

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)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		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		29.26	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 Default									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.55	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	18.42	18.31	18.24	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
WCDMA II Ant0 Default									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9100	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1637	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps		22.54	22.61	22.52	24.00	22.65	22.75	22.67	24.00
3GPP Rel 99 RMC 12.2Kbps		22.57	22.65	22.62	24.00	22.68	22.77	22.70	24.00
3GPP Rel 6 HSDPA Subtest-1		21.56	21.71	21.59	23.00	21.72	21.87	21.66	23.00
3GPP Rel 6 HSDPA Subtest-2		21.56	21.57	21.54	23.00	21.65	21.73	21.63	23.00
3GPP Rel 6 HSDPA Subtest-3		21.08	21.19	21.11	22.50	21.18	21.31	21.24	22.50
3GPP Rel 6 HSDPA Subtest-4		21.00	21.06	21.06	22.50	21.06	21.12	21.15	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
3GPP Rel 8 DC-HSDPA Subtest-2		21.44	21.63	21.47	23.00	21.59	21.78	21.56	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
3GPP Rel 8 DC-HSDPA Subtest-4		20.97	21.07	20.98	22.50	21.05	21.15	21.05	22.50
3GPP Rel 6 HSUPA Subtest-1		21.44	21.58	21.54	23.00	21.59	21.66	21.62	23.00
3GPP Rel 6 HSUPA Subtest-2		19.57	19.69	19.58	21.00	19.65	19.79	19.73	21.00
3GPP Rel 6 HSUPA Subtest-3		20.70	20.73	20.68	22.00	20.83	20.79	20.81	22.00
3GPP Rel 6 HSUPA Subtest-4		19.48	19.60	19.47	21.00	19.57	19.73	19.60	21.00
3GPP Rel 6 HSUPA Subtest-5		21.47	21.64	21.52	23.00	21.56	21.75	21.67	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
WCDMA V Ant0 Default									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		4192	4162	4238		4192	4162	4238	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		22.78	22.88	22.83	24.00	22.78	22.88	22.83	24.00
3GPP Rel 99 RMC 12.2Kbps		22.85	22.93	22.88	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6 HSDPA Subtest-1		21.87	21.94	21.80	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6 HSDPA Subtest-2		21.76	21.81	21.75	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6 HSDPA Subtest-3		21.33	21.36	21.34	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6 HSDPA Subtest-4		21.13	21.28	21.24	22.50	21.13	21.28	21.24	22.50
3GPP Rel 8 DC-HSDPA Subtest-1		21.81	21.80	21.82	23.00	21.81	21.80	21.82	23.00
3GPP Rel 8 DC-HSDPA Subtest-2		21.72	21.89	21.73	23.00	21.72	21.89	21.73	23.00
3GPP Rel 8 DC-HSDPA Subtest-3		21.25	21.38	21.30	22.50	21.25	21.38	21.30	22.50
3GPP Rel 8 DC-HSDPA Subtest-4		21.16	21.22	21.11	22.50	21.16	21.22	21.11	22.50
3GPP Rel 6 HSUPA Subtest-1		21.68	21.72	21.73	23.00	21.68	21.72	21.73	23.00
3GPP Rel 6 HSUPA Subtest-2		19.72	19.85	19.83	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6 HSUPA Subtest-3		20.96	20.96	20.95	22.00	20.96	20.96	20.95	22.00
3GPP Rel 6 HSUPA Subtest-4		19.69	19.83	19.65	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6 HSUPA Subtest-5		21.66	21.89	21.82	23.00	21.66	21.89	21.82	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		19.35	19.52	19.37	20.50	19.35	19.52	19.37	20.50



Band 2 Ant0 Default											
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											
Frequency (MHz)											
20	QPSK	1	0	22.63	22.66	22.60	24	0			
20	QPSK	1	49	22.52	22.58	22.46					
20	QPSK	1	99	22.50	22.53	22.49					
20	QPSK	50	0	21.61	21.65	21.56					
20	QPSK	50	24	21.52	21.59	21.54	23	1			
20	QPSK	50	50	21.42	21.54	21.43					
20	QPSK	100	0	21.50	21.58	21.47					
20	16QAM	1	0	21.41	21.52	21.46					
20	16QAM	1	49	21.39	21.46	21.36	23	1			
20	16QAM	1	99	21.28	21.42	21.33					
20	16QAM	50	0	20.58	20.72	20.61					
20	16QAM	50	24	20.58	20.64	20.51					
20	16QAM	50	50	20.64	20.68	20.55	22	2			
20	16QAM	100	0	20.58	20.69	20.58					
20	64QAM	1	0	20.61	20.75	20.69					
20	64QAM	1	49	20.64	20.69	20.62					
20	64QAM	1	99	20.56	20.65	20.56	22	2			
20	64QAM	50	0	19.65	19.73	19.63					
20	64QAM	50	24	19.55	19.64	19.57					
20	64QAM	50	50	19.65	19.69	19.57					
20	64QAM	100	0	19.63	19.70	19.58	21	3			
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.55	22.58	22.47	24	0			
15	QPSK	1	37	22.47	22.51	22.40					
15	QPSK	1	74	22.36	22.43	22.35					
15	QPSK	36	0	21.57	21.56	21.43					
15	QPSK	36	20	21.42	21.54	21.50	23	1			
15	QPSK	36	39	21.28	21.46	21.34					
15	QPSK	75	0	21.45	21.45	21.37					
15	16QAM	1	0	21.35	21.41	21.36					
15	16QAM	1	37	21.30	21.33	21.22	23	1			
15	16QAM	1	74	21.22	21.38	21.26					
15	16QAM	36	0	20.50	20.63	20.47					
15	16QAM	36	20	20.45	20.59	20.45					
15	16QAM	36	39	20.53	20.55	20.43	22	2			
15	16QAM	75	0	20.53	20.55	20.53					
15	64QAM	1	0	20.46	20.70	20.57					
15	64QAM	1	37	20.49	20.63	20.49					
15	64QAM	1	74	20.47	20.59	20.46	22	2			
15	64QAM	36	0	19.59	19.64	19.56					
15	64QAM	36	20	19.46	19.49	19.46					
15	64QAM	36	39	19.50	19.61	19.47					
15	64QAM	75	0	19.59	19.64	19.51	21	3			
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.55	22.61	22.51	24	0			
10	QPSK	1	25	22.41	22.48	22.31					
10	QPSK	1	49	22.39	22.48	22.46					
10	QPSK	25	0	21.56	21.52	21.50					
10	QPSK	25	12	21.43	21.55	21.45	23	1			
10	QPSK	25	25	21.31	21.43	21.34					
10	QPSK	50	0	21.39	21.47	21.35					
10	16QAM	1	0	21.37	21.47	21.33					
10	16QAM	1	25	21.28	21.38	21.30	23	1			
10	16QAM	1	49	21.20	21.28	21.22					
10	16QAM	25	0	20.45	20.59	20.51					
10	16QAM	25	12	20.47	20.56	20.47					
10	16QAM	25	25	20.56	20.56	20.48	22	2			
10	16QAM	50	0	20.47	20.57	20.51					
10	64QAM	1	0	20.48	20.67	20.65					
10	64QAM	1	25	20.51	20.57	20.55					
10	64QAM	1	49	20.45	20.52	20.43	22	2			
10	64QAM	25	0	19.51	19.62	19.50					
10	64QAM	25	12	19.41	19.53	19.41					
10	64QAM	25	25	19.51	19.63	19.47					
10	64QAM	50	0	19.56	19.58	19.47	21	3			
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.58	22.63	22.51	24	0			
5	QPSK	1	12	22.47	22.50	22.36					
5	QPSK	1	24	22.42	22.41	22.42					
5	QPSK	12	0	21.51	21.53	21.50					
5	QPSK	12	7	21.39	21.51	21.45	23	1			
5	QPSK	12	13	21.34	21.51	21.36					
5	QPSK	25	0	21.41	21.51	21.33					
5	16QAM	1	0	21.30	21.40	21.39					
5	16QAM	1	12	21.35	21.43	21.24	23	1			
5	16QAM	1	24	21.22	21.38	21.28					
5	16QAM	12	0	20.50	20.65	20.47					
5	16QAM	12	7	20.53	20.51	20.43					
5	16QAM	12	13	20.52	20.57	20.42	22	2			
5	16QAM	25	0	20.47	20.65	20.46					
5	64QAM	1	0	20.56	20.66	20.64					
5	64QAM	1	12	20.50	20.57	20.51					
5	64QAM	1	24	20.44	20.50	20.51	22	2			
5	64QAM	12	0	19.50	19.62	19.53					
5	64QAM	12	7	19.42	19.60	19.48					
5	64QAM	12	13	19.51	19.62	19.52					
5	64QAM	25	0	19.53	19.58	19.49	21	3			
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.49	22.62	22.53	24	0			
3	QPSK	1	8	22.46	22.52	22.40					
3	QPSK	1	14	22.36	22.47	22.42					
3	QPSK	8	0	21.51	21.61	21.42					
3	QPSK	8	4	21.41	21.53	21.44	23	1			
3	QPSK	8	7	21.35	21.48	21.32					
3	QPSK	15	0	21.42	21.51	21.42					
3	16QAM	1	0	21.35	21.41	21.37					
3	16QAM	1	8	21.29	21.34	21.25	23	1			
3	16QAM	1	14	21.18	21.32	21.24					
3	16QAM	8	0	20.46	20.65	20.48					
3	16QAM	8	4	20.43	20.53	20.38					
3	16QAM	8	7	20.58	20.59	20.52	22	2			
3	16QAM	15	0	20.52	20.59	20.52					
3	64QAM	1	0	20.51	20.61	20.58					
3	64QAM	1	8	20.59	20.58	20.50					
3	64QAM	1	14	20.52	20.51	20.43	22	2			
3	64QAM	8	0	19.55	19.61	19.52					
3	64QAM	8	4	19.45	19.54	19.45					
3	64QAM	8	7	19.61	19.62	19.51					
3	64QAM	15	0	19.48	19.59	19.49	21	3			
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.56	22.62	22.57	24	0			
1.4	QPSK	1	3	22.43	22.52	22.35					
1.4	QPSK	1	6	22.40	22.45	22.40					
1.4	QPSK	3	0	22.51	22.60	22.54					
1.4	QPSK	3	3	22.42	22.49	22.44	23	1			
1.4	QPSK	6	0	21.54	21.61	21.43					
1.4	16QAM	1	0	21.39	21.47	21.31					
1.4	16QAM	1	3	21.32	21.44	21.35					
1.4	16QAM	1	5	21.45	21.61	21.45	23	1			
1.4	16QAM	3	0	21.28	21.43	21.27					
1.4	16QAM	3	3	21.18	21.34	21.18					
1.4	16QAM	6	0	20.49	20.65	20.48					
1.4	64QAM	1	0	20.54	20.67	20.60	22	2			
1.4	64QAM	1	3	20.53	20.64	20.57					
1.4	64QAM	1	5	20.45	20.55	20.45					
1.4	64QAM	3	0	20.45	20.51	20.39					
1.4	64QAM	3	1	20.53	20.60	20.48	22	2			
1.4	64QAM	3	3	20.52	20.57	20.51					
1.4	64QAM	6	0	19.55	19.57	19.47	21	3			



Band 12 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				23050	23056	23136				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	22.59	22.68	22.64	24	0		
10	QPSK	1	25	22.55	22.60	22.51				
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	21.55	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				
10	16QAM	25	25	20.49	20.60	20.53	22	2		
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				
10	64QAM	1	49	20.50	20.57	20.49	22	2		
10	64QAM	25	0	19.56	19.59	19.51				
10	64QAM	25	12	19.40	19.50	19.47				
10	64QAM	25	25	19.42	19.55	19.41				
10	64QAM	50	0	19.43	19.54	19.50	21	3		
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	22.55	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				
5	QPSK	12	7	21.43	21.53	21.40	23	1		
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				
5	16QAM	12	13	20.39	20.52	20.43	22	2		
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				
5	64QAM	1	24	20.35	20.50	20.41	22	2		
5	64QAM	12	0	19.52	19.50	19.43				
5	64QAM	12	7	19.37	19.36	19.35				
5	64QAM	12	13	19.34	19.43	19.35				
5	64QAM	25	0	19.32	19.50	19.46	21	3		
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	22.48	22.56	22.52	24	0		
3	QPSK	1	8	22.52	22.55	22.44				
3	QPSK	1	14	22.26	22.42	22.37				
3	QPSK	8	0	21.47	21.51	21.36				
3	QPSK	8	4	21.47	21.44	21.30	23	1		
3	QPSK	8	7	21.33	21.43	21.36				
3	QPSK	15	0	21.40	21.44	21.37				
3	16QAM	1	0	21.38	21.45	21.35				
3	16QAM	1	8	21.28	21.33	21.35	23	1		
3	16QAM	1	14	21.17	21.27	21.20				
3	16QAM	8	0	20.55	20.56	20.48				
3	16QAM	8	4	20.43	20.49	20.38				
3	16QAM	8	7	20.43	20.50	20.49	22	2		
3	16QAM	15	0	20.38	20.43	20.33				
3	64QAM	1	0	20.44	20.55	20.45				
3	64QAM	1	8	20.50	20.53	20.42				
3	64QAM	1	14	20.46	20.52	20.35	22	2		
3	64QAM	8	0	19.45	19.51	19.45				
3	64QAM	8	4	19.27	19.35	19.33				
3	64QAM	8	7	19.35	19.46	19.28				
3	64QAM	15	0	19.36	19.42	19.40	21	3		
Channel				23017	23095	23173				
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	22.55	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	23	1		
1.4	QPSK	3	3	22.27	22.44	22.43				
1.4	QPSK	6	0	21.54	21.58	21.41				
1.4	16QAM	1	0	21.41	21.50	21.35				
1.4	16QAM	1	3	21.33	21.45	21.42	23	1		
1.4	16QAM	1	5	21.41	21.47	21.37				
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	22	2		
1.4	16QAM	6	0	20.47	20.54	20.50				
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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.73		24	0		
10	QPSK	1	25		22.58					
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					
10	16QAM	25	25		20.68		22	2		
10	16QAM	50	0		20.64					
10	64QAM	1	0		20.67					
10	64QAM	1	25		20.64					
10	64QAM	1	49		20.59		22	2		
10	64QAM	25	0		19.55					
10	64QAM	25	12		19.49					
10	64QAM	25	25		19.59					
10	64QAM	50	0		19.63		21	3		
Channel				23205	23230	23255				
Frequency (MHz)				779.5	782	784.5				
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	9	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	7	20.46	20.51	20.43				
5	16QAM	12	7	20.43	20.49	20.42				
5	16QAM	12	13	20.50	20.62	20.57	22	2		
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				
5	64QAM	1	24	20.40	20.46	20.44	22	2		
5	64QAM	12	9	19.30	19.44	19.33				
5	64QAM	12	7	19.32	19.43	19.33				
5	64QAM	12	13	19.45	19.55	19.49				
5	64QAM	25	0	19.49	19.54	19.47	21	3		



Band 25 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				26140	26340	26590				
Frequency (MHz)				1880	1880	1905				
20	QPSK	1	0	22.70	22.81	22.65	24	0		
20	QPSK	1	49	22.62	22.69	22.54				
20	QPSK	1	99	22.64	22.65	22.55				
20	QPSK	50	0	21.78	21.79	21.69	23	1		
20	QPSK	50	24	21.60	21.70	21.63				
20	QPSK	50	50	21.50	21.61	21.52				
20	QPSK	100	0	21.55	21.55	21.52	23	1		
20	16QAM	1	0	21.46	21.59	21.59				
20	16QAM	1	49	21.54	21.52	21.51				
20	16QAM	1	99	21.41	21.58	21.41	22	2		
20	16QAM	50	0	20.67	20.81	20.74				
20	16QAM	50	24	20.70	20.70	20.58				
20	16QAM	50	50	20.69	20.83	20.68	22	2		
20	16QAM	100	0	20.67	20.62	20.59				
20	64QAM	1	0	20.72	20.88	20.76				
20	64QAM	1	49	20.80	20.83	20.69	21	3		
20	64QAM	1	99	20.72	20.76	20.69				
20	64QAM	50	0	19.73	19.89	19.71				
20	64QAM	50	24	19.67	19.80	19.70	21	3		
20	64QAM	50	50	19.79	19.85	19.69				
20	64QAM	100	0	19.72	19.81	19.73				
Channel				26115	26340	26515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	22.59	22.73	22.55	24	0		
15	QPSK	1	37	22.57	22.64	22.40				
15	QPSK	1	74	22.50	22.62	22.49				
15	QPSK	36	0	21.74	21.76	21.60	23	1		
15	QPSK	36	20	21.51	21.60	21.57				
15	QPSK	36	39	21.46	21.57	21.44				
15	QPSK	75	0	21.44	21.54	21.40	23	1		
15	16QAM	1	0	21.33	21.48	21.49				
15	16QAM	1	37	21.41	21.39	21.46				
15	16QAM	1	74	21.29	21.45	21.30	22	2		
15	16QAM	36	0	20.60	20.69	20.70				
15	16QAM	36	20	20.56	20.56	20.52				
15	16QAM	36	39	20.55	20.79	20.61	22	2		
15	16QAM	75	0	20.63	20.75	20.55				
15	64QAM	1	0	20.59	20.83	20.70				
15	64QAM	1	37	20.72	20.77	20.57	22	2		
15	64QAM	1	74	20.61	20.65	20.65				
15	64QAM	36	0	19.65	19.79	19.65				
15	64QAM	36	20	19.53	19.75	19.60	21	3		
15	64QAM	36	39	19.75	19.81	19.65				
15	64QAM	75	0	19.63	19.76	19.67				
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	22.65	22.74	22.60	24	0		
10	QPSK	1	25	22.48	22.63	22.46				
10	QPSK	1	49	22.49	22.52	22.40				
10	QPSK	25	0	21.63	21.76	21.66	23	1		
10	QPSK	25	12	21.55	21.57	21.58				
10	QPSK	25	25	21.37	21.51	21.47				
10	QPSK	50	0	21.50	21.55	21.46	23	1		
10	16QAM	1	0	21.38	21.45	21.46				
10	16QAM	1	25	21.43	21.45	21.39				
10	16QAM	1	49	21.32	21.50	21.31	22	2		
10	16QAM	25	0	20.54	20.76	20.69				
10	16QAM	25	12	20.56	20.66	20.51				
10	16QAM	25	25	20.64	20.78	20.55	22	2		
10	16QAM	50	0	20.57	20.74	20.57				
10	64QAM	1	0	20.62	20.74	20.63				
10	64QAM	1	25	20.66	20.75	20.59	22	2		
10	64QAM	1	49	20.62	20.68	20.64				
10	64QAM	25	0	19.61	19.85	19.66				
10	64QAM	25	12	19.64	19.74	19.62	21	3		
10	64QAM	25	25	19.74	19.77	19.60				
10	64QAM	50	0	19.60	19.77	19.61				
Channel				26055	26340	26655	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	22.57	22.72	22.54	24	0		
5	QPSK	1	12	22.58	22.63	22.44				
5	QPSK	1	24	22.51	22.53	22.51				
5	QPSK	12	0	21.71	21.73	21.64	23	1		
5	QPSK	12	7	21.56	21.63	21.58				
5	QPSK	12	13	21.37	21.48	21.42				
5	QPSK	25	0	21.41	21.51	21.49	23	1		
5	16QAM	1	0	21.36	21.53	21.47				
5	16QAM	1	12	21.42	21.49	21.43				
5	16QAM	1	24	21.27	21.51	21.26	22	2		
5	16QAM	12	0	20.55	20.67	20.51				
5	16QAM	12	7	20.62	20.56	20.52				
5	16QAM	12	13	20.61	20.79	20.60	22	2		
5	16QAM	25	0	20.62	20.78	20.57				
5	64QAM	1	0	20.67	20.84	20.63				
5	64QAM	1	12	20.74	20.69	20.54	22	2		
5	64QAM	1	24	20.58	20.66	20.56				
5	64QAM	12	0	19.62	19.86	19.62				
5	64QAM	12	7	19.62	19.74	19.62	21	3		
5	64QAM	12	13	19.64	19.81	19.62				
5	64QAM	25	0	19.66	19.71	19.60				
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	22.59	22.68	22.57	24	0		
3	QPSK	1	8	22.56	22.58	22.45				
3	QPSK	1	14	22.61	22.62	22.41				
3	QPSK	8	0	21.63	21.73	21.58	23	1		
3	QPSK	8	4	21.50	21.62	21.56				
3	QPSK	8	7	21.47	21.49	21.44				
3	QPSK	15	0	21.44	21.56	21.45	23	1		
3	16QAM	1	0	21.34	21.54	21.52				
3	16QAM	1	8	21.40	21.45	21.43				
3	16QAM	1	14	21.29	21.52	21.31	22	2		
3	16QAM	8	0	20.54	20.76	20.68				
3	16QAM	8	4	20.58	20.67	20.51				
3	16QAM	8	7	20.61	20.76	20.61	22	2		
3	16QAM	15	0	20.53	20.73	20.58				
3	64QAM	1	0	20.67	20.78	20.65				
3	64QAM	1	8	20.69	20.76	20.57	22	2		
3	64QAM	1	14	20.60	20.65	20.65				
3	64QAM	12	0	19.70	19.78	19.62				
3	64QAM	8	4	19.59	19.65	19.60	21	3		
3	64QAM	8	7	19.73	19.77	19.60				
3	64QAM	15	0	19.64	19.68	19.62				
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	22.62	22.73	22.55	24	0		
1.4	QPSK	1	3	22.49	22.58	22.39				
1.4	QPSK	1	5	22.50	22.57	22.28				
1.4	QPSK	3	0	22.66	22.71	22.37	23	1		
1.4	QPSK	3	1	22.52	22.59	22.33				
1.4	QPSK	3	3	22.49	22.54	22.44				
1.4	QPSK	6	0	21.69	21.75	21.64	23	1		
1.4	16QAM	1	0	21.53	21.58	21.49				
1.4	16QAM	1	3	21.39	21.57	21.48				
1.4	16QAM	1	5	21.41	21.58	21.40	23	1		
1.4	16QAM	1	3	21.39	21.49	21.45				
1.4	16QAM	3	1	21.47	21.39	21.45				
1.4	16QAM	3	3	21.28	21.50	21.37	22	2		
1.4	64QAM	1	0	20.62	20.74	20.60				
1.4	64QAM	1	3	20.66	20.58	20.53				
1.4	64QAM	1	5	20.64	20.68	20.61	22	2		
1.4	64QAM	3	0	20.63	20.77	20.73				
1.4	64QAM	3	1	20.72	20.78	20.69				
1.4	64QAM	3	3	20.60	20.69	20.64	21	3		
1.4	64QAM	6	0	19.58	19.67	19.62				
1.4	64QAM	6	0	19.58	19.67	19.62				

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	21.94	22.01	21.94			
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	22	2	
20	64QAM	1	49	20.91	20.97	20.88			
20	64QAM	1	99	20.86	20.93	20.80			
20	64QAM	50	0	19.96	20.04	19.96	21	3	
20	64QAM	50	24	19.91	19.95	19.83			
20	64QAM	50	50	19.97	20.00	19.91			
20	64QAM	100	0	19.93	19.98	19.89			
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
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	21.76	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	23	1	
15	16QAM	1	37	21.87	21.87	21.85			
15	16QAM	1	74	21.81	21.91	21.82			
15	16QAM	36	0	20.91	21.03	20.91	22	2	
15	16QAM	36	20	20.89	20.91	20.89			
15	16QAM	36	39	20.89	21.01	20.95			
15	16QAM	75	0	20.75	20.95	20.83	22	2	
15	64QAM	1	0	20.89	20.91	20.88			
15	64QAM	1	37	20.83	20.90	20.82			
15	64QAM	1	74	20.78	20.79	20.72	21	3	
15	64QAM	36	0	19.85	19.90	19.82			
15	64QAM	36	20	19.83	19.91	19.73			
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	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	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	20.79			
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	22	2	
5	64QAM	1	24	20.78	20.82	20.75			
5	64QAM	12	0	19.90	19.94	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 38 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				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.78	22.88	22.81			
20	QPSK	1	49	22.74	22.77	22.72			
20	QPSK	1	99	22.69	22.75	22.83	23	1	
20	QPSK	50	0	21.73	21.87	21.67			
20	QPSK	50	24	21.63	21.73	21.63			
20	QPSK	50	50	21.55	21.72	21.63			
20	QPSK	100	0	21.63	21.75	21.69	23	1	
20	16QAM	1	0	21.78	21.85	21.84			
20	16QAM	1	49	21.80	21.81	21.79			
20	16QAM	1	99	21.86	21.73	21.68			
20	16QAM	50	0	20.86	20.93	20.86	22	2	
20	16QAM	50	24	20.81	20.80	20.72			
20	16QAM	50	50	20.80	20.82	20.81			
20	16QAM	100	0	20.68	20.86	20.68			
20	64QAM	1	0	20.80	20.87	20.86	22	2	
20	64QAM	1	49	20.72	20.75	20.69			
20	64QAM	1	99	20.62	20.69	20.64			
20	64QAM	50	0	19.81	19.90	19.83			
20	64QAM	50	24	19.68	19.82	19.64	21	3	
20	64QAM	50	50	19.76	19.82	19.77			
20	64QAM	100	0	19.69	19.94	19.66			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	24	0	
15	QPSK	1	0	22.69	22.84	22.73			
15	QPSK	1	37	22.67	22.66	22.58			
15	QPSK	1	74	22.60	22.64	22.54	23	1	
15	QPSK	36	0	21.82	21.74	21.61			
15	QPSK	36	20	21.57	21.59	21.58			
15	QPSK	36	39	21.46	21.59	21.56			
15	QPSK	75	0	21.52	21.70	21.54	23	1	
15	16QAM	1	0	21.75	21.79	21.73			
15	16QAM	1	37	21.66	21.77	21.68			
15	16QAM	1	74	21.61	21.61	21.61			
15	16QAM	36	0	20.80	20.89	20.75	22	2	
15	16QAM	36	20	20.78	20.88	20.63			
15	16QAM	36	39	20.76	20.72	20.77			
15	16QAM	75	0	20.54	20.78	20.56			
15	64QAM	1	0	20.74	20.74	20.60	22	2	
15	64QAM	1	37	20.67	20.67	20.59			
15	64QAM	1	74	20.57	20.56	20.60			
15	64QAM	36	0	19.75	19.85	19.69			
15	64QAM	36	20	19.65	19.71	19.54	21	3	
15	64QAM	36	39	19.65	19.70	19.72			
15	64QAM	75	0	19.59	19.79	19.60			
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575	2595	2615	24	0	
10	QPSK	1	0	22.66	22.81	22.70			
10	QPSK	1	25	22.65	22.68	22.64			
10	QPSK	1	49	22.54	22.69	22.61	23	1	
10	QPSK	25	0	21.67	21.78	21.63			
10	QPSK	25	12	21.50	21.59	21.55			
10	QPSK	25	25	21.50	21.68	21.56			
10	QPSK	50	0	21.53	21.81	21.65	23	1	
10	16QAM	1	0	21.63	21.81	21.80			
10	16QAM	1	25	21.75	21.69	21.67			
10	16QAM	1	49	21.53	21.66	21.58			
10	16QAM	25	0	20.76	20.87	20.71	22	2	
10	16QAM	25	12	20.75	20.86	20.60			
10	16QAM	25	25	20.69	20.71	20.76			
10	16QAM	50	0	20.56	20.79	20.59			
10	64QAM	1	0	20.70	20.82	20.59	22	2	
10	64QAM	1	25	20.60	20.69	20.59			
10	64QAM	1	49	20.57	20.62	20.54			
10	64QAM	25	0	19.68	19.78	19.77			
10	64QAM	25	12	19.54	19.68	19.53	21	3	
10	64QAM	25	25	19.65	19.68	19.68			
10	64QAM	50	0	19.62	19.75	19.55			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	24	0	
5	QPSK	1	0	22.72	22.84	22.74			
5	QPSK	1	12	22.69	22.67	22.67			
5	QPSK	1	24	22.57	22.71	22.68	23	1	
5	QPSK	12	0	21.65	21.78	21.53			
5	QPSK	12	7	21.55	21.65	21.58			
5	QPSK	12	13	21.46	21.64	21.50			
5	QPSK	25	0	21.55	21.65	21.64	23	1	
5	16QAM	1	0	21.70	21.74	21.71			
5	16QAM	1	12	21.70	21.70	21.66			
5	16QAM	1	24	21.59	21.58	21.61			
5	16QAM	12	0	20.76	20.87	20.74	22	2	
5	16QAM	12	7	20.72	20.73	20.64			
5	16QAM	12	13	20.74	20.69	20.72			
5	16QAM	25	0	20.54	20.76	20.59			
5	64QAM	1	0	20.68	20.84	20.59	22	2	
5	64QAM	1	12	20.60	20.64	20.56			
5	64QAM	1	24	20.49	20.63	20.54			
5	64QAM	12	0	19.69	19.78	19.72			
5	64QAM	12	7	19.55	19.76	19.54	21	3	
5	64QAM	12	13	19.71	19.78	19.69			
5	64QAM	25	0	19.60	19.72	19.56			

