92	19.91		
50	PI/2 BPSK	135	0	19.88	19.87	19.91	21.0	0.0
50	PI/2 BPSK	135	68	20.02	20.07	20.10	21.0	0.0
50	PI/2 BPSK	135	135	20.02	20.06	20.04	21.0	0.0
50	PI/2 BPSK	270	0	19.96	20.11	20.01	21.0	0.0
50	QPSK	1	1	20.03	20.12	20.09		
50	QPSK	1	135	19.93	20.11	20.06		
50	QPSK	1	268	19.85	19.99	19.95	21.0	0.0
50	QPSK	135	0	19.96	20.00	20.00	21.0	0.0
50	QPSK	135	68	20.00	20.02	19.89	21.0	0.0
50	QPSK	135	135	19.94	19.96	19.77	21.0	0.0
50	QPSK	270	0	20.01	20.06	19.88	21.0	0.0
50	16QAM	1	1	20.09	20.09	19.94		
50	64QAM	1	1	19.91	19.95	19.87		
50	256QAM	1	1	18.27	18.37	18.34	19.5	1.5
Channel				504000	507000	510000	Tune-up limit	MPR
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)
40	QPSK	1	1	19.89	19.93	20.07	21.0	0.0
Channel				503000	507000	511000	Tune-up limit	MPR
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)
30	QPSK	1	1	19.83	19.85	20.02	21.0	0.0
Channel				502500	507000	511500	Tune-up limit	MPR
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)
25	QPSK	1	1	19.86	19.93	19.98	21.0	0.0
Channel				502000	507000	512000	Tune-up limit	MPR
Frequency (MHz)				2510	2535	2550	(dBm)	(dB)
20	QPSK	1	1	19.90	20.07	20.85	21.0	0.0
Channel				501500	507000	512500	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	1	19.85	20.07	19.94	21.0	0.0
Channel				501000	507000	513000	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	1	19.78	20.01	20.88	21.0	0.0
Channel				500500	507000	513500	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	1	19.86	20.03	20.05	21.0	0.0



Part27Q n78 Ant1 ECI7

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63334	3500.01				
Frequency (MHz)				20.34					
100	PI/2 BPSK	1	1		20.34		22.0	0.0	
100	PI/2 BPSK	1	137		20.62				
100	PI/2 BPSK	1	271		20.48				
100	PI/2 BPSK	135	0		19.97		21.5	0.5	
100	PI/2 BPSK	135	69		20.68		22.0	0.0	
100	PI/2 BPSK	135	138		19.95		21.5	0.5	
100	PI/2 BPSK	270	0		19.92				
100	QPSK	1	1		20.01				
100	QPSK	1	137		20.73		22.0	0.0	
100	QPSK	1	271		20.44				
100	QPSK	135	0		19.46		21.0	1.0	
100	QPSK	135	69		20.70		22.0	0.0	
100	QPSK	135	138		19.39		21.0	1.0	
100	QPSK	270	0		19.41				
100	16QAM	1	137		19.45		21.0	1.0	
100	64QAM	1	137		18.07		19.5	2.5	
100	256QAM	1	137		16.06		17.5	4.5	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	120		20.55	20.44	22.0	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	108		20.58	20.54	22.0	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	94		20.69	20.63	22.0	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81		20.84	20.45	22.0	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67		20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53		20.32	20.31	20.48	22.0	0.0
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39		20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	25		20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19		20.50	20.34	20.60	22.0	0.0
Channel				630000	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12		20.49	20.35	20.55	22.0	0.0



Part27Q n78 Ant2 ECI7

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				63334				
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	14.69				
100	Pi/2 BPSK	1	137	14.72			16.5	0.0
100	Pi/2 BPSK	1	271	14.66				
100	Pi/2 BPSK	135	0	14.68			16.5	0.0
100	Pi/2 BPSK	135	69	14.68			16.5	0.0
100	Pi/2 BPSK	135	138	14.71			16.5	0.0
100	Pi/2 BPSK	270	0	14.65				
100	QPSK	1	1	14.68				
100	QPSK	1	137	15.19			16.5	0.0
100	QPSK	1	271	14.71				
100	QPSK	135	0	15.08			16.5	0.0
100	QPSK	135	69	15.11			16.5	0.0
100	QPSK	135	138	15.06			16.5	0.0
100	QPSK	270	0	15.01				
100	16QAM	1	137	14.74			16.5	0.0
100	64QAM	1	137	14.70			16.5	0.0
100	256QAM	1	137	14.69			16.5	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	14.92	15.11	15.00	16.5	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	14.98	15.07	15.12	16.5	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	15.01	15.18	15.06	16.5	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.10	15.04	15.00	16.5	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	14.93	15.13	15.11	16.5	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.12	15.10	15.07	16.5	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	14.94	14.99	15.10	16.5	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	14.98	15.07	15.01	16.5	0.0
Channel				630334	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.08	15.18	14.98	16.5	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	14.91	15.03	15.12	16.5	0.0



n2 Ant4 ECI7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				373000	378000	379000	
Frequency (MHz)				1865	1880	1896	
30	PI/2 BPSK	1	1	15.17	15.26	15.28	
30	PI/2 BPSK	1	80	15.11	15.37	15.36	
30	PI/2 BPSK	1	158	15.21	15.36	15.25	
30	PI/2 BPSK	80	0	15.13	15.37	15.27	17.0
30	PI/2 BPSK	80	40	15.16	15.24	15.37	17.0
30	PI/2 BPSK	80	80	15.09	15.38	15.17	17.0
30	PI/2 BPSK	160	0	15.08	15.37	15.37	17.0
30	QPSK	1	1	15.28	15.39	15.31	
30	QPSK	1	80	15.10	15.29	15.35	
30	QPSK	1	158	15.18	15.20	15.32	
30	QPSK	80	0	15.07	15.36	15.35	17.0
30	QPSK	80	40	15.29	15.37	15.32	17.0
30	QPSK	80	80	15.09	15.28	15.27	17.0
30	QPSK	160	0	15.30	15.33	15.27	17.0
30	16QAM	1	1	15.24	15.36	15.31	17.0
30	64QAM	1	1	15.24	15.34	15.19	17.0
30	256QAM	1	1	14.79	14.87	14.83	16.5
Channel				372500	376100	379500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1897.5	MPR (dB)
25	QPSK	1	1	15.02	15.01	15.06	17.0
Channel				372000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1860	1880	1900	MPR (dB)
20	QPSK	1	1	15.08	15.25	15.12	17.0
Channel				371500	376000	380500	Tune-up limit (dB)
Frequency (MHz)				1857.5	1880	1902.5	MPR (dB)
15	QPSK	1	1	15.14	15.36	15.12	17.0
Channel				371000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1865	1880	1905	MPR (dB)
10	QPSK	1	1	15.09	15.32	15.27	17.0
Channel				370500	376000	381500	Tune-up limit (dB)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	QPSK	1	1	15.21	15.34	15.33	17.0

n5 Ant4 NSA ECI7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				167300	167300	167300	
Frequency (MHz)				836.5			
25	PI/2 BPSK	1	1		23.09		
25	PI/2 BPSK	1	64		23.01		24.0
25	PI/2 BPSK	1	131		22.98		0.0
25	PI/2 BPSK	64	0		22.57		23.5
25	PI/2 BPSK	64	33		23.06		24.0
25	PI/2 BPSK	64	65		22.52		0.0
25	PI/2 BPSK	128	0		22.55		23.5
25	QPSK	1	1		23.14		
25	QPSK	1	64		23.07		24.0
25	QPSK	1	131		23.02		0.0
25	QPSK	64	0		22.85		23.0
25	QPSK	64	33		23.08		24.0
25	QPSK	64	65		21.99		0.0
25	QPSK	128	0		22.02		23.0
25	16QAM	1	1		21.71		23.0
25	64QAM	1	1		20.24		21.5
25	256QAM	1	1		18.84		19.5
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	MPR (dB)
20	QPSK	1	1		22.01	22.07	22.05
Channel				166300	167300	168300	Tune-up limit (dB)
Frequency (MHz)				831.5	836.5	841.5	MPR (dB)
15	QPSK	1	1		22.08	22.07	22.05
Channel				165800	167300	168800	Tune-up limit (dB)
Frequency (MHz)				829	836.5	844	MPR (dB)
10	QPSK	1	1		22.01	22.01	22.05
Channel				165300	167300	169300	Tune-up limit (dB)
Frequency (MHz)				826.5	836.5	846.5	MPR (dB)
5	QPSK	1	1		22.04	22.05	22.08



n66 Ant4 EC17

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.14	20.19	20.12		
45	PI/2 BPSK	1	120	20.51	20.66	20.62	21.5	0.0
45	PI/2 BPSK	1	243	20.03	20.13	20.13		
45	PI/2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5
45	PI/2 BPSK	120	60	20.35	20.65	20.62	21.5	0.0
45	PI/2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5
45	PI/2 BPSK	240	0	20.04	20.13	20.08		
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57	21.5	0.0
45	QPSK	1	243	19.91	19.99	19.94		
45	QPSK	120	0	19.85	19.72	19.84	20.5	1.0
45	QPSK	120	60	20.57	20.65	20.68	21.5	0.0
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74		
45	16QAM	1	120	18.85	18.96	18.89	20.5	1.0
45	64QAM	1	120	17.37	17.49	17.46	19.0	2.5
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.55	20.64	20.59	21.5	0.0
Channel				345000	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.49	20.58	20.43	21.5	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.57	20.62	20.55	21.5	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.55	20.63	20.58	21.5	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.60	20.65	20.61	21.5	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.63	20.64	20.61	21.5	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.56	20.63	20.57	21.5	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.58	20.62	20.58	21.5	0.0



Part27Q n78 Ant5 ECI7

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)				12.12	12.12			
100	Pi/2 BPSK	1	1		12.12		14.0	0.0
100	Pi/2 BPSK	1	137		12.12			
100	Pi/2 BPSK	1	271		12.18			
100	Pi/2 BPSK	135	0		12.25		14.0	0.0
100	Pi/2 BPSK	135	69		12.19		14.0	0.0
100	Pi/2 BPSK	135	138		12.09		14.0	0.0
100	Pi/2 BPSK	270	0		12.18			
100	QPSK	1	1		12.09			
100	QPSK	1	137		12.56		14.0	0.0
100	QPSK	1	271		12.08			
100	QPSK	135	0		12.45		14.0	0.0
100	QPSK	135	69		12.51		14.0	0.0
100	QPSK	135	138		12.44		14.0	0.0
100	QPSK	270	0		12.47		14.0	0.0
100	16QAM	1	137		12.27		14.0	0.0
100	64QAM	1	137		12.22		14.0	0.0
100	256QAM	1	137		12.27		14.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	12.40	12.52	12.42	14.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	12.45	12.55	12.52	14.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	12.56	12.53	12.48	14.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	12.51	12.55	12.55	14.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	12.52	12.48	12.48	14.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	12.54	12.55	12.44	14.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	12.54	12.47	12.53	14.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	12.39	12.55	12.44	14.0	0.0
Channel				630334	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	12.50	12.40	12.39	14.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	12.46	12.57	12.44	14.0	0.0



Part27Q n78 Ant7 ECI7

Channel	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01			
Frequency (MHz)					15.14			
100	Pi/2 BPSK	1	1		15.14		16.5	0.0
100	Pi/2 BPSK	1	137		15.15			
100	Pi/2 BPSK	1	271		15.00			
100	Pi/2 BPSK	135	0		15.12		16.5	0.0
100	Pi/2 BPSK	135	69		14.95		16.5	0.0
100	Pi/2 BPSK	135	138		14.99		16.5	0.0
100	Pi/2 BPSK	270	0		15.08			
100	QPSK	1	1		15.11			
100	QPSK	1	137		15.61		16.5	0.0
100	QPSK	1	271		15.07			
100	QPSK	135	0		15.49		16.5	0.0
100	QPSK	135	69		15.55		16.5	0.0
100	QPSK	135	138		15.46		16.5	0.0
100	QPSK	270	0		15.52			
100	16QAM	1	137		15.09		16.5	0.0
100	64QAM	1	137		15.12		16.5	0.0
100	256QAM	1	137		15.06		16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	120	15.52	15.60	15.56	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	15.41	15.57	15.43	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	15.55	15.56	15.42	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	15.43	15.52	15.49	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	15.51	15.56	15.55	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	15.54	15.50	15.50	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	15.57	15.48	15.46	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	15.54	15.47	15.49	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	15.56	15.43	15.59	16.5	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	15.40	15.39	15.47	16.5	0.0

Default Power for Other PA

n2 Ant0 NSA Default										
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				373000	376000	379000				
Frequency (MHz)				1865	1880	1895				
30	PI/2 BPSK	1	1	2127	2135	2132	23.0	0.0		
30	PI/2 BPSK	1	80	2145	2154	2141				
30	PI/2 BPSK	1	158	2147	2150	2146				
30	PI/2 BPSK	80	0	2094	2102	2100	22.5	0.5		
30	PI/2 BPSK	80	40	2147	2152	2146	23.0	0.0		
30	PI/2 BPSK	80	80	2117	2115	2114	22.5	0.5		
30	PI/2 BPSK	160	0	2113	2111	2105				
30	QPSK	1	1	2140	2157	2141				
30	QPSK	1	80	2138	2148	2133	23.0	0.0		
30	QPSK	1	158	2138	2152	2148				
30	QPSK	80	0	2047	2050	2039				
30	QPSK	80	40	2155	2156	2148	23.0	0.0		
30	QPSK	80	80	2048	2054	2056	22.0	1.0		
30	QPSK	160	0	2043	2059	2046				
30	16QAM	1	1	2010	2012	2008				
30	64QAM	1	1	1854	1854	1855	20.5	2.5		
30	256QAM	1	1	1721	1729	1725	18.5	4.5		
Channel				372500	376000	379500	Tune-up limit	MPR		
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)		
25	QPSK	1	1	2130	2133	2125	23.0	0.0		
Channel				372000	376000	380000	Tune-up limit	MPR		
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)		
20	QPSK	1	1	2129	2135	2121	23.0	0.0		
Channel				371500	376000	380500	Tune-up limit	MPR		
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)		
15	QPSK	1	1	2129	2135	2121	23.0	0.0		
Channel				371000	376000	381000	Tune-up limit	MPR		
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)		
10	QPSK	1	1	2140	2147	2122	23.0	0.0		
Channel				370500	376000	381500	Tune-up limit	MPR		
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)		
5	QPSK	1	1	2133	2139	2120	23.0	0.0		

n66 Ant0 NSA Default										
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				346500	349000	351500				
Frequency (MHz)				1732.5	1745	1757.5				
45	PI/2 BPSK	1	1	2118	2128	2122	23.0	0.0		
45	PI/2 BPSK	1	120	2173	2188	2166				
45	PI/2 BPSK	1	243	2138	2143	2136				
45	PI/2 BPSK	120	0	2102	2123	2115	22.5	0.5		
45	PI/2 BPSK	120	60	2169	2184	2186	23.0	0.0		
45	PI/2 BPSK	120	120	2113	2128	2122	22.5	0.5		
45	PI/2 BPSK	240	0	2116	2131	2115				
45	QPSK	1	1	2106	2121	2112				
45	QPSK	1	120	2179	2188	2171	23.0	0.0		
45	QPSK	1	243	2123	2139	2136				
45	QPSK	120	0	2050	2068	2061				
45	QPSK	120	60	2187	2193	2184	23.0	0.0		
45	QPSK	120	120	2071	2076	2066	22.0	1.0		
45	QPSK	240	0	2070	2077	2067				
45	16QAM	1	120	2007	2005	2003				
45	64QAM	1	120	1853	1863	1858	20.5	2.5		
45	256QAM	1	120	1717	1727	1728	18.5	4.5		
Channel				346000	349000	352000	Tune-up limit	MPR		
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)		
40	QPSK	1	108	2181	2186	2175	23.0	0.0		
Channel				345500	349000	352500	Tune-up limit	MPR		
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)		
35	QPSK	1	92	2171	2177	2169	23.0	0.0		
Channel				345000	349000	353000	Tune-up limit	MPR		
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)		
30	QPSK	1	80	2175	2184	2170	23.0	0.0		
Channel				344500	349000	353500	Tune-up limit	MPR		
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)		
25	QPSK	1	64	2167	2190	2165	23.0	0.0		
Channel				344000	349000	354000	Tune-up limit	MPR		
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)		
20	QPSK	1	53	2175	2184	2159	23.0	0.0		
Channel				343500	349000	354500	Tune-up limit	MPR		
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)		
15	QPSK	1	40	2180	2188	2151	23.0	0.0		
Channel				343000	349000	355000	Tune-up limit	MPR		
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)		
10	QPSK	1	26	2170	2189	2170	23.0	0.0		
Channel				342500	349000	355500	Tune-up limit	MPR		
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)		
5	QPSK	1	12	2169	2167	2158	23.0	0.0		



n2 Ant4 NSA Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				373000	378000	379000	
Frequency (MHz)				1865	1880	1896	
30	PI/2 BPSK	1	1	23.41	23.44	23.34	
30	PI/2 BPSK	1	80	23.25	23.41	23.25	24.0
30	PI/2 BPSK	1	158	23.28	23.32	23.25	0.0
30	PI/2 BPSK	80	0	22.83	22.98	22.93	23.5
30	PI/2 BPSK	80	40	23.45	23.44	23.29	24.0
30	PI/2 BPSK	80	80	22.79	22.86	22.79	0.0
30	PI/2 BPSK	160	0	22.89	22.96	22.98	23.5
30	QPSK	1	1	23.41	23.47	23.42	
30	QPSK	1	80	23.41	23.45	23.31	24.0
30	QPSK	1	158	23.21	23.35	23.24	0.0
30	QPSK	80	0	22.92	22.87	22.84	23.0
30	QPSK	80	40	23.07	23.26	23.20	24.0
30	QPSK	80	80	22.32	22.34	22.25	23.0
30	QPSK	160	0	22.50	22.53	22.51	1.0
30	16QAM	1	1	21.73	21.92	21.71	23.0
30	64QAM	1	1	20.41	20.42	20.35	21.5
30	256QAM	1	1	18.80	18.97	18.91	19.5
Channel				372000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1897.5	MPR (dB)
25	QPSK	1	1	23.30	23.33	23.25	24.0
Channel				372000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1860	1880	1900	MPR (dB)
20	QPSK	1	1	23.31	23.36	23.35	24.0
Channel				371000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1857.5	1880	1902.5	MPR (dB)
15	QPSK	1	1	23.31	23.36	23.36	24.0
Channel				371000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1825	1830	1905	MPR (dB)
10	QPSK	1	1	23.43	23.38	23.42	24.0
Channel				370000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	QPSK	1	1	23.22	23.34	23.34	24.0