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	24	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.93	22.84	22.97	22.91	22.79		
20	QPSK	1	49	22.72	22.83	22.86	22.88	22.72		
20	QPSK	1	99	22.71	22.74	22.83	22.78	22.66	23	1
20	QPSK	50	0	21.78	21.85	21.93	21.76	21.80		
20	QPSK	50	24	21.64	21.79	21.78	21.76	21.58		
20	QPSK	50	50	21.72	21.61	21.87	21.72	21.71		
20	QPSK	100	0	21.87	21.77	21.91	21.81	21.73	23	1
20	16QAM	1	0	21.93	21.94	21.97	21.94	21.82		
20	16QAM	1	49	21.84	21.86	21.88	21.82	21.71		
20	16QAM	1	99	21.78	21.73	21.89	21.86	21.70		
20	16QAM	50	0	21.04	20.96	21.08	20.98	20.95	22	2
20	16QAM	50	24	20.86	20.90	20.89	20.83	20.85		
20	16QAM	50	50	20.83	20.87	20.93	20.97	20.77		
20	16QAM	100	0	20.85	20.74	20.93	20.80	20.75		
20	64QAM	1	0	20.79	20.87	20.92	20.82	20.73	22	2
20	64QAM	1	49	20.78	20.87	20.81	20.86	20.57		
20	64QAM	1	99	20.69	20.70	20.80	20.75	20.62		
20	64QAM	50	0	19.84	19.87	19.99	19.88	19.76		
20	64QAM	50	24	19.74	19.83	19.88	19.71	19.65	21	3
20	64QAM	50	50	19.76	19.86	19.88	19.82	19.65		
20	64QAM	100	0	19.79	19.85	19.90	19.76	19.57		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	24	0
15	QPSK	1	0	22.85	22.72	22.93	22.79	22.65		
15	QPSK	1	37	22.57	22.72	22.74	22.81	22.63		
15	QPSK	1	74	22.60	22.68	22.69	22.68	22.62	23	1
15	QPSK	36	0	21.69	21.80	21.79	21.69	21.71		
15	QPSK	36	20	21.59	21.75	21.73	21.67	21.43		
15	QPSK	36	39	21.61	21.51	21.77	21.67	21.62	23	1
15	QPSK	75	0	21.73	21.72	21.82	21.77	21.62		
15	16QAM	1	0	21.81	21.83	21.83	21.83	21.75		
15	16QAM	1	37	21.80	21.77	21.79	21.83	21.57	23	1
15	16QAM	1	74	21.66	21.66	21.63	21.77	21.58		
15	16QAM	36	0	20.56	20.84	21.00	20.87	20.82		
15	16QAM	36	20	20.79	20.78	20.76	20.69	20.64	22	2
15	16QAM	36	39	20.73	20.87	20.79	20.90	20.68		
15	16QAM	75	0	20.80	20.67	20.79	20.72	20.68		
15	64QAM	1	0	20.72	20.72	20.86	20.78	20.61	22	2
15	64QAM	1	37	20.71	20.80	20.68	20.78	20.56		
15	64QAM	36	74	20.61	20.56	20.58	20.61	20.58		
15	64QAM	36	0	19.84	19.81	19.86	19.83	19.65	21	3
15	64QAM	36	20	19.83	19.69	19.73	19.85	19.55		
15	64QAM	36	39	19.65	19.77	19.75	19.71	19.53		
15	64QAM	75	0	19.76	19.72	19.80	19.66	19.59	21	3
Channel				39750	40169	40620	41060	41490		
Frequency (MHz)				2503	2547	2593	2636	2679		
10	QPSK	1	0	22.85	22.71	22.88	22.80	22.70	24	0
10	QPSK	1	25	22.66	22.79	22.75	22.82	22.68		
10	QPSK	1	49	22.66	22.62	22.75	22.67	22.62		
10	QPSK	25	0	21.69	21.77	21.88	21.62	21.73	23	1
10	QPSK	25	12	21.52	21.70	21.68	21.69	21.51		
10	QPSK	25	25	21.64	21.50	21.74	21.63	21.63		
10	QPSK	50	0	21.79	21.70	21.86	21.73	21.68	23	1
10	16QAM	1	0	21.88	21.81	21.82	21.85	21.69		
10	16QAM	1	25	21.79	21.74	21.80	21.89	21.64		
10	16QAM	1	49	21.75	21.63	21.78	21.71	21.66	22	2
10	16QAM	25	0	20.91	20.84	20.96	20.90	20.78		
10	16QAM	25	12	20.80	20.77	20.75	20.72	20.78		
10	16QAM	25	25	20.76	20.85	20.81	20.93	20.68	21	3
10	16QAM	50	0	20.78	20.63	20.79	20.89	20.62		
10	64QAM	1	0	20.67	20.78	20.84	20.73	20.66		
10	64QAM	1	25	20.67	20.78	20.71	20.71	20.52	22	2
10	64QAM	1	49	20.55	20.64	20.67	20.87	20.51		
10	64QAM	25	0	19.82	19.75	19.89	19.82	19.63		
10	64QAM	25	12	19.64	19.68	19.84	19.61	19.56	21	3
10	64QAM	25	25	19.65	19.74	19.75	19.70	19.59		
10	64QAM	50	0	19.66	19.76	19.77	19.71	19.62		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2543.3	2593	2646.3	2697.5	24	0
5	QPSK	1	0	22.73	22.73	22.73	22.73	22.71		
5	QPSK	1	12	22.61	22.77	22.82	22.76	22.69		
5	QPSK	1	24	22.63	22.60	22.78	22.70	22.61	23	1
5	QPSK	12	0	21.73	21.73	21.89	21.65	21.73		
5	QPSK	12	7	21.60	21.68	21.65	21.65	21.56		
5	QPSK	12	13	21.63	21.52	21.60	21.63	21.57	23	1
5	QPSK	26	0	21.82	21.65	21.81	21.71	21.69		
5	16QAM	0	0	21.84	21.86	21.90	21.85	21.72		
5	16QAM	1	12	21.76	21.74	21.84	21.85	21.67	23	1
5	16QAM	1	24	21.71	21.59	21.76	21.82	21.58		
5	16QAM	12	0	20.97	20.87	20.96	20.89	20.89		
5	16QAM	12	7	20.75	20.79	20.81	20.88	20.67	22	2
5	16QAM	25	0	20.73	20.92	20.81	20.84	20.72		
5	16QAM	25	0	20.76	20.67	20.80	20.72	20.67		
5	64QAM	1	0	20.69	20.80	20.78	20.74	20.65	22	2
5	64QAM	1	12	20.70	20.82	20.72	20.72	20.65		
5	64QAM	1	24	20.60	20.57	20.70	20.66	20.55		
5	64QAM	12	0	19.89	19.77	19.85	19.79	19.68	21	3
5	64QAM	7	19.69	19.75	19.84	19.57	19.63			
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57		



Band 2 Ant4 Default										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)		
				Ch. / Free	Ch. / Free	Ch. / Free				
				19700	19800	19100				
Channel										
Frequency (MHz)							1880	1880	1900	
20	QPSK	1	0	19.77	19.84	19.82	21	0		
20	QPSK	1	49	19.73	19.76	19.68				
20	QPSK	1	99	19.65	19.71	19.58				
20	QPSK	50	0	18.94	18.97	18.89	20	1		
20	QPSK	50	24	18.78	18.91	18.79				
20	QPSK	50	50	18.75	18.86	18.75				
20	QPSK	100	0	18.82	18.92	18.81	20	1		
20	16QAM	1	0	18.70	18.82	18.72				
20	16QAM	1	49	18.71	18.76	18.62				
20	16QAM	1	99	18.65	18.72	18.61	19	2		
20	16QAM	50	0	17.95	18.03	17.95				
20	16QAM	50	24	17.85	17.95	17.80				
20	16QAM	50	50	17.86	17.99	17.91	19	2		
20	16QAM	100	0	17.93	17.98	17.82				
20	64QAM	1	0	17.67	17.77	17.63				
20	64QAM	1	49	17.64	17.71	17.63	19	2		
20	64QAM	1	99	17.53	17.67	17.59				
20	64QAM	50	0	16.97	17.00	16.87				
20	64QAM	50	24	16.86	16.91	16.83	18	3		
20	64QAM	50	50	16.82	16.96	16.90				
20	64QAM	100	0	16.85	16.93	16.81				
Channel							1887.5	18900	19125	
Frequency (MHz)							1887.5	1880	1902.5	
15	QPSK	1	0	19.72	19.79	19.69	21	0		
15	QPSK	1	37	19.67	19.62	19.64				
15	QPSK	1	74	19.61	19.56	19.49				
15	QPSK	36	0	18.83	18.88	18.84	20	1		
15	QPSK	36	20	18.71	18.79	18.72				
15	QPSK	36	36	18.61	18.81	18.68				
15	QPSK	75	0	18.75	18.83	18.73	20	1		
15	16QAM	1	0	18.66	18.71	18.58				
15	16QAM	1	37	18.57	18.71	18.50				
15	16QAM	1	74	18.58	18.60	18.56	19	2		
15	16QAM	36	0	17.83	17.93	17.90				
15	16QAM	36	20	17.78	17.80	17.68				
15	16QAM	36	36	17.80	17.92	17.87	19	2		
15	16QAM	75	0	17.86	17.87	17.75				
15	64QAM	1	0	17.55	17.72	17.58				
15	64QAM	1	37	17.52	17.62	17.53	19	2		
15	64QAM	1	74	17.38	17.62	17.45				
15	64QAM	36	0	16.89	16.90	16.83				
15	64QAM	36	20	16.73	16.80	16.70	18	3		
15	64QAM	36	36	16.79	16.83	16.76				
15	64QAM	75	0	16.70	16.81	16.77				
Channel							18850	18900	19175	
Frequency (MHz)							18850.5	1880	1905	
10	QPSK	1	0	19.63	19.80	19.75	21	0		
10	QPSK	1	25	19.69	19.69	19.64				
10	QPSK	1	49	19.57	19.61	19.50				
10	QPSK	25	0	18.90	18.91	18.79	20	1		
10	QPSK	25	12	18.72	18.90	18.67				
10	QPSK	25	25	18.71	18.81	18.60				
10	QPSK	50	0	18.70	18.87	18.73	20	1		
10	16QAM	1	0	18.58	18.75	18.63				
10	16QAM	1	25	18.66	18.64	18.55				
10	16QAM	1	49	18.50	18.67	18.49	19	2		
10	16QAM	25	0	17.90	17.99	17.91				
10	16QAM	25	12	17.80	17.89	17.70				
10	16QAM	25	25	17.82	17.92	17.86	19	2		
10	16QAM	50	0	17.78	17.86	17.75				
10	64QAM	1	0	17.55	17.68	17.58				
10	64QAM	1	25	17.54	17.58	17.53	19	2		
10	64QAM	1	49	17.41	17.63	17.51				
10	64QAM	25	0	16.90	16.95	16.79				
10	64QAM	25	12	16.78	16.82	16.70	18	3		
10	64QAM	25	25	16.73	16.82	16.76				
10	64QAM	50	0	16.80	16.86	16.68				
Channel							18825	18900	19175	
Frequency (MHz)							18825.5	1880	1907.5	
5	QPSK	1	0	19.66	19.73	19.71	21	0		
5	QPSK	1	12	19.68	19.65	19.56				
5	QPSK	1	24	19.60	19.62	19.48				
5	QPSK	12	0	18.88	18.87	18.85	20	1		
5	QPSK	12	7	18.74	18.78	18.76				
5	QPSK	12	13	18.71	18.79	18.63				
5	QPSK	25	0	18.76	18.89	18.76	20	1		
5	16QAM	1	0	18.62	18.75	18.66				
5	16QAM	1	12	18.67	18.64	18.48				
5	16QAM	1	24	18.61	18.69	18.55	19	2		
5	16QAM	12	0	17.83	17.96	17.86				
5	16QAM	12	7	17.79	17.90	17.65				
5	16QAM	12	13	17.80	17.86	17.65	19	2		
5	16QAM	25	0	17.86	17.84	17.68				
5	64QAM	1	0	17.53	17.68	17.49				
5	64QAM	1	12	17.59	17.65	17.59	19	2		
5	64QAM	1	24	17.47	17.58	17.54				
5	64QAM	12	0	16.90	16.95	16.82				
5	64QAM	12	7	16.72	16.82	16.78	18	3		
5	64QAM	12	13	16.76	16.85	16.83				
5	64QAM	25	0	16.80	16.88	16.66				
Channel							18815	18900	19185	
Frequency (MHz)							18815.5	1880	1906.5	
3	QPSK	1	0	19.65	19.80	19.73	21	0		
3	QPSK	1	8	19.64	19.68	19.61				
3	QPSK	1	14	19.60	19.60	19.50				
3	QPSK	8	0	18.83	18.86	18.80	20	1		
3	QPSK	8	4	18.73	18.76	18.69				
3	QPSK	8	7	18.71	18.77	18.61				
3	QPSK	15	0	18.69	18.87	18.67	20	1		
3	16QAM	1	0	18.57	18.74	18.68				
3	16QAM	1	8	18.60	18.73	18.51				
3	16QAM	1	14	18.55	18.58	18.49	19	2		
3	16QAM	8	0	17.86	17.93	17.86				
3	16QAM	8	4	17.73	17.85	17.67				
3	16QAM	8	7	17.75	17.91	17.79	19	2		
3	16QAM	15	0	17.90	17.89	17.73				
3	64QAM	1	0	17.53	17.72	17.54				
3	64QAM	1	8	17.53	17.59	17.59	19	2		
3	64QAM	1	14	17.44	17.64	17.51				
3	64QAM	8	0	16.91	16.85	16.79				
3	64QAM	8	4	16.77	16.80	16.73	18	3		
3	64QAM	8	7	16.69	16.85	16.81				
3	64QAM	15	0	16.80	16.89	16.67				
Channel							18807	18900	19193	
Frequency (MHz)							18807.5	1880	1900.3	
1.4	QPSK	1	0	19.69	19.78	19.72	21	0		
1.4	QPSK	1	3	19.64	19.68	19.57				
1.4	QPSK	1	5	19.55	19.56	19.55				
1.4	QPSK	3	0	19.65	19.72	19.69	20	1		
1.4	QPSK	3	1	19.67	19.62	19.53				
1.4	QPSK	3	3	19.53	19.65	19.48				
1.4	QPSK	6	0	18.84	18.92	18.78	20	1		
1.4	16QAM	1	0	18.75	18.77	18.65				
1.4	16QAM	1	3	18.71	18.71	18.66				
1.4	16QAM	1	5	18.73	18.87	18.67	20	1		
1.4	16QAM	3	0	18.55	18.72	18.67				
1.4	16QAM	3	1	18.61	18.70	18.55				
1.4	16QAM	3	3	18.60	18.58	18.53	19	2		
1.4	16QAM	6	0	17.84	17.99	17.91				
1.4	64QAM	1	0	17.72	17.87	17.67				
1.4	64QAM	1	3	17.83	17.93	17.80	19	2		
1.4	64QAM	1	5	17.84	17.87	17.72				
1.4	64QAM	3	0	17.63	17.65	17.60				
1.4	64QAM	3	1	17.52	17.56	17.59	18	3		
1.4	64QAM	3	3	17.42	17.55	17.47				
1.4	64QAM	6	0	16.90	16.94	16.81				

Band 5 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.93	21.96	21.79	22.5	0	
10	QPSK	1	25	21.89	21.88	21.75			
10	QPSK	1	49	21.64	21.83	21.85			
10	QPSK	25	0	20.80	21.01	20.91			
10	QPSK	25	12	20.75	20.95	20.96	21.5	1	
10	QPSK	25	25	20.72	20.90	20.90			
10	QPSK	50	0	20.75	20.93	20.88			
10	16QAM	1	0	20.91	20.96	20.96			
10	16QAM	1	25	20.76	20.90	20.91	21.5	1	
10	16QAM	1	49	20.73	20.86	20.76			
10	16QAM	25	0	19.84	19.98	19.89			
10	16QAM	25	12	19.90	19.90	19.88			
10	16QAM	25	25	19.96	19.94	19.92	20.5	2	
10	16QAM	50	0	19.69	19.90	19.78			
10	64QAM	1	0	19.74	19.92	19.78			
10	64QAM	1	25	19.84	19.86	19.76			
10	64QAM	1	49	19.76	19.82	19.81	20.5	2	
10	64QAM	25	0	18.81	18.92	18.89			
10	64QAM	25	12	18.78	18.83	18.79			
10	64QAM	25	25	18.80	18.80	18.80			
10	64QAM	50	0	18.80	18.87	18.85	19.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.84	21.91	21.71	22.5	0	
5	QPSK	1	12	21.75	21.82	21.75			
5	QPSK	1	24	21.47	21.84	21.81			
5	QPSK	12	0	20.68	20.87	20.75			
5	QPSK	12	7	20.66	20.90	20.90	21.5	1	
5	QPSK	12	13	20.61	20.69	20.85			
5	QPSK	25	0	20.75	20.79	20.74			
5	16QAM	1	0	20.73	20.82	20.75			
5	16QAM	1	12	20.71	20.92	20.85	21.5	1	
5	16QAM	1	24	20.55	20.67	20.71			
5	16QAM	12	0	19.81	19.96	19.85			
5	16QAM	12	7	19.79	19.76	19.87			
5	16QAM	12	13	19.76	19.90	19.87	20.5	2	
5	16QAM	25	0	19.61	19.70	19.68			
5	64QAM	1	0	19.63	19.90	19.80			
5	64QAM	1	12	19.82	19.73	19.64			
5	64QAM	1	24	19.77	19.61	19.61	20.5	2	
5	64QAM	12	0	18.82	18.73	18.84			
5	64QAM	12	7	18.59	18.62	18.71			
5	64QAM	12	13	18.72	18.67	18.77			
5	64QAM	25	0	18.75	18.83	18.65	19.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.93	21.76	21.60	22.5	0	
3	QPSK	1	8	21.74	21.67	21.67			
3	QPSK	1	14	21.56	21.72	21.77			
3	QPSK	8	0	20.93	21.02	20.93			
3	QPSK	8	4	20.71	20.82	20.81	21.5	1	
3	QPSK	8	7	20.65	20.72	20.81			
3	QPSK	15	0	20.73	20.86	20.87			
3	16QAM	1	0	20.83	20.86	20.79			
3	16QAM	1	8	20.60	20.89	20.80	21.5	1	
3	16QAM	1	14	20.64	20.79	20.77			
3	16QAM	8	0	19.91	19.97	19.71			
3	16QAM	8	4	19.76	19.72	19.71			
3	16QAM	8	7	19.90	19.79	19.75	20.5	2	
3	16QAM	15	0	19.50	19.76	19.70			
3	64QAM	1	0	19.76	19.70	19.75			
3	64QAM	1	8	19.64	19.87	19.75			
3	64QAM	1	14	19.71	19.73	19.70	20.5	2	
3	64QAM	8	0	18.60	18.80	18.82			
3	64QAM	8	4	18.62	18.78	18.61			
3	64QAM	8	7	18.71	18.77	18.79			
3	64QAM	15	0	18.60	18.80	18.83	19.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.82	21.87	21.64	22.5	0	
1.4	QPSK	1	3	21.85	21.84	21.56			
1.4	QPSK	1	5	21.59	21.72	21.82			
1.4	QPSK	3	0	21.78	21.80	21.67			
1.4	QPSK	3	1	21.44	21.71	21.73	21.5	1	
1.4	QPSK	3	3	21.55	21.52	21.56			
1.4	QPSK	6	0	20.54	20.91	20.73			
1.4	16QAM	1	0	20.91	20.81	20.79			
1.4	16QAM	1	3	20.72	20.77	20.71	21.5	1	
1.4	16QAM	1	5	20.60	20.78	20.74			
1.4	16QAM	3	0	20.89	20.85	20.97			
1.4	16QAM	3	1	20.67	20.90	20.93			
1.4	16QAM	3	3	20.63	20.82	20.67	20.5	2	
1.4	16QAM	6	0	19.64	19.70	19.60			
1.4	64QAM	1	0	19.75	19.79	19.71			
1.4	64QAM	1	3	19.64	19.73	19.70			
1.4	64QAM	1	5	19.77	19.62	19.61	20.5	2	
1.4	64QAM	3	0	19.69	19.85	19.56			
1.4	64QAM	3	1	19.63	19.78	19.58			
1.4	64QAM	3	3	19.72	19.83	19.75			
1.4	64QAM	6	0	18.63	18.72	18.71	19.5	3	

Band 66 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							Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)									
20	QPSK	1	0	20.72	20.83	20.74	21.5	0	
20	QPSK	1	49	20.75	20.77	20.65			
20	QPSK	1	99	20.62	20.77	20.55			
20	QPSK	50	0	19.85	19.90	19.83			
20	QPSK	50	24	19.84	19.85	19.81	20.5	1	
20	QPSK	50	50	19.80	19.82	19.71			
20	QPSK	100	0	19.87	19.95	19.77			
20	16QAM	1	0	19.74	19.71	19.72			
20	16QAM	1	49	19.62	19.72	19.55	20.5	1	
20	16QAM	1	99	19.63	19.65	19.60			
20	16QAM	50	0	18.89	18.87	18.96			
20	16QAM	50	24	18.80	18.90	18.74			
20	16QAM	50	50	18.76	18.93	18.93	19.5	2	
20	16QAM	100	0	18.82	18.92	18.76			
20	64QAM	1	0	18.65	18.67	18.61			
20	64QAM	1	49	18.62	18.64	18.61			
20	64QAM	1	99	18.45	18.68	18.57	19.5	2	
20	64QAM	50	0	17.88	17.94	17.74			
20	64QAM	50	24	17.81	17.89	17.82			
20	64QAM	50	50	17.83	17.86	17.83			
20	64QAM	100	0	17.92	17.92	17.80	18.5	3	
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.75	20.80	20.69			
15	QPSK	1	37	20.70	20.62	20.60			
15	QPSK	1	74	20.54	20.68	20.50			
15	QPSK	36	0	19.80	19.79	19.75			
15	QPSK	36	20	19.72	19.73	19.67	20.5	1	
15	QPSK	36	39	19.73	19.73	19.59			
15	QPSK	75	0	19.79	19.93	19.71			
15	16QAM	1	0	19.62	19.65	19.69			
15	16QAM	1	37	19.50	19.69	19.47	20.5	1	
15	16QAM	1	74	19.53	19.59	19.57			
15	16QAM	36	0	18.75	18.96	18.86			
15	16QAM	36	20	18.75	18.82	18.69			
15	16QAM	36	39	18.76	18.83	18.64	19.5	2	
15	16QAM	75	0	18.73	18.87	18.68			
15	64QAM	1	0	18.54	18.56	18.54			
15	64QAM	1	37	18.56	18.57	18.47			
15	64QAM	1	74	18.36	18.59	18.45	19.5	2	
15	64QAM	36	0	17.81	17.82	17.61			
15	64QAM	36	20	17.88	17.76	17.79			
15	64QAM	36	39	17.72	17.79	17.67			
15	64QAM	75	0	17.78	17.79	17.67	18.5	3	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.71	20.76	20.57			
10	QPSK	1	25	20.58	20.53	20.46			
10	QPSK	1	49	20.42	20.60	20.37			
10	QPSK	25	0	19.65	19.72	19.70			
10	QPSK	25	12	19.64	19.72	19.61	20.5	1	
10	QPSK	25	25	19.67	19.69	19.48			
10	QPSK	50	0	19.68	19.78	19.57			
10	16QAM	1	0	19.56	19.56	19.58			
10	16QAM	1	25	19.43	19.61	19.33	20.5	1	
10	16QAM	1	49	19.49	19.49	19.54			
10	16QAM	25	0	18.71	18.91	18.76			
10	16QAM	25	12	18.64	18.76	18.60			
10	16QAM	25	25	18.48	18.78	18.61	19.5	2	
10	16QAM	50	0	18.66	18.83	18.59			
10	64QAM	1	0	18.44	18.41	18.47			
10	64QAM	1	25	18.49	18.50	18.40			
10	64QAM	1	49	18.32	18.53	18.41	19.5	2	
10	64QAM	25	0	17.77	17.77	17.57			
10	64QAM	25	12	17.58	17.68	17.57			
10	64QAM	25	25	17.84	17.70	17.61			
10	64QAM	50	0	17.63	17.74	17.52	18.5	3	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.69	20.73	20.50			
5	QPSK	1	12	20.59	20.51	20.50			
5	QPSK	1	24	20.50	20.55	20.42			
5	QPSK	12	0	19.64	19.71	19.70			
5	QPSK	12	7	19.67	19.62	19.68	20.5	1	
5	QPSK	12	13	19.63	19.64	19.51			
5	QPSK	25	0	19.71	19.79	19.62			
5	16QAM	1	0	19.53	19.59	19.62			
5	16QAM	1	12	19.43	19.63	19.42	20.5	1	
5	16QAM	1	24	19.49	19.51	19.40			
5	16QAM	12	0	18.65	18.81	18.62			
5	16QAM	12	7	18.68	18.69	18.61			
5	16QAM	12	13	18.48	18.72	18.54	19.5	2	
5	16QAM	25	0	18.60	18.74	18.56			
5	64QAM	1	0	18.49	18.45	18.42			
5	64QAM	1	12	18.50	18.53	18.33			
5	64QAM	1	24	18.26	18.47	18.38	19.5	2	
5	64QAM	12	0	17.66	17.74	17.55			
5	64QAM	12	7	17.67	17.70	17.61			
5	64QAM	12	13	17.67	17.74	17.51			
5	64QAM	25	0	17.64	17.68	17.57	18.5	3	
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.67	20.70	20.55			
3	QPSK	1	8	20.62	20.54	20.48			
3	QPSK	1	14	20.49	20.58	20.40			
3	QPSK	8	0	19.67	19.70	19.61			
3	QPSK	8	4	19.68	19.69	19.56	20.5	1	
3	QPSK	8	7	19.65	19.67	19.48			
3	16QAM	1	0	19.65	19.88	19.60			
3	16QAM	1	8	19.48	19.53	19.61			
3	16QAM	1	8	19.39	19.56	19.35	20.5	1	
3	16QAM	1	14	19.48	19.47	19.47			
3	16QAM	8	0	18.78	18.81	18.76			
3	16QAM	8	4	18.65	18.76	18.65			
3	16QAM	8	7	18.60	18.69	18.75	19.5	2	
3	16QAM	15	0	18.69	18.74	18.63			
3	64QAM	1	0	18.44	18.46	18.33			
3	64QAM	1	8	18.49	18.50	18.37			
3	64QAM	1	14	18.24	18.55	18.40	19.5	2	
3	64QAM	8	0	17.78	17.79	17.61			
3	64QAM	8	4	17.58	17.73	17.73			
3	64QAM	8	7	17.58	17.65	17.72			
3	64QAM	15	0	17.68	17.67	17.63	18.5	3	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.73	20.72	20.66			
1.4	QPSK	1	3	20.70	20.72	20.59			
1.4	QPSK	1	6	20.46	20.66	20.44			
1.4	QPSK	3	0	20.68	20.72	20.64			
1.4	QPSK	3	1	20.63	20.52	20.50	20.5	1	
1.4	QPSK	3	3	20.48	20.57	20.40			
1.4	QPSK	6	0	19.71	19.65	19.64			
1.4	16QAM	1	0	19.65	19.59	19.54			
1.4	16QAM	1	3	19.62	19.59	19.44	20.5	1	
1.4	16QAM	1	6	19.69	19.65	19.61			
1.4	16QAM	3	0	19.52	19.55	19.57			
1.4	16QAM	3	1	19.44	19.55	19.40			
1.4	16QAM	3	3	19.43	19.51	19.38	19.5	2	
1.4	16QAM	6	0	18.67	18.85	18.72			
1.4	64QAM	1	0	17.69	17.72	17.62			
1.4	64QAM	1	3	17.53	17.67	17.74			
1.4	64QAM	1	6	17.62	17.81	17.61	19.5	2	
1.4	64QAM	3	0	18.48	18.48	18.46			
1.4	64QAM	3	1	18.46	18.54	18.32			
1.4	64QAM	3	3	18.25	18.46	18.39			
1.4	64QAM	6	0	17.69	17.78	17.53	18.5	3	

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		
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		
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		
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		
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		
20	16QAM	100	0	20.23	20.34	20.29			
20	64QAM	1	0	20.26	20.13	20.01			
20	64QAM	1	49	20.01	20.07	20.00	22		
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		
20	64QAM	50	50	19.15	19.20	19.13			
20	64QAM	100	0	19.16	19.29	19.23			
Channel				42105	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.20	22.28	22.18	24		
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	21.36	21.18	23		
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		
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		
15	16QAM	36	0	20.26	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		
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		
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		
15	64QAM	36	39	19.03	19.15	19.06			
15	64QAM	75	0	19.11	19.24	19.09			
Channel				42140	42590	43060			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.19	22.21	22.14	24		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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	21		
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		
5	64QAM	12	13	19.06	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)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		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		29.26	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)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.55	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	18.42	18.31	18.24	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
WCDMA II Ant0 ECI2									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9100	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1637	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps		22.54	22.61	22.52	24.00	22.65	22.75	22.67	24.00
3GPP Rel 99 RMC 12.2Kbps		22.57	22.65	22.62	24.00	22.68	22.77	22.70	24.00
3GPP Rel 6 HSDPA Subtest-1		21.56	21.71	21.59	23.00	21.72	21.87	21.66	23.00
3GPP Rel 6 HSDPA Subtest-2		21.56	21.57	21.54	23.00	21.65	21.73	21.63	23.00
3GPP Rel 6 HSDPA Subtest-3		21.08	21.19	21.11	22.50	21.18	21.31	21.24	22.50
3GPP Rel 6 HSDPA Subtest-4		21.00	21.06	21.06	22.50	21.06	21.12	21.15	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
3GPP Rel 8 DC-HSDPA Subtest-2		21.44	21.63	21.47	23.00	21.59	21.78	21.56	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
3GPP Rel 8 DC-HSDPA Subtest-4		20.97	21.07	20.98	22.50	21.05	21.15	21.05	22.50
3GPP Rel 6 HSUPA Subtest-1		21.44	21.58	21.54	23.00	21.59	21.66	21.62	23.00
3GPP Rel 6 HSUPA Subtest-2		19.57	19.69	19.58	21.00	19.65	19.79	19.73	21.00
3GPP Rel 6 HSUPA Subtest-3		20.70	20.73	20.68	22.00	20.83	20.79	20.81	22.00
3GPP Rel 6 HSUPA Subtest-4		19.48	19.60	19.47	21.00	19.57	19.73	19.60	21.00
3GPP Rel 6 HSUPA Subtest-5		21.47	21.64	21.52	23.00	21.56	21.75	21.67	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
WCDMA V Ant0 ECI2									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4162	4238		4132	4162	4238	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99		22.78	22.88	22.83	24.00	22.78	22.88	22.83	24.00
3GPP Rel 6		22.85	22.93	22.88	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6		21.87	21.94	21.80	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6		21.76	21.81	21.75	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6		21.33	21.36	21.34	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6		21.13	21.28	21.24	22.50	21.13	21.28	21.24	22.50
3GPP Rel 8		21.81	21.80	21.82	23.00	21.81	21.80	21.82	23.00
3GPP Rel 8		21.72	21.89	21.73	23.00	21.72	21.89	21.73	23.00
3GPP Rel 8		21.25	21.38	21.30	22.50	21.25	21.38	21.30	22.50
3GPP Rel 8		21.16	21.22	21.11	22.50	21.16	21.22	21.11	22.50
3GPP Rel 6		21.68	21.72	21.73	23.00	21.68	21.72	21.73	23.00
3GPP Rel 6		19.72	19.85	19.83	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6		20.96	20.96	20.95	22.00	20.96	20.96	20.95	22.00
3GPP Rel 6		19.69	19.83	19.65	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6		21.66	21.89	21.82	23.00	21.66	21.89	21.82	23.00
3GPP Rel 7		19.35	19.52	19.37	20.50	19.35	19.52	19.37	20.50

Band 2 Ant0 DCI2													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)					
				Ch./Freq.	Ch./Freq.	Ch./Freq.							
				Channel	18700	18800					19100		
Frequency (MHz)				1860	1880	1900							
20	QPSK	1	0	22.63	22.66	22.80	24	0					
20	QPSK	1	49	22.52	22.58	22.46							
20	QPSK	1	99	22.50	22.53	22.49							
20	QPSK	50	0	21.61	21.65	21.56							
20	QPSK	50	24	21.52	21.59	21.54	23	1					
20	QPSK	50	50	21.42	21.54	21.43							
20	QPSK	100	0	21.50	21.58	21.47							
20	16QAM	1	0	21.41	21.52	21.46							
20	16QAM	1	49	21.39	21.46	21.36	23	1					
20	16QAM	1	99	21.28	21.42	21.33							
20	16QAM	50	0	20.58	20.72	20.61							
20	16QAM	50	24	20.58	20.64	20.51			22	2			
20	16QAM	50	50	20.64	20.68	20.55	22						
20	16QAM	100	0	20.58	20.69	20.58							
20	64QAM	1	0	20.61	20.75	20.69	22		2				
20	64QAM	1	49	20.64	20.69	20.62							
20	64QAM	1	99	20.56	20.65	20.56							
20	64QAM	50	0	19.65	19.73	19.63	21	3					
20	64QAM	50	24	19.55	19.64	19.58							
20	64QAM	50	50	19.65	19.69	19.57							
20	64QAM	100	0	19.63	19.70	19.58							
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1857.5	1880	1902.5							
15	QPSK	1	0	22.55	22.58	22.47	24	0					
15	QPSK	1	37	22.47	22.51	22.40							
15	QPSK	1	74	22.36	22.43	22.35							
15	QPSK	36	0	21.57	21.56	21.43			23	1			
15	QPSK	36	20	21.42	21.54	21.50	23						
15	QPSK	36	36	21.28	21.46	21.34							
15	QPSK	75	0	21.45	21.45	21.37							
15	16QAM	1	0	21.35	21.41	21.36	23	1					
15	16QAM	1	37	21.30	21.33	21.22							
15	16QAM	1	74	21.22	21.38	21.26			22	2			
15	16QAM	36	0	20.50	20.63	20.47							
15	16QAM	36	20	20.51	20.49	20.45	22						
15	16QAM	36	36	20.53	20.59	20.50							
15	16QAM	75	0	20.53	20.55	20.53	22		2				
15	64QAM	1	0	20.46	20.70	20.57							
15	64QAM	1	37	20.49	20.63	20.49							
15	64QAM	1	74	20.47	20.59	20.46	21		3				
15	64QAM	36	0	19.59	19.64	19.56				21			
15	64QAM	36	20	19.46	19.49	19.46							
15	64QAM	36	36	19.50	19.61	19.47							
15	64QAM	75	0	19.59	19.64	19.51							
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1855	1880	1905							
10	QPSK	1	0	22.55	22.61	22.51	24	0					
10	QPSK	1	25	22.41	22.48	22.31							
10	QPSK	1	49	22.39	22.46	22.46							
10	QPSK	25	0	21.56	21.52	21.50			23	1			
10	QPSK	25	12	21.43	21.55	21.45	23						
10	QPSK	25	25	21.31	21.43	21.34							
10	QPSK	50	0	21.39	21.47	21.35							
10	16QAM	1	0	21.37	21.47	21.33	23	1					
10	16QAM	1	25	21.28	21.38	21.30							
10	16QAM	1	49	21.20	21.28	21.22	22		2				
10	16QAM	25	0	20.45	20.59	20.51							
10	16QAM	25	12	20.47	20.56	20.38							
10	16QAM	25	25	20.56	20.56	20.45			22	2			
10	16QAM	50	0	20.47	20.57	20.51							
10	64QAM	1	0	20.48	20.67	20.65	22	2					
10	64QAM	1	25	20.51	20.57	20.55							
10	64QAM	1	49	20.45	20.52	20.43		21	3				
10	64QAM	25	0	19.51	19.62	19.50							
10	64QAM	25	12	19.41	19.53	19.51							
10	64QAM	25	25	19.51	19.63	19.47							
10	64QAM	50	0	19.56	19.58	19.47							
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1852.5	1880	1907.5							
5	QPSK	1	0	22.58	22.63	22.51	24	0					
5	QPSK	1	12	22.47	22.50	22.36							
5	QPSK	1	24	22.42	22.41	22.42							
5	QPSK	12	0	21.51	21.53	21.50			23	1			
5	QPSK	12	7	21.39	21.51	21.45	23						
5	QPSK	12	13	21.34	21.51	21.36							
5	QPSK	25	0	21.41	21.51	21.33							
5	16QAM	1	0	21.30	21.40	21.39	23	1					
5	16QAM	1	12	21.35	21.43	21.24							
5	16QAM	1	24	21.22	21.38	21.28	22		2				
5	16QAM	12	0	20.50	20.65	20.47							
5	16QAM	12	7	20.53	20.51	20.43							
5	16QAM	12	13	20.52	20.57	20.42			22	2			
5	16QAM	25	0	20.47	20.65	20.46							
5	64QAM	1	0	20.56	20.66	20.64	22	2					
5	64QAM	1	12	20.50	20.57	20.51							
5	64QAM	1	24	20.44	20.50	20.51		21	3				
5	64QAM	12	0	19.58	19.62	19.53							
5	64QAM	12	7	19.42	19.60	19.48							
5	64QAM	12	13	19.51	19.62	19.52							
5	64QAM	25	0	19.53	19.58	19.49							
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1851.5	1880	1906.5							
3	QPSK	1	0	22.49	22.62	22.53	24	0					
3	QPSK	1	8	22.46	22.52	22.40							
3	QPSK	1	14	22.36	22.47	22.41							
3	QPSK	8	0	21.51	21.61	21.42			23	1			
3	QPSK	8	4	21.41	21.53	21.44	23						
3	QPSK	8	7	21.35	21.48	21.32							
3	QPSK	15	0	21.42	21.51	21.42							
3	16QAM	1	0	21.35	21.41	21.37	23	1					
3	16QAM	1	8	21.29	21.34	21.25							
3	16QAM	1	14	21.18	21.32	21.24			22	2			
3	16QAM	8	0	20.46	20.65	20.48							
3	16QAM	8	4	20.43	20.53	20.38	22		2				
3	16QAM	8	7	20.58	20.59	20.52							
3	16QAM	15	0	20.52	20.59	20.52			22	2			
3	64QAM	1	0	20.51	20.61	20.58							
3	64QAM	1	8	20.59	20.58	20.50							
3	64QAM	1	14	20.52	20.51	20.43			21	3			
3	64QAM	8	0	19.52	19.61	19.54							
3	64QAM	8	4	19.45	19.54	19.45							
3	64QAM	8	7	19.61	19.62	19.51							
3	64QAM	15	0	19.48	19.59	19.49							
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)					
Frequency (MHz)				1850.7	1880	1909.3							
1.4	QPSK	1	0	22.56	22.62	22.55	24	0					
1.4	QPSK	1	3	22.43	22.52	22.37							
1.4	QPSK	1	5	22.40	22.45	22.54							
1.4	QPSK	3	0	22.51	22.60	22.40			23	1			
1.4	QPSK	3	1	22.39	22.45	22.36	23						
1.4	QPSK	3	3	22.42	22.49	22.44							
1.4	QPSK	6	0	21.54	21.61	21.43							
1.4	16QAM	1	0	21.39	21.47	21.50	23	1					
1.4	16QAM	1	3	21.32	21.44	21.35							
1.4	16QAM	1	5	21.46	21.45	21.37			23	2			
1.4	16QAM	3	0	21.26	21.43	21.37							
1.4	16QAM	3	1	21.34	21.43	21.25	22						
1.4	16QAM	3	3	21.18	21.34	21.18							
1.4	16QAM	6	0	20.49	20.65	20.48					22	2	
1.4	64QAM	1	0	20.54	20.67	20.60							
1.4	64QAM	1	3	20.53	20.64	20.57							
1.4	64QAM	1	5	20.45	20.60	20.52					22	2	
1.4	64QAM	3	0	20.45	20.51	20.39							
1.4	64QAM	3	1	20.53	20.60	20.42							
1.4	64QAM	3	3	20.52	20.57	20.51							
1.4	64QAM	6	0	19.55	19.57	19.47							

Band 5 Ant0 EC12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 20450	Power Middle Ch. / Freq. 20525	Power High Ch. / Freq. 20600	Tune-up limit (dBm)	MPR (dB)
Channel				829	836.5	844		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.81	22.95	22.87		
10	QPSK	1	25	22.86	22.86	22.79	24	0
10	QPSK	1	49	22.67	22.76	22.70		
10	QPSK	25	0	21.92	22.09	22.02		
10	QPSK	25	12	21.96	21.98	21.83	23	1
10	QPSK	25	25	21.85	21.89	21.87		
10	QPSK	50	0	21.90	22.04	22.00		
10	16QAM	1	0	21.87	22.00	21.88		
10	16QAM	1	25	21.88	21.95	21.78	23	1
10	16QAM	1	49	21.80	21.90	21.82		
10	16QAM	25	0	20.93	21.04	20.94		
10	16QAM	25	12	20.91	21.00	20.84	22	2
10	16QAM	25	25	20.92	20.96	20.83		
10	16QAM	50	0	20.86	20.93	20.90		
10	64QAM	1	0	21.00	21.14	20.96		
10	64QAM	1	25	20.96	21.05	20.90	22	2
10	64QAM	1	49	20.93	20.98	20.96		
10	64QAM	25	0	19.85	20.05	19.93		
10	64QAM	25	12	19.87	19.99	19.81	21	3
10	64QAM	25	25	19.85	19.94	19.92		
10	64QAM	50	0	19.80	19.85	19.88		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.71	22.89	22.83		
5	QPSK	1	12	22.82	22.75	22.70	24	0
5	QPSK	1	24	22.59	22.72	22.57		
5	QPSK	12	0	21.83	21.97	21.90		
5	QPSK	12	7	21.94	21.88	21.72	23	1
5	QPSK	12	13	21.81	21.80	21.83		
5	QPSK	25	0	21.87	21.95	21.93		
5	16QAM	1	0	21.76	21.87	21.83		
5	16QAM	1	12	21.81	21.82	21.73	23	1
5	16QAM	1	24	21.72	21.76	21.74		
5	16QAM	12	0	20.87	20.95	20.82		
5	16QAM	12	7	20.79	20.95	20.86	22	2
5	16QAM	12	13	20.84	20.88	20.73		
5	16QAM	25	0	20.72	20.84	20.84		
5	64QAM	1	0	20.94	21.05	20.88		
5	64QAM	1	12	20.87	20.93	20.87	22	2
5	64QAM	1	24	20.84	20.92	20.91		
5	64QAM	12	0	19.81	19.98	19.86		
5	64QAM	12	7	19.78	19.89	19.75	21	3
5	64QAM	12	13	19.81	19.84	19.84		
5	64QAM	25	0	19.74	19.71	19.75		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.73	22.89	22.81		
3	QPSK	1	8	22.76	22.73	22.69	24	0
3	QPSK	1	14	22.54	22.64	22.58		
3	QPSK	8	0	21.92	21.95	21.89		
3	QPSK	8	4	21.88	21.88	21.71	23	1
3	QPSK	8	7	21.75	21.77	21.78		
3	QPSK	15	0	21.83	21.91	21.94		
3	16QAM	1	0	21.78	21.88	21.82		
3	16QAM	1	8	21.83	21.86	21.68	23	1
3	16QAM	1	14	21.76	21.83	21.75		
3	16QAM	8	0	20.78	20.93	20.82		
3	16QAM	8	4	20.80	20.95	20.69	22	2
3	16QAM	8	7	20.87	20.86	20.73		
3	16QAM	15	0	20.80	20.84	20.83		
3	64QAM	1	0	20.85	21.10	20.84		
3	64QAM	1	8	20.84	20.96	20.78	22	2
3	64QAM	1	14	20.84	20.89	20.86		
3	64QAM	8	0	19.78	19.99	19.84		
3	64QAM	8	4	19.76	19.84	19.74	21	3
3	64QAM	8	7	19.71	19.80	19.84		
3	64QAM	15	0	19.75	19.75	19.74		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.77	22.87	22.84		
1.4	QPSK	1	3	22.82	22.81	22.70	24	0
1.4	QPSK	1	5	22.56	22.62	22.59		
1.4	QPSK	3	0	22.74	22.84	22.75		
1.4	QPSK	3	1	22.82	22.77	22.69		
1.4	QPSK	3	3	22.56	22.62	22.66		
1.4	QPSK	6	0	21.80	22.06	21.92	23	1
1.4	16QAM	1	0	21.87	21.94	21.76		
1.4	16QAM	1	3	21.77	21.76	21.82		
1.4	16QAM	1	5	21.79	21.93	21.94	23	1
1.4	16QAM	3	0	21.74	21.95	21.74		
1.4	16QAM	3	1	21.78	21.88	21.71		
1.4	16QAM	3	3	21.69	21.77	21.74		
1.4	16QAM	6	0	20.88	21.01	20.84	22	2
1.4	64QAM	1	0	20.82	20.90	20.75		
1.4	64QAM	1	3	20.87	20.82	20.71		
1.4	64QAM	1	5	20.78	20.87	20.78	22	2
1.4	64QAM	3	0	20.92	21.10	20.81		
1.4	64QAM	3	1	20.90	20.93	20.77		
1.4	64QAM	3	3	20.83	20.87	20.82		
1.4	64QAM	6	0	19.69	19.71	19.79	21	3

Band 12 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				704	707.5	711		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	22.59	22.68	22.64		
10	QPSK	1	25	22.55	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	21.55	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	20.48	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				23035	23095	23155	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.55	22.62	22.57		
5	QPSK	1	12	22.46	22.46	22.38	24	0
5	QPSK	1	24	22.31	22.42	22.39		
5	QPSK	12	0	21.49	21.60	21.40		
5	QPSK	12	7	21.48	21.53	21.40	23	1
5	QPSK	12	13	21.34	21.49	21.34		
5	QPSK	25	0	21.47	21.56	21.37		
5	16QAM	1	0	21.36	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	20.32	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	19.50	19.43		
5	64QAM	12	7	19.37	19.36	19.35	21	3
5	64QAM	12	13	19.34	19.43	19.36		
5	64QAM	25	0	19.32	19.50	19.46		
Channel				23025	23095	23165	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.48	22.56	22.52		
3	QPSK	1	8	22.52	22.55	22.44	24	0
3	QPSK	1	14	22.26	22.42	22.37		
3	QPSK	8	0	21.47	21.61	21.36		
3	QPSK	8	4	21.47	21.44	21.30	23	1
3	QPSK	8	7	21.33	21.43	21.36		
3	QPSK	15	0	21.46	21.44	21.37		
3	16QAM	1	0	21.38	21.45	21.35		
3	16QAM	1	8	21.28	21.33	21.35	23	1
3	16QAM	1	14	21.17	21.27	21.20		
3	16QAM	8	0	20.55	20.56	20.48		
3	16QAM	8	4	20.43	20.49	20.28	22	2
3	16QAM	8	7	20.43	20.50	20.49		
3	16QAM	15	0	20.38	20.43	20.33		
3	64QAM	1	0	20.44	20.55	20.45		
3	64QAM	1	8	20.50	20.53	20.42	22	2
3	64QAM	1	14	20.46	20.52	20.35		
3	64QAM	8	0	19.45	19.51	19.45		
3	64QAM	8	4	19.27	19.36	19.33	21	3
3	64QAM	8	7	19.35	19.46	19.28		
3	64QAM	15	0	19.36	19.42	19.40		
Channel				23017	23095	23173	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.55	22.64	22.57		
1.4	QPSK	1	3	22.44	22.47	22.45	24	0
1.4	QPSK	1	5	22.31	22.41	22.38		
1.4	QPSK	3	0	22.45	22.59	22.50		
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	21.41	21.42		
1.4	16QAM	1	5	21.21	21.41	21.41		
1.4	16QAM	3	0	21.39	21.44	21.40	23	1
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	20.46	20.36		
1.4	64QAM	3	0	20.42	20.63	20.62	22	2
1.4	64QAM	3	1	20.45	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 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				23230			Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				782					
10	QPSK	1	0		22.73		24	0	
10	QPSK	1	25		22.58				
10	QPSK	1	49		22.64				
10	QPSK	25	0		21.72		23	1	
10	QPSK	25	12		21.62				
10	QPSK	25	25		21.57				
10	QPSK	50	0		21.52		23	1	
10	16QAM	1	0		21.56				
10	16QAM	1	25		21.53				
10	16QAM	1	49		21.32		22	2	
10	16QAM	25	0		20.58				
10	16QAM	25	12		20.57				
10	16QAM	25	25		20.68		22	2	
10	16QAM	50	0		20.64				
10	64QAM	1	0		20.67		22	2	
10	64QAM	1	25		20.64				
10	64QAM	1	49		20.59				
10	64QAM	25	0		19.55		21	3	
10	64QAM	25	12		19.49				
10	64QAM	25	25		19.59				
10	64QAM	50	0		19.63		Tune-up limit (dbm)	MPR (db)	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
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	23	1	
5	QPSK	12	7	21.47	21.55	21.40			
5	QPSK	12	13	21.38	21.47	21.36			
5	QPSK	25	0	21.40	21.50	21.38	23	1	
5	16QAM	1	0	21.38	21.49	21.40			
5	16QAM	1	12	21.40	21.44	21.36			
5	16QAM	1	24	21.13	21.22	21.16	22	2	
5	16QAM	12	0	20.46	20.51	20.43			
5	16QAM	12	7	20.40	20.49	20.42			
5	16QAM	12	13	20.50	20.62	20.57	22	2	
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			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				709					
10	QPSK	1	0	22.51	22.62	22.58	24	0	
10	QPSK	1	25	22.46	22.52	22.43			
10	QPSK	1	49	22.36	22.50	22.43			
10	QPSK	25	0	21.50	21.57	21.42	23	1	
10	QPSK	25	12	21.49	21.50	21.41			
10	QPSK	25	25	21.32	21.46	21.43			
10	QPSK	50	0	21.42	21.52	21.36	23	1	
10	16QAM	1	0	21.43	21.41	21.41			
10	16QAM	1	25	21.20	21.37	21.30			
10	16QAM	1	49	21.19	21.27	21.19	22	2	
10	16QAM	25	0	20.51	20.51	20.49			
10	16QAM	25	12	20.46	20.46	20.35			
10	16QAM	25	25	20.41	20.55	20.45	22	2	
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	19.52	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				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	22.47	22.54	22.50	24	0	
5	QPSK	1	12	22.35	22.48	22.34			
5	QPSK	1	24	22.32	22.39	22.30			
5	QPSK	12	0	21.43	21.50	21.29	23	1	
5	QPSK	12	7	21.42	21.43	21.36			
5	QPSK	12	13	21.25	21.34	21.31			
5	QPSK	25	0	21.39	21.48	21.30	23	1	
5	16QAM	1	0	21.31	21.29	21.30			
5	16QAM	1	12	21.07	21.32	21.16			
5	16QAM	1	24	21.08	21.12	21.14	22	2	
5	16QAM	12	0	20.41	20.39	20.41			
5	16QAM	12	7	20.39	20.39	20.30			
5	16QAM	12	13	20.33	20.52	20.35	22	2	
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	20.36	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 25 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				26140	26340	26590			
Frequency (MHz)				1890	1890	1905			
20	QPSK	1	0	22.70	22.81	22.65	24	0	
20	QPSK	1	49	22.62	22.69	22.54			
20	QPSK	1	99	22.64	22.65	22.55			
20	QPSK	50	0	21.78	21.79	21.69			
20	QPSK	50	24	21.60	21.70	21.63	23	1	
20	QPSK	50	50	21.50	21.61	21.52			
20	QPSK	100	0	21.55	21.55	21.52			
20	16QAM	1	0	21.46	21.59	21.59			
20	16QAM	1	49	21.54	21.52	21.51	23	1	
20	16QAM	1	99	21.41	21.58	21.41			
20	16QAM	50	0	20.67	20.81	20.74			
20	16QAM	50	24	20.70	20.70	20.58			
20	16QAM	50	50	20.69	20.83	20.68	22	2	
20	16QAM	100	0	20.67	20.82	20.54			
20	64QAM	1	0	20.72	20.88	20.76			
20	64QAM	1	49	20.80	20.83	20.69			
20	64QAM	1	99	20.72	20.76	20.69	22	2	
20	64QAM	50	0	19.73	19.89	19.71			
20	64QAM	50	24	19.67	19.80	19.70			
20	64QAM	50	50	19.79	19.85	19.69			
20	64QAM	100	0	19.72	19.81	19.73	21	3	
Channel				20115	20340	20615			
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	22.59	22.73	22.55	24	0	
15	QPSK	1	37	22.57	22.64	22.40			
15	QPSK	1	74	22.50	22.62	22.49			
15	QPSK	36	0	21.74	21.76	21.60			
15	QPSK	36	20	21.51	21.60	21.57	23	1	
15	QPSK	36	39	21.46	21.57	21.44			
15	QPSK	75	0	21.44	21.54	21.40			
15	16QAM	1	0	21.33	21.48	21.49			
15	16QAM	1	37	21.41	21.39	21.46	23	1	
15	16QAM	1	74	21.29	21.45	21.30			
15	16QAM	36	0	20.60	20.69	20.70			
15	16QAM	36	20	20.56	20.55	20.52			
15	16QAM	36	39	20.55	20.79	20.61	22	2	
15	16QAM	75	0	20.60	20.75	20.55			
15	64QAM	1	0	20.59	20.83	20.70			
15	64QAM	1	37	20.72	20.77	20.57			
15	64QAM	1	74	20.61	20.65	20.65	22	2	
15	64QAM	36	0	19.65	19.79	19.65			
15	64QAM	36	20	19.53	19.75	19.60			
15	64QAM	36	39	19.75	19.81	19.65			
15	64QAM	75	0	19.63	19.76	19.67	21	3	
Channel				20090	20340	20640			
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	22.65	22.74	22.60	24	0	
10	QPSK	1	25	22.48	22.63	22.46			
10	QPSK	1	49	22.49	22.52	22.40			
10	QPSK	25	0	21.63	21.76	21.66			
10	QPSK	25	12	21.55	21.57	21.58	23	1	
10	QPSK	25	25	21.37	21.51	21.47			
10	QPSK	50	0	21.50	21.55	21.46			
10	16QAM	1	0	21.38	21.45	21.46			
10	16QAM	1	25	21.43	21.45	21.39	23	1	
10	16QAM	1	49	21.32	21.50	21.31			
10	16QAM	25	0	20.54	20.76	20.69			
10	16QAM	25	12	20.85	20.86	20.51			
10	16QAM	25	25	20.64	20.78	20.55	22	2	
10	16QAM	50	0	20.57	20.74	20.57			
10	64QAM	1	0	20.62	20.74	20.63			
10	64QAM	1	25	20.66	20.75	20.59			
10	64QAM	1	49	20.62	20.68	20.64	22	2	
10	64QAM	25	0	19.61	19.85	19.65			
10	64QAM	25	12	19.60	19.74	19.62			
10	64QAM	25	25	19.74	19.77	19.60			
10	64QAM	50	0	19.60	19.77	19.61	21	3	
Channel				20065	20340	20665			
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	22.57	22.72	22.54	24	0	
5	QPSK	1	12	22.58	22.63	22.44			
5	QPSK	1	24	22.51	22.53	22.51			
5	QPSK	12	0	21.71	21.73	21.64			
5	QPSK	12	7	21.56	21.63	21.58	23	1	
5	QPSK	12	13	21.37	21.48	21.42			
5	QPSK	25	0	21.41	21.51	21.49			
5	16QAM	1	0	21.36	21.53	21.47			
5	16QAM	1	12	21.42	21.49	21.43	23	1	
5	16QAM	1	24	21.27	21.51	21.28			
5	16QAM	12	0	20.55	20.67	20.61			
5	16QAM	12	7	20.62	20.55	20.52			
5	16QAM	12	13	20.61	20.79	20.60	22	2	
5	16QAM	25	0	20.62	20.78	20.57			
5	64QAM	1	0	20.67	20.84	20.63			
5	64QAM	1	12	20.74	20.69	20.54			
5	64QAM	1	24	20.58	20.66	20.56	22	2	
5	64QAM	12	0	19.62	19.84	19.62			
5	64QAM	12	7	19.62	19.74	19.62			
5	64QAM	12	13	19.64	19.81	19.62			
5	64QAM	25	0	19.66	19.71	19.60	21	3	
Channel				20055	20340	20675			
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	22.59	22.68	22.57	24	0	
3	QPSK	1	8	22.56	22.58	22.45			
3	QPSK	1	14	22.61	22.62	22.41			
3	QPSK	8	0	21.63	21.73	21.58			
3	QPSK	8	4	21.50	21.62	21.56	23	1	
3	QPSK	8	7	21.47	21.49	21.44			
3	QPSK	15	0	21.44	21.56	21.45			
3	16QAM	1	0	21.34	21.54	21.52			
3	16QAM	1	8	21.40	21.45	21.43	23	1	
3	16QAM	1	14	21.29	21.52	21.31			
3	16QAM	8	0	20.54	20.76	20.68			
3	16QAM	8	4	20.58	20.67	20.51			
3	16QAM	8	7	20.61	20.76	20.61	22	2	
3	16QAM	15	0	20.53	20.73	20.58			
3	64QAM	1	0	20.67	20.78	20.65			
3	64QAM	1	8	20.69	20.76	20.57			
3	64QAM	1	14	20.60	20.65	20.65	22	2	
3	64QAM	8	0	19.70	19.78	19.62			
3	64QAM	8	4	19.59	19.65	19.60			
3	64QAM	8	7	19.73	19.77	19.60			
3	64QAM	15	0	19.64	19.68	19.62	21	3	
Channel				20047	20340	20683			
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	22.62	22.73	22.55	24	0	
1.4	QPSK	1	3	22.49	22.58	22.39			
1.4	QPSK	1	5	22.50	22.57	22.46			
1.4	QPSK	3	0	22.66	22.71	22.57			
1.4	QPSK	3	1	22.51	22.57	22.43	23	1	
1.4	QPSK	3	3	22.49	22.54	22.44			
1.4	QPSK	6	0	21.69	21.75	21.64			
1.4	16QAM	1	0	21.53	21.58	21.49			
1.4	16QAM	1	3	21.39	21.57	21.48	23	1	
1.4	16QAM	1	5	21.41	21.58	21.40			
1.4	16QAM	3	0	21.39	21.49	21.45			
1.4	16QAM	3	1	21.47	21.39	21.45			
1.4	16QAM	3	3	21.28	21.50	21.37	22	2	
1.4	64QAM	1	0	20.62	20.74	20.60			
1.4	64QAM	1	3	20.66	20.76	20.59			
1.4	64QAM	1	5	20.64	20.68	20.61			
1.4	64QAM	3	0	20.63	20.77	20.73	22	2	
1.4	64QAM	3	1	20.72	20.72	20.53			
1.4	64QAM	3	3	20.60	20.69	20.64			
1.4	64QAM	6	0	19.58	19.67	19.62			