n7 Ant4 NSA Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				500000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.80	22.83	22.62	
50	PI/2 BPSK	1	135	23.14	23.18	23.18	24.0
50	PI/2 BPSK	1	268	22.65	22.65	22.70	0.0
50	PI/2 BPSK	155	0	22.85	22.74	22.71	23.5
50	PI/2 BPSK	155	68	23.26	23.30	23.10	24.0
50	PI/2 BPSK	155	135	22.85	22.86	22.84	23.5
50	PI/2 BPSK	270	0	22.71	22.84	22.66	0.0
50	QPSK	1	1	22.82	22.88	22.71	
50	QPSK	1	135	23.01	23.22	23.03	24.0
50	QPSK	1	268	22.87	22.90	22.87	0.0
50	QPSK	155	0	22.22	22.31	22.11	23.0
50	QPSK	155	68	23.31	23.34	23.19	24.0
50	QPSK	155	135	22.17	22.26	22.11	23.0
50	QPSK	270	0	22.13	22.27	22.12	1.0
50	16QAM	1	135	21.71	21.74	21.69	23.0
50	64QAM	1	135	20.04	20.26	20.08	21.5
50	256QAM	1	135	18.82	18.88	18.71	19.5
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	MPR (dB)
40	QPSK	1	108	22.92	23.01	22.88	24.0
Channel				503000	507000	511000	Tune-up limit (dB)
Frequency (MHz)				2515	2535	2555	MPR (dB)
30	QPSK	1	80	22.89	23.02	23.01	24.0
Channel				502000	507000	511500	Tune-up limit (dB)
Frequency (MHz)				2512.5	2535	2557.5	MPR (dB)
25	QPSK	1	64	22.89	23.02	23.01	24.0
Channel				502000	507000	512000	Tune-up limit (dB)
Frequency (MHz)				2510	2535	2560	MPR (dB)
20	QPSK	1	53	22.89	23.02	23.01	24.0
Channel				501500	507000	512500	Tune-up limit (dB)
Frequency (MHz)				2507.5	2535	2562.5	MPR (dB)
15	QPSK	1	40	22.89	23.02	23.01	24.0
Channel				501000	507000	513000	Tune-up limit (dB)
Frequency (MHz)				2505	2535	2565	MPR (dB)
10	QPSK	1	26	22.89	23.02	23.01	24.0
Channel				500500	507000	513500	Tune-up limit (dB)
Frequency (MHz)				2502.5	2535	2567.5	MPR (dB)
5	QPSK	1	12	22.89	23.02	23.01	24.0



n66 Ant4 NSA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	22.12	22.27	22.22		
45	PI/2 BPSK	1	120	22.64	22.69	22.54	24.0	0.0
45	PI/2 BPSK	1	243	22.01	22.04	22.05		
45	PI/2 BPSK	120	0	22.05	22.03	22.03	23.5	0.5
45	PI/2 BPSK	120	60	22.71	22.76	22.68	24.0	0.0
45	PI/2 BPSK	120	120	21.91	22.08	22.06		
45	PI/2 BPSK	240	0	22.02	22.06	21.85	23.5	0.5
45	QPSK	1	1	22.06	22.25	22.16		
45	QPSK	1	120	22.68	22.69	22.49	24.0	0.0
45	QPSK	1	243	22.05	22.05	22.04		
45	QPSK	120	0	21.36	21.55	21.33	23.0	1.0
45	QPSK	120	60	22.67	22.77	22.75	24.0	0.0
45	QPSK	120	120	21.43	21.56	21.52	23.0	1.0
45	QPSK	240	0	21.48	21.55	21.42		
45	16QAM	1	120	21.05	21.05	21.04	23.0	1.0
45	64QAM	1	120	19.54	19.57	19.55	21.5	2.5
45	256QAM	1	120	18.16	18.31	18.13	19.5	4.5
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	22.54	22.61	22.65	24.0	0.0
Channel				345900	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	22.59	22.64	22.65	24.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	22.59	22.67	22.30	24.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	22.50	22.52	22.48	24.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	22.53	22.63	22.43	24.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.61	22.61	22.37	24.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.57	22.61	22.35	24.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	22.57	22.65	22.48	24.0	0.0



ECI2 Power

n2 Ant0 NSA DSI2								
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				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	21.27	21.35	21.32		
30	PI/2 BPSK	1	80	21.45	21.54	21.41	23.0	0.0
30	PI/2 BPSK	1	158	21.47	21.50	21.46		
30	PI/2 BPSK	80	0	20.94	21.02	21.00	22.5	0.5
30	PI/2 BPSK	80	40	21.47	21.52	21.46	23.0	0.0
30	PI/2 BPSK	80	80	21.17	21.15	21.14		
30	PI/2 BPSK	160	0	21.13	21.11	21.05	22.5	0.5
30	QPSK	1	1	21.40	21.57	21.41		
30	QPSK	1	80	21.38	21.48	21.33	23.0	0.0
30	QPSK	1	158	21.38	21.52	21.48		
30	QPSK	80	0	20.47	20.50	20.39	22.0	1.0
30	QPSK	80	40	21.35	21.36	21.48	23.0	0.0
30	QPSK	80	80	20.48	20.54	20.58	22.0	1.0
30	QPSK	160	0	20.43	20.59	20.46		
30	16QAM	1	1	20.10	20.12	20.08	22.0	1.0
30	64QAM	1	1	18.54	18.54	18.55	20.5	2.5
30	256QAM	1	1	17.21	17.29	17.25	18.5	4.5
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
25	QPSK	1	1	21.30	21.33	21.25	23.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	21.29	21.35	21.21	23.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.29	21.35	21.21	23.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.40	21.47	21.22	23.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.33	21.39	21.20	23.0	0.0

n66 Ant0 NSA DSI2								
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				346500	349500	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	21.18	21.28	21.22		
45	PI/2 BPSK	1	120	21.73	21.88	21.66	23.0	0.0
45	PI/2 BPSK	1	243	21.38	21.43	21.36		
45	PI/2 BPSK	120	0	21.02	21.23	21.15	22.5	0.5
45	PI/2 BPSK	120	60	21.69	21.84	21.86	23.0	0.0
45	PI/2 BPSK	120	120	21.13	21.28	21.22		
45	PI/2 BPSK	240	0	21.16	21.31	21.15	22.5	0.5
45	QPSK	1	1	21.08	21.21	21.12		
45	QPSK	1	120	21.79	21.88	21.71	23.0	0.0
45	QPSK	1	243	21.23	21.39	21.36		
45	QPSK	120	0	20.50	20.68	20.61	22.0	1.0
45	QPSK	120	60	21.87	21.83	21.84	23.0	0.0
45	QPSK	120	120	20.71	20.76	20.66	22.0	1.0
45	QPSK	240	0	20.70	20.77	20.67		
45	16QAM	1	120	20.07	20.05	20.03	22.0	1.0
45	64QAM	1	120	18.53	18.63	18.58	20.5	2.5
45	256QAM	1	120	17.17	17.27	17.28	18.5	4.5
Channel				345000	349500	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	21.81	21.86	21.75	23.0	0.0
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	21.71	21.77	21.69	23.0	0.0
Channel				345000	349500	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	21.75	21.84	21.70	23.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	21.87	21.90	21.85	23.0	0.0
Channel				344000	349500	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	21.75	21.84	21.59	23.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	21.80	21.88	21.51	23.0	0.0
Channel				343000	349500	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	21.70	21.89	21.70	23.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	21.69	21.67	21.58	23.0	0.0



n2 Ant4 NSA DSI2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				373000	378000	379000	
Frequency (MHz)				1865	1880	1896	
30	PI/2 BPSK	1	1	21.30	21.23	21.37	
30	PI/2 BPSK	1	80	21.13	21.28	21.30	
30	PI/2 BPSK	1	158	21.16	21.40	21.31	22.0
30	PI/2 BPSK	80	0	21.16	21.33	21.23	22.0
30	PI/2 BPSK	80	40	21.27	21.22	21.23	22.0
30	PI/2 BPSK	80	80	21.24	21.15	21.19	22.0
30	PI/2 BPSK	160	0	21.34	21.18	21.10	22.0
30	QPSK	1	1	21.36	21.41	21.39	
30	QPSK	1	80	21.21	21.29	21.30	22.0
30	QPSK	1	158	21.32	21.15	21.27	22.0
30	QPSK	80	0	21.29	21.34	21.28	22.0
30	QPSK	80	40	21.33	21.38	21.38	22.0
30	QPSK	80	80	21.29	21.28	21.19	22.0
30	QPSK	160	0	21.30	21.34	21.31	22.0
30	16QAM	1	1	21.28	21.11	21.11	22.0
30	64QAM	1	1	20.85	20.88	20.96	21.5
30	256QAM	1	1	18.92	19.92	18.84	19.5
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1897.5	MPR (dB)
25	QPSK	1	1	21.28	21.33	21.28	22.0
Channel				372000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1860	1880	1900	MPR (dB)
20	QPSK	1	1	21.30	21.29	21.24	22.0
Channel				371500	376000	380500	Tune-up limit (dB)
Frequency (MHz)				1857.5	1880	1902.5	MPR (dB)
15	QPSK	1	1	21.35	21.36	21.32	22.0
Channel				371000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1855	1880	1905	MPR (dB)
10	QPSK	1	1	21.22	21.19	21.39	22.0
Channel				370500	376000	381500	Tune-up limit (dB)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	QPSK	1	1	21.23	21.29	21.31	22.0

n7 Ant4 NSA Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	13.17	13.20	13.06	
50	PI/2 BPSK	1	135	13.63	13.66	13.53	14.5
50	PI/2 BPSK	1	268	12.93	13.34	13.14	14.5
50	PI/2 BPSK	135	0	13.46	13.66	13.52	14.5
50	PI/2 BPSK	135	68	13.55	13.70	13.45	14.5
50	PI/2 BPSK	135	135	13.65	13.70	13.47	14.5
50	PI/2 BPSK	270	0	13.52	13.66	13.68	14.5
50	QPSK	1	1	13.13	13.25	13.01	
50	QPSK	1	135	13.46	13.74	13.32	14.5
50	QPSK	1	268	13.21	13.33	13.28	14.5
50	QPSK	135	0	13.68	13.80	13.44	14.5
50	QPSK	135	68	13.70	13.72	13.68	14.5
50	QPSK	135	135	13.59	13.70	13.43	14.5
50	QPSK	270	0	13.53	13.62	13.47	14.5
50	16QAM	1	1	13.04	13.15	13.13	14.5
50	64QAM	1	1	13.51	13.66	13.60	14.5
50	256QAM	1	1	13.65	13.70	13.68	14.5
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	MPR (dB)
40	QPSK	1	1	13.34	13.65	13.45	14.5
Channel				503000	507000	511000	Tune-up limit (dB)
Frequency (MHz)				2515	2535	2555	MPR (dB)
30	QPSK	1	1	13.36	13.50	13.33	14.5
Channel				502500	507000	511500	Tune-up limit (dB)
Frequency (MHz)				2512.5	2535	2557.5	MPR (dB)
25	QPSK	1	1	13.41	13.54	13.50	14.5
Channel				502000	507000	512000	Tune-up limit (dB)
Frequency (MHz)				2510	2535	2560	MPR (dB)
20	PI/2 BPSK	1	1	13.52	13.65	13.41	14.5
Channel				501500	507000	512500	Tune-up limit (dB)
Frequency (MHz)				2507.5	2535	2562.5	MPR (dB)
15	QPSK	1	1	13.52	13.61	13.48	14.5
Channel				501000	507000	513000	Tune-up limit (dB)
Frequency (MHz)				2505	2535	2565	MPR (dB)
10	QPSK	1	1	13.33	13.31	13.53	14.5
Channel				500500	507000	513500	Tune-up limit (dB)
Frequency (MHz)				2502.5	2535	2567.5	MPR (dB)
5	QPSK	1	1	13.32	13.32	13.38	14.5



n66 Ant4 NSA DSI2

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.56	20.57	20.65	22.0	0.0
45	PI/2 BPSK	1	120	20.52	20.58	20.61		
45	PI/2 BPSK	1	243	20.42	20.64	20.58		
45	PI/2 BPSK	120	0	20.58	20.66	20.51	22.0	0.0
45	PI/2 BPSK	120	60	20.57	20.47	20.56	22.0	0.0
45	PI/2 BPSK	120	120	20.48	20.43	20.52	22.0	0.0
45	PI/2 BPSK	240	0	20.61	20.45	20.44		
45	QPSK	1	1	20.11	20.16	20.09	22.0	0.0
45	QPSK	1	120	20.61	20.67	20.63		
45	QPSK	1	243	20.53	20.53	20.51		
45	QPSK	120	0	20.61	20.62	20.58	22.0	0.0
45	QPSK	120	60	20.62	20.63	20.60	22.0	0.0
45	QPSK	120	120	20.58	20.62	20.54	22.0	0.0
45	QPSK	240	0	20.57	20.61	20.60		
45	16QAM	1	120	20.46	20.34	20.53	22.0	0.0
45	64QAM	1	120	19.54	19.57	19.55	21.5	0.5
45	256QAM	1	120	18.16	18.31	18.13	19.5	2.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.63	20.46	20.44	22.0	0.0
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.62	20.60	20.55	22.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.56	20.60	20.55	22.0	0.0
Channel				344000	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.65	20.56	20.52	22.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.61	20.58	20.58	22.0	0.0
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.60	20.54	20.59	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.58	20.51	20.49	22.0	0.0
Channel				342000	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.62	20.44	20.61	22.0	0.0



ECI3 Power

n2 Ant0 NSA ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				373000	376000	379000			
Frequency (MHz)				1855	1880	1905			
30	PI/2 BPSK	1	1	15.06	15.06	14.88			
30	PI/2 BPSK	1	80	14.92	14.83	15.06	16.5	0.0	
30	PI/2 BPSK	1	158	15.04	14.84	14.85			
30	PI/2 BPSK	80	0	15.04	14.91	14.84	16.5	0.0	
30	PI/2 BPSK	80	40	14.90	14.93	14.86	16.5	0.0	
30	PI/2 BPSK	80	80	14.95	15.03	14.93			
30	PI/2 BPSK	160	0	14.95	14.90	14.82	16.5	0.0	
30	QPSK	1	1	14.97	15.07	14.99			
30	QPSK	1	80	14.97	14.96	14.92	16.5	0.0	
30	QPSK	1	158	14.97	14.98	14.98			
30	QPSK	80	0	14.91	15.04	14.87	16.5	0.0	
30	QPSK	80	40	14.95	15.05	14.97	16.5	0.0	
30	QPSK	80	80	14.94	14.85	14.99			
30	QPSK	160	0	14.93	15.02	14.94	16.5	0.0	
30	16QAM	1	1	14.94	15.02	14.91	16.5	0.0	
30	64QAM	1	1	14.91	14.95	14.95	16.5	0.0	
30	256QAM	1	1	14.85	14.97	14.89	16.5	0.0	
Channel				372000	378000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5			
25	QPSK	1	1	14.86	14.93	14.90	16.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	14.96	15.06	15.00	16.5	0.0	
Channel				371000	378000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	14.79	14.97	14.82	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	14.73	14.91	14.84	16.5	0.0	
Channel				370000	378000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	14.93	14.93	14.96	16.5	0.0	

n66 Ant0 NSA ECI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				346500	349500	351500			
Frequency (MHz)				1722.5	1745	1727.5			
45	PI/2 BPSK	1	1	18.08	18.17	18.13			
45	PI/2 BPSK	1	120	18.07	18.26	18.25	20.0	0.0	
45	PI/2 BPSK	1	243	18.16	18.23	18.17			
45	PI/2 BPSK	120	0	18.10	18.32	18.20	20.0	0.0	
45	PI/2 BPSK	120	60	18.11	18.31	18.13	20.0	0.0	
45	PI/2 BPSK	120	120	18.12	18.23	18.25			
45	PI/2 BPSK	240	0	18.08	18.25	18.10	20.0	0.0	
45	QPSK	1	1	18.07	18.35	18.09			
45	QPSK	1	120	18.70	18.78	18.72	20.0	0.0	
45	QPSK	1	243	18.03	18.23	18.25			
45	QPSK	120	0	18.53	18.63	18.58	20.0	0.0	
45	QPSK	120	60	18.62	18.72	18.65	20.0	0.0	
45	QPSK	120	120	18.51	18.65	18.52			
45	QPSK	240	0	18.61	18.65	18.64	20.0	0.0	
45	16QAM	1	120	18.22	18.31	18.07	20.0	0.0	
45	64QAM	1	120	18.08	18.16	18.12	20.0	0.0	
45	256QAM	1	120	18.65	18.73	18.68	18.5	1.5	
Channel				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	108	18.67	18.74	18.55	20.0	0.0	
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	92	18.56	18.63	18.53	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	18.67	18.59	18.66	20.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	64	18.72	18.63	18.75	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	18.58	18.72	18.77	20.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	18.58	18.76	18.60	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	18.69	18.59	18.63	20.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	12	18.54	18.68	18.57	20.0	0.0	



n2 Ant4 NSA ECI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				373000	376000	379000	
Frequency (MHz)				1865	1880	1895	
30	PI/2 BPSK	1	1	20.68	20.71	20.78	
30	PI/2 BPSK	1	80	20.81	20.84	20.76	
30	PI/2 BPSK	1	158	20.66	20.85	20.83	
30	PI/2 BPSK	80	0	20.68	20.73	20.66	21.5
30	PI/2 BPSK	80	40	20.82	20.91	20.74	21.5
30	PI/2 BPSK	80	80	20.78	20.82	20.72	
30	PI/2 BPSK	160	0	20.63	20.72	20.72	21.5
30	QPSK	1	1	20.87	20.92	20.85	
30	QPSK	1	80	20.68	20.80	20.74	
30	QPSK	1	158	20.78	20.83	20.82	
30	QPSK	80	0	20.75	20.79	20.78	21.5
30	QPSK	80	40	20.74	20.87	20.78	21.5
30	QPSK	80	80	20.78	20.79	20.74	
30	QPSK	160	0	20.79	20.85	20.81	21.5
30	16QAM	1	1	20.75	20.78	20.78	21.5
30	64QAM	1	1	20.83	20.78	20.78	21.5
30	256QAM	1	1	18.72	18.77	18.69	19.5
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1897.5	MPR (dB)
25	QPSK	1	1	20.85	20.88	20.79	21.5
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	MPR (dB)
20	QPSK	1	1	20.78	20.81	20.75	21.5
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	MPR (dB)
15	QPSK	1	1	20.73	20.91	20.75	21.5
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	MPR (dB)
10	QPSK	1	1	20.82	20.81	20.69	21.5
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	QPSK	1	1	20.81	20.87	20.67	21.5

n7 Ant4 NSA ECI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				505000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	12.22	12.36	12.29	
50	PI/2 BPSK	1	135	12.62	12.68	12.52	
50	PI/2 BPSK	1	268	12.31	12.38	12.31	
50	PI/2 BPSK	135	0	12.86	12.83	12.67	14.0
50	PI/2 BPSK	135	68	12.79	12.67	12.59	14.0
50	PI/2 BPSK	135	135	12.79	12.81	12.67	
50	PI/2 BPSK	270	0	12.82	12.84	12.56	14.0
50	QPSK	1	1	12.49	12.53	12.51	
50	QPSK	1	135	12.82	12.69	12.77	
50	QPSK	1	268	12.33	12.43	12.38	
50	QPSK	135	0	12.82	12.78	12.60	14.0
50	QPSK	135	68	12.75	12.83	12.74	14.0
50	QPSK	135	135	12.68	12.76	12.68	
50	QPSK	270	0	12.80	12.81	12.73	14.0
50	16QAM	1	135	12.74	12.77	12.66	14.0
50	64QAM	1	135	12.67	12.65	12.56	14.0
50	256QAM	1	135	12.64	12.62	12.70	14.0
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	MPR (dB)
40	QPSK	1	108	12.81	12.88	12.73	14.0
Channel				503000	507000	511000	Tune-up limit (dBm)
Frequency (MHz)				2515	2535	2555	MPR (dB)
30	QPSK	1	80	12.70	12.84	12.81	14.0
Channel				502500	507000	511500	Tune-up limit (dBm)
Frequency (MHz)				2512.5	2535	2557.5	MPR (dB)
25	QPSK	1	64	12.74	12.75	12.76	14.0
Channel				502000	507000	512000	Tune-up limit (dBm)
Frequency (MHz)				2510	2535	2560	MPR (dB)
20	QPSK	1	53	12.65	12.74	12.72	14.0
Channel				501500	507000	512500	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	MPR (dB)
15	QPSK	1	40	12.64	12.83	12.72	14.0
Channel				501000	507000	513000	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	MPR (dB)
10	QPSK	1	28	12.77	12.82	12.81	14.0
Channel				500500	507000	513500	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	MPR (dB)
5	QPSK	1	12	12.69	12.76	12.65	14.0