Band 66 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				13072	13232	13352	24	0	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	22.92	22.95	22.97	24	0	
20	QPSK	1	49	22.96	22.98	22.87			
20	QPSK	1	99	22.76	22.87	22.80			
20	QPSK	50	0	21.95	22.11	22.07	23	1	
20	QPSK	50	24	22.09	22.07	22.00			
20	QPSK	50	50	21.90	22.01	21.96			
20	QPSK	100	0	22.04	22.14	22.00	23	1	
20	16QAM	1	0	21.94	22.04	21.98			
20	16QAM	1	49	21.92	21.97	21.88			
20	16QAM	1	99	21.84	22.01	21.92	22	2	
20	16QAM	50	0	21.02	21.16	21.04			
20	16QAM	50	24	21.04	21.00	20.99			
20	16QAM	50	50	20.95	21.04	20.98	22	2	
20	16QAM	100	0	20.93	21.06	20.92			
20	64QAM	1	0	21.18	21.21	21.14			
20	64QAM	1	49	21.08	21.21	21.02	22	2	
20	64QAM	1	99	21.02	21.09	21.02			
20	64QAM	50	0	20.00	20.11	20.03			
20	64QAM	50	24	20.00	20.09	19.90	21	3	
20	64QAM	50	50	20.00	20.09	20.01			
20	64QAM	100	0	19.94	20.01	19.91			
Channel				132047	132322	132597	24	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.82	22.85	22.85	24	0	
15	QPSK	1	37	22.88	22.83	22.74			
15	QPSK	1	74	22.71	22.73	22.72			
15	QPSK	36	0	21.92	22.04	21.97	23	1	
15	QPSK	36	20	22.00	22.01	21.92			
15	QPSK	36	39	21.80	21.92	21.90			
15	QPSK	75	0	21.99	22.02	21.85	23	1	
15	16QAM	1	0	21.85	21.91	21.88			
15	16QAM	1	37	21.89	21.84	21.77			
15	16QAM	1	74	21.74	21.95	21.87	22	2	
15	16QAM	36	0	20.98	21.03	20.89			
15	16QAM	36	20	21.00	20.90	20.85			
15	16QAM	36	39	20.83	20.95	20.88	22	2	
15	16QAM	75	0	20.86	20.92	20.78			
15	64QAM	1	0	21.14	21.18	21.03			
15	64QAM	1	37	21.03	21.10	20.94	22	2	
15	64QAM	1	74	20.93	21.03	20.93			
15	64QAM	36	0	19.87	20.07	19.90			
15	64QAM	36	20	19.86	20.04	19.78	21	3	
15	64QAM	36	39	19.94	19.95	19.90			
15	64QAM	75	0	19.90	19.92	19.79			
Channel				132022	132322	132622	24	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.81	22.95	22.91	24	0	
10	QPSK	1	25	22.92	22.84	22.80			
10	QPSK	1	49	22.72	22.79	22.69			
10	QPSK	25	0	21.91	22.01	21.93	23	1	
10	QPSK	25	12	22.00	21.97	21.92			
10	QPSK	25	25	21.85	21.90	21.87			
10	QPSK	50	0	21.95	21.99	21.91	23	1	
10	16QAM	1	0	21.90	21.96	21.89			
10	16QAM	1	25	21.82	21.94	21.80			
10	16QAM	1	49	21.78	21.86	21.77	22	2	
10	16QAM	25	0	20.97	21.12	20.98			
10	16QAM	25	12	20.97	20.91	20.84			
10	16QAM	25	25	20.84	20.98	20.93	22	2	
10	16QAM	50	0	20.82	20.98	20.87			
10	64QAM	1	0	21.06	21.08	21.10			
10	64QAM	1	25	20.95	21.08	20.99	22	2	
10	64QAM	1	49	20.94	21.05	20.96			
10	64QAM	25	0	19.87	19.99	19.91			
10	64QAM	25	12	19.85	20.04	19.78	21	3	
10	64QAM	25	25	19.91	19.98	19.92			
10	64QAM	50	0	19.82	19.93	19.88			
Channel				131997	132322	132647	24	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.88	22.93	22.85	24	0	
5	QPSK	1	12	22.83	22.85	22.78			
5	QPSK	1	24	22.66	22.78	22.73			
5	QPSK	12	0	21.83	21.97	21.98	23	1	
5	QPSK	12	7	22.03	22.04	21.87			
5	QPSK	12	13	21.84	21.89	21.86			
5	QPSK	25	0	21.90	22.05	21.87	23	1	
5	16QAM	1	0	21.86	21.95	21.84			
5	16QAM	1	12	21.85	21.94	21.73			
5	16QAM	1	24	21.71	21.96	21.82	22	2	
5	16QAM	12	0	20.88	21.06	20.94			
5	16QAM	12	7	20.98	20.89	20.91			
5	16QAM	12	13	20.91	20.89	20.90	22	2	
5	16QAM	25	0	20.87	20.94	20.85			
5	64QAM	1	0	21.13	21.09	21.00			
5	64QAM	1	12	21.04	21.06	20.93	22	2	
5	64QAM	1	24	20.96	21.00	20.99			
5	64QAM	12	0	19.93	19.98	19.89			
5	64QAM	12	7	19.86	20.03	19.83	21	3	
5	64QAM	12	13	19.89	20.02	19.90			
5	64QAM	25	0	19.79	19.88	19.78			
Channel				131987	132322	132657	24	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	22.81	22.93	22.89	24	0	
3	QPSK	1	8	22.86	22.94	22.78			
3	QPSK	1	14	22.64	22.79	22.61			
3	QPSK	8	0	21.82	22.08	22.01	23	1	
3	QPSK	8	4	21.94	21.99	21.92			
3	QPSK	8	7	21.77	21.94	21.86			
3	QPSK	15	0	22.00	22.00	21.86	23	1	
3	16QAM	1	0	21.81	21.89	21.92			
3	16QAM	1	8	21.82	21.88	21.74			
3	16QAM	1	14	21.81	21.91	21.81	22	2	
3	16QAM	8	0	20.98	21.09	20.95			
3	16QAM	8	4	21.01	20.88	20.95			
3	16QAM	8	7	20.81	20.94	20.92	22	2	
3	16QAM	15	0	20.79	20.94	20.85			
3	64QAM	1	0	21.03	21.17	21.11			
3	64QAM	1	8	20.96	21.14	20.96	22	2	
3	64QAM	1	14	20.95	20.96	20.97			
3	64QAM	8	0	19.89	19.99	19.89			
3	64QAM	8	4	19.92	20.02	19.78	21	3	
3	64QAM	8	7	19.88	20.01	19.92			
3	64QAM	15	0	19.86	19.89	19.80			
Channel				131979	132322	132665	24	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	22.82	22.92	22.85	24	0	
1.4	QPSK	1	3	22.83	22.88	22.77			
1.4	QPSK	1	5	22.63	22.76	22.76			
1.4	QPSK	3	0	22.86	22.91	22.92	23	1	
1.4	QPSK	3	1	22.91	22.92	22.95			
1.4	QPSK	3	3	22.79	22.87	22.87			
1.4	QPSK	6	0	21.99	22.07	21.92	23	1	
1.4	16QAM	1	0	21.81	21.97	21.90			
1.4	16QAM	1	3	21.78	21.83	21.84			
1.4	16QAM	1	5	21.76	21.89	21.81	22	2	
1.4	16QAM	3	0	20.98	21.13	20.95			
1.4	16QAM	3	1	21.06	21.14	20.99			
1.4	16QAM	3	3	21.02	21.02	20.95	22	2	
1.4	64QAM	1	0	21.15	21.13	21.00			
1.4	64QAM	1	3	21.05	21.16	20.88			
1.4	64QAM	1	5	20.91	20.97	20.93	22	2	
1.4	64QAM	3	0	20.88	21.05	20.98			
1.4	64QAM	3	1	20.89	21.02	20.85			
1.4	64QAM	3	3	20.96	20.98	20.91	21	3	
1.4	64QAM	6	0	19.81	19.98	19.85			

Band 7 Ant1 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				20800	21100	21350				
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	50	0	22.76	22.91	22.77				
20	QPSK	50	24	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	21.94	22.01	21.94				
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	20.98	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	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				20805	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	21.76	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	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	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	21.86	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	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	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	20.79				
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	22	2		
5	64QAM	1	24	20.78	20.82	20.75				
5	64QAM	12	0	19.90	19.94	19.81				
5	64QAM	12	7	19.82	19.83	19.78	21	3		
5	64QAM	12	13	19.82	19.92	19.82				
5	64QAM	25	0	19.86	19.87	19.79				

Band 38 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				37850	38000	38150	24	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.78	22.88	22.81			
20	QPSK	1	49	22.74	22.77	22.72			
20	QPSK	1	99	22.69	22.75	22.83			
20	QPSK	50	0	21.73	21.87	21.67			
20	QPSK	50	24	21.63	21.73	21.63			
20	QPSK	50	50	21.55	21.72	21.63			
20	QPSK	100	0	21.63	21.75	21.69			
20	16QAM	1	0	21.78	21.85	21.84			
20	16QAM	1	49	21.80	21.81	21.79			
20	16QAM	1	99	21.86	21.73	21.86			
20	16QAM	50	0	20.86	20.93	20.86			
20	16QAM	50	24	20.81	20.80	20.72			
20	16QAM	50	50	20.80	20.82	20.81			
20	16QAM	100	0	20.68	20.86	20.68			
20	64QAM	1	0	20.80	20.87	20.88			
20	64QAM	1	49	20.72	20.75	20.69			
20	64QAM	1	99	20.62	20.69	20.64			
20	64QAM	50	0	19.81	19.90	19.83			
20	64QAM	50	24	19.68	19.82	19.64			
20	64QAM	50	50	19.76	19.82	19.77			
20	64QAM	100	0	19.69	19.94	19.66			
Channel				37825	38000	38175	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2577.5	2595	2612.5	24	0	
15	QPSK	1	0	22.69	22.84	22.73			
15	QPSK	1	37	22.67	22.66	22.58			
15	QPSK	1	74	22.60	22.64	22.54			
15	QPSK	36	0	21.82	21.74	21.81			
15	QPSK	36	20	21.57	21.59	21.58			
15	QPSK	36	39	21.46	21.59	21.56			
15	QPSK	75	0	21.52	21.70	21.54			
15	16QAM	1	0	21.75	21.79	21.73			
15	16QAM	1	37	21.66	21.77	21.68			
15	16QAM	1	74	21.61	21.61	21.61			
15	16QAM	36	0	20.80	20.89	20.75			
15	16QAM	36	20	20.76	20.88	20.63			
15	16QAM	36	39	20.76	20.72	20.77			
15	16QAM	75	0	20.54	20.78	20.56			
15	64QAM	1	0	20.74	20.74	20.60			
15	64QAM	1	37	20.67	20.67	20.59			
15	64QAM	1	74	20.57	20.56	20.60			
15	64QAM	36	0	19.75	19.85	19.69			
15	64QAM	36	20	19.65	19.71	19.54			
15	64QAM	36	39	19.65	19.70	19.72			
15	64QAM	75	0	19.59	19.79	19.60			
Channel				37800	38000	38200	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2575	2595	2615	24	0	
10	QPSK	1	0	22.66	22.81	22.70			
10	QPSK	1	25	22.65	22.68	22.64			
10	QPSK	1	49	22.54	22.69	22.61			
10	QPSK	25	0	21.67	21.78	21.63			
10	QPSK	25	12	21.50	21.59	21.55			
10	QPSK	25	25	21.50	21.68	21.56			
10	QPSK	50	0	21.53	21.81	21.65			
10	16QAM	1	0	21.63	21.81	21.80			
10	16QAM	1	25	21.75	21.69	21.67			
10	16QAM	1	49	21.53	21.66	21.58			
10	16QAM	25	0	20.76	20.87	20.71			
10	16QAM	25	12	20.75	20.86	20.60			
10	16QAM	25	25	20.69	20.71	20.76			
10	16QAM	50	0	20.56	20.79	20.59			
10	64QAM	1	0	20.70	20.82	20.59			
10	64QAM	1	25	20.60	20.69	20.59			
10	64QAM	1	49	20.57	20.62	20.59			
10	64QAM	25	0	19.88	19.78	19.77			
10	64QAM	25	12	19.54	19.68	19.53			
10	64QAM	25	25	19.65	19.68	19.68			
10	64QAM	50	0	19.62	19.75	19.55			
Channel				37775	38000	38225	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2572.5	2595	2617.5	24	0	
5	QPSK	1	0	22.72	22.84	22.74			
5	QPSK	1	12	22.69	22.67	22.67			
5	QPSK	1	24	22.57	22.71	22.68			
5	QPSK	12	0	21.65	21.78	21.53			
5	QPSK	12	7	21.55	21.65	21.58			
5	QPSK	12	13	21.46	21.64	21.50			
5	QPSK	25	0	21.55	21.85	21.64			
5	16QAM	1	0	21.70	21.74	21.71			
5	16QAM	1	12	21.70	21.70	21.66			
5	16QAM	1	24	21.59	21.58	21.61			
5	16QAM	12	0	20.76	20.87	20.74			
5	16QAM	12	7	20.72	20.73	20.64			
5	16QAM	12	13	20.74	20.69	20.72			
5	16QAM	25	0	20.54	20.76	20.59			
5	64QAM	1	0	20.68	20.84	20.59			
5	64QAM	1	12	20.60	20.64	20.56			
5	64QAM	1	24	20.49	20.63	20.54			
5	64QAM	12	0	19.69	19.78	19.72			
5	64QAM	12	7	19.55	19.76	19.54			
5	64QAM	12	13	19.71	19.78	19.69			
5	64QAM	25	0	19.60	19.72	19.56			

Band 41 Ant1 ECI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low-Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Power High-Middle Ch. / Freq.	Low Power Limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.93	22.84	22.97	22.91	22.79	24	0
20	QPSK	1	49	22.72	22.83	22.86	22.88	22.72		
20	QPSK	1	99	22.71	22.74	22.83	22.78	22.66		
20	QPSK	50	0	21.78	21.85	21.93	21.78	21.80		
20	QPSK	50	24	21.64	21.79	21.78	21.76	21.58	23	1
20	QPSK	50	50	21.72	21.61	21.87	21.72	21.71		
20	QPSK	100	0	21.87	21.77	21.91	21.81	21.71		
20	16QAM	1	0	21.93	21.94	21.97	21.94	21.82		
20	16QAM	1	49	21.84	21.86	21.88	21.92	21.77	23	1
20	16QAM	1	99	21.78	21.73	21.91	21.86	21.70		
20	16QAM	50	0	21.04	20.96	21.08	20.98	20.95		
20	16QAM	50	24	20.86	20.90	20.89	20.83	20.85		
20	16QAM	50	50	20.83	20.87	20.93	20.97	20.77	22	2
20	16QAM	100	0	20.85	20.74	20.93	20.80	20.75		
20	64QAM	1	0	20.79	20.87	20.82	20.82	20.73		
20	64QAM	1	49	20.78	20.87	20.81	20.86	20.57		
20	64QAM	1	99	20.69	20.70	20.80	20.75	20.62	22	2
20	64QAM	50	0	19.84	19.87	19.99	19.88	19.76		
20	64QAM	50	24	19.74	19.83	19.88	19.71	19.65		
20	64QAM	50	50	19.76	19.86	19.88	19.76	19.65		
20	64QAM	100	0	19.79	19.85	19.90	19.76	19.67	21	3
20	64QAM	1	0	19.72	19.83	19.86	19.66	19.57		
Channel				39725	40172	40620	41056	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.85	22.72	22.93	22.79	22.65	24	0
15	QPSK	1	37	22.57	22.72	22.74	22.81	22.63		
15	QPSK	1	74	22.60	22.68	22.69	22.68	22.62		
15	QPSK	36	0	21.69	21.80	21.79	21.66	21.71		
15	QPSK	36	20	21.59	21.75	21.73	21.67	21.43	23	1
15	QPSK	36	39	21.61	21.51	21.77	21.67	21.62		
15	QPSK	75	0	21.73	21.72	21.82	21.77	21.62		
15	16QAM	1	0	21.81	21.83	21.83	21.83	21.75		
15	16QAM	1	37	21.80	21.77	21.79	21.83	21.57	23	1
15	16QAM	1	74	21.66	21.66	21.63	21.77	21.58		
15	16QAM	36	0	20.86	20.84	21.00	20.87	20.82		
15	16QAM	36	20	20.79	20.78	20.76	20.69	20.64		
15	16QAM	36	39	20.73	20.87	20.79	20.90	20.68	22	2
15	16QAM	75	0	20.80	20.87	20.79	20.72	20.68		
15	64QAM	1	0	20.72	20.72	20.86	20.78	20.61		
15	64QAM	1	37	20.71	20.60	20.68	20.78	20.55		
15	64QAM	1	74	20.61	20.58	20.68	20.61	20.58	22	2
15	64QAM	36	0	19.84	19.81	19.86	19.83	19.65		
15	64QAM	36	20	19.63	19.69	19.73	19.65	19.55		
15	64QAM	36	39	19.65	19.77	19.75	19.71	19.53		
15	64QAM	75	0	19.76	19.72	19.80	19.66	19.59	21	3
Channel				39700	40160	40620	41060	41540		
Frequency (MHz)				2498.5	2543.3	2593	2642.3	2687.5		
10	QPSK	1	0	22.85	22.71	22.88	22.80	22.70		
10	QPSK	1	25	22.66	22.78	22.75	22.82	22.68		
10	QPSK	1	49	22.66	22.62	22.75	22.67	22.62		
10	QPSK	25	0	21.69	21.77	21.88	21.62	21.73		
10	QPSK	25	12	21.52	21.70	21.68	21.66	21.71	23	1
10	QPSK	25	25	21.64	21.50	21.74	21.63	21.69		
10	QPSK	50	0	21.79	21.70	21.86	21.73	21.68		
10	16QAM	1	0	21.88	21.81	21.82	21.85	21.69		
10	16QAM	1	25	21.79	21.74	21.80	21.89	21.64	23	1
10	16QAM	1	49	21.75	21.63	21.76	21.71	21.66		
10	16QAM	25	0	20.91	20.84	20.98	20.90	20.91		
10	16QAM	25	12	20.80	20.75	20.77	20.72	20.76		
10	16QAM	25	25	20.76	20.85	20.81	20.93	20.68	22	2
10	16QAM	50	0	20.78	20.63	20.79	20.69	20.62		
10	64QAM	1	0	20.67	20.78	20.84	20.73	20.66		
10	64QAM	1	25	20.67	20.78	20.71	20.71	20.52		
10	64QAM	1	49	20.55	20.64	20.67	20.67	20.51	22	2
10	64QAM	25	0	19.82	19.75	19.85	19.82	19.67		
10	64QAM	25	12	19.64	19.68	19.84	19.61	19.58		
10	64QAM	25	25	19.65	19.74	19.75	19.70	19.59		
10	64QAM	50	0	19.66	19.76	19.77	19.71	19.62	21	3
Channel				39675 <th>40148<th>40620<th>41093<th>41565</th></th></th></th>	40148 <th>40620<th>41093<th>41565</th></th></th>	40620 <th>41093<th>41565</th></th>	41093 <th>41565</th>	41565		
Frequency (MHz)				2495.5	2543.3	2593	2642.3	2687.5		
5	QPSK	1	0	22.19	22.73	22.89	22.80	22.71		
5	QPSK	1	12	22.61	22.77	22.82	22.76	22.69		
5	QPSK	1	24	22.63	22.60	22.78	22.70	22.61		
5	QPSK	12	0	21.73	21.73	21.89	21.65	21.73		
5	QPSK	12	7	21.60	21.68	21.65	21.65	21.56	23	1
5	QPSK	12	13	21.63	21.52	21.80	21.63	21.67		
5	QPSK	25	0	21.82	21.68	21.81	21.71	21.69		
5	16QAM	1	0	21.84	21.86	21.90	21.85	21.72		
5	16QAM	1	12	21.76	21.74	21.84	21.85	21.67	23	1
5	16QAM	1	24	21.71	21.59	21.76	21.82	21.58		
5	16QAM	12	0	20.97	20.87	20.98	20.89	20.89		
5	16QAM	12	7	20.75	20.79	20.81	20.68	20.67		
5	16QAM	25	13	20.79	20.92	20.84	20.84	20.70	22	2
5	16QAM	25	0	20.76	20.67	20.80	20.72	20.67		
5	64QAM	1	0	20.69	20.80	20.78	20.74	20.65		
5	64QAM	1	12	20.70	20.82	20.72	20.72	20.51		
5	64QAM	1	24	20.60	20.57	20.70	20.66	20.55	22	2
5	64QAM	12	0	19.89	19.77	19.85	19.78	19.68		
5	64QAM	12	7	19.69	19.75	19.84	19.57	19.62		
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57	21	3
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57		

Band 2 Ant4 EC12													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)					
				Ch. / Free	Ch. / Free	Ch. / Free							
				19700	19800	19100							
Channel													
Frequency (MHz)							1880	1880	1900				
20	QPSK	1	0	16.64	16.67	16.58	18	0					
20	QPSK	1	49	16.55	16.60	16.64							
20	QPSK	1	99	16.47	16.45	16.58							
20	QPSK	50	0	16.62	16.64	16.60	18	0					
20	QPSK	50	24	16.35	16.60	16.33							
20	QPSK	50	50	16.47	16.59	16.41							
20	QPSK	100	0	16.57	16.57	16.59	18	0					
20	16QAM	1	0	16.49	16.47	16.41							
20	16QAM	1	49	16.46	16.60	16.46							
20	16QAM	1	99	16.42	16.42	16.42	18	0					
20	16QAM	50	0	16.49	16.48	16.46							
20	16QAM	50	24	16.42	16.55	16.49							
20	16QAM	50	50	16.52	16.42	16.44	18	0					
20	16QAM	100	0	16.43	16.50	16.31							
20	64QAM	1	0	16.54	16.55	16.34							
20	64QAM	1	49	16.41	16.52	16.42	18	0					
20	64QAM	1	99	16.49	16.44	16.43							
20	64QAM	50	0	16.45	16.58	16.45							
20	64QAM	50	24	16.50	16.49	16.42	18	0					
20	64QAM	50	50	16.49	16.53	16.39							
20	64QAM	100	0	16.44	16.60	16.53							
Channel							1887.5	18900	19125				
Frequency (MHz)							1887.5	1880	1902.5				
15	QPSK	1	0	16.62	16.54	16.46	18	0					
15	QPSK	1	37	16.36	16.41	16.52							
15	QPSK	1	74	16.37	16.33	16.54							
15	QPSK	36	0	16.56	16.51	16.40	18	0					
15	QPSK	36	20	16.24	16.49	16.31							
15	QPSK	36	39	16.38	16.59	16.34							
15	QPSK	75	0	16.49	16.56	16.48	18	0					
15	16QAM	1	0	16.40	16.29	16.27							
15	16QAM	1	37	16.35	16.45	16.30							
15	16QAM	1	74	16.39	16.37	16.37	18	0					
15	16QAM	36	0	16.37	16.37	16.32							
15	16QAM	36	20	16.36	16.46	16.35							
15	16QAM	36	39	16.45	16.26	16.35	18	0					
15	16QAM	75	0	16.30	16.35	16.12							
15	64QAM	1	0	16.42	16.44	16.17							
15	64QAM	1	37	16.38	16.43	16.22	18	0					
15	64QAM	1	74	16.45	16.42	16.32							
15	64QAM	36	0	16.27	16.48	16.44							
15	64QAM	36	20	16.39	16.37	16.28	18	0					
15	64QAM	36	39	16.45	16.37	16.35							
15	64QAM	75	0	16.34	16.55	16.50							
Channel							18850	18900	19150				
Frequency (MHz)							1855	1880	1905				
10	QPSK	1	0	16.46	16.60	16.57	18	0					
10	QPSK	1	25	16.36	16.48	16.51							
10	QPSK	1	49	16.32	16.34	16.46							
10	QPSK	25	0	16.47	16.54	16.54	18	0					
10	QPSK	25	12	16.31	16.56	16.30							
10	QPSK	25	25	16.41	16.40	16.29							
10	QPSK	50	0	16.37	16.61	16.48	18	0					
10	16QAM	1	0	16.40	16.45	16.36							
10	16QAM	1	25	16.41	16.41	16.43							
10	16QAM	1	49	16.39	16.22	16.27	18	0					
10	16QAM	25	0	16.37	16.31	16.31							
10	16QAM	25	12	16.33	16.41	16.30							
10	16QAM	25	25	16.43	16.22	16.32	18	0					
10	16QAM	50	0	16.37	16.48	16.25							
10	64QAM	1	0	16.39	16.35	16.24							
10	64QAM	1	25	16.31	16.49	16.23	18	0					
10	64QAM	1	49	16.40	16.33	16.37							
10	64QAM	25	0	16.25	16.39	16.29							
10	64QAM	25	12	16.40	16.45	16.41	18	0					
10	64QAM	25	25	16.46	16.39	16.36							
10	64QAM	50	0	16.44	16.41	16.38							
Channel							18825	18900	19175				
Frequency (MHz)							1852.5	1880	1907.5				
5	QPSK	1	0	16.46	16.50	16.52	18	0					
5	QPSK	1	12	16.48	16.54	16.51							
5	QPSK	1	24	16.29	16.42	16.45							
5	QPSK	12	0	16.44	16.44	16.53	18	0					
5	QPSK	12	7	16.19	16.41	16.28							
5	QPSK	12	13	16.41	16.45	16.32							
5	QPSK	25	0	16.54	16.51	16.53	18	0					
5	16QAM	1	0	16.34	16.33	16.35							
5	16QAM	1	12	16.46	16.50	16.45							
5	16QAM	1	24	16.39	16.26	16.23	18	0					
5	16QAM	12	0	16.34	16.41	16.34							
5	16QAM	12	7	16.41	16.48	16.45							
5	16QAM	12	13	16.42	16.37	16.44	18	0					
5	16QAM	25	0	16.24	16.32	16.18							
5	64QAM	1	0	16.34	16.45	16.18							
5	64QAM	1	12	16.23	16.51	16.29	18	0					
5	64QAM	1	24	16.38	16.30	16.29							
5	64QAM	12	0	16.30	16.42	16.37	18	0					
5	64QAM	12	7	16.50	16.42	16.39							
5	64QAM	12	13	16.35	16.50	16.26							
5	64QAM	25	0	16.34	16.54	16.50	18	0					
Channel							18815	18900	19185				
Frequency (MHz)							1851.5	1880	1906.5				
3	QPSK	1	0	16.54	16.57	16.49	18	0					
3	QPSK	1	8	16.50	16.40	16.53							
3	QPSK	1	14	16.30	16.37	16.48							
3	QPSK	8	0	16.60	16.62	16.41	18	0					
3	QPSK	8	4	16.26	16.43	16.32							
3	QPSK	8	7	16.41	16.48	16.38							
3	QPSK	15	0	16.53	16.58	16.56	18	0					
3	16QAM	1	0	16.38	16.31	16.24							
3	16QAM	1	8	16.43	16.43	16.43							
3	16QAM	1	14	16.34	16.24	16.26	18	0					
3	16QAM	8	0	16.33	16.46	16.38							
3	16QAM	8	4	16.23	16.46	16.40							
3	16QAM	8	7	16.43	16.27	16.30	18	0					
3	16QAM	15	0	16.39	16.38	16.15							
3	64QAM	1	0	16.52	16.48	16.31							
3	64QAM	1	8	16.26	16.43	16.30	18	0					
3	64QAM	1	14	16.40	16.36	16.26							
3	64QAM	8	0	16.32	16.51	16.40	18	0					
3	64QAM	8	4	16.34	16.37	16.34							
3	64QAM	8	7	16.42	16.33	16.29							
3	64QAM	15	0	16.28	16.51	16.47	18	0					
Channel							18807	18900	19193				
Frequency (MHz)							1807.7	1880	1900.3				
1.4	QPSK	1	0	16.58	16.65	16.42	18	0					
1.4	QPSK	1	5	16.33	16.29	16.56							
1.4	QPSK	3	0	16.58	16.46	16.54							
1.4	QPSK	3	1	16.16	16.45	16.32	18	0					
1.4	QPSK	3	3	16.35	16.56	16.34							
1.4	QPSK	6	0	16.55	16.59	16.46							
1.4	16QAM	1	0	16.32	16.37	16.29	18	0					
1.4	16QAM	1	3	16.33	16.59	16.27							
1.4	16QAM	1	5	16.41	16.28	16.24							
1.4	16QAM	3	0	16.42	16.46	16.38	18	0					
1.4	16QAM	3	1	16.27	16.43	16.32							
1.4	16QAM	3	3	16.36	16.34	16.41							
1.4	16QAM	6	0	16.25	16.48	16.14	18	0					
1.4	64QAM	1	0	16.50	16.50	16.34							
1.4	64QAM	1	3	16.27	16.40	16.28	18	0					
1.4	64QAM	1	5	16.30	16.35	16.36							
1.4	64QAM	3	0	16.31	16.57	16.41							
1.4	64QAM	3	1	16.40	16.40	16.40	18	0					
1.4	64QAM	3	3	16.31	16.34	16.28							
1.4	64QAM	6	0	16.41	16.53	16.40	18	0					