n66 Ant4 NSA ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	19.02	19.17	19.17		
45	PI/2 BPSK	1	120	19.14	19.18	19.10	21.0	0.0
45	PI/2 BPSK	1	243	19.03	19.16	19.21		
45	PI/2 BPSK	120	0	19.04	19.17	19.22	21.0	0.0
45	PI/2 BPSK	120	60	19.02	19.13	19.16	21.0	0.0
45	PI/2 BPSK	120	120	19.12	19.25	19.08	21.0	0.0
45	PI/2 BPSK	240	0	19.09	19.13	19.17		
45	QPSK	1	1	19.05	19.20	19.04		
45	QPSK	1	120	19.55	19.57	19.51	21.0	0.0
45	QPSK	1	243	19.41	19.52	19.47		
45	QPSK	120	0	19.49	19.51	19.45	21.0	0.0
45	QPSK	120	60	19.48	19.54	19.45	21.0	0.0
45	QPSK	120	120	19.43	19.51	19.42	21.0	0.0
45	QPSK	240	0	19.42	19.46	19.43		
45	16QAM	1	120	19.36	19.48	19.41	21.0	0.0
45	64QAM	1	120	19.42	19.39	19.44	21.0	0.0
45	256QAM	1	120	18.03	18.15	18.09	19.5	1.5
Channel				348000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	19.42	19.41	19.53	21.0	0.0
Channel				345000	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	19.45	19.52	19.60	21.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	19.50	19.42	19.51	21.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	19.43	19.53	19.49	21.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	19.45	19.51	19.48	21.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	19.55	19.40	19.45	21.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	19.40	19.54	19.55	21.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	19.40	19.45	19.53	21.0	0.0



ECI4 Power

n2 Ant0 NSA ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	21.27	21.35	21.32		
30	PI/2 BPSK	1	80	21.45	21.54	21.41	23.0	0.0
30	PI/2 BPSK	1	158	21.47	21.50	21.46		
30	PI/2 BPSK	80	0	20.94	21.02	21.00	22.5	0.5
30	PI/2 BPSK	80	40	21.47	21.52	21.46	23.0	0.0
30	PI/2 BPSK	80	80	21.17	21.15	21.14		
30	PI/2 BPSK	160	0	21.13	21.11	21.05	22.5	0.5
30	QPSK	1	1	21.40	21.57	21.41		
30	QPSK	1	80	21.38	21.48	21.33	23.0	0.0
30	QPSK	1	158	21.38	21.52	21.48		
30	QPSK	80	0	20.47	20.50	20.39	22.0	1.0
30	QPSK	80	40	21.35	21.36	21.48	23.0	0.0
30	QPSK	80	80	20.48	20.54	20.58	22.0	1.0
30	QPSK	160	0	20.43	20.59	20.46		
30	16QAM	1	1	20.10	20.12	20.08	22.0	1.0
30	64QAM	1	1	18.54	18.54	18.55	20.5	2.5
30	256QAM	1	1	17.21	17.29	17.25	18.5	4.5
Channel				372500	376000	379500		
Frequency (MHz)				1852.5	1880	1897.5		
25	QPSK	1	1	21.30	21.33	21.25	23.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	21.29	21.35	21.21	23.0	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.29	21.35	21.21	23.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.40	21.47	21.22	23.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.33	21.39	21.20	23.0	0.0

n66 Ant0 NSA ECI4								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349500	351500		
Frequency (MHz)				1722.5	1745	1727.5		
45	PI/2 BPSK	1	1	21.18	21.28	21.22		
45	PI/2 BPSK	1	120	21.73	21.88	21.66	23.0	0.0
45	PI/2 BPSK	1	243	21.38	21.43	21.36		
45	PI/2 BPSK	120	0	21.02	21.23	21.15	22.5	0.5
45	PI/2 BPSK	120	60	21.69	21.84	21.86	23.0	0.0
45	PI/2 BPSK	120	120	21.13	21.28	21.22		
45	PI/2 BPSK	240	0	21.16	21.31	21.15	22.5	0.5
45	QPSK	1	1	21.08	21.21	21.12		
45	QPSK	1	120	21.79	21.88	21.71	23.0	0.0
45	QPSK	1	243	21.23	21.39	21.36		
45	QPSK	120	0	20.50	20.68	20.61	22.0	1.0
45	QPSK	120	60	21.97	21.93	21.84	23.0	0.0
45	QPSK	120	120	20.71	20.76	20.66	22.0	1.0
45	QPSK	240	0	20.70	20.77	20.67		
45	16QAM	1	120	20.07	20.05	20.03	22.0	1.0
45	64QAM	1	120	18.53	18.63	18.58	20.5	2.5
45	256QAM	1	120	17.17	17.27	17.28	18.5	4.5
Channel				345000	349500	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	21.81	21.86	21.75	23.0	0.0
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	21.71	21.77	21.69	23.0	0.0
Channel				345000	349500	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	21.75	21.84	21.70	23.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	21.87	21.90	21.85	23.0	0.0
Channel				344000	349500	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	21.75	21.84	21.59	23.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	21.80	21.88	21.51	23.0	0.0
Channel				343000	349500	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	21.70	21.89	21.70	23.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	21.69	21.67	21.58	23.0	0.0



n2 Ant4 NSA ECI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				373000	378000	379000	
Frequency (MHz)				1865	1880	1896	
30	PI/2 BPSK	1	1	23.41	23.44	23.34	
30	PI/2 BPSK	1	80	23.25	23.41	23.25	
30	PI/2 BPSK	1	158	23.28	23.32	23.25	
30	PI/2 BPSK	80	0	22.83	22.98	22.93	23.5
30	PI/2 BPSK	80	40	23.45	23.44	23.29	24.0
30	PI/2 BPSK	80	80	22.79	22.86	22.79	
30	PI/2 BPSK	160	0	22.89	22.96	22.98	23.5
30	QPSK	1	1	23.41	23.47	23.42	
30	QPSK	1	80	23.41	23.45	23.31	
30	QPSK	1	158	23.21	23.35	23.24	
30	QPSK	80	0	22.92	22.87	22.84	23.0
30	QPSK	80	40	23.07	23.25	23.20	24.0
30	QPSK	80	80	22.32	22.34	22.25	
30	QPSK	160	0	22.50	22.53	22.51	23.0
30	16QAM	1	1	21.73	21.92	21.71	23.0
30	64QAM	1	1	20.41	20.42	20.35	21.5
30	256QAM	1	1	18.80	18.97	18.91	19.5
Channel				372000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1897.5	MPR (dB)
25	QPSK	1	1	23.30	23.33	23.25	24.0
Channel				372000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1860	1880	1900	MPR (dB)
20	QPSK	1	1	23.31	23.38	23.35	24.0
Channel				371000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1857.5	1880	1902.5	MPR (dB)
15	QPSK	1	1	23.31	23.39	23.36	24.0
Channel				371000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1825	1830	1905	MPR (dB)
10	QPSK	1	1	23.43	23.38	23.42	24.0
Channel				370000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	QPSK	1	1	23.22	23.34	23.34	24.0

n7 Ant4 NSA ECI4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				500000	507000	509000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	22.80	22.83	22.62	
50	PI/2 BPSK	1	135	23.14	23.18	23.18	
50	PI/2 BPSK	1	268	22.65	22.85	22.70	
50	PI/2 BPSK	135	0	22.85	22.74	22.71	23.5
50	PI/2 BPSK	135	68	23.26	23.30	23.10	24.0
50	PI/2 BPSK	135	135	22.85	22.86	22.84	
50	PI/2 BPSK	270	0	22.71	22.84	22.66	23.5
50	QPSK	1	1	22.82	22.88	22.71	
50	QPSK	1	135	23.01	23.22	23.03	
50	QPSK	1	268	22.87	22.90	22.87	
50	QPSK	135	0	22.22	22.31	22.11	23.0
50	QPSK	135	68	23.31	23.34	23.19	24.0
50	QPSK	135	135	22.17	22.26	22.11	
50	QPSK	270	0	22.13	22.27	22.12	23.0
50	16QAM	1	135	21.71	21.74	21.69	23.0
50	64QAM	1	135	20.04	20.26	20.08	21.5
50	256QAM	1	135	18.82	18.88	18.71	19.5
Channel				504000	507000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	MPR (dB)
40	QPSK	1	108	22.92	23.01	22.88	24.0
Channel				503000	507000	511000	Tune-up limit (dB)
Frequency (MHz)				2515	2535	2555	MPR (dB)
30	QPSK	1	80	22.89	23.02	23.01	24.0
Channel				502000	507000	511500	Tune-up limit (dB)
Frequency (MHz)				2512.5	2535	2557.5	MPR (dB)
25	QPSK	1	64	22.89	23.02	23.01	24.0
Channel				502000	507000	512000	Tune-up limit (dB)
Frequency (MHz)				2510	2535	2560	MPR (dB)
20	QPSK	1	53	22.89	23.02	23.01	24.0
Channel				501500	507000	512500	Tune-up limit (dB)
Frequency (MHz)				2507.5	2535	2562.5	MPR (dB)
15	QPSK	1	40	22.89	23.02	23.01	24.0
Channel				501000	507000	513000	Tune-up limit (dB)
Frequency (MHz)				2505	2535	2565	MPR (dB)
10	QPSK	1	26	22.89	23.02	23.01	24.0
Channel				500500	507000	513500	Tune-up limit (dB)
Frequency (MHz)				2502.5	2535	2567.5	MPR (dB)
5	QPSK	1	12	22.89	23.02	23.01	24.0