Band 5 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.93	21.96	21.79	22.5	0	
10	QPSK	1	25	21.89	21.88	21.75			
10	QPSK	1	49	21.64	21.83	21.85			
10	QPSK	25	0	20.80	21.01	20.91			
10	QPSK	25	12	20.75	20.95	20.96	21.5	1	
10	QPSK	25	25	20.72	20.90	20.90			
10	QPSK	50	0	20.75	20.93	20.88			
10	16QAM	1	0	20.91	20.96	20.96			
10	16QAM	1	25	20.76	20.90	20.91	21.5	1	
10	16QAM	1	49	20.73	20.86	20.76			
10	16QAM	25	0	19.84	19.98	19.89			
10	16QAM	25	12	19.90	19.90	19.88			
10	16QAM	25	25	19.96	19.94	19.92	20.5	2	
10	16QAM	50	0	19.69	19.90	19.78			
10	64QAM	1	0	19.74	19.92	19.78			
10	64QAM	1	25	19.84	19.86	19.76			
10	64QAM	1	49	19.76	19.82	19.81	20.5	2	
10	64QAM	25	0	18.81	18.92	18.89			
10	64QAM	25	12	18.78	18.83	18.79			
10	64QAM	25	25	18.80	18.80	18.85			
10	64QAM	50	0	18.80	18.87	18.85	19.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.84	21.91	21.71	22.5	0	
5	QPSK	1	12	21.75	21.82	21.75			
5	QPSK	1	24	21.47	21.84	21.81			
5	QPSK	12	0	20.68	20.87	20.75			
5	QPSK	12	7	20.66	20.90	20.90	21.5	1	
5	QPSK	12	13	20.61	20.69	20.85			
5	QPSK	25	0	20.75	20.79	20.74			
5	16QAM	1	0	20.73	20.82	20.75			
5	16QAM	1	12	20.71	20.92	20.85	21.5	1	
5	16QAM	1	24	20.55	20.67	20.71			
5	16QAM	12	0	19.81	19.96	19.85			
5	16QAM	12	7	19.79	19.76	19.87			
5	16QAM	12	13	19.76	19.90	19.81	20.5	2	
5	16QAM	25	0	19.61	19.70	19.68			
5	64QAM	1	0	19.63	19.90	19.80			
5	64QAM	1	12	19.82	19.73	19.64			
5	64QAM	1	24	19.77	19.61	19.61	20.5	2	
5	64QAM	12	0	18.82	18.73	18.84			
5	64QAM	12	7	18.59	18.62	18.71			
5	64QAM	12	13	18.72	18.67	18.77			
5	64QAM	25	0	18.75	18.83	18.65	19.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.93	21.76	21.60	22.5	0	
3	QPSK	1	8	21.74	21.67	21.67			
3	QPSK	1	14	21.56	21.72	21.77			
3	QPSK	8	0	20.93	21.02	20.93			
3	QPSK	8	4	20.71	20.82	20.81	21.5	1	
3	QPSK	8	7	20.65	20.72	20.81			
3	QPSK	15	0	20.73	20.86	20.87			
3	16QAM	1	0	20.83	20.86	20.79			
3	16QAM	1	8	20.60	20.89	20.80	21.5	1	
3	16QAM	1	14	20.64	20.79	20.77			
3	16QAM	8	0	19.91	19.97	19.71			
3	16QAM	8	4	19.76	19.72	19.71			
3	16QAM	8	7	19.90	19.79	19.75	20.5	2	
3	16QAM	15	0	19.50	19.76	19.70			
3	64QAM	1	0	19.76	19.70	19.75			
3	64QAM	1	8	19.64	19.87	19.75			
3	64QAM	1	14	19.71	19.73	19.70	20.5	2	
3	64QAM	8	0	18.60	18.80	18.82			
3	64QAM	8	4	18.62	18.78	18.61			
3	64QAM	8	7	18.71	18.77	18.79			
3	64QAM	15	0	18.60	18.80	18.83	19.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.82	21.87	21.64	22.5	0	
1.4	QPSK	1	3	21.85	21.84	21.56			
1.4	QPSK	1	5	21.59	21.72	21.82			
1.4	QPSK	3	0	21.78	21.80	21.67			
1.4	QPSK	3	1	21.44	21.71	21.73	21.5	1	
1.4	QPSK	3	3	21.55	21.52	21.56			
1.4	QPSK	6	0	20.54	20.91	20.73			
1.4	16QAM	1	0	20.91	20.81	20.79			
1.4	16QAM	1	3	20.72	20.77	20.71	21.5	1	
1.4	16QAM	1	5	20.60	20.78	20.74			
1.4	16QAM	3	0	20.89	20.85	20.97			
1.4	16QAM	3	1	20.67	20.90	20.93			
1.4	16QAM	3	3	20.63	20.82	20.67	20.5	2	
1.4	16QAM	6	0	19.64	19.70	19.60			
1.4	64QAM	1	0	19.75	19.79	19.71			
1.4	64QAM	1	3	19.64	19.73	19.70			
1.4	64QAM	1	5	19.77	19.62	19.61	20.5	2	
1.4	64QAM	3	0	19.69	19.85	19.58			
1.4	64QAM	3	1	19.63	19.78	19.58			
1.4	64QAM	3	3	19.72	19.83	19.75			
1.4	64QAM	6	0	18.63	18.72	18.71	19.5	3	

Band 66 Ant4 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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	19.95	19.96	19.93	20.5	0	
20	QPSK	1	49	19.82	19.88	19.87			
20	QPSK	1	99	19.86	19.94	19.78			
20	QPSK	50	0	19.93	19.97	19.96			
20	QPSK	50	24	19.68	19.94	19.95	20.5	0	
20	QPSK	50	50	19.76	19.90	19.93			
20	QPSK	100	0	19.91	19.95	19.80			
20	16QAM	1	0	19.81	19.90	19.72			
20	16QAM	1	49	19.82	19.80	19.97	20.5	0	
20	16QAM	1	99	19.90	19.81	19.87			
20	16QAM	50	0	18.89	18.87	18.96			
20	16QAM	50	24	18.68	18.90	18.74			
20	16QAM	50	50	18.76	18.93	18.93	19.5	1	
20	16QAM	100	0	18.82	18.95	18.76			
20	64QAM	1	0	18.65	18.67	18.61			
20	64QAM	1	49	18.62	18.64	18.61			
20	64QAM	1	99	18.45	18.68	18.57	19.5	1	
20	64QAM	50	0	17.88	17.94	17.74			
20	64QAM	50	24	17.81	17.89	17.82			
20	64QAM	50	50	17.83	17.86	17.83			
20	64QAM	100	0	17.92	17.92	17.80	18.5	2	
Channel				132047	132322	132697			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	19.85	19.98	19.77			
15	QPSK	1	37	19.76	19.70	19.68			
15	QPSK	1	74	19.66	19.75	19.66			
15	QPSK	36	0	19.78	19.79	19.81			
15	QPSK	36	20	19.52	19.96	19.79	20.5	0	
15	QPSK	36	39	19.74	19.89	19.68			
15	QPSK	75	0	19.90	19.94	19.68			
15	16QAM	1	0	19.77	19.78	19.67			
15	16QAM	1	37	19.72	19.65	19.83	20.5	0	
15	16QAM	1	74	19.74	19.78	19.79			
15	16QAM	36	0	18.75	18.96	18.86			
15	16QAM	36	20	18.75	18.82	18.69			
15	16QAM	36	39	18.64	18.86	18.86	19.5	1	
15	16QAM	75	0	18.73	18.87	18.68			
15	64QAM	1	0	18.54	18.56	18.54			
15	64QAM	1	37	18.56	18.57	18.47			
15	64QAM	1	74	18.36	18.59	18.49	19.5	1	
15	64QAM	36	0	17.81	17.82	17.61			
15	64QAM	36	20	17.68	17.76	17.79			
15	64QAM	36	39	17.72	17.77	17.75			
15	64QAM	75	0	17.78	17.79	17.67	18.5	2	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	19.84	19.97	19.81			
10	QPSK	1	25	19.81	19.81	19.74			
10	QPSK	1	49	19.69	19.89	19.70			
10	QPSK	25	0	19.90	19.95	19.86			
10	QPSK	25	12	19.53	19.96	19.79	20.5	0	
10	QPSK	25	25	19.57	19.71	19.64			
10	QPSK	50	0	19.80	19.75	19.62			
10	16QAM	1	0	19.70	19.84	19.55			
10	16QAM	1	25	19.73	19.71	19.92	20.5	0	
10	16QAM	1	49	19.75	19.72	19.82			
10	16QAM	25	0	18.71	18.91	19.76			
10	16QAM	25	12	18.64	18.76	18.60			
10	16QAM	25	25	18.48	18.78	18.61	19.5	1	
10	16QAM	50	0	18.66	18.83	18.59			
10	64QAM	1	0	18.44	18.41	18.47			
10	64QAM	1	25	18.49	18.50	18.40			
10	64QAM	1	49	18.32	18.53	18.41	19.5	1	
10	64QAM	25	0	17.77	17.67	17.75			
10	64QAM	25	12	17.52	17.68	17.57			
10	64QAM	25	25	17.54	17.70	17.61			
10	64QAM	50	0	17.63	17.74	17.52	18.5	2	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	19.85	19.95	19.85			
5	QPSK	1	12	19.66	19.80	19.78			
5	QPSK	1	24	19.80	19.81	19.69			
5	QPSK	12	0	19.78	19.78	19.89			
5	QPSK	12	7	19.54	19.86	19.79	20.5	0	
5	QPSK	12	13	19.62	19.72	19.59			
5	QPSK	25	0	19.76	19.86	19.77			
5	16QAM	1	0	19.80	19.83	19.68			
5	16QAM	1	12	19.64	19.81	19.88	20.5	0	
5	16QAM	1	24	19.90	19.78	19.81			
5	16QAM	12	0	18.65	18.67	18.80			
5	16QAM	12	7	18.66	18.76	18.81			
5	16QAM	12	13	18.48	18.72	18.84	19.5	1	
5	16QAM	25	0	18.60	18.74	18.56			
5	64QAM	1	0	18.49	18.45	18.42			
5	64QAM	1	12	18.50	18.53	18.33			
5	64QAM	1	24	18.26	18.47	18.38	19.5	1	
5	64QAM	12	0	17.66	17.74	17.55			
5	64QAM	12	7	17.66	17.70	17.61			
5	64QAM	12	13	17.67	17.74	17.57			
5	64QAM	25	0	17.64	17.68	17.61	18.5	2	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1775.5			
3	QPSK	1	0	19.77	19.85	19.74			
3	QPSK	1	8	19.74	19.70	19.81			
3	QPSK	1	14	19.67	19.83	19.63			
3	QPSK	8	0	19.77	19.84	19.82			
3	QPSK	8	4	19.62	19.82	19.77	20.5	0	
3	QPSK	8	7	19.65	19.81	19.62			
3	QPSK	15	0	19.87	19.94	19.72			
3	16QAM	1	0	19.68	19.83	19.52			
3	16QAM	1	8	19.71	19.72	19.81	20.5	0	
3	16QAM	1	14	19.74	19.68	19.84			
3	16QAM	8	0	19.76	19.81	19.78			
3	16QAM	8	4	18.65	18.76	18.65			
3	16QAM	8	7	18.60	18.69	18.75	19.5	1	
3	16QAM	15	0	18.69	18.74	18.63			
3	64QAM	1	0	18.44	18.46	18.47			
3	64QAM	1	8	18.49	18.50	18.33			
3	64QAM	1	14	18.24	18.55	18.40	19.5	1	
3	64QAM	8	0	17.76	17.79	17.62			
3	64QAM	8	4	17.58	17.73	17.73			
3	64QAM	8	7	17.58	17.65	17.72			
3	64QAM	15	0	17.68	17.67	17.63	18.5	2	
Channel				131977	132322	132656			
Frequency (MHz)				1710.7	1745	1777.3			
1.4	QPSK	1	0	19.77	19.89	19.86			
1.4	QPSK	1	3	19.78	19.81	19.85			
1.4	QPSK	1	6	19.77	19.90	19.69			
1.4	QPSK	3	0	19.77	19.84	19.85			
1.4	QPSK	3	1	19.53	19.81	19.90	20.5	0	
1.4	QPSK	3	3	19.76	19.96	19.69			
1.4	QPSK	6	0	19.72	19.94	19.75			
1.4	16QAM	1	0	19.72	19.75	19.57			
1.4	16QAM	1	3	19.76	19.77	19.83	20.5	0	
1.4	16QAM	1	6	19.74	19.81	19.78			
1.4	16QAM	3	0	19.81	19.81	19.75			
1.4	16QAM	3	1	19.92	19.82	19.85			
1.4	16QAM	3	3	19.68	19.88	19.84	19.5	1	
1.4	16QAM	6	0	18.67	18.85	18.72			
1.4	64QAM	1	0	17.69	17.72	17.69			
1.4	64QAM	1	3	17.53	17.67	17.74			
1.4	64QAM	1	6	17.52	17.68	17.61	19.5	1	
1.4	64QAM	3	0	18.48	18.48	18.46			
1.4	64QAM	3	1	18.46	18.54	18.32			
1.4	64QAM	3	3	18.25	18.46	18.39			
1.4	64QAM	6	0	17.69	17.78	17.53	18.5	2	

Band 42 FCC Part27Q 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				42190	42590	42990	17.5	0	
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	15.93	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	15.90	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	42590	43015	17.5	0	
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	15.69			
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	42590	43065	17.5	0	
Frequency (MHz)				3465	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	15.76	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	42590	43065	17.5	0	
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	15.76	15.81	15.68			
5	64QAM	25	0	15.75	15.85	15.70			

ECI3 Power

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

		GSM1900 Ant0 ECI3						
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)		
		512	661	810		512	661	810
TX Channel		1850.2	1880	1909.8		1850.2	1880	1909.8
Frequency (MHz)		22.69	22.72	22.46	23.50	13.69	13.72	13.46
GSM 1 Tx slot		22.70	22.73	22.62	23.50	13.70	13.73	13.62
GPRS 1 Tx slot		21.65	21.78	21.61	22.50	15.65	15.78	15.61
GPRS 2 Tx slots		19.57	19.62	19.47	20.50	15.31	15.36	15.21
GPRS 3 Tx slots		18.46	18.50	18.30	19.50	15.46	15.50	15.30
EDGE 1 Tx slot		22.56	22.45	22.38	23.50	13.56	13.45	13.38
EDGE 2 Tx slots		21.41	21.03	21.05	22.00	15.41	15.03	15.05
EDGE 3 Tx slots		19.40	19.36	19.23	20.00	15.14	15.10	14.97
EDGE 4 Tx slots		18.06	18.30	18.12	19.00	15.06	15.30	15.12

		WCDMA II Ant0 ECI3			WCDMA IV Ant0 ECI3			WCDMA V Ant0 ECI3					
Band	TX Channel	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tuneup Limit (dBm)
	9262	9400	9538	1312		1413	1513	4132		4182	4233		
	Rx Channel	9682	9800	9938		1537	1638	1738		4367	4407	4458	
	Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		4504	4534	4566	
3GPP Rel 99	AMR 12.2Kbps	15.68	15.73	15.70	17.00	16.69	16.73	16.70	18.00	21.63	21.68	21.67	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	20.95	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	14.94	15.06	15.04	16.50	20.12	20.26	20.18	21.50
3GPP Rel 6	HSUPA Subtest-1	14.61	14.76	14.63	16.00	15.65	15.66	15.69	17.00	20.74	20.84	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	13.59	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	20.78	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

WCDMA V Ant0 ECI3				
WCDMA V				Tuneup Limit (dBm)
4132	4182	4233		
4357	4407	4458		
826.4	836.4	846.6		
21.83	21.98	21.87		23.00
21.85	21.92	21.89		23.00
20.90	20.85	20.84		22.00
20.81	20.81	20.84		22.00
20.32	20.27	20.32		21.50
20.12	20.20	20.23		21.50
20.91	20.73	20.79		22.00
20.69	20.82	20.76		22.00
20.19	20.28	20.29		21.50
20.12	20.18	20.18		21.50
20.74	20.64	20.76		22.00
18.78	18.84	18.88		20.00
20.03	19.95	19.92		21.00
18.77	18.74	18.73		20.00
20.76	20.92	20.86		22.00
18.29	18.60	18.35		19.50

Band 2 Ant0 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				1860	1880	1900				
Frequency (MHz)				15.27	15.31	15.26				
20	QPSK	1	0	15.27	15.31	15.26	16.5	0		
20	QPSK	1	49	15.00	15.00	15.04				
20	QPSK	1	99	15.03	15.04	15.09				
20	QPSK	50	0	15.06	15.12	15.04	16.5	0		
20	QPSK	50	24	15.04	15.01	15.01				
20	QPSK	50	50	15.09	15.01	15.03				
20	QPSK	100	0	15.03	15.10	15.09	16.5	0		
20	16QAM	1	0	15.12	15.11	15.01				
20	16QAM	1	49	15.03	15.08	15.01				
20	16QAM	1	99	15.05	15.10	15.10	16.5	0		
20	16QAM	50	0	15.05	15.04	15.00				
20	16QAM	50	24	15.00	15.02	15.00				
20	16QAM	50	50	15.12	15.12	15.09	16.5	0		
20	16QAM	100	0	15.09	15.03	15.04				
20	64QAM	1	0	15.11	15.09	15.00	16.5	0		
20	64QAM	1	49	15.12	15.04	15.01				
20	64QAM	1	99	15.05	15.02	15.02				
20	64QAM	50	0	15.00	15.00	15.03	16.5	0		
20	64QAM	50	24	15.01	15.00	15.05				
20	64QAM	50	50	15.06	15.07	15.07				
20	64QAM	100	0	15.11	15.12	15.07				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	15.07	14.98	15.00	16.5	0		
15	QPSK	1	37	14.80	14.83	14.93				
15	QPSK	1	74	14.90	14.93	15.02				
15	QPSK	36	0	15.04	15.04	14.87	16.5	0		
15	QPSK	36	20	14.84	14.89	14.93				
15	QPSK	36	36	14.91	14.92	14.97				
15	QPSK	75	0	14.95	14.93	15.04	16.5	0		
15	16QAM	1	0	15.00	15.04	14.90				
15	16QAM	1	37	14.99	14.97	14.95				
15	16QAM	1	74	14.88	14.93	14.99	16.5	0		
15	16QAM	36	0	15.03	14.95	14.87				
15	16QAM	36	20	14.99	14.87	14.94				
15	16QAM	36	36	15.01	14.92	14.97	16.5	0		
15	16QAM	75	0	14.95	15.01	14.94				
15	64QAM	1	0	15.05	14.96	14.95	16.5	0		
15	64QAM	1	37	14.94	14.99	14.93				
15	64QAM	1	74	14.99	14.92	14.86				
15	64QAM	36	0	14.96	14.92	14.95	16.5	0		
15	64QAM	36	20	14.83	14.86	14.88				
15	64QAM	36	36	14.97	14.94	14.98				
15	64QAM	75	0	14.97	15.06	15.05				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	15.09	15.01	14.91	16.5	0		
10	QPSK	1	25	14.93	14.95	14.91				
10	QPSK	1	49	14.96	14.97	14.92				
10	QPSK	25	0	15.03	14.97	14.92	16.5	0		
10	QPSK	25	12	14.92	14.81	14.88				
10	QPSK	25	25	14.95	14.96	14.96				
10	QPSK	50	0	14.93	14.98	15.06	16.5	0		
10	16QAM	1	0	14.96	14.94	14.86				
10	16QAM	1	25	14.85	15.02	14.81				
10	16QAM	1	49	15.00	14.98	15.05	16.5	0		
10	16QAM	25	0	14.97	14.96	14.98				
10	16QAM	25	12	14.95	15.00	14.98				
10	16QAM	25	25	14.93	15.00	15.01	16.5	0		
10	16QAM	50	0	14.98	14.88	15.00				
10	64QAM	1	0	14.93	14.91	14.92	16.5	0		
10	64QAM	1	25	14.94	14.94	14.90				
10	64QAM	1	49	15.05	14.84	14.85				
10	64QAM	25	0	14.87	14.98	14.94	16.5	0		
10	64QAM	25	12	14.91	14.90	14.96				
10	64QAM	25	25	14.87	14.97	14.96				
10	64QAM	50	0	14.99	15.07	14.91				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	15.08	15.08	14.94	16.5	0		
5	QPSK	1	12	14.98	14.85	15.02				
5	QPSK	1	24	14.98	15.03	14.96				
5	QPSK	12	0	15.05	15.06	14.99	16.5	0		
5	QPSK	12	7	14.89	14.88	14.84				
5	QPSK	12	13	14.98	14.97	15.02				
5	QPSK	25	0	15.00	14.94	14.95	16.5	0		
5	16QAM	1	0	15.06	15.05	14.87				
5	16QAM	1	12	14.95	14.93	14.86				
5	16QAM	1	24	14.98	15.04	15.00	16.5	0		
5	16QAM	12	0	14.89	14.86	14.96				
5	16QAM	12	7	14.80	14.85	14.98				
5	16QAM	12	13	15.09	15.05	15.07	16.5	0		
5	16QAM	25	0	14.91	14.98	14.89				
5	64QAM	1	0	14.94	14.89	14.91	16.5	0		
5	64QAM	1	12	14.96	15.00	14.96				
5	64QAM	1	24	14.86	14.88	14.96				
5	64QAM	12	0	14.89	14.84	14.96	16.5	0		
5	64QAM	12	7	14.87	14.89	14.99				
5	64QAM	12	13	15.04	14.93	14.98				
5	64QAM	25	0	14.95	15.07	14.96				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	14.91	15.09	14.90	16.5	0		
3	QPSK	1	8	14.85	14.91	14.98				
3	QPSK	1	14	14.86	14.91	14.99				
3	QPSK	8	0	14.98	15.03	14.90	16.5	0		
3	QPSK	8	4	14.85	14.86	14.82				
3	QPSK	8	7	14.93	14.99	15.01				
3	QPSK	15	0	14.96	15.04	14.92	16.5	0		
3	16QAM	1	0	15.11	14.97	14.92				
3	16QAM	1	8	14.87	14.96	14.97				
3	16QAM	1	14	14.99	15.01	15.01	16.5	0		
3	16QAM	8	0	15.04	14.92	14.96				
3	16QAM	8	4	14.85	14.87	14.91				
3	16QAM	8	7	15.01	15.06	14.97	16.5	0		
3	16QAM	15	0	14.95	14.92	15.04				
3	64QAM	1	0	15.02	14.93	14.97	16.5	0		
3	64QAM	1	8	14.93	14.96	14.90				
3	64QAM	1	14	15.04	14.93	14.99				
3	64QAM	8	0	14.99	14.90	14.96	16.5	0		
3	64QAM	8	4	14.99	14.95	14.99				
3	64QAM	8	7	14.89	14.92	14.94				
3	64QAM	15	0	14.93	15.05	14.91				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18507	1880	1909.3				
1.4	QPSK	1	0	14.98	15.03	14.90	16.5	0		
1.4	QPSK	1	3	14.99	14.98	14.91				
1.4	QPSK	1	5	14.90	14.95	14.98				
1.4	QPSK	3	0	14.86	14.92	14.92	16.5	0		
1.4	QPSK	3	1	14.94	14.94	14.98				
1.4	QPSK	3	3	15.05	14.85	15.00				
1.4	QPSK	6	0	15.02	14.90	15.08	16.5	0		
1.4	16QAM	1	0	15.10	15.05	14.82				
1.4	16QAM	1	3	14.84	14.92	14.99				
1.4	16QAM	1	5	14.87	14.94	15.03	16.5	0		
1.4	16QAM	3	0	14.96	14.96	14.91				
1.4	16QAM	3	1	14.93	14.94	14.83				
1.4	16QAM	3	3	15.07	15.01	14.92	16.5	0		
1.4	16QAM	6	0	15.02	14.96	14.85				
1.4	64QAM	1	3	15.00	14.92	14.84				
1.4	64QAM	1	3	15.00	14.96	14.93	16.5	0		
1.4	64QAM	1	5	14.86	14.89	15.00				
1.4	64QAM	1	5	14.92	14.89	14.89				
1.4	64QAM	3	1	15.00	14.97	15.01	16.5	0		
1.4	64QAM	3	3	15.03	14.92	14.97				
1.4	64QAM	6	0	14.99	15.02	14.87				



Band 12 Ant0 EC13										
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				23050	23056	23136				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	22.59	22.68	22.64	24	0		
10	QPSK	1	25	22.55	22.60	22.51				
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	21.55	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				
10	16QAM	25	25	20.49	20.60	20.53	22	2		
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				
10	64QAM	1	49	20.50	20.57	20.49	22	2		
10	64QAM	25	0	19.56	19.59	19.51				
10	64QAM	25	12	19.40	19.50	19.47				
10	64QAM	25	25	19.42	19.55	19.41				
10	64QAM	50	0	19.43	19.54	19.50	21	3		
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	22.55	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				
5	QPSK	12	7	21.43	21.53	21.40	23	1		
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				
5	16QAM	12	13	20.39	20.52	20.43	22	2		
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				
5	64QAM	1	24	20.35	20.50	20.41	22	2		
5	64QAM	12	0	19.52	19.50	19.43				
5	64QAM	12	7	19.37	19.36	19.35				
5	64QAM	12	13	19.34	19.43	19.35				
5	64QAM	25	0	19.32	19.50	19.46	21	3		
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	22.48	22.56	22.52	24	0		
3	QPSK	1	8	22.52	22.55	22.44				
3	QPSK	1	14	22.26	22.42	22.37				
3	QPSK	12	0	21.47	21.51	21.36				
3	QPSK	8	4	21.47	21.44	21.30	23	1		
3	QPSK	8	7	21.33	21.43	21.36				
3	QPSK	15	0	21.40	21.44	21.37				
3	16QAM	1	0	21.38	21.45	21.35				
3	16QAM	1	8	21.28	21.33	21.35	23	1		
3	16QAM	1	14	21.17	21.27	21.20				
3	16QAM	8	0	20.55	20.56	20.48				
3	16QAM	8	4	20.43	20.49	20.38				
3	16QAM	8	7	20.43	20.50	20.49	22	2		
3	16QAM	15	0	20.38	20.43	20.33				
3	64QAM	1	0	20.44	20.55	20.45				
3	64QAM	1	8	20.50	20.53	20.42				
3	64QAM	1	14	20.46	20.52	20.35	22	2		
3	64QAM	8	0	19.45	19.51	19.45				
3	64QAM	8	4	19.27	19.35	19.33				
3	64QAM	8	7	19.35	19.46	19.28				
3	64QAM	15	0	19.36	19.42	19.40	21	3		
Channel				23017	23095	23173				
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	22.55	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	23	1		
1.4	QPSK	3	3	22.27	22.44	22.43				
1.4	QPSK	6	0	21.54	21.58	21.41				
1.4	16QAM	1	0	21.41	21.50	21.35				
1.4	16QAM	1	3	21.33	21.45	21.42	23	1		
1.4	16QAM	1	5	21.41	21.47	21.37				
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	22	2		
1.4	16QAM	6	0	20.47	20.54	20.50				
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 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				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.73		24		0	
10	QPSK	1	25		22.58					
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					
10	16QAM	25	25		20.68		22		2	
10	16QAM	50	0		20.64					
10	64QAM	1	0		20.67					
10	64QAM	1	25		20.64					
10	64QAM	1	49		20.59		22		2	
10	64QAM	25	0		19.55					
10	64QAM	25	12		19.49					
10	64QAM	25	25		19.59					
10	64QAM	50	0		19.63		21		3	
Channel				23205	23230	23255				
Frequency (MHz)				779.5	782	784.5				
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	9	21.59	21.69	21.59				
5	QPSK	12	9	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	7	20.46	20.51	20.43				
5	16QAM	12	7	20.43	20.49	20.42				
5	16QAM	12	13	20.50	20.62	20.57	22		2	
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				
5	64QAM	1	24	20.40	20.46	20.44	22		2	
5	64QAM	12	9	19.30	19.44	19.38				
5	64QAM	12	7	19.32	19.43	19.33				
5	64QAM	12	13	19.45	19.55	19.49				
5	64QAM	25	0	19.49	19.54	19.47	21		3	



Band 25 Ant0 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				26140	26340	26590						
Frequency (MHz)				1880	1880	1905						
20	QPSK	1	0	15.77	15.82	15.75	17	0				
20	QPSK	1	49	15.44	15.61	15.46						
20	QPSK	1	99	15.43	15.46	15.59						
20	QPSK	50	0	15.56	15.61	15.59	17	0				
20	QPSK	50	24	15.47	15.59	15.36						
20	QPSK	50	50	15.45	15.59	15.50						
20	QPSK	100	0	15.54	15.54	15.51	17	0				
20	16QAM	1	0	15.54	15.64	15.35						
20	16QAM	1	49	15.47	15.57	15.61						
20	16QAM	1	99	15.51	15.53	15.33	17	0				
20	16QAM	50	0	15.45	15.57	15.38						
20	16QAM	50	24	15.52	15.64	15.42						
20	16QAM	50	50	15.57	15.54	15.49	17	0				
20	16QAM	100	0	15.36	15.54	15.37						
20	64QAM	1	0	15.54	15.41	15.44						
20	64QAM	1	49	15.38	15.62	15.48	17	0				
20	64QAM	1	99	15.45	15.59	15.40						
20	64QAM	50	0	15.48	15.50	15.37						
20	64QAM	50	24	15.42	15.52	15.46	17	0				
20	64QAM	50	50	15.39	15.59	15.49						
20	64QAM	100	0	15.40	15.61	15.49						
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1857.5	1880	1907.5						
15	QPSK	1	0	15.44	15.46	15.43	17	0				
15	QPSK	1	37	15.38	15.42	15.32						
15	QPSK	1	74	15.43	15.31	15.44						
15	QPSK	36	0	15.36	15.56	15.43	17	0				
15	QPSK	36	20	15.43	15.45	15.24						
15	QPSK	36	39	15.36	15.43	15.50						
15	QPSK	75	0	15.46	15.40	15.33	17	0				
15	16QAM	1	0	15.38	15.51	15.30						
15	16QAM	1	37	15.33	15.48	15.51						
15	16QAM	1	74	15.39	15.43	15.26	17	0				
15	16QAM	36	0	15.42	15.57	15.34						
15	16QAM	36	20	15.33	15.63	15.36						
15	16QAM	36	39	15.57	15.46	15.39	17	0				
15	16QAM	75	0	15.20	15.48	15.23						
15	64QAM	1	0	15.41	15.34	15.35						
15	64QAM	1	37	15.36	15.45	15.46	17	0				
15	64QAM	1	74	15.37	15.55	15.25						
15	64QAM	36	0	15.30	15.43	15.27						
15	64QAM	36	20	15.25	15.40	15.43	17	0				
15	64QAM	36	39	15.32	15.40	15.47						
15	64QAM	75	0	15.23	15.44	15.47						
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1855	1880	1910						
10	QPSK	1	0	15.46	15.62	15.46	17	0				
10	QPSK	1	25	15.34	15.55	15.45						
10	QPSK	1	49	15.33	15.33	15.57						
10	QPSK	25	0	15.43	15.48	15.41	17	0				
10	QPSK	25	12	15.31	15.52	15.18						
10	QPSK	25	25	15.32	15.50	15.35						
10	QPSK	50	0	15.35	15.38	15.47	17	0				
10	16QAM	1	0	15.44	15.58	15.18						
10	16QAM	1	25	15.29	15.41	15.44						
10	16QAM	1	49	15.51	15.47	15.22	17	0				
10	16QAM	25	0	15.26	15.38	15.24						
10	16QAM	25	12	15.26	15.48	15.40						
10	16QAM	25	25	15.44	15.52	15.42	17	0				
10	16QAM	50	0	15.19	15.41	15.23						
10	64QAM	1	0	15.49	15.22	15.29						
10	64QAM	1	25	15.26	15.49	15.44	17	0				
10	64QAM	1	49	15.27	15.58	15.38						
10	64QAM	25	0	15.32	15.34	15.33						
10	64QAM	25	12	15.25	15.39	15.34	17	0				
10	64QAM	25	25	15.25	15.44	15.49						
10	64QAM	50	0	15.31	15.49	15.41						
Channel				26055	26340	26655	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1852.5	1880	1912.5						
5	QPSK	1	0	15.54	15.46	15.56	17	0				
5	QPSK	1	12	15.37	15.57	15.27						
5	QPSK	1	24	15.34	15.37	15.51						
5	QPSK	12	0	15.41	15.57	15.42	17	0				
5	QPSK	12	7	15.34	15.55	15.17						
5	QPSK	12	13	15.27	15.39	15.31						
5	QPSK	25	0	15.39	15.46	15.37	17	0				
5	16QAM	1	0	15.49	15.57	15.30						
5	16QAM	1	12	15.32	15.48	15.50						
5	16QAM	1	24	15.37	15.33	15.29	17	0				
5	16QAM	12	0	15.39	15.51	15.22						
5	16QAM	12	7	15.39	15.49	15.34						
5	16QAM	12	13	15.47	15.38	15.36	17	0				
5	16QAM	25	0	15.29	15.52	15.20						
5	64QAM	1	0	15.39	15.27	15.37						
5	64QAM	1	12	15.25	15.47	15.42	17	0				
5	64QAM	1	24	15.38	15.43	15.29						
5	64QAM	12	0	15.35	15.49	15.37						
5	64QAM	12	7	15.28	15.48	15.37	17	0				
5	64QAM	12	13	15.23	15.46	15.44						
5	64QAM	25	0	15.39	15.55	15.46						
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1851.5	1880	1913.5						
3	QPSK	1	0	15.58	15.64	15.44	17	0				
3	QPSK	1	8	15.32	15.47	15.29						
3	QPSK	1	14	15.27	15.37	15.56						
3	QPSK	1	9	15.39	15.51	15.49	17	0				
3	QPSK	8	4	15.33	15.58	15.22						
3	QPSK	8	7	15.39	15.52	15.35						
3	QPSK	15	0	15.53	15.40	15.43	17	0				
3	16QAM	1	0	15.43	15.56	15.34						
3	16QAM	1	8	15.42	15.41	15.49						
3	16QAM	1	14	15.35	15.39	15.15	17	0				
3	16QAM	8	0	15.43	15.37	15.36						
3	16QAM	8	4	15.40	15.54	15.37						
3	16QAM	8	7	15.41	15.42	15.29	17	0				
3	16QAM	15	0	15.30	15.36	15.35						
3	64QAM	1	0	15.50	15.37	15.27						
3	64QAM	1	8	15.26	15.61	15.33	17	0				
3	64QAM	1	14	15.36	15.45	15.28						
3	64QAM	8	0	15.35	15.38	15.31						
3	64QAM	8	4	15.32	15.43	15.41	17	0				
3	64QAM	8	7	15.30	15.48	15.32						
3	64QAM	15	0	15.23	15.42	15.36						
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1850.7	1880	1914.3						
1.4	QPSK	1	0	15.40	15.64	15.44	17	0				
1.4	QPSK	1	3	15.44	15.54	15.34						
1.4	QPSK	1	5	15.26	15.35	15.52						
1.4	QPSK	3	0	15.43	15.55	15.30	17	0				
1.4	QPSK	3	1	15.47	15.37	15.28						
1.4	QPSK	3	3	15.40	15.57	15.38						
1.4	QPSK	6	0	15.43	15.44	15.37	17	0				
1.4	16QAM	1	0	15.51	15.48	15.23						
1.4	16QAM	1	3	15.36	15.41	15.47						
1.4	16QAM	1	5	15.38	15.42	15.28	17	0				
1.4	16QAM	3	0	15.41	15.54	15.37						
1.4	16QAM	3	1	15.44	15.62	15.39						
1.4	16QAM	3	3	15.44	15.47	15.48	17	0				
1.4	16QAM	6	0	15.24	15.52	15.33						
1.4	64QAM	1	0	15.52	15.32	15.41						
1.4	64QAM	1	3	15.31	15.43	15.29	17	0				
1.4	64QAM	1	5	15.40	15.52	15.22						
1.4	64QAM	3	0	15.32	15.49	15.26						
1.4	64QAM	3	1	15.27	15.37	15.28	17	0				
1.4	64QAM	3	3	15.31	15.50	15.31						
1.4	64QAM	6	0	15.26	15.52	15.30						