n66 Ant4 NSA ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	22.12	22.27	22.22		
45	PI/2 BPSK	1	120	22.64	22.69	22.54	24.0	0.0
45	PI/2 BPSK	1	243	22.01	22.04	22.05		
45	PI/2 BPSK	120	0	22.05	22.03	22.03	23.5	0.5
45	PI/2 BPSK	120	60	22.71	22.76	22.68	24.0	0.0
45	PI/2 BPSK	120	120	21.91	22.08	22.06		
45	PI/2 BPSK	240	0	22.02	22.06	21.85	23.5	0.5
45	QPSK	1	1	22.06	22.25	22.16		
45	QPSK	1	120	22.68	22.69	22.49	24.0	0.0
45	QPSK	1	243	22.05	22.05	22.04		
45	QPSK	120	0	21.36	21.55	21.33	23.0	1.0
45	QPSK	120	60	22.67	22.77	22.75	24.0	0.0
45	QPSK	120	120	21.43	21.56	21.52	23.0	1.0
45	QPSK	240	0	21.48	21.55	21.42		
45	16QAM	1	120	21.05	21.05	21.04	23.0	1.0
45	64QAM	1	120	19.54	19.57	19.55	21.5	2.5
45	256QAM	1	120	18.16	18.31	18.13	19.5	4.5
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	22.54	22.61	22.65	24.0	0.0
Channel				345000	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	22.59	22.64	22.65	24.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	22.59	22.67	22.30	24.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1757.5		
25	QPSK	1	64	22.50	22.52	22.48	24.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	22.53	22.63	22.43	24.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.61	22.61	22.37	24.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.57	22.61	22.35	24.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	22.57	22.65	22.48	24.0	0.0



ECI6 Power

n2 Ant0 NSA ECI6									
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				373000	376000	379000			
Frequency (MHz)				1865	1890	1925			
30	PI/2 BPSK	1	1	15.70	15.82	15.70			
30	PI/2 BPSK	1	80	15.87	15.90	15.81	17.5	0.0	
30	PI/2 BPSK	1	158	15.91	15.76	15.77			
30	PI/2 BPSK	80	0	15.55	15.73	15.91	17.5	0.0	
30	PI/2 BPSK	80	40	15.84	15.99	15.84	17.5	0.0	
30	PI/2 BPSK	80	80	15.71	15.98	15.89			
30	PI/2 BPSK	160	0	15.62	15.87	15.78	17.5	0.0	
30	QPSK	1	1	15.99	16.11	16.06			
30	QPSK	1	80	15.83	15.85	15.71	17.5	0.0	
30	QPSK	1	158	15.77	16.03	15.69			
30	QPSK	80	0	15.86	15.96	15.75	17.5	0.0	
30	QPSK	80	40	15.95	16.07	15.86	17.5	0.0	
30	QPSK	80	80	15.87	15.88	15.78			
30	QPSK	160	0	15.97	16.01	15.99	17.5	0.0	
30	16QAM	1	1	15.76	15.91	15.78	17.5	0.0	
30	64QAM	1	1	15.82	15.86	15.82	17.5	0.0	
30	256QAM	1	1	15.80	15.85	15.91	17.5	0.0	
Channel				372500	378000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	16.05	16.01	15.96	17.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	15.98	15.99	16.04	17.5	0.0	
Channel				371500	378000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	15.85	16.00	15.97	17.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	15.89	16.10	15.95	17.5	0.0	
Channel				370500	378000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	15.80	15.96	16.09	17.5	0.0	

n66 Ant0 NSA ECI6									
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				346500	349000	351500			
Frequency (MHz)				1722.5	1745	1767.5			
45	PI/2 BPSK	1	1	20.21	20.15	20.15			
45	PI/2 BPSK	1	120	20.05	20.16	20.12	22.0	0.0	
45	PI/2 BPSK	1	243	20.08	20.15	20.14			
45	PI/2 BPSK	120	0	20.12	20.19	20.16	22.0	0.0	
45	PI/2 BPSK	120	60	20.14	20.20	20.06	22.0	0.0	
45	PI/2 BPSK	120	120	20.03	20.25	20.16			
45	PI/2 BPSK	240	0	20.20	20.25	20.10	22.0	0.0	
45	QPSK	1	1	20.22	20.27	20.11			
45	QPSK	1	120	20.81	20.85	20.79	22.0	0.0	
45	QPSK	1	243	20.07	20.14	20.12			
45	QPSK	120	0	20.76	20.77	20.74	22.0	0.0	
45	QPSK	120	60	20.74	20.79	20.75	22.0	0.0	
45	QPSK	120	120	20.11	20.33	20.12			
45	QPSK	240	0	20.17	20.75	20.20	22.0	0.0	
45	16QAM	1	120	20.04	20.33	20.27	22.0	0.0	
45	64QAM	1	120	18.58	18.87	18.81	20.5	1.5	
45	256QAM	1	120	16.63	16.72	16.66	18.5	3.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1760			
40	QPSK	1	108	20.70	20.78	20.65	22.0	0.0	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	92	20.66	20.75	20.68	22.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	20.73	20.81	20.72	22.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	64	20.80	20.78	20.75	22.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	20.69	20.68	20.60	22.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	40	20.79	20.80	20.81	22.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	20.71	20.81	20.76	22.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	12	20.80	20.80	20.80	22.0	0.0	



n2 Ant4 NSA ECI6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				373000	378000	379000	
Frequency (MHz)				1865	1880	1896	
30	PI/2 BPSK	1	1	21.18	21.36	21.25	
30	PI/2 BPSK	1	80	21.27	21.32	21.30	
30	PI/2 BPSK	1	158	21.33	21.34	21.26	
30	PI/2 BPSK	80	0	21.18	21.31	21.32	22.0
30	PI/2 BPSK	80	40	21.37	21.28	21.17	22.0
30	PI/2 BPSK	80	80	21.37	21.27	21.20	22.0
30	PI/2 BPSK	160	0	21.16	21.25	21.35	22.0
30	QPSK	1	1	21.31	21.38	21.32	
30	QPSK	1	80	21.27	21.28	21.37	
30	QPSK	1	158	21.30	21.24	21.29	
30	QPSK	80	0	21.25	21.28	21.24	22.0
30	QPSK	80	40	21.23	21.25	21.25	22.0
30	QPSK	80	80	21.21	21.26	21.20	22.0
30	QPSK	160	0	21.22	21.26	21.27	22.0
30	16QAM	1	1	21.17	21.23	21.18	22.0
30	64QAM	1	1	20.78	20.83	20.76	21.5
30	256QAM	1	1	18.68	18.79	18.76	19.5
Channel				372000	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1897.5	MPR (dB)
25	QPSK	1	1	21.30	21.33	21.25	22.0
Channel				372000	376000	380000	Tune-up limit (dB)
Frequency (MHz)				1860	1880	1900	MPR (dB)
20	QPSK	1	1	21.13	21.32	21.15	22.0
Channel				371500	376000	380500	Tune-up limit (dB)
Frequency (MHz)				1857.5	1880	1902.5	MPR (dB)
15	QPSK	1	1	21.20	21.26	21.21	22.0
Channel				371000	376000	381000	Tune-up limit (dB)
Frequency (MHz)				1855	1880	1905	MPR (dB)
10	QPSK	1	1	21.18	21.31	21.27	22.0
Channel				370500	376000	381500	Tune-up limit (dB)
Frequency (MHz)				1852.5	1880	1907.5	MPR (dB)
5	QPSK	1	1	21.22	21.22	21.31	22.0

n7 Ant4 NSA ECI6							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				535000	537000	539000	
Frequency (MHz)				2525	2535	2545	
50	PI/2 BPSK	1	1	16.66	16.81	16.65	
50	PI/2 BPSK	1	135	16.66	16.86	16.63	
50	PI/2 BPSK	1	268	16.76	16.73	16.70	
50	PI/2 BPSK	135	0	16.62	16.66	16.46	18.0
50	PI/2 BPSK	135	68	16.79	16.83	16.68	18.0
50	PI/2 BPSK	135	135	16.65	16.73	16.48	18.0
50	PI/2 BPSK	270	0	16.65	16.74	16.52	18.0
50	QPSK	1	1	16.59	16.71	16.51	
50	QPSK	1	135	17.16	17.21	17.12	
50	QPSK	1	268	16.77	16.79	16.57	
50	QPSK	135	0	17.13	17.17	17.12	18.0
50	QPSK	135	68	17.06	17.19	17.14	18.0
50	QPSK	135	135	17.11	17.16	17.12	18.0
50	QPSK	270	0	17.13	17.15	17.09	18.0
50	16QAM	1	135	16.73	16.70	16.48	18.0
50	64QAM	1	135	16.80	16.75	16.66	18.0
50	256QAM	1	135	16.70	16.77	16.60	18.0
Channel				534000	537000	510000	Tune-up limit (dBm)
Frequency (MHz)				2520	2535	2550	MPR (dB)
40	QPSK	1	108	17.15	17.18	17.12	18.0
Channel				533000	537000	511000	Tune-up limit (dB)
Frequency (MHz)				2515	2535	2555	MPR (dB)
30	QPSK	1	80	17.11	17.63	17.12	18.0
Channel				532500	537000	511500	Tune-up limit (dB)
Frequency (MHz)				2512.5	2535	2557.5	MPR (dB)
25	QPSK	1	64	16.96	17.03	17.08	18.0
Channel				532000	537000	512000	Tune-up limit (dB)
Frequency (MHz)				2510	2535	2560	MPR (dB)
20	QPSK	1	53	17.07	17.17	16.94	18.0
Channel				531500	537000	512500	Tune-up limit (dB)
Frequency (MHz)				2507.5	2535	2562.5	MPR (dB)
15	QPSK	1	40	17.02	17.13	17.03	18.0
Channel				531000	537000	513000	Tune-up limit (dB)
Frequency (MHz)				2505	2535	2565	MPR (dB)
10	QPSK	1	26	17.09	17.05	17.15	18.0
Channel				530500	537000	513500	Tune-up limit (dB)
Frequency (MHz)				2502.5	2535	2567.5	MPR (dB)
5	QPSK	1	12	17.13	17.05	17.01	18.0



n66 Ant4 NSA ECI6

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				346500	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	22.12	22.27	22.22	24.0	0.0
45	PI/2 BPSK	1	120	22.64	22.69	22.54		
45	PI/2 BPSK	1	243	22.01	22.04	22.05		
45	PI/2 BPSK	120	0	22.05	22.03	22.03	23.5	0.5
45	PI/2 BPSK	120	60	22.71	22.76	22.68	24.0	0.0
45	PI/2 BPSK	120	120	21.91	22.08	22.06	23.5	0.5
45	PI/2 BPSK	240	0	22.02	22.06	21.85		
45	QPSK	1	1	22.06	22.25	22.16	24.0	0.0
45	QPSK	1	120	22.68	22.69	22.49		
45	QPSK	1	243	22.05	22.05	22.04		
45	QPSK	120	0	21.36	21.55	21.33	23.0	1.0
45	QPSK	120	60	22.67	22.77	22.75	24.0	0.0
45	QPSK	120	120	21.43	21.56	21.52	23.0	1.0
45	QPSK	240	0	21.48	21.55	21.42		
45	16QAM	1	120	21.05	21.05	21.04	23.0	1.0
45	64QAM	1	120	19.54	19.57	19.55	21.5	2.5
45	256QAM	1	120	18.16	18.31	18.13	19.5	4.5
Channel				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	22.54	22.61	22.65	24.0	0.0
Channel				345900	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	22.59	22.64	22.65	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	22.59	22.67	22.30	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	22.50	22.52	22.48	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	22.53	22.63	22.43	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	22.61	22.61	22.37	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	22.57	22.61	22.35	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	22.57	22.65	22.48	24.0	0.0



ECI7 Power

n2 Ant0 NSA ECI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR	
				Low	Middle	High			
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Frequency (MHz)				1865	1880	1895			
30	PI/2 BPSK	1	1	13.45	13.46	13.52	15.0	0.0	
30	PI/2 BPSK	1	80	13.37	13.53	13.53			
30	PI/2 BPSK	1	158	13.41	13.38	13.53			
30	PI/2 BPSK	80	0	13.25	13.39	13.47	15.0	0.0	
30	PI/2 BPSK	80	40	13.27	13.46	13.41	15.0	0.0	
30	PI/2 BPSK	80	80	13.37	13.41	13.37	15.0	0.0	
30	PI/2 BPSK	160	0	13.27	13.53	13.46			
30	QPSK	1	1	13.45	13.55	13.40			
30	QPSK	1	80	13.39	13.45	13.38	15.0	0.0	
30	QPSK	1	158	13.41	13.51	13.51			
30	QPSK	80	0	13.38	13.43	13.34	15.0	0.0	
30	QPSK	80	40	13.32	13.44	13.34	15.0	0.0	
30	QPSK	80	80	13.35	13.35	13.38	15.0	0.0	
30	QPSK	160	0	13.34	13.39	13.31			
30	16QAM	1	1	13.46	13.53	13.52			15.0
30	64QAM	1	1	13.46	13.53	13.47	15.0	0.0	
30	256QAM	1	1	13.42	13.36	13.48	15.0	0.0	
Channel				37200	37800	37900	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	13.31	13.36	13.29	15.0	0.0	
Channel				37200	37600	38000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	13.43	13.45	13.37	15.0	0.0	
Channel				37180	37800	38050	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	13.53	13.54	13.52	15.0	0.0	
Channel				37100	37600	38100	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	13.50	13.52	13.52	15.0	0.0	
Channel				37050	37800	38150	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	13.43	13.53	13.52	15.0	0.0	

n66 Ant0 NSA ECI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit	MPR	
				Low	Middle	High			
Channel				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.			
Frequency (MHz)				1722.5	1745	1727.5			
45	PI/2 BPSK	1	1	17.18	17.28	17.19	19.0	0.0	
45	PI/2 BPSK	1	120	17.25	17.38	17.13			
45	PI/2 BPSK	1	243	17.11	17.28	17.20			
45	PI/2 BPSK	120	0	17.29	17.23	17.15	19.0	0.0	
45	PI/2 BPSK	120	60	17.11	17.38	17.23	19.0	0.0	
45	PI/2 BPSK	120	120	17.25	17.38	17.18	19.0	0.0	
45	PI/2 BPSK	240	0	17.17	17.26	17.21			
45	QPSK	1	1	17.38	17.39	17.31			
45	QPSK	1	120	17.82	17.85	17.81	19.0	0.0	
45	QPSK	1	243	17.70	17.77	17.75			
45	QPSK	120	0	17.88	17.72	17.89	19.0	0.0	
45	QPSK	120	60	17.88	17.75	17.73	19.0	0.0	
45	QPSK	120	120	17.70	17.73	17.71	19.0	0.0	
45	QPSK	240	0	17.63	17.71	17.67			
45	16QAM	1	120	17.31	17.31	17.21			19.0
45	64QAM	1	120	17.10	17.31	17.28	19.0	0.0	
45	256QAM	1	120	16.82	16.87	16.85	18.5	0.5	
Channel				34500	34900	35200	Tune-up limit	MPR	
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)	
40	QPSK	1	108	17.68	17.82	17.69	19.0	0.0	
Channel				34500	34900	35250	Tune-up limit	MPR	
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	92	17.76	17.70	17.73	19.0	0.0	
Channel				34500	34950	35300	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	80	17.81	17.82	17.81	19.0	0.0	
Channel				34450	34900	35350	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	64	17.87	17.69	17.65	19.0	0.0	
Channel				34400	34950	35400	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	17.83	17.74	17.82	19.0	0.0	
Channel				34350	34900	35450	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	17.85	17.74	17.82	19.0	0.0	
Channel				34300	34950	35500	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	17.71	17.77	17.70	19.0	0.0	
Channel				34250	34900	35550	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	12	17.63	17.67	17.65	19.0	0.0	



n2 Ant4 NSA ECI7								
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				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	19.33	19.37	19.28		
30	PI/2 BPSK	1	80	19.20	19.42	19.30	20.0	0.0
30	PI/2 BPSK	1	158	19.34	19.38	19.40		
30	PI/2 BPSK	80	0	19.35	19.36	19.23	20.0	0.0
30	PI/2 BPSK	80	40	19.36	19.37	19.29	20.0	0.0
30	PI/2 BPSK	80	80	19.40	19.24	19.26		
30	PI/2 BPSK	160	0	19.31	19.43	19.26	20.0	0.0
30	QPSK	1	1	19.35	19.46	19.38		
30	QPSK	1	80	19.24	19.45	19.21	20.0	0.0
30	QPSK	1	158	19.20	19.35	19.32		
30	QPSK	80	0	19.25	19.30	19.29	20.0	0.0
30	QPSK	80	40	19.40	19.45	19.39	20.0	0.0
30	QPSK	80	80	19.34	19.37	19.30		
30	QPSK	160	0	19.32	19.38	19.37	20.0	0.0
30	16QAM	1	1	19.38	19.35	19.29	20.0	0.0
30	64QAM	1	1	19.27	19.34	19.23	20.0	0.0
30	256QAM	1	1	18.71	19.86	18.74	19.5	0.5
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1897.5		
25	QPSK	1	1	19.30	19.33	19.40		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.35	19.42	19.35	0.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.32	19.32	19.32	20.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.20	19.35	19.17	20.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.24	19.29	19.24	20.0	0.0

n7 Ant4 NSA ECI7								
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				536000	537000	538000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	9.90	9.93	9.75		
50	PI/2 BPSK	1	135	9.92	9.99	9.82	11.0	0.0
50	PI/2 BPSK	1	268	10.03	9.96	9.96		
50	PI/2 BPSK	135	0	10.05	9.97	9.75	11.0	0.0
50	PI/2 BPSK	135	68	10.05	10.03	9.90	11.0	0.0
50	PI/2 BPSK	135	135	9.95	10.07	9.85		
50	PI/2 BPSK	270	0	9.98	10.06	9.92	11.0	0.0
50	QPSK	1	1	9.86	10.11	9.87		
50	QPSK	1	135	10.47	10.51	10.44	11.0	0.0
50	QPSK	1	268	9.88	10.06	9.89		
50	QPSK	135	0	10.35	10.42	10.37	11.0	0.0
50	QPSK	135	68	10.41	10.44	10.35	11.0	0.0
50	QPSK	135	135	10.35	10.39	10.37		
50	QPSK	270	0	10.33	10.37	10.35	11.0	0.0
50	16QAM	1	135	9.93	10.04	9.96	11.0	0.0
50	64QAM	1	135	9.99	10.08	9.81	11.0	0.0
50	256QAM	1	135	10.09	9.88	9.93	11.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	108	10.40	10.42	10.40	11.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	10.43	10.50	10.40	11.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	64	10.38	10.35	10.28	11.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2550		
20	QPSK	1	53	10.44	10.46	10.38	11.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	10.38	10.37	10.45	11.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	10.47	10.49	10.39	11.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	12	10.47	10.37	10.37	11.0	0.0



n66 Ant4 NSA ECI7

BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				345000	349000	351500		
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.23	20.48	20.25		
45	PI/2 BPSK	1	120	20.16	20.49	20.25	22.0	0.0
45	PI/2 BPSK	1	243	20.25	20.48	20.33		
45	PI/2 BPSK	120	0	20.31	20.44	20.41	22.0	0.0
45	PI/2 BPSK	120	60	20.16	20.45	20.24	22.0	0.0
45	PI/2 BPSK	120	120	20.14	20.46	20.40	22.0	0.0
45	PI/2 BPSK	240	0	20.20	20.40	20.36		
45	QPSK	1	1	20.33	20.32	20.31		
45	QPSK	1	120	20.67	20.88	20.83	22.0	0.0
45	QPSK	1	243	20.21	20.48	20.36		
45	QPSK	120	0	20.78	20.83	20.81	22.0	0.0
45	QPSK	120	60	20.75	20.85	20.81	22.0	0.0
45	QPSK	120	120	20.73	20.80	20.76	22.0	0.0
45	QPSK	240	0	20.76	20.81	20.80		
45	16QAM	1	120	20.34	20.51	20.27	22.0	0.0
45	64QAM	1	120	20.01	20.09	20.03	21.5	0.5
45	256QAM	1	120	18.01	18.07	18.05	19.5	2.5
Channel				348000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.77	20.75	20.72	22.0	0.0
Channel				345000	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.62	20.60	20.55	22.0	0.0
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.71	20.69	20.84	22.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.77	20.86	20.77	22.0	0.0
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.79	20.83	20.82	22.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.75	20.79	20.84	22.0	0.0
Channel				343000	349000	355000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.80	20.77	20.72	22.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.71	20.82	20.71	22.0	0.0