Band 7 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				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
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	18.65	19.01			
20	QPSK	50	0	19.05	19.11	18.98	20	0	
20	QPSK	50	24	18.67	18.91	18.84			
20	QPSK	50	50	18.85	18.95	18.63			
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	0	
20	16QAM	50	0	18.63	18.85	18.71			
20	16QAM	50	24	18.76	18.86	18.84			
20	16QAM	50	50	18.74	18.54	18.76	20	0	
20	16QAM	100	0	18.67	18.76	18.58			
20	64QAM	1	0	18.75	18.82	18.62	20	0	
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	18.87	18.65			
20	64QAM	50	50	18.69	18.98	18.67			
20	64QAM	100	0	18.81	18.80	18.73			
Channel				20823.2	21098.2	21373.2		Tune-up limit (dBm)	
Frequency (MHz)				2505.7	2533.2	2560.7		MPR (dB)	
15	QPSK	1	0	18.80	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	18.80			
15	QPSK	36	39	18.70	18.59	18.84			
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	18.88	18.68	18.61			
15	16QAM	36	20	18.61	18.83	18.99			
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	20	0	
15	64QAM	1	37	18.66	18.50	18.56			
15	64QAM	1	74	18.71	18.57	18.60			
15	64QAM	36	0	18.62	18.85	18.55	20	0	
15	64QAM	36	20	18.61	18.54	18.53			
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 limit (dBm)	
Frequency (MHz)				2503.2	2533.2	2563.2		MPR (dB)	
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	18.50	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 limit (dBm)	
Frequency (MHz)				2500.7	2533.2	2565.7		MPR (dB)	
5	QPSK	1	0	18.80	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	18.69			
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	18.76	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 38 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				37850	38000	38150	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.78	20.81	20.80			
20	QPSK	1	49	20.54	20.56	20.59			
20	QPSK	1	99	20.73	20.61	20.53			
20	QPSK	50	0	20.71	20.79	20.73			
20	QPSK	50	24	20.64	20.50	20.48			
20	QPSK	50	50	20.46	20.69	20.60			
20	QPSK	100	0	20.66	20.73	20.70			
20	16QAM	1	0	20.60	20.53	20.56			
20	16QAM	1	49	20.54	20.66	20.58			
20	16QAM	1	99	20.66	20.61	20.56			
20	16QAM	50	0	20.46	20.74	20.56			
20	16QAM	50	24	20.62	20.70	20.39			
20	16QAM	50	50	20.50	20.60	20.56			
20	16QAM	100	0	20.59	20.65	20.53			
20	64QAM	1	0	20.66	20.58	20.67			
20	64QAM	1	49	20.42	20.58	20.52			
20	64QAM	1	99	20.55	20.72	20.64			
20	64QAM	50	0	19.81	19.90	19.83			
20	64QAM	50	24	19.68	19.82	19.64			
20	64QAM	50	50	19.76	19.82	19.77			
20	64QAM	100	0	19.69	19.94	19.66			
Channel				37825	38000	38175	22	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	20.65	20.64	20.69			
15	QPSK	1	37	20.40	20.42	20.54			
15	QPSK	1	74	20.61	20.45	20.49			
15	QPSK	36	0	20.59	20.74	20.69			
15	QPSK	36	20	20.45	20.40	20.43			
15	QPSK	36	39	20.38	20.50	20.43			
15	QPSK	75	0	20.56	20.56	20.50			
15	16QAM	1	0	20.52	20.34	20.53			
15	16QAM	1	37	20.46	20.53	20.58			
15	16QAM	1	74	20.56	20.55	20.52			
15	16QAM	36	0	20.27	20.61	20.50			
15	16QAM	36	20	20.43	20.60	20.30			
15	16QAM	36	39	20.45	20.47	20.49			
15	16QAM	75	0	20.42	20.49	20.37			
15	64QAM	1	0	20.48	20.51	20.50			
15	64QAM	1	37	20.52	20.43	20.43			
15	64QAM	1	74	20.41	20.61	20.58			
15	64QAM	36	0	19.75	19.85	19.69			
15	64QAM	36	20	19.65	19.71	19.54			
15	64QAM	36	39	19.65	19.70	19.72			
15	64QAM	75	0	19.59	19.79	19.60			
Channel				37800	38000	38200	22	0	
Frequency (MHz)				2574	2595	2615			
10	QPSK	1	0	20.67	20.78	20.60			
10	QPSK	1	25	20.47	20.42	20.53			
10	QPSK	1	49	20.59	20.44	20.47			
10	QPSK	25	0	20.70	20.69	20.71			
10	QPSK	25	12	20.63	20.31	20.29			
10	QPSK	25	25	20.35	20.61	20.57			
10	QPSK	50	0	20.53	20.59	20.61			
10	16QAM	1	0	20.51	20.52	20.50			
10	16QAM	1	25	20.36	20.46	20.54			
10	16QAM	1	49	20.46	20.50	20.46			
10	16QAM	25	0	20.44	20.59	20.43			
10	16QAM	25	12	20.50	20.55	20.26			
10	16QAM	25	25	20.47	20.59	20.45			
10	16QAM	50	0	20.48	20.53	20.40			
10	64QAM	1	0	20.47	20.39	20.51			
10	64QAM	1	25	20.35	20.39	20.42			
10	64QAM	1	49	20.39	20.63	20.58			
10	64QAM	25	0	19.68	19.75	19.77			
10	64QAM	25	12	19.54	19.68	19.53			
10	64QAM	25	25	19.65	19.68	19.68			
10	64QAM	50	0	19.62	19.75	19.55			
Channel				37775	38000	38225	22	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	20.61	20.64	20.65			
5	QPSK	1	12	20.53	20.44	20.47			
5	QPSK	1	24	20.71	20.53	20.49			
5	QPSK	12	0	20.53	20.59	20.67			
5	QPSK	12	7	20.63	20.46	20.29			
5	QPSK	12	13	20.31	20.69	20.50			
5	QPSK	25	0	20.55	20.72	20.66			
5	16QAM	1	0	20.43	20.41	20.43			
5	16QAM	1	12	20.36	20.64	20.57			
5	16QAM	1	24	20.51	20.49	20.44			
5	16QAM	12	0	20.30	20.55	20.47			
5	16QAM	12	7	20.56	20.69	20.30			
5	16QAM	12	13	20.49	20.44	20.40			
5	16QAM	25	0	20.46	20.62	20.47			
5	64QAM	1	0	20.54	20.51	20.48			
5	64QAM	1	12	20.41	20.52	20.51			
5	64QAM	1	24	20.37	20.68	20.57			
5	64QAM	12	0	19.69	19.78	19.72			
5	64QAM	12	7	19.55	19.76	19.54			
5	64QAM	12	13	19.71	19.78	19.69			
5	64QAM	25	0	19.60	19.72	19.56			

Band 41 Ant1 EC13												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Middle Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				39750	40185	40620	41055	41490	22	0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	20.73	20.72	20.85	20.81	20.76			22	0
20	QPSK	1	49	20.64	20.60	20.70	20.70	20.74				
20	QPSK	1	99	20.77	20.76	20.73	20.69	20.65				
20	QPSK	50	0	20.76	20.79	20.82	20.80	20.77				
20	QPSK	50	24	20.75	20.68	20.63	20.61	20.72	22	0		
20	QPSK	50	50	20.77	20.64	20.71	20.68	20.63				
20	QPSK	100	0	20.71	20.75	20.79	20.68	20.73				
20	16QAM	1	0	20.75	20.66	20.65	20.59	20.76				
20	16QAM	1	49	20.76	20.65	20.78	20.72	20.71	22	0		
20	16QAM	1	99	20.64	20.73	20.81	20.57	20.74				
20	16QAM	50	0	20.76	20.62	20.80	20.67	20.77				
20	16QAM	50	24	20.72	20.71	20.80	20.51	20.71				
20	16QAM	50	50	20.63	20.64	20.70	20.57	20.74	22	0		
20	16QAM	100	0	20.75	20.73	20.78	20.64	20.84				
20	64QAM	1	0	20.76	20.70	20.63	20.70	20.68				
20	64QAM	1	49	20.74	20.58	20.70	20.64	20.79				
20	64QAM	1	99	20.69	20.56	20.80	20.69	20.63	21	1		
20	64QAM	50	0	19.84	19.87	19.99	19.88	19.76				
20	64QAM	50	24	19.74	19.83	19.88	19.71	19.65				
20	64QAM	50	50	19.76	19.86	19.88	19.82	19.65				
20	64QAM	100	0	19.79	19.85	19.90	19.76	19.57	22	0		
Channel				39725	40173	40620	41068	41515				
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	20.57	20.63	20.69	20.63	20.75			22	0
15	QPSK	1	37	20.49	20.54	20.61	20.59	20.68				
15	QPSK	1	74	20.67	20.75	20.69	20.50	20.64				
15	QPSK	36	0	20.57	20.69	20.66	20.79	20.63				
15	QPSK	36	20	20.75	20.61	20.52	20.50	20.68	22	0		
15	QPSK	36	39	20.75	20.56	20.62	20.60	20.50				
15	QPSK	75	0	20.57	20.60	20.76	20.61	20.59				
15	16QAM	1	0	20.64	20.51	20.51	20.53	20.68				
15	16QAM	1	37	20.60	20.52	20.61	20.65	20.63	22	0		
15	16QAM	1	74	20.57	20.64	20.63	20.59	20.63				
15	16QAM	36	0	20.58	20.50	20.52	20.52	20.74				
15	16QAM	36	20	20.64	20.60	20.65	20.33	20.51				
15	16QAM	36	39	20.53	20.56	20.63	20.41	20.57	22	0		
15	16QAM	75	0	20.62	20.53	20.69	20.50	20.76				
15	64QAM	1	0	20.57	20.66	20.48	20.59	20.62				
15	64QAM	1	37	20.71	20.38	20.61	20.52	20.71				
15	64QAM	1	74	20.52	20.42	20.59	20.59	20.63	22	0		
15	64QAM	36	0	19.84	19.81	19.86	19.83	19.65				
15	64QAM	36	20	19.83	19.69	19.73	19.65	19.55				
15	64QAM	36	39	19.65	19.77	19.75	19.71	19.53				
15	64QAM	75	0	19.76	19.72	19.80	19.66	19.59	21	1		
Channel				39700	40160	40620	41080	41509				
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	20.54	20.60	20.70	20.80	20.58			22	0
10	QPSK	1	25	20.48	20.53	20.68	20.61	20.55				
10	QPSK	1	49	20.66	20.56	20.57	20.52	20.50				
10	QPSK	25	0	20.65	20.70	20.78	20.67	20.69				
10	QPSK	25	12	20.67	20.58	20.50	20.44	20.53	22	0		
10	QPSK	25	25	20.74	20.63	20.64	20.66	20.61				
10	QPSK	50	0	20.65	20.70	20.65	20.52	20.56				
10	16QAM	1	0	20.70	20.50	20.58	20.40	20.68				
10	16QAM	1	25	20.67	20.50	20.65	20.55	20.62	22	0		
10	16QAM	1	49	20.62	20.56	20.65	20.43	20.71				
10	16QAM	25	0	20.60	20.60	20.72	20.56	20.73				
10	16QAM	25	12	20.54	20.62	20.72	20.43	20.56				
10	16QAM	25	25	20.60	20.60	20.64	20.50	20.63	22	0		
10	16QAM	50	0	20.63	20.59	20.60	20.54	20.68				
10	64QAM	1	0	20.63	20.52	20.61	20.65	20.56				
10	64QAM	1	25	20.71	20.50	20.65	20.57	20.69				
10	64QAM	1	49	20.51	20.46	20.72	20.54	20.56	21	1		
10	64QAM	25	0	19.82	19.75	19.89	19.82	19.63				
10	64QAM	25	12	19.84	19.68	19.84	19.61	19.56				
10	64QAM	25	25	19.65	19.74	19.75	19.70	19.59				
10	64QAM	50	0	19.66	19.76	19.77	19.71	19.62	22	0		
Channel				39675	40148	40620	41093	41568				
Frequency (MHz)				2498.5	25433	2593	2640.3	26875				
5	QPSK	1	0	20.67	20.65	20.63	20.67	20.64			22	0
5	QPSK	1	12	20.52	20.46	20.67	20.51	20.61				
5	QPSK	1	24	20.69	20.64	20.60	20.51	20.61				
5	QPSK	12	0	20.74	20.78	20.79	20.76	20.75				
5	QPSK	12	7	20.72	20.52	20.43	20.57	20.69	22	0		
5	QPSK	12	13	20.61	20.61	20.66	20.48	20.58				
5	16QAM	25	0	20.67	20.58	20.52	20.52	20.61				
5	16QAM	0	20.56	20.57	20.62	20.42	20.66					
5	16QAM	1	12	20.75	20.56	20.75	20.52	20.57	22	0		
5	16QAM	1	24	20.55	20.71	20.62	20.42	20.71				
5	16QAM	12	0	20.63	20.43	20.60	20.62	20.77				
5	16QAM	12	7	20.52	20.56	20.64	20.49	20.60				
5	16QAM	25	13	20.46	20.56	20.56	20.49	20.62	22	0		
5	16QAM	25	0	20.68	20.65	20.64	20.45	20.81				
5	64QAM	1	0	20.58	20.56	20.58	20.70	20.49				
5	64QAM	1	12	20.60	20.52	20.63	20.46	20.66				
5	64QAM	1	24	20.62	20.53	20.62	20.58	20.58	21	1		
5	64QAM	12	0	19.89	19.77	19.85	19.78	19.69				
5	64QAM	7	19.69	19.75	19.84	19.57	19.63					
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59				
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57				



Band 2 Ant4 ECI3											
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				18700	18950	19100					
Frequency (MHz)				1860	1880	1900					
20	QPSK	1	0	16.16	16.21	16.19	17.5	0			
20	QPSK	1	49	15.99	16.19	16.06					
20	QPSK	1	99	15.92	15.87	16.14					
20	QPSK	50	0	16.17	16.19	16.14	17.5	0			
20	QPSK	50	24	15.79	16.17	15.87					
20	QPSK	50	50	15.96	16.12	15.82					
20	QPSK	100	0	16.04	16.16	16.15	17.5	0			
20	16QAM	1	0	15.91	15.92	16.00					
20	16QAM	1	49	16.06	16.20	15.86					
20	16QAM	1	99	15.97	15.87	15.84	17.5	0			
20	16QAM	50	0	15.93	16.00	15.91					
20	16QAM	50	24	15.98	15.97	16.02					
20	16QAM	50	50	16.04	15.84	15.87	17.5	0			
20	16QAM	100	0	15.91	15.98	15.80					
20	64QAM	1	0	16.01	16.06	15.88					
20	64QAM	1	49	15.93	15.96	15.87	17.5	0			
20	64QAM	1	99	16.07	15.87	15.97					
20	64QAM	50	0	16.05	16.07	15.97					
20	64QAM	50	24	15.92	15.93	15.89	17.5	0			
20	64QAM	50	50	15.99	16.11	15.86					
20	64QAM	100	0	15.93	16.08	15.99					
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	15.96	16.14	16.04	17.5	0			
15	QPSK	1	37	15.80	16.18	15.88					
15	QPSK	1	74	15.83	15.85	16.12					
15	QPSK	36	0	16.11	16.05	16.08	17.5	0			
15	QPSK	36	20	15.77	16.14	15.78					
15	QPSK	36	39	15.85	16.02	15.80					
15	QPSK	75	0	15.93	16.08	15.99	17.5	0			
15	16QAM	1	0	15.77	15.76	15.83					
15	16QAM	1	37	16.03	16.03	15.69					
15	16QAM	1	74	15.90	15.76	15.72	17.5	0			
15	16QAM	36	0	15.86	15.84	15.78					
15	16QAM	36	20	15.96	15.93	15.85					
15	16QAM	36	39	16.03	15.79	15.82	17.5	0			
15	16QAM	75	0	15.87	15.87	15.71					
15	64QAM	1	0	15.85	15.91	15.82					
15	64QAM	1	37	15.81	15.85	15.85	17.5	0			
15	64QAM	1	74	15.96	15.68	15.83					
15	64QAM	36	0	16.05	15.95	15.93					
15	64QAM	36	20	15.74	15.79	15.80	17.5	0			
15	64QAM	36	39	15.87	16.00	15.83					
15	64QAM	75	0	15.83	16.07	15.88					
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	16.14	16.16	16.14	17.5	0			
10	QPSK	1	25	15.96	16.03	16.02					
10	QPSK	1	49	15.79	15.68	16.10					
10	QPSK	25	0	16.12	16.14	15.95	17.5	0			
10	QPSK	25	12	15.73	16.02	15.71					
10	QPSK	25	25	15.81	16.12	15.69					
10	QPSK	50	0	15.97	16.02	16.08	17.5	0			
10	16QAM	1	0	15.89	15.76	15.86					
10	16QAM	1	25	16.02	16.11	15.85					
10	16QAM	1	49	15.82	15.68	15.76	17.5	0			
10	16QAM	25	0	15.76	15.99	15.73					
10	16QAM	25	12	15.84	15.81	15.93					
10	16QAM	25	25	15.90	15.66	15.84	17.5	0			
10	16QAM	50	0	15.87	15.92	15.72					
10	64QAM	1	0	15.94	16.05	15.86					
10	64QAM	1	25	15.79	15.89	15.80	17.5	0			
10	64QAM	1	49	15.96	15.77	15.78					
10	64QAM	25	0	16.01	15.97	15.83					
10	64QAM	25	12	15.82	15.86	15.82	17.5	0			
10	64QAM	25	25	15.85	16.03	15.77					
10	64QAM	50	0	15.91	16.04	15.98					
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	16.05	16.12	16.09	17.5	0			
5	QPSK	1	12	15.96	16.18	15.86					
5	QPSK	1	24	15.89	15.70	16.02					
5	QPSK	12	0	16.13	16.14	15.95	17.5	0			
5	QPSK	12	7	15.71	16.09	15.86					
5	QPSK	12	13	15.89	15.93	15.75					
5	QPSK	25	0	15.89	16.14	16.13	17.5	0			
5	16QAM	1	0	15.79	15.92	15.84					
5	16QAM	1	12	16.00	16.07	15.68					
5	16QAM	1	24	15.81	15.77	15.81	17.5	0			
5	16QAM	12	0	15.85	15.91	15.80					
5	16QAM	12	7	15.82	15.80	15.97					
5	16QAM	12	13	15.93	15.72	15.78	17.5	0			
5	16QAM	25	0	15.82	15.96	15.82					
5	64QAM	1	0	15.94	16.01	15.78					
5	64QAM	1	12	15.76	15.91	15.68	17.5	0			
5	64QAM	1	24	15.92	15.70	15.91					
5	64QAM	12	0	15.86	16.06	15.91					
5	64QAM	12	7	15.74	15.76	15.83	17.5	0			
5	64QAM	12	13	15.71	15.92	15.70					
5	64QAM	25	0	15.87	16.00	15.97					
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1906.5					
3	QPSK	1	0	16.16	16.07	16.10	17.5	0			
3	QPSK	1	8	15.79	16.12	16.01					
3	QPSK	1	14	15.84	15.82	16.13					
3	QPSK	8	0	16.06	16.07	16.07	17.5	0			
3	QPSK	8	4	15.81	16.05	15.86					
3	QPSK	8	7	15.78	16.04	15.64					
3	QPSK	15	0	15.86	16.08	16.01	17.5	0			
3	16QAM	1	0	15.75	15.89	15.85					
3	16QAM	1	8	15.96	16.08	15.82					
3	16QAM	1	14	15.81	15.70	15.64	17.5	0			
3	16QAM	8	0	15.73	15.94	15.86					
3	16QAM	8	4	15.82	15.85	15.79					
3	16QAM	8	7	15.72	16.04	15.75	17.5	0			
3	64QAM	15	0	15.74	15.90	15.83					
Channel				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	15.99	16.10	16.02	17.5	0			
1.4	QPSK	1	3	15.89	16.13	15.82					
1.4	QPSK	1	5	15.76	15.70	16.07					
1.4	QPSK	3	0	16.03	16.09	15.96	17.5	0			
1.4	QPSK	3	1	15.76	15.97	15.86					
1.4	QPSK	3	3	15.85	15.98	15.77					
1.4	QPSK	6	0	15.99	16.13	16.05	17.5	0			
1.4	16QAM	1	0	15.89	15.90	15.98					
1.4	16QAM	1	3	15.90	16.13	15.89					
1.4	16QAM	1	5	15.83	15.85	15.82	17.5	0			
1.4	16QAM	3	0	15.93	15.83	15.81					
1.4	16QAM	3	1	15.94	15.94	15.87					
1.4	16QAM	3	3	15.87	15.68	15.81	17.5	0			
1.4	16QAM	6	0	15.76	15.97	15.70					
1.4	64QAM	1	0	15.93	15.90	15.86					
1.4	64QAM	1	3	15.92	15.80	15.75	17.5	0			
1.4	64QAM	1	5	15.83	15.86	15.82					
1.4	64QAM	3	0	16.00	15.93	15.89					
1.4	64QAM	3	1	15.75	15.77	15.77	17.5	0			
1.4	64QAM	3	3	15.84	16.01	15.69					
1.4	64QAM	6	0	15.87	15.90	15.93					

Band 5 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				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.93	21.96	21.79	22.5	0	
10	QPSK	1	25	21.89	21.88	21.75			
10	QPSK	1	49	21.64	21.83	21.85			
10	QPSK	25	0	20.80	21.01	20.91			
10	QPSK	25	12	20.75	20.95	20.96	21.5	1	
10	QPSK	25	25	20.72	20.90	20.90			
10	QPSK	50	0	20.75	20.93	20.88			
10	16QAM	1	0	20.91	20.96	20.96			
10	16QAM	1	25	20.76	20.90	20.91	21.5	1	
10	16QAM	1	49	20.73	20.86	20.76			
10	16QAM	25	0	19.84	19.98	19.89			
10	16QAM	25	12	19.90	19.90	19.88			
10	16QAM	25	25	19.96	19.94	19.92	20.5	2	
10	16QAM	50	0	19.69	19.90	19.78			
10	64QAM	1	0	19.74	19.92	19.78			
10	64QAM	1	25	19.84	19.86	19.76			
10	64QAM	1	49	19.76	19.82	19.81	20.5	2	
10	64QAM	25	0	18.81	18.92	18.89			
10	64QAM	25	12	18.78	18.83	18.79			
10	64QAM	25	25	18.80	18.80	18.85			
10	64QAM	50	0	18.80	18.87	18.85	19.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.84	21.91	21.71	22.5	0	
5	QPSK	1	12	21.75	21.82	21.75			
5	QPSK	1	24	21.47	21.84	21.81			
5	QPSK	12	0	20.68	20.87	20.75			
5	QPSK	12	7	20.66	20.90	20.90	21.5	1	
5	QPSK	12	13	20.61	20.69	20.85			
5	QPSK	25	0	20.75	20.79	20.74			
5	16QAM	1	0	20.73	20.82	20.75			
5	16QAM	1	12	20.71	20.92	20.85	21.5	1	
5	16QAM	1	24	20.55	20.67	20.71			
5	16QAM	12	0	19.81	19.96	19.85			
5	16QAM	12	7	19.79	19.76	19.87			
5	16QAM	12	13	19.76	19.90	19.87	20.5	2	
5	16QAM	25	0	19.61	19.70	19.68			
5	64QAM	1	0	19.63	19.90	19.80			
5	64QAM	1	12	19.82	19.73	19.64			
5	64QAM	1	24	19.77	19.61	19.61	20.5	2	
5	64QAM	12	0	18.82	18.73	18.84			
5	64QAM	12	7	18.59	18.71	18.71			
5	64QAM	12	13	18.72	18.67	18.77			
5	64QAM	25	0	18.75	18.83	18.65	19.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.93	21.76	21.60	22.5	0	
3	QPSK	1	8	21.74	21.67	21.67			
3	QPSK	1	14	21.56	21.72	21.77			
3	QPSK	8	0	20.93	21.02	20.93			
3	QPSK	8	4	20.71	20.82	20.81	21.5	1	
3	QPSK	8	7	20.65	20.72	20.81			
3	QPSK	15	0	20.73	20.86	20.87			
3	16QAM	1	0	20.83	20.86	20.79			
3	16QAM	1	8	20.60	20.89	20.80	21.5	1	
3	16QAM	1	14	20.64	20.79	20.77			
3	16QAM	8	0	19.91	19.97	19.71			
3	16QAM	8	4	19.76	19.72	19.71			
3	16QAM	8	7	19.90	19.79	19.75	20.5	2	
3	16QAM	15	0	19.50	19.76	19.70			
3	64QAM	1	0	19.76	19.70	19.75			
3	64QAM	1	8	19.64	19.87	19.75			
3	64QAM	1	14	19.71	19.73	19.70	20.5	2	
3	64QAM	8	0	18.60	18.80	18.82			
3	64QAM	8	4	18.62	18.78	18.61			
3	64QAM	8	7	18.71	18.77	18.79			
3	64QAM	15	0	18.60	18.80	18.83	19.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.82	21.87	21.64	22.5	0	
1.4	QPSK	1	3	21.85	21.84	21.56			
1.4	QPSK	1	5	21.59	21.72	21.82			
1.4	QPSK	3	0	21.78	21.80	21.67			
1.4	QPSK	3	1	21.44	21.71	21.73	21.5	1	
1.4	QPSK	3	3	21.55	21.52	21.56			
1.4	QPSK	6	0	20.54	20.91	20.73			
1.4	16QAM	1	0	20.91	20.81	20.79			
1.4	16QAM	1	3	20.72	20.77	20.71	21.5	1	
1.4	16QAM	1	5	20.60	20.78	20.74			
1.4	16QAM	3	0	20.89	20.85	20.97			
1.4	16QAM	3	1	20.67	20.90	20.93			
1.4	16QAM	3	3	20.63	20.82	20.67	20.5	2	
1.4	16QAM	6	0	19.64	19.70	19.60			
1.4	64QAM	1	0	19.75	19.79	19.71			
1.4	64QAM	1	3	19.64	19.73	19.70			
1.4	64QAM	1	5	19.77	19.62	19.61	20.5	2	
1.4	64QAM	3	0	19.69	19.85	19.56			
1.4	64QAM	3	1	19.63	19.78	19.58			
1.4	64QAM	3	3	19.72	19.83	19.75			
1.4	64QAM	6	0	18.63	18.72	18.71	19.5	3	