Conducted Power for WLAN/Bluetooth

<2.4GHz WLAN>

Ant5		RF Full power Standalone for Extremity			Standalone for Head		Simultaneous for Extremity		Simultaneous for Head		Standalone for Hotspot Simultaneous for Body-worn			
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %	
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.81	20.50	15.87	17.50	16.85	18.50	11.31	13.00	13.75	15.50	100%
		6	2437	18.86	20.50	16.94	17.50	16.92	18.50	11.89	13.00	13.86	15.50	
		11	2462	19.16	20.50	17.26	17.50	17.21	18.50	11.47	13.00	14.14	15.50	
	802.11g 6Mbps	1	2412	15.12	16.50	15.12	16.50	15.12	16.50			13.00	15.50	100%
		6	2437	18.51	20.00	16.03	17.50	16.47	18.00			13.00	15.50	
		11	2462	16.02	17.50	15.43	17.00	16.02	17.50			13.00	15.50	
802.11n-HT20 MCS0	1	2412	14.14	15.50	15.50	14.14	15.50	14.14	15.50	13.00	15.50	15.50	100%	
	6	2437	18.66	20.00	Not request	17.50	16.71	18.50			13.00	15.50		
	11	2462	16.11	17.50	Not request	17.00	16.11	17.50			13.00	15.50		
2	2417	16.36	18.00		17.00	16.36	18.00			13.00	15.50			

<5.2GHz WLAN>

Ant5		RF Full power Standalone for Extremity			Standalone for Head/Hotspot		Simultaneous for Head		Simultaneous for Extremity		Standalone for Body-worn		Simultaneous for Body-worn		
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.91	19.50	15.00	15.00	12.00	17.00	16.57	18.50	14.00	14.00	100%	
		40	5200	17.91	19.50	15.00	15.00	12.00	17.00	16.88	18.50	14.00	14.00		
		44	5220	17.96	19.50	15.00	15.00	12.00	17.00	17.02	18.50	14.00	14.00		
	802.11n-HT20 MCS0	36	5180	17.96	19.50	15.00	15.00	12.00	17.00	16.98	18.50	14.00	14.00	100%	
		40	5200	16.87	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00		
		44	5220	17.79	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00		
	802.11n-HT40 MCS0	48	5240	17.82	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00	100%	
		52	5260	19.26	19.50	15.00	15.00	12.00	17.00	16.71	17.00	17.00	14.00		
		46	5230	15.72	17.00	15.00	15.00	12.00	15.72	17.00	17.00	14.00	100%		
	802.11ac-VHT20 MCS0	36	5180	17.61	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00	100%	
		40	5200	17.74	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00		
		44	5220	17.61	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00		
	802.11ac-VHT40 MCS0	48	5240	17.88	19.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00	100%	
		38	5180	15.73	17.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00		
		46	5230	15.77	17.00	15.00	15.00	12.00	17.00	17.00	18.50	14.00	14.00		
	802.11ac-VHT80 MCS0	42	5210	13.89	18.50	13.41	19.00	10.38	12.00	15.00	15.50	12.47	14.00	100%	

<5.3GHz WLAN>

Ant5		RF Full power Standalone for Extremity			Standalone for Head		Simultaneous for Head		Simultaneous for Extremity		Standalone for Body-worn		Simultaneous for Body-worn		
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.39	20.00	16.00	13.00	16.50	17.32	19.00	15.00	15.00	100%		
		56	5280	18.51	20.00	16.00	13.00	16.50	17.48	19.00	15.00	15.00			
		60	5300	18.45	20.00	16.00	13.00	16.50	17.38	19.00	15.00	15.00			
	802.11n-HT20 MCS0	52	5260	17.37	19.00	16.00	13.00	16.50	17.37	19.00	15.00	15.00	100%		
		56	5280	18.28	19.50	16.00	13.00	16.50	16.50	19.00	15.00	15.00			
		60	5300	18.37	19.50	16.00	13.00	16.50	16.50	19.00	15.00	15.00			
	802.11n-HT40 MCS0	64	5320	16.68	18.00	16.00	13.00	16.50	16.50	19.00	15.00	15.00	100%		
		58	5270	15.73	17.50	15.00	15.00	12.00	16.23	17.50	17.00	14.00			
		62	5310	15.18	16.50	16.00	13.00	15.18	16.50	16.50	15.00	15.00			
	802.11ac-VHT20 MCS0	52	5260	18.31	20.00	16.00	13.00	16.50	16.50	19.00	15.00	15.00	100%		
		56	5280	18.34	20.00	16.00	13.00	16.50	16.50	19.00	15.00	15.00			
		60	5300	17.61	20.00	16.00	13.00	16.50	16.50	19.00	15.00	15.00			
	802.11ac-VHT40 MCS0	64	5320	16.76	18.00	16.00	13.00	16.50	16.50	19.00	15.00	15.00	100%		
		54	5270	16.29	17.50	16.00	13.00	16.50	16.50	17.50	15.00	15.00			
		802.11ac-VHT80 MCS0	58	5270	14.72	18.50	14.27	19.00	11.22	13.00	16.50	16.50	13.35	15.00	100%

<5.5GHz WLAN>

Ant5		RF Full power Standalone for Extremity			Standalone for Head		Simultaneous for Head		Simultaneous for Extremity		Standalone for Body-worn		Simultaneous for Body-worn		
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5560	17.63	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%		
		116	5580	17.61	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
		124	5620	17.62	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
	802.11n-HT20 MCS0	100	5560	17.44	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%		
		132	5660	17.37	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
		140	5700	14.45	16.00	16.00	13.50	15.50	14.00	14.00	10.00	10.00			
	802.11n-HT40 MCS0	144	5720	17.88	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%		
		100	5560	17.40	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
		116	5580	17.27	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
	802.11ac-VHT20 MCS0	102	5570	15.33	17.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%		
		128	5630	15.34	17.00	15.37	17.00	13.50	15.50	14.00	14.00	10.00			
		134	5670	15.37	17.00	15.37	17.00	13.50	15.50	14.00	14.00	10.00			
	802.11ac-VHT40 MCS0	100	5560	17.46	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%		
		116	5580	17.32	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
		124	5620	17.48	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
	802.11ac-VHT80 MCS0	132	5660	17.43	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%		
		140	5700	14.51	16.00	16.00	13.50	15.50	14.00	14.00	10.00	10.00			
		144	5720	17.38	19.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00			
802.11ac-VHT80 MCS0	102	5510	15.41	17.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00	100%			
	110	5550	15.43	17.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00				
	126	5630	15.39	17.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00				
	134	5670	15.41	17.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00				
	142	5710	15.48	17.00	17.00	13.50	15.50	14.00	14.00	10.00	10.00				
	106	5530	14.05	15.50	15.50	12.00	13.50	14.05	12.51	14.00	8.52	10.00			
122	5610	14.28	15.50	15.50	12.27	13.50	14.28	12.72	14.00	8.71	10.00				
138	5690	14.23	15.50	15.50	12.20	13.50	14.23	12.68	14.00	8.73	10.00				

<8.8GHz WLAN>

Ant5		RF Full power Standalone for Extremity			Standalone for Head		Standalone for Hotspot		Simultaneous for Extremity		Standalone for Body-worn		Simultaneous for Body-worn		
Mode	Channel	Frequenc y (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	17.59	19.00	13.50	11.00	15.50	14.00	14.00	10.00	10.00	100%		
		157	5785	17.51	19.00	13.50	11.00	15.50	14.00	14.00	10.00	10.00			
		165	5825	17.46	19.00	13.50	11.00	15.50	14.00	14.00	10.00	10.00			
	802.11n-HT20 MCS0	149	5745	17.23	18.50	13.50	11.00	15.50	14.00	14.00	10.00	10.00	100%		
		157	5785	17.20	18.50	13.50	11.00	15.50	14.00	14.00	10.00	10.00			
		165	5825	17.25	18.50	13.50	11.00	15.50	14.00	14.00	10.00	10.00			
	802.11n-HT40 MCS0	151	5765	15.31	17.00	13.50	11.00	15.50	14.00	14.00	10.00	10.00	100%		
		159	5795	15.27	17.00	13.50	11.00	15.50	14.00	14.00	10.00	10.00			
		149	5745	17.28	18.50	13.50	1								

BT BR/EDR			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	14.67	12.84	12.76
	CH 39	2441	14.84	12.68	12.57
	CH 76	2480	14.22	12.36	12.30
Tune-up Limit			15.5	14	14

BLE_1M			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	1.47		
	CH 19	2440	2.48		
	CH 39	2480	0.96		
Tune-up Limit			2.5		

BLE_2M			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	1.59		
	CH 19	2440	2.81		
	CH 39	2480	1.04		
Tune-up Limit			3		