Band 66 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				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.31	20.37	20.25	21	0	
20	QPSK	1	49	20.15	20.26	20.33			
20	QPSK	1	99	20.30	20.34	20.19			
20	QPSK	50	0	19.85	19.90	19.83			
20	QPSK	50	24	19.84	19.85	19.81	20.5	0.5	
20	QPSK	50	50	19.80	19.82	19.71			
20	QPSK	100	0	19.87	19.95	19.77			
20	16QAM	1	0	19.74	19.71	19.72			
20	16QAM	1	49	19.62	19.72	19.55	20.5	0.5	
20	16QAM	1	99	19.63	19.65	19.60			
20	16QAM	50	0	18.89	18.87	18.96			
20	16QAM	50	24	18.80	18.90	18.74			
20	16QAM	50	50	18.76	18.93	18.93	19.5	1.5	
20	16QAM	100	0	18.82	18.95	18.76			
20	64QAM	1	0	18.65	18.67	18.61			
20	64QAM	1	49	18.62	18.64	18.61			
20	64QAM	1	99	18.45	18.68	18.57	19.5	1.5	
20	64QAM	50	0	17.88	17.94	17.74			
20	64QAM	50	24	17.81	17.89	17.82			
20	64QAM	50	50	17.83	17.86	17.83			
20	64QAM	100	0	17.92	17.92	17.80	18.5	2.5	
Channel				132047	132322	132697			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.21	20.32	20.06			
15	QPSK	1	37	19.95	20.20	20.19			
15	QPSK	1	74	20.21	20.30	19.99			
15	QPSK	36	0	19.80	19.79	19.75			
15	QPSK	36	20	19.72	19.73	19.67	20.5	0.5	
15	QPSK	36	39	19.73	19.73	19.59			
15	QPSK	75	0	19.79	19.93	19.71			
15	16QAM	1	0	19.62	19.65	19.69			
15	16QAM	1	37	19.50	19.69	19.47	20.5	0.5	
15	16QAM	1	74	19.53	19.59	19.57			
15	16QAM	36	0	18.75	18.96	18.86			
15	16QAM	36	20	18.75	18.82	18.69			
15	16QAM	36	39	18.73	18.77	18.65	19.5	1.5	
15	16QAM	75	0	18.73	18.87	18.68			
15	64QAM	1	0	18.54	18.56	18.54			
15	64QAM	1	37	18.56	18.57	18.47			
15	64QAM	1	74	18.36	18.59	18.49	19.5	1.5	
15	64QAM	36	0	17.81	17.82	17.61			
15	64QAM	36	20	17.78	17.76	17.79			
15	64QAM	36	39	17.78	17.77	17.75			
15	64QAM	36	74	17.78	17.79	17.67	18.5	2.5	
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.19	20.27	20.13			
10	QPSK	1	25	20.14	20.21	20.16			
10	QPSK	1	49	20.13	20.18	20.11			
10	QPSK	25	0	19.65	19.72	19.70			
10	QPSK	25	12	19.66	19.73	19.68	20.5	0.5	
10	QPSK	25	25	19.67	19.66	19.68			
10	QPSK	50	0	19.68	19.78	19.57			
10	16QAM	1	0	19.56	19.56	19.58			
10	16QAM	1	25	19.43	19.61	19.33	20.5	0.5	
10	16QAM	1	49	19.49	19.49	19.54			
10	16QAM	25	0	18.71	18.91	18.76			
10	16QAM	25	12	18.64	18.76	18.60			
10	16QAM	25	25	18.48	18.78	18.61	19.5	1.5	
10	16QAM	50	0	18.66	18.83	18.59			
10	64QAM	1	0	18.44	18.41	18.47			
10	64QAM	1	25	18.49	18.50	18.40			
10	64QAM	1	49	18.32	18.53	18.41	19.5	1.5	
10	64QAM	25	0	17.77	17.87	17.75			
10	64QAM	25	12	17.52	17.68	17.57			
10	64QAM	25	25	17.54	17.70	17.61			
10	64QAM	50	0	17.63	17.74	17.52	18.5	2.5	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.14	20.25	20.12			
5	QPSK	1	12	20.07	20.08	20.29			
5	QPSK	1	24	20.22	20.24	20.12			
5	QPSK	12	0	19.73	19.74	19.70			
5	QPSK	12	7	19.67	19.62	19.58	20.5	0.5	
5	QPSK	12	13	19.63	19.64	19.51			
5	QPSK	25	0	19.71	19.79	19.62			
5	16QAM	1	0	19.53	19.59	19.62			
5	16QAM	1	12	19.43	19.63	19.42	20.5	0.5	
5	16QAM	1	24	19.49	19.51	19.42			
5	16QAM	12	0	18.65	18.67	18.80			
5	16QAM	12	7	18.68	18.78	18.61			
5	16QAM	12	13	18.48	18.72	18.84	19.5	1.5	
5	16QAM	25	0	18.60	18.74	18.56			
5	64QAM	1	0	18.49	18.45	18.42			
5	64QAM	1	12	18.50	18.53	18.33			
5	64QAM	1	24	18.26	18.47	18.38	19.5	1.5	
5	64QAM	12	0	17.66	17.74	17.55			
5	64QAM	12	7	17.67	17.70	17.61			
5	64QAM	12	13	17.67	17.74	17.61			
5	64QAM	25	0	17.64	17.68	17.57	18.5	2.5	
Channel				131987	132322	132657			
Frequency (MHz)				1711.5	1745	1775.5			
3	QPSK	1	0	20.23	20.21	20.18			
3	QPSK	1	8	19.96	20.20	20.26			
3	QPSK	1	14	20.26	20.20	20.01			
3	QPSK	8	0	19.68	19.67	19.62			
3	QPSK	8	4	19.68	19.69	19.56	20.5	0.5	
3	QPSK	8	7	19.65	19.67	19.48			
3	QPSK	15	0	19.65	19.88	19.60			
3	16QAM	1	0	19.48	19.53	19.61			
3	16QAM	1	8	19.39	19.56	19.35	20.5	0.5	
3	16QAM	1	14	19.48	19.47	19.47			
3	16QAM	8	0	18.76	19.81	19.78			
3	16QAM	8	4	18.65	18.76	18.65			
3	16QAM	8	7	18.60	18.69	18.75	19.5	1.5	
3	16QAM	15	0	18.69	18.74	18.63			
3	64QAM	1	0	18.44	18.46	18.47			
3	64QAM	1	8	18.49	18.50	18.33			
3	64QAM	1	14	18.24	18.55	18.40	19.5	1.5	
3	64QAM	8	0	17.76	17.79	17.61			
3	64QAM	8	4	17.58	17.73	17.73			
3	64QAM	8	7	17.58	17.65	17.73			
3	64QAM	15	0	17.68	17.67	17.63	18.5	2.5	
Channel				131979	132322	132656			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	20.21	20.30	20.20			
1.4	QPSK	1	3	19.96	20.07	20.22			
1.4	QPSK	1	6	20.23	20.16	20.14			
1.4	QPSK	3	0	20.23	20.35	20.22			
1.4	QPSK	3	1	20.08	20.22	20.25	20.5	0.5	
1.4	QPSK	3	3	20.29	20.32	20.06			
1.4	QPSK	6	0	19.71	19.65	19.64			
1.4	16QAM	1	0	19.65	19.59	19.54			
1.4	16QAM	1	3	19.62	19.67	19.54	20.5	0.5	
1.4	16QAM	1	6	19.69	19.69	19.64			
1.4	16QAM	3	0	19.52	19.55	19.57			
1.4	16QAM	3	1	19.44	19.55	19.40			
1.4	16QAM	3	3	19.43	19.51	19.38	19.5	1.5	
1.4	16QAM	6	0	18.67	18.85	18.72			
1.4	64QAM	1	0	17.69	17.72	17.63			
1.4	64QAM	1	3	17.53	17.67	17.74			
1.4	QPSK	1	0	17.62	17.61	17.63	19.5	1.5	
1.4	QPSK	1	3	17.62	17.61	17.63			
1.4	64QAM	3	0	18.48	18.48	18.46			
1.4	64QAM	3	1	18.46	18.54	18.32			
1.4	64QAM	3	3	18.25	18.46	18.39	18.5	2.5	
1.4	64QAM	6	0	17.69	17.78	17.53			

Band 42 FCC Part27Q 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				42190	42590	42990				
Frequency (MHz)				3460	3500	3540				
20	QPSK	1	0	15.87	15.99	15.81	17.5			
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	15.93	15.81	17.5			
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			
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			
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			
20	16QAM	100	0	15.85	15.95	15.80				
20	64QAM	1	0	15.84	15.90	15.82				
20	64QAM	1	49	15.83	15.94	15.83	17.5			
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			
20	64QAM	50	50	15.89	15.94	15.78				
20	64QAM	100	0	15.86	15.95	15.81				
Channel				42165	42590	43015				
Frequency (MHz)				3457.5	3500	3542.5				
15	QPSK	1	0	15.78	15.82	15.70	17.5			
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			
15	QPSK	36	20	15.77	15.86	15.69				
15	QPSK	36	39	15.78	15.82	15.73				
15	QPSK	75	0	15.75	15.85	15.71	17.5			
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			
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			
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			
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			
15	64QAM	36	39	15.73	15.81	15.73				
15	64QAM	75	0	15.75	15.82	15.72				
Channel				42140	42590	43065				
Frequency (MHz)				3455	3500	3545				
10	QPSK	1	0	15.77	15.86	15.68	17.5			
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			
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			
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			
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			
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			
10	64QAM	1	49	15.78	15.85	15.68				
10	64QAM	25	0	15.76	15.84	15.68				
10	64QAM	25	12	15.79	15.83	15.70	17.5			
10	64QAM	25	25	15.76	15.85	15.70				
10	64QAM	50	0	15.78	15.83	15.71				
Channel				42115	42590	43065				
Frequency (MHz)				3452.5	3500	3547.5				
5	QPSK	1	0	15.79	15.86	15.70	17.5			
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			
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			
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			
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			
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			
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	15.69				
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)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		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		29.26	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 Default									
GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		29.55	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	18.42	18.31	18.24	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
WCDMA II Ant0 Default									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9100	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1637	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps		22.54	22.61	22.52	24.00	22.65	22.75	22.67	24.00
3GPP Rel 99 RMC 12.2Kbps		22.57	22.65	22.62	24.00	22.68	22.77	22.70	24.00
3GPP Rel 6 HSDPA Subtest-1		21.56	21.71	21.59	23.00	21.72	21.87	21.66	23.00
3GPP Rel 6 HSDPA Subtest-2		21.56	21.57	21.54	23.00	21.65	21.73	21.63	23.00
3GPP Rel 6 HSDPA Subtest-3		21.08	21.19	21.11	22.50	21.18	21.31	21.24	22.50
3GPP Rel 6 HSDPA Subtest-4		21.00	21.06	21.06	22.50	21.06	21.12	21.15	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
3GPP Rel 8 DC-HSDPA Subtest-2		21.44	21.63	21.47	23.00	21.59	21.78	21.56	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
3GPP Rel 8 DC-HSDPA Subtest-4		20.97	21.07	20.98	22.50	21.05	21.15	21.05	22.50
3GPP Rel 6 HSUPA Subtest-1		21.44	21.58	21.54	23.00	21.59	21.66	21.62	23.00
3GPP Rel 6 HSUPA Subtest-2		19.57	19.69	19.58	21.00	19.65	19.79	19.73	21.00
3GPP Rel 6 HSUPA Subtest-3		20.70	20.73	20.68	22.00	20.83	20.79	20.81	22.00
3GPP Rel 6 HSUPA Subtest-4		19.48	19.60	19.47	21.00	19.57	19.73	19.60	21.00
3GPP Rel 6 HSUPA Subtest-5		21.47	21.64	21.52	23.00	21.56	21.75	21.67	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
WCDMA V Ant0 Default									
Band		WCDMA V			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		4192	4162	4238		4192	4162	4238	
Rx Channel		4357	4407	4458		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6		826.4	836.4	846.6	
3GPP Rel 99 AMR 12.2Kbps		22.78	22.88	22.83	24.00	22.78	22.88	22.83	24.00
3GPP Rel 99 RMC 12.2Kbps		22.85	22.93	22.88	24.00	22.85	22.93	22.88	24.00
3GPP Rel 6 HSDPA Subtest-1		21.87	21.94	21.80	23.00	21.87	21.94	21.80	23.00
3GPP Rel 6 HSDPA Subtest-2		21.76	21.81	21.75	23.00	21.76	21.81	21.75	23.00
3GPP Rel 6 HSDPA Subtest-3		21.33	21.36	21.34	22.50	21.33	21.36	21.34	22.50
3GPP Rel 6 HSDPA Subtest-4		21.13	21.28	21.24	22.50	21.13	21.28	21.24	22.50
3GPP Rel 8 DC-HSDPA Subtest-1		21.81	21.80	21.82	23.00	21.81	21.80	21.82	23.00
3GPP Rel 8 DC-HSDPA Subtest-2		21.72	21.89	21.73	23.00	21.72	21.89	21.73	23.00
3GPP Rel 8 DC-HSDPA Subtest-3		21.25	21.38	21.30	22.50	21.25	21.38	21.30	22.50
3GPP Rel 8 DC-HSDPA Subtest-4		21.16	21.22	21.11	22.50	21.16	21.22	21.11	22.50
3GPP Rel 6 HSUPA Subtest-1		21.68	21.72	21.73	23.00	21.68	21.72	21.73	23.00
3GPP Rel 6 HSUPA Subtest-2		19.72	19.85	19.83	21.00	19.72	19.85	19.83	21.00
3GPP Rel 6 HSUPA Subtest-3		20.96	20.96	20.95	22.00	20.96	20.96	20.95	22.00
3GPP Rel 6 HSUPA Subtest-4		19.69	19.83	19.65	21.00	19.69	19.83	19.65	21.00
3GPP Rel 6 HSUPA Subtest-5		21.66	21.89	21.82	23.00	21.66	21.89	21.82	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		19.35	19.52	19.37	20.50	19.35	19.52	19.37	20.50



Band 2 Ant0 Default											
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				18700	18900	19100					
Frequency (MHz)				1880	1900	1920					
20	QPSK	1	0	22.63	22.66	22.60	24	0			
20	QPSK	1	49	22.52	22.58	22.46					
20	QPSK	1	99	22.50	22.53	22.49					
20	QPSK	50	0	21.61	21.65	21.56	23	1			
20	QPSK	50	24	21.52	21.59	21.54					
20	QPSK	50	50	21.42	21.54	21.43					
20	QPSK	100	0	21.50	21.58	21.47	23	1			
20	16QAM	1	0	21.41	21.52	21.46					
20	16QAM	1	49	21.39	21.46	21.36					
20	16QAM	1	99	21.28	21.42	21.33	22	2			
20	16QAM	50	0	20.58	20.72	20.61					
20	16QAM	50	24	20.58	20.64	20.51					
20	16QAM	50	50	20.64	20.68	20.55	22	2			
20	16QAM	100	0	20.58	20.69	20.58					
20	64QAM	1	0	20.61	20.75	20.69					
20	64QAM	1	49	20.64	20.69	20.62	21	3			
20	64QAM	1	99	20.56	20.65	20.56					
20	64QAM	50	0	19.65	19.73	19.63					
20	64QAM	50	24	19.55	19.64	19.57	21	3			
20	64QAM	50	50	19.65	19.69	19.57					
20	64QAM	100	0	19.63	19.70	19.58					
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	22.55	22.58	22.47	24	0			
15	QPSK	1	37	22.47	22.51	22.40					
15	QPSK	1	74	22.36	22.43	22.35					
15	QPSK	36	0	21.57	21.56	21.43	23	1			
15	QPSK	36	20	21.42	21.54	21.50					
15	QPSK	36	39	21.28	21.46	21.34					
15	QPSK	75	0	21.45	21.45	21.37	23	1			
15	16QAM	1	0	21.35	21.41	21.36					
15	16QAM	1	37	21.30	21.33	21.22					
15	16QAM	1	74	21.22	21.38	21.26	22	2			
15	16QAM	36	0	20.50	20.63	20.47					
15	16QAM	36	20	20.47	20.51	20.49					
15	16QAM	36	39	20.53	20.55	20.45	22	2			
15	16QAM	75	0	20.53	20.55	20.45					
15	64QAM	1	0	20.46	20.70	20.57					
15	64QAM	1	37	20.49	20.63	20.49	21	3			
15	64QAM	1	74	20.47	20.59	20.46					
15	64QAM	36	0	19.59	19.64	19.56					
15	64QAM	36	20	19.46	19.49	19.46	21	3			
15	64QAM	36	39	19.50	19.61	19.47					
15	64QAM	75	0	19.59	19.64	19.51					
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	22.55	22.61	22.51	24	0			
10	QPSK	1	25	22.41	22.48	22.31					
10	QPSK	1	49	22.39	22.48	22.46					
10	QPSK	25	0	21.56	21.52	21.50	23	1			
10	QPSK	25	12	21.43	21.55	21.45					
10	QPSK	25	25	21.31	21.43	21.34					
10	QPSK	50	0	21.39	21.47	21.35	23	1			
10	16QAM	1	0	21.37	21.47	21.33					
10	16QAM	1	25	21.28	21.38	21.30					
10	16QAM	1	49	21.20	21.28	21.22	22	2			
10	16QAM	25	0	20.45	20.59	20.51					
10	16QAM	25	12	20.47	20.56	20.48					
10	16QAM	25	25	20.56	20.56	20.45	22	2			
10	16QAM	50	0	20.47	20.57	20.51					
10	64QAM	1	0	20.48	20.67	20.65					
10	64QAM	1	25	20.51	20.57	20.55	22	2			
10	64QAM	1	49	20.45	20.52	20.43					
10	64QAM	25	0	19.51	19.62	19.50					
10	64QAM	25	12	19.41	19.53	19.41	21	3			
10	64QAM	25	25	19.51	19.63	19.47					
10	64QAM	50	0	19.56	19.58	19.47					
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	22.58	22.63	22.51	24	0			
5	QPSK	1	12	22.47	22.50	22.36					
5	QPSK	1	24	22.42	22.41	22.42					
5	QPSK	12	0	21.51	21.53	21.50	23	1			
5	QPSK	12	7	21.39	21.51	21.45					
5	QPSK	12	13	21.34	21.51	21.36					
5	QPSK	25	0	21.41	21.51	21.33	23	1			
5	16QAM	1	0	21.30	21.40	21.39					
5	16QAM	1	12	21.35	21.43	21.24					
5	16QAM	1	24	21.22	21.38	21.28	22	2			
5	16QAM	12	0	20.50	20.65	20.47					
5	16QAM	12	7	20.53	20.51	20.43					
5	16QAM	12	13	20.52	20.57	20.42	22	2			
5	16QAM	25	0	20.47	20.65	20.46					
5	64QAM	1	0	20.56	20.66	20.64					
5	64QAM	1	12	20.50	20.57	20.51	22	2			
5	64QAM	1	24	20.44	20.50	20.51					
5	64QAM	12	0	19.50	19.62	19.53					
5	64QAM	12	7	19.42	19.60	19.48	21	3			
5	64QAM	12	13	19.51	19.62	19.52					
5	64QAM	25	0	19.53	19.58	19.49					
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	22.49	22.62	22.53	24	0			
3	QPSK	1	8	22.46	22.52	22.40					
3	QPSK	1	14	22.36	22.47	22.42					
3	QPSK	8	0	21.51	21.61	21.42	23	1			
3	QPSK	8	4	21.41	21.53	21.44					
3	QPSK	8	7	21.35	21.48	21.32					
3	QPSK	15	0	21.42	21.51	21.42	23	1			
3	16QAM	1	0	21.35	21.41	21.37					
3	16QAM	1	8	21.29	21.34	21.25					
3	16QAM	1	14	21.18	21.32	21.24	22	2			
3	16QAM	8	0	20.46	20.65	20.48					
3	16QAM	8	4	20.43	20.53	20.38					
3	16QAM	8	7	20.58	20.59	20.52	22	2			
3	16QAM	15	0	20.52	20.59	20.52					
3	64QAM	1	0	20.51	20.61	20.58					
3	64QAM	1	8	20.59	20.58	20.50	22	2			
3	64QAM	1	14	20.52	20.51	20.43					
3	64QAM	8	0	19.55	19.61	19.42					
3	64QAM	8	4	19.45	19.54	19.45	21	3			
3	64QAM	8	7	19.61	19.62	19.51					
3	64QAM	15	0	19.48	19.59	19.49					
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	22.56	22.62	22.57	24	0			
1.4	QPSK	1	3	22.43	22.52	22.35					
1.4	QPSK	1	6	22.40	22.45	22.40					
1.4	QPSK	3	0	22.51	22.50	22.54	23	1			
1.4	QPSK	3	1	22.39	22.45	22.44					
1.4	QPSK	3	2	22.42	22.49	22.44					
1.4	QPSK	6	0	21.54	21.61	21.43	23	1			
1.4	16QAM	1	3	21.39	21.47	21.31					
1.4	16QAM	1	3	21.32	21.44	21.35					
1.4	16QAM	1	5	21.46	21.61	21.45	23	1			
1.4	16QAM	3	0	21.28	21.43	21.37					
1.4	16QAM	3	1	21.34	21.43	21.25					
1.4	16QAM	3	3	21.18	21.34	21.18	22	2			
1.4	16QAM	6	0	20.49	20.65	20.48					
1.4	64QAM	1	3	20.54	20.67	20.60					
1.4	64QAM	1	3	20.53	20.64	20.57	22	2			
1.4	64QAM	1	5	20.45	20.55	20.42					
1.4	64QAM	3	0	20.45	20.51	20.39					
1.4	64QAM	3	1	20.53	20.60	20.48	21	3			
1.4	64QAM	3	3	20.52	20.57	20.51					
1.4	64QAM	6	0	19.55	19.57	19.47	21	3			



Band 12 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				23050	23056	23136				
Frequency (MHz)				704	707.5	711				
10	QPSK	1	0	22.59	22.68	22.64	24	0		
10	QPSK	1	25	22.55	22.60	22.51				
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	21.55	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				
10	16QAM	25	25	20.49	20.60	20.53	22	2		
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				
10	64QAM	1	49	20.50	20.57	20.49	22	2		
10	64QAM	25	0	19.56	19.59	19.51				
10	64QAM	25	12	19.40	19.50	19.47				
10	64QAM	25	25	19.42	19.55	19.41				
10	64QAM	50	0	19.43	19.54	19.50	21	3		
Channel				23035	23095	23155				
Frequency (MHz)				701.5	707.5	713.5				
5	QPSK	1	0	22.55	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				
5	QPSK	12	7	21.43	21.53	21.40	23	1		
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				
5	16QAM	12	13	20.39	20.52	20.43	22	2		
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				
5	64QAM	1	24	20.35	20.50	20.41	22	2		
5	64QAM	12	0	19.52	19.50	19.43				
5	64QAM	12	7	19.37	19.39	19.35				
5	64QAM	12	13	19.34	19.43	19.35				
5	64QAM	25	0	19.32	19.50	19.46	21	3		
Channel				23025	23095	23165				
Frequency (MHz)				700.5	707.5	714.5				
3	QPSK	1	0	22.48	22.56	22.52	24	0		
3	QPSK	1	8	22.52	22.55	22.44				
3	QPSK	1	14	22.26	22.42	22.37				
3	QPSK	8	0	21.47	21.51	21.36				
3	QPSK	8	4	21.47	21.44	21.30	23	1		
3	QPSK	8	7	21.33	21.43	21.36				
3	QPSK	15	0	21.40	21.44	21.37				
3	16QAM	1	0	21.38	21.45	21.35				
3	16QAM	1	8	21.28	21.33	21.35	23	1		
3	16QAM	1	14	21.17	21.27	21.20				
3	16QAM	8	0	20.55	20.56	20.48				
3	16QAM	8	4	20.43	20.49	20.38				
3	16QAM	8	7	20.43	20.50	20.49	22	2		
3	16QAM	15	0	20.38	20.43	20.33				
3	64QAM	1	0	20.44	20.55	20.45				
3	64QAM	1	8	20.50	20.53	20.42				
3	64QAM	1	14	20.46	20.52	20.35	22	2		
3	64QAM	8	0	19.45	19.51	19.45				
3	64QAM	8	4	19.27	19.35	19.33				
3	64QAM	8	7	19.35	19.46	19.28				
3	64QAM	15	0	19.36	19.42	19.40	21	3		
Channel				23017	23095	23173				
Frequency (MHz)				699.7	707.5	715.3				
1.4	QPSK	1	0	22.55	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	23	1		
1.4	QPSK	3	3	22.27	22.44	22.43				
1.4	QPSK	6	0	21.54	21.58	21.41				
1.4	16QAM	1	0	21.41	21.50	21.35				
1.4	16QAM	1	3	21.33	21.45	21.42	23	1		
1.4	16QAM	1	5	21.41	21.47	21.37				
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	22	2		
1.4	16QAM	6	0	20.47	20.54	20.50				
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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)		
Channel				23230						
Frequency (MHz)				782						
10	QPSK	1	0		22.73		24		0	
10	QPSK	1	25		22.58					
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					
10	16QAM	25	25		20.68		22		2	
10	16QAM	50	0		20.64					
10	64QAM	1	0		20.67					
10	64QAM	1	25		20.64					
10	64QAM	1	49		20.59		22		2	
10	64QAM	25	0		19.55					
10	64QAM	25	12		19.49					
10	64QAM	25	25		19.59					
10	64QAM	50	0		19.63		21		3	
Channel				23205	23230	23255				
Frequency (MHz)				779.5	782	784.5				
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	9	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	7	20.46	20.51	20.43				
5	16QAM	12	7	20.43	20.49	20.42				
5	16QAM	12	13	20.50	20.62	20.57	22		2	
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				
5	64QAM	1	24	20.40	20.46	20.44	22		2	
5	64QAM	12	9	19.30	19.44	19.33				
5	64QAM	12	7	19.32	19.43	19.33				
5	64QAM	12	13	19.45	19.55	19.49				
5	64QAM	25	0	19.49	19.54	19.47	21		3	



Band 25 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				26140	26340	26590					
Frequency (MHz)				1880	1880	1905					
20	QPSK	1	0	22.70	22.81	22.65	24	0			
20	QPSK	1	49	22.62	22.69	22.54					
20	QPSK	1	99	22.64	22.65	22.55					
20	QPSK	50	0	21.78	21.79	21.69					
20	QPSK	50	24	21.60	21.70	21.63	23	1			
20	QPSK	50	50	21.50	21.61	21.52					
20	QPSK	100	0	21.55	21.55	21.52					
20	16QAM	1	0	21.46	21.59	21.59					
20	16QAM	1	49	21.54	21.52	21.51	23	1			
20	16QAM	1	99	21.41	21.58	21.41					
20	16QAM	50	0	20.67	20.81	20.74					
20	16QAM	50	24	20.70	20.70	20.58					
20	16QAM	50	50	20.69	20.83	20.68	22	2			
20	16QAM	100	0	20.67	20.70	20.64					
20	64QAM	1	0	20.72	20.88	20.76					
20	64QAM	1	49	20.80	20.83	20.69					
20	64QAM	1	99	20.72	20.76	20.69	22	2			
20	64QAM	50	0	19.73	19.89	19.71					
20	64QAM	50	24	19.67	19.80	19.70					
20	64QAM	50	50	19.79	19.85	19.69					
20	64QAM	100	0	19.72	19.81	19.73	21	3			
Channel				26115	26340	26515			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5					
15	QPSK	1	0	22.59	22.73	22.55	24	0			
15	QPSK	1	37	22.57	22.64	22.40					
15	QPSK	1	74	22.50	22.62	22.49					
15	QPSK	36	0	21.74	21.76	21.60					
15	QPSK	36	20	21.51	21.60	21.57	23	1			
15	QPSK	36	39	21.46	21.57	21.44					
15	QPSK	75	0	21.44	21.54	21.40					
15	16QAM	1	0	21.33	21.48	21.49					
15	16QAM	1	37	21.41	21.39	21.46	23	1			
15	16QAM	1	74	21.29	21.45	21.30					
15	16QAM	36	0	20.60	20.69	20.70					
15	16QAM	36	20	20.56	20.56	20.52			22	2	
15	16QAM	36	39	20.55	20.79	20.61					
15	16QAM	75	0	20.63	20.75	20.55					
15	64QAM	1	0	20.59	20.83	20.70			22	2	
15	64QAM	1	37	20.72	20.77	20.57					
15	64QAM	1	74	20.61	20.65	20.65					
15	64QAM	36	0	19.65	19.79	19.65			21	3	
15	64QAM	36	20	19.53	19.75	19.60					
15	64QAM	36	39	19.75	19.81	19.65					
15	64QAM	75	0	19.63	19.76	19.67			Tune-up limit (dBm)	MPR (dB)	
Channel				26090	26340	26640					
Frequency (MHz)				1855	1880	1910					
10	QPSK	1	0	22.65	22.74	22.60	24	0			
10	QPSK	1	25	22.48	22.63	22.46					
10	QPSK	1	49	22.49	22.52	22.40					
10	QPSK	25	0	21.63	21.76	21.66					
10	QPSK	25	12	21.55	21.57	21.58	23	1			
10	QPSK	25	25	21.37	21.51	21.47					
10	QPSK	50	0	21.50	21.55	21.46					
10	16QAM	1	0	21.38	21.45	21.46					
10	16QAM	1	25	21.43	21.45	21.39	23	1			
10	16QAM	1	49	21.32	21.50	21.31					
10	16QAM	25	0	20.54	20.76	20.69					
10	16QAM	25	12	20.56	20.66	20.51			22	2	
10	16QAM	25	25	20.64	20.76	20.55					
10	16QAM	50	0	20.57	20.74	20.57					
10	64QAM	1	0	20.62	20.74	20.63	22	2			
10	64QAM	1	25	20.66	20.75	20.59					
10	64QAM	1	49	20.62	20.68	20.64					
10	64QAM	25	0	19.61	19.85	19.66			21	3	
10	64QAM	25	12	19.64	19.74	19.62					
10	64QAM	25	25	19.74	19.77	19.60					
10	64QAM	50	0	19.60	19.77	19.61			Tune-up limit (dBm)	MPR (dB)	
Channel				26065	26340	26665					
Frequency (MHz)				1852.5	1880	1912.5					
5	QPSK	1	0	22.57	22.72	22.54	24	0			
5	QPSK	1	12	22.58	22.63	22.44					
5	QPSK	1	24	22.51	22.53	22.51					
5	QPSK	12	0	21.77	21.73	21.54					
5	QPSK	12	7	21.56	21.63	21.58	23	1			
5	QPSK	12	13	21.37	21.48	21.42					
5	QPSK	25	0	21.41	21.51	21.49					
5	16QAM	1	0	21.36	21.53	21.47					
5	16QAM	1	12	21.42	21.49	21.43	23	1			
5	16QAM	1	24	21.27	21.51	21.26					
5	16QAM	12	0	20.55	20.67	20.51					
5	16QAM	12	7	20.62	20.56	20.52			22	2	
5	16QAM	12	13	20.61	20.79	20.60					
5	16QAM	25	0	20.62	20.78	20.57					
5	64QAM	1	0	20.67	20.84	20.63	22	2			
5	64QAM	1	12	20.74	20.69	20.54					
5	64QAM	1	24	20.58	20.66	20.56					
5	64QAM	12	0	19.62	19.86	19.62			21	3	
5	64QAM	12	7	19.62	19.74	19.62					
5	64QAM	12	13	19.64	19.81	19.62					
5	64QAM	25	0	19.66	19.71	19.60			Tune-up limit (dBm)	MPR (dB)	
Channel				26055	26340	26675					
Frequency (MHz)				1851.5	1880	1913.5					
3	QPSK	1	0	22.59	22.68	22.57	24	0			
3	QPSK	1	8	22.56	22.58	22.45					
3	QPSK	1	14	22.61	22.62	22.41					
3	QPSK	8	0	21.63	21.73	21.58					
3	QPSK	8	4	21.50	21.62	21.56	23	1			
3	QPSK	8	7	21.47	21.49	21.44					
3	QPSK	15	0	21.44	21.56	21.45					
3	16QAM	1	0	21.34	21.54	21.52					
3	16QAM	1	8	21.40	21.45	21.43	23	1			
3	16QAM	1	14	21.29	21.52	21.31					
3	16QAM	8	0	20.54	20.76	20.68					
3	16QAM	8	4	20.58	20.67	20.51			22	2	
3	16QAM	8	7	20.61	20.76	20.61					
3	16QAM	15	0	20.53	20.73	20.58					
3	64QAM	1	0	20.67	20.78	20.65	22	2			
3	64QAM	1	8	20.69	20.76	20.57					
3	64QAM	1	14	20.60	20.65	20.65					
3	64QAM	8	0	19.70	19.78	19.62			21	3	
3	64QAM	8	4	19.59	19.65	19.60					
3	64QAM	8	7	19.73	19.77	19.60					
3	64QAM	15	0	19.64	19.68	19.62			Tune-up limit (dBm)	MPR (dB)	
Channel				26047	26340	26683					

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	21.94	22.01	21.94			
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	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				20825	21100	21375			
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	21.76	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	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	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	20.86	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	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	19.76	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	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	20.79			
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	22	2	
5	64QAM	1	24	20.78	20.82	20.75			
5	64QAM	12	0	19.90	19.94	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 38 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				37850	38000	38150						
Frequency (MHz)				2580	2595	2610						
20	QPSK	1	0	22.78	22.88	22.81	24	0				
20	QPSK	1	49	22.74	22.77	22.72						
20	QPSK	1	99	22.69	22.75	22.63						
20	QPSK	50	0	21.73	21.87	21.67						
20	QPSK	50	24	21.63	21.73	21.63	23	1				
20	QPSK	50	50	21.55	21.72	21.63						
20	QPSK	100	0	21.63	21.75	21.69						
20	16QAM	1	0	21.78	21.85	21.84						
20	16QAM	1	49	21.80	21.81	21.79	23	1				
20	16QAM	1	99	21.86	21.73	21.69						
20	16QAM	50	0	20.86	20.93	20.86						
20	16QAM	50	24	20.81	20.80	20.72						
20	16QAM	50	50	20.80	20.82	20.81	22	2				
20	16QAM	100	0	20.68	20.86	20.68						
20	64QAM	1	0	20.80	20.87	20.68						
20	64QAM	1	49	20.72	20.75	20.69						
20	64QAM	1	99	20.62	20.69	20.64	22	2				
20	64QAM	50	0	19.81	19.90	19.83						
20	64QAM	50	24	19.68	19.82	19.64						
20	64QAM	50	50	19.76	19.82	19.77						
20	64QAM	100	0	19.69	19.94	19.66	21	3				
Channel				37825	38000	38175						
Frequency (MHz)				2577.5	2595	2612.5						
15	QPSK	1	0	22.69	22.84	22.73				24	0	
15	QPSK	1	37	22.67	22.66	22.58						
15	QPSK	1	74	22.60	22.64	22.54						
15	QPSK	36	0	21.82	21.74	21.61						
15	QPSK	36	20	21.57	21.59	21.58	23	1				
15	QPSK	36	39	21.46	21.59	21.56						
15	QPSK	75	0	21.52	21.70	21.54						
15	16QAM	1	0	21.75	21.79	21.73						
15	16QAM	1	37	21.66	21.77	21.68	23	1				
15	16QAM	1	74	21.61	21.61	21.61						
15	16QAM	36	0	20.80	20.89	20.75						
15	16QAM	36	20	20.76	20.88	20.63						
15	16QAM	36	39	20.76	20.72	20.77	22	2				
15	16QAM	75	0	20.54	20.78	20.56						
15	64QAM	1	0	20.74	20.74	20.60						
15	64QAM	1	37	20.67	20.67	20.59						
15	64QAM	1	74	20.57	20.56	20.60	22	2				
15	64QAM	36	0	19.75	19.85	19.69						
15	64QAM	36	20	19.65	19.71	19.54						
15	64QAM	36	39	19.65	19.70	19.72						
15	64QAM	75	0	19.59	19.79	19.60	21	3				
Channel				37800	38000	38200						
Frequency (MHz)				2575	2595	2615						
10	QPSK	1	0	22.66	22.81	22.70				24	0	
10	QPSK	1	25	22.65	22.68	22.64						
10	QPSK	1	49	22.54	22.69	22.61						
10	QPSK	25	0	21.67	21.78	21.63						
10	QPSK	25	12	21.50	21.59	21.55	23	1				
10	QPSK	25	25	21.50	21.68	21.56						
10	QPSK	50	0	21.53	21.81	21.65						
10	16QAM	1	0	21.63	21.81	21.80						
10	16QAM	1	25	21.75	21.69	21.67	23	1				
10	16QAM	1	49	21.53	21.66	21.58						
10	16QAM	25	0	20.76	20.87	20.71						
10	16QAM	25	12	20.75	20.66	20.60						
10	16QAM	25	25	20.69	20.71	20.76	22	2				
10	16QAM	50	0	20.56	20.79	20.59						
10	64QAM	1	0	20.70	20.82	20.59						
10	64QAM	1	25	20.60	20.69	20.59						
10	64QAM	1	49	20.57	20.62	20.54	22	2				
10	64QAM	25	0	19.68	19.78	19.77						
10	64QAM	25	12	19.54	19.68	19.53						
10	64QAM	25	25	19.65	19.68	19.68						
10	64QAM	50	0	19.62	19.75	19.55	21	3				
Channel				37775	38000	38225						
Frequency (MHz)				2572.5	2595	2617.5						
5	QPSK	1	0	22.72	22.84	22.74				24	0	
5	QPSK	1	12	22.69	22.67	22.67						
5	QPSK	1	24	22.57	22.71	22.68						
5	QPSK	12	0	21.65	21.78	21.53						
5	QPSK	12	7	21.55	21.65	21.58	23	1				
5	QPSK	12	13	21.46	21.64	21.50						
5	QPSK	25	0	21.55	21.65	21.64						
5	16QAM	1	0	21.70	21.74	21.71						
5	16QAM	1	12	21.70	21.70	21.66	23	1				
5	16QAM	1	24	21.59	21.58	21.61						
5	16QAM	12	0	20.76	20.87	20.74						
5	16QAM	12	7	20.72	20.73	20.64						
5	16QAM	12	13	20.74	20.69	20.72	22	2				
5	16QAM	25	0	20.54	20.76	20.59						
5	64QAM	1	0	20.68	20.84	20.59						
5	64QAM	1	12	20.60	20.64	20.56						
5	64QAM	1	24	20.49	20.63	20.54	22	2				
5	64QAM	12	0	19.69	19.78	19.72						
5	64QAM	12	7	19.55	19.76	19.54						
5	64QAM	12	13	19.71	19.78	19.69						
5	64QAM	25	0	19.60	19.72	19.56	21	3				

Band 41 Ant1 Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.93	22.84	22.97	22.91	22.79	24	0
20	QPSK	1	49	22.72	22.83	22.86	22.88	22.82		
20	QPSK	1	99	22.71	22.74	22.83	22.78	22.66		
20	QPSK	50	0	21.78	21.85	21.93	21.76	21.70		
20	QPSK	50	24	21.64	21.79	21.76	21.76	21.58	23	1
20	QPSK	50	50	21.72	21.61	21.87	21.72	21.71		
20	QPSK	100	0	21.87	21.77	21.91	21.81	21.73		
20	16QAM	1	0	21.93	21.94	21.97	21.94	21.82		
20	16QAM	1	49	21.84	21.86	21.88	21.92	21.71	23	1
20	16QAM	1	99	21.78	21.73	21.89	21.76	21.67		
20	16QAM	50	0	21.04	20.96	21.08	20.98	20.95		
20	16QAM	50	24	20.86	20.90	20.89	20.83	20.85		
20	16QAM	50	50	20.83	20.87	20.93	20.97	20.77	22	2
20	16QAM	100	0	20.85	20.74	20.93	20.80	20.75		
20	64QAM	1	0	20.79	20.87	20.92	20.82	20.73		
20	64QAM	1	49	20.78	20.87	20.81	20.86	20.57		
20	64QAM	1	99	20.69	20.70	20.80	20.75	20.62	22	2
20	64QAM	50	0	19.84	19.87	19.99	19.88	19.76		
20	64QAM	50	24	19.74	19.83	19.88	19.71	19.65		
20	64QAM	50	50	19.76	19.86	19.88	19.82	19.65		
20	64QAM	100	0	19.73	19.85	19.90	19.76	19.67	21	3
Channel				39725	40173	40620	41055	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5		
15	QPSK	1	0	22.85	22.72	22.93	22.79	22.65		
15	QPSK	1	37	22.57	22.72	22.74	22.81	22.63		
15	QPSK	1	74	22.60	22.68	22.69	22.68	22.62		
15	QPSK	36	0	21.69	21.80	21.79	21.66	21.71		
15	QPSK	36	20	21.59	21.75	21.73	21.67	21.43	23	1
15	QPSK	36	39	21.61	21.51	21.77	21.67	21.62		
15	QPSK	75	0	21.73	21.72	21.82	21.77	21.62		
15	16QAM	1	0	21.81	21.83	21.83	21.83	21.75		
15	16QAM	1	37	21.80	21.77	21.79	21.83	21.57	23	1
15	16QAM	1	74	21.66	21.66	21.63	21.77	21.58		
15	16QAM	36	0	20.95	20.84	21.00	20.87	20.82		
15	16QAM	36	20	20.79	20.78	20.75	20.69	20.64		
15	16QAM	36	39	20.73	20.87	20.79	20.90	20.68	22	2
15	16QAM	75	0	20.80	20.87	20.79	20.72	20.68		
15	64QAM	1	0	20.72	20.72	20.86	20.78	20.61		
15	64QAM	1	37	20.71	20.80	20.68	20.78	20.55		
15	64QAM	1	74	20.61	20.58	20.58	20.61	20.58	22	2
15	64QAM	36	0	19.84	19.81	19.86	19.83	19.65		
15	64QAM	36	20	19.63	19.69	19.73	19.65	19.55		
15	64QAM	36	39	19.65	19.77	19.75	19.71	19.53		
15	64QAM	75	0	19.76	19.72	19.80	19.66	19.59	21	3
Channel				39675	40160	40620	41080	41540		
Frequency (MHz)				2499.5	25437	2593	2643.9	2697.5		
10	QPSK	1	0	22.85	22.71	22.88	22.80	22.70		
10	QPSK	1	25	22.66	22.79	22.75	22.82	22.68		
10	QPSK	1	49	22.66	22.62	22.75	22.67	22.62		
10	QPSK	25	0	21.69	21.77	21.88	21.62	21.73		
10	QPSK	25	12	21.52	21.70	21.68	21.66	21.51	23	1
10	QPSK	25	25	21.64	21.50	21.74	21.63	21.63		
10	QPSK	50	0	21.79	21.70	21.86	21.73	21.68		
10	16QAM	1	0	21.88	21.81	21.82	21.85	21.69		
10	16QAM	1	25	21.79	21.74	21.80	21.89	21.64	23	1
10	16QAM	1	49	21.75	21.63	21.78	21.71	21.66		
10	16QAM	25	0	20.91	20.84	20.98	20.90	20.71		
10	16QAM	25	12	20.80	20.77	20.77	20.72	20.78		
10	16QAM	25	25	20.76	20.85	20.81	20.93	20.68	22	2
10	16QAM	50	0	20.78	20.63	20.79	20.69	20.62		
10	64QAM	1	0	20.67	20.78	20.84	20.73	20.66		
10	64QAM	1	25	20.67	20.78	20.71	20.71	20.52		
10	64QAM	1	49	20.55	20.64	20.67	20.67	20.51	22	2
10	64QAM	25	0	19.82	19.75	19.85	19.82	19.65		
10	64QAM	25	12	19.64	19.68	19.84	19.61	19.58		
10	64QAM	25	25	19.65	19.74	19.75	19.70	19.59		
10	64QAM	50	0	19.66	19.76	19.77	19.71	19.62	21	3
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	25433	2593	2643.9	2697.5		
5	QPSK	1	0	22.79	22.73	22.83	22.71	22.61		
5	QPSK	1	12	22.61	22.77	22.82	22.76	22.69		
5	QPSK	1	24	22.63	22.60	22.78	22.70	22.61		
5	QPSK	12	0	21.73	21.73	21.89	21.65	21.73		
5	QPSK	12	7	21.60	21.68	21.65	21.65	21.56	23	1
5	QPSK	12	13	21.63	21.52	21.80	21.63	21.67		
5	QPSK	25	0	21.62	21.65	21.81	21.71	21.69		
5	16QAM	0	0	21.84	21.86	21.90	21.85	21.72		
5	16QAM	1	12	21.76	21.74	21.84	21.85	21.67	23	1
5	16QAM	1	24	21.71	21.59	21.76	21.82	21.58		
5	16QAM	12	0	20.97	20.87	20.98	20.89	20.89		
5	16QAM	12	7	20.75	20.79	20.81	20.68	20.67		
5	16QAM	12	13	20.79	20.92	20.79	20.84	20.73	22	2
5	16QAM	25	0	20.76	20.67	20.80	20.72	20.67		
5	64QAM	1	0	20.69	20.80	20.78	20.74	20.65		
5	64QAM	1	12	20.70	20.82	20.72	20.72	20.51		
5	64QAM	1	24	20.60	20.57	20.70	20.66	20.55	22	2
5	64QAM	12	0	19.89	19.77	19.85	19.78	19.68		
5	64QAM	12	7	19.69	19.75	19.84	19.57	19.62		
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57	21	3
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	25433	2593	2643.9	2697.5		
5	QPSK	1	0	22.79	22.73	22.83	22.71	22.61		
5	QPSK	1	12	22.61	22.77	22.82	22.76	22.69		
5	QPSK	1	24	22.63	22.60	22.78	22.70	22.61		
5	QPSK	12	0	21.73	21.73	21.89	21.65	21.73		
5	QPSK	12	7	21.60	21.68	21.65	21.65	21.56	23	1
5	QPSK	12	13	21.63	21.52	21.80	21.63	21.67		
5	QPSK	25	0	21.62	21.65	21.81	21.71	21.69		
5	16QAM	0	0	21.84	21.86	21.90	21.85	21.72		
5	16QAM	1	12	21.76	21.74	21.84	21.85	21.67	23	1
5	16QAM	1	24	21.71	21.59	21.76	21.82	21.58		
5	16QAM	12	0	20.97	20.87	20.98	20.89	20.89		
5	16QAM	12	7	20.75	20.79	20.81	20.68	20.67		
5	16QAM	12	13	20.79	20.92	20.79	20.84	20.73	22	2
5	16QAM	25	0	20.76	20.67	20.80	20.72	20.67		
5	64QAM	1	0	20.69	20.80	20.78	20.74	20.65		
5	64QAM	1	12	20.70	20.82	20.72	20.72	20.51		
5	64QAM	1	24	20.60	20.57	20.70	20.66	20.55	22	2
5	64QAM	12	0	19.89	19.77	19.85	19.78	19.68		
5	64QAM	12	7	19.69	19.75	19.84	19.57	19.62		
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57	21	3
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	25433	2593	2643.9	2697.5		
5	QPSK	1	0	22.79	22.73	22.83	22.71	22.61		
5	QPSK	1	12	22.61	22.77	22.82	22.76	22.69		
5	QPSK	1	24	22.63	22.60	22.78	22.70	22.61		
5	QPSK	12	0	21.73	21.73	21.89	21.65	21.73		
5	QPSK	12	7	21.60	21.68	21.65	21.65	21.56	23	1
5	QPSK	12	13	21.63	21.52	21.80	21.63	21.67		
5	QPSK	25	0	21.62	21.65	21.81	21.71	21.69		
5	16QAM	0	0	21.84	21.86	21.90	21.85	21.72		
5	16QAM	1	12	21.76	21.74	21.84	21.85	21.67	23	1
5	16QAM	1	24	21.71	21.59	21.76	21.82	21.58		
5	16QAM	12	0	20.97	20.87	20.98	20.89	20.89		
5	16QAM	12	7	20.75	20.79	20.81	20.68	20.67		
5	16QAM	12	13	20.79	20.92	20.79	20.84	20.73	22	2
5	16QAM	25	0	20.76	20.67	20.80	20.72	20.67		
5	64QAM	1	0	20.69	20.80	20.78	20.74	20.65		
5	64QAM	1	12	20.70	20.82	20.72	20.72	20.51		
5	64QAM	1	24	20.60	20.57	20.70	20.66	20.55	22	2
5	64QAM	12	0	19.89	19.77	19.85	19.78	19.68		
5	64QAM	12	7	19.69	19.75	19.84	19.57	19.62		
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57	21	3
Channel				39675	40148	40620	41093	41555		
Frequency (MHz)				2498.5	25433	2593	2643.9	2697.5		
5	QPSK	1	0	22.79	22.73	22.83	22.71	22.61		
5	QPSK	1	12	22.61	22.77	22.82	22.76	22.69		
5	QPSK	1	24	22.63	22.60	22.78	22.70	22.61		
5	QPSK	12	0	21.						



Band 2 Ant4 Default										
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				1600	1600	1600				
Frequency (MHz)				1600	1600	1600				
20	QPSK	1	0	19.77	19.84	19.82	21	0		
20	QPSK	1	49	19.73	19.76	19.68				
20	QPSK	1	99	19.65	19.71	19.58				
20	QPSK	50	0	18.94	18.97	18.89	20	1		
20	QPSK	50	24	18.78	18.91	18.79				
20	QPSK	50	50	18.75	18.86	18.75				
20	QPSK	100	0	18.82	18.92	18.81	20	1		
20	16QAM	1	0	18.70	18.82	18.72				
20	16QAM	1	49	18.71	18.76	18.62				
20	16QAM	1	99	18.65	18.72	18.61	19	2		
20	16QAM	50	0	17.95	18.03	17.95				
20	16QAM	50	24	17.85	17.95	17.80				
20	16QAM	50	50	17.86	17.99	17.91	19	2		
20	16QAM	100	0	17.93	17.98	17.82				
20	64QAM	1	0	17.67	17.77	17.63				
20	64QAM	1	49	17.64	17.71	17.63	19	2		
20	64QAM	1	99	17.53	17.67	17.59				
20	64QAM	50	0	16.97	17.00	16.87				
20	64QAM	50	24	16.86	16.91	16.83	18	3		
20	64QAM	50	50	16.82	16.96	16.90				
20	64QAM	100	0	16.85	16.93	16.81				
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	19.72	19.79	19.69	21	0		
15	QPSK	1	37	19.67	19.62	19.64				
15	QPSK	1	74	19.61	19.56	19.49				
15	QPSK	36	0	18.83	18.88	18.84	20	1		
15	QPSK	36	20	18.71	18.79	18.72				
15	QPSK	36	36	18.61	18.81	18.68				
15	QPSK	75	0	18.75	18.83	18.73	20	1		
15	16QAM	1	0	18.66	18.71	18.58				
15	16QAM	1	37	18.57	18.71	18.50				
15	16QAM	1	74	18.58	18.60	18.56	19	2		
15	16QAM	36	0	17.83	17.93	17.90				
15	16QAM	36	20	17.78	17.80	17.68				
15	16QAM	36	36	17.80	17.92	17.87	19	2		
15	16QAM	75	0	17.86	17.87	17.75				
15	64QAM	1	0	17.55	17.72	17.58				
15	64QAM	1	37	17.52	17.62	17.53	19	2		
15	64QAM	1	74	17.38	17.62	17.45				
15	64QAM	36	0	16.89	16.90	16.83				
15	64QAM	36	20	16.73	16.80	16.70	18	3		
15	64QAM	36	36	16.79	16.83	16.76				
15	64QAM	75	0	16.70	16.81	16.77				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	19.63	19.80	19.75	21	0		
10	QPSK	1	25	19.69	19.69	19.64				
10	QPSK	1	49	19.57	19.61	19.50				
10	QPSK	25	0	18.90	18.91	18.79	20	1		
10	QPSK	25	12	18.72	18.90	18.87				
10	QPSK	25	25	18.71	18.81	18.80				
10	QPSK	50	0	18.70	18.87	18.73	20	1		
10	16QAM	1	0	18.58	18.75	18.63				
10	16QAM	1	25	18.66	18.64	18.55				
10	16QAM	1	49	18.50	18.67	18.49	19	2		
10	16QAM	25	0	17.90	17.99	17.91				
10	16QAM	25	12	17.80	17.89	17.70				
10	16QAM	25	25	17.82	17.92	17.86	19	2		
10	16QAM	50	0	17.78	17.86	17.75				
10	64QAM	1	0	17.55	17.68	17.58				
10	64QAM	1	25	17.54	17.58	17.53	19	2		
10	64QAM	1	49	17.41	17.63	17.51				
10	64QAM	25	0	16.90	16.95	16.79				
10	64QAM	25	12	16.78	16.82	16.70	18	3		
10	64QAM	25	25	16.73	16.82	16.80				
10	64QAM	50	0	16.80	16.86	16.68				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	19.66	19.73	19.71	21	0		
5	QPSK	1	12	19.68	19.65	19.56				
5	QPSK	1	24	19.60	19.62	19.48				
5	QPSK	12	0	18.88	18.87	18.85	20	1		
5	QPSK	12	7	18.74	18.78	18.76				
5	QPSK	12	13	18.71	18.79	18.63				
5	QPSK	25	0	18.76	18.89	18.76	20	1		
5	16QAM	1	0	18.62	18.75	18.66				
5	16QAM	1	12	18.67	18.64	18.48				
5	16QAM	1	24	18.61	18.69	18.55	19	2		
5	16QAM	12	0	17.83	17.96	17.86				
5	16QAM	12	7	17.79	17.90	17.65				
5	16QAM	12	13	17.80	17.86	17.85	19	2		
5	16QAM	25	0	17.86	17.84	17.68				
5	64QAM	1	0	17.53	17.68	17.49				
5	64QAM	1	12	17.59	17.65	17.59	19	2		
5	64QAM	1	24	17.47	17.58	17.54				
5	64QAM	12	0	16.90	16.95	16.82				
5	64QAM	12	7	16.72	16.82	16.78	18	3		
5	64QAM	12	13	16.76	16.85	16.83				
5	64QAM	25	0	16.80	16.88	16.66				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1906.5				
3	QPSK	1	0	19.65	19.80	19.73	21	0		
3	QPSK	1	8	19.64	19.68	19.61				
3	QPSK	1	14	19.60	19.60	19.50				
3	QPSK	8	0	18.83	18.86	18.80	20	1		
3	QPSK	8	4	18.73	18.76	18.69				
3	QPSK	8	7	18.71	18.77	18.61				
3	QPSK	15	0	18.69	18.87	18.67	20	1		
3	16QAM	1	0	18.57	18.74	18.68				
3	16QAM	1	8	18.60	18.73	18.51				
3	16QAM	1	14	18.55	18.58	18.49	19	2		
3	16QAM	8	0	17.86	17.93	17.86				
3	16QAM	8	4	17.73	17.85	17.67				
3	16QAM	8	7	17.75	17.91	17.79	19	2		
3	16QAM	15	0	17.90	17.89	17.73				
3	64QAM	1	0	17.53	17.72	17.54				
3	64QAM	1	8	17.53	17.59	17.59	19	2		
3	64QAM	1	14	17.44	17.64	17.51				
3	64QAM	8	0	16.91	16.85	16.79				
3	64QAM	8	4	16.77	16.80	16.73	18	3		
3	64QAM	8	7	16.69	16.85	16.85				
3	64QAM	15	0	16.80	16.89	16.71				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18507	1880	1900.3				
1.4	QPSK	1	0	19.69	19.78	19.72	21	0		
1.4	QPSK	1	3	19.64	19.68	19.57				
1.4	QPSK	1	5	19.55	19.56	19.55				
1.4	QPSK	3	0	19.65	19.72	19.69	20	1		
1.4	QPSK	3	3	19.67	19.62	19.53				
1.4	QPSK	6	0	18.84	18.92	18.78				
1.4	16QAM	1	0	18.75	18.77	18.65	19	2		
1.4	16QAM	1	3	18.71	18.71	18.66				
1.4	16QAM	1	5	18.73	18.73	18.67				
1.4	16QAM	3	0	18.55	18.72	18.58	20	1		
1.4	16QAM	3	1	18.61	18.70	18.55				
1.4	16QAM	6	0	18.60	18.58	18.53				
1.4	16QAM	6	0	17.84	17.99	17.91	19	2		
1.4	64QAM	1	0	17.72	17.87	17.67				
1.4	64QAM	1	3	17.83	17.93	17.80				
1.4	64QAM	1	5	17.84	17.87	17.82	19	2		
1.4	64QAM	3	0	17.63	17.55	17.60				
1.4	64QAM	3	1	17.52	17.56	17.59				
1.4	64QAM	3	3	17.42	17.55	17.48	18	3		
1.4	64QAM	6	0	16.90	16.94	16.81				

Band 5 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.93	21.96	21.79	22.5	0	
10	QPSK	1	25	21.89	21.88	21.75			
10	QPSK	1	49	21.64	21.83	21.85			
10	QPSK	25	0	20.80	21.01	20.91			
10	QPSK	25	12	20.75	20.95	20.96	21.5	1	
10	QPSK	25	25	20.72	20.90	20.92			
10	QPSK	50	0	20.75	20.93	20.88			
10	16QAM	1	0	20.91	20.96	20.96			
10	16QAM	1	25	20.76	20.90	20.91	21.5	1	
10	16QAM	1	49	20.73	20.86	20.76			
10	16QAM	25	0	19.84	19.98	19.89			
10	16QAM	25	12	19.90	19.90	19.88			
10	16QAM	25	25	19.96	19.94	19.92	20.5	2	
10	16QAM	50	0	19.69	19.90	19.78			
10	64QAM	1	0	19.74	19.92	19.78			
10	64QAM	1	25	19.84	19.86	19.76			
10	64QAM	1	49	19.76	19.82	19.81	20.5	2	
10	64QAM	25	0	18.81	18.92	18.89			
10	64QAM	25	12	18.78	18.83	18.79			
10	64QAM	25	25	18.80	18.80	18.80			
10	64QAM	50	0	18.80	18.87	18.85	19.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.84	21.91	21.71	22.5	0	
5	QPSK	1	12	21.75	21.82	21.75			
5	QPSK	1	24	21.47	21.84	21.81			
5	QPSK	12	0	20.68	20.87	20.92			
5	QPSK	12	7	20.66	20.90	20.90	21.5	1	
5	QPSK	12	13	20.61	20.69	20.85			
5	QPSK	25	0	20.75	20.79	20.74			
5	16QAM	1	0	20.73	20.82	20.75			
5	16QAM	1	12	20.71	20.92	20.85	21.5	1	
5	16QAM	1	24	20.55	20.67	20.71			
5	16QAM	12	0	19.81	19.96	19.85			
5	16QAM	12	7	19.79	19.76	19.87			
5	16QAM	12	13	19.76	19.90	19.87	20.5	2	
5	16QAM	25	0	19.61	19.70	19.68			
5	64QAM	1	0	19.63	19.90	19.80			
5	64QAM	1	12	19.82	19.73	19.64			
5	64QAM	1	24	19.77	19.61	19.61	20.5	2	
5	64QAM	12	0	18.82	18.73	18.84			
5	64QAM	12	7	18.59	18.62	18.71			
5	64QAM	12	13	18.72	18.67	18.77			
5	64QAM	25	0	18.75	18.83	18.65	19.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.93	21.76	21.60	22.5	0	
3	QPSK	1	8	21.74	21.67	21.67			
3	QPSK	1	14	21.56	21.72	21.77			
3	QPSK	8	0	20.65	21.02	20.93			
3	QPSK	8	4	20.71	20.82	20.81	21.5	1	
3	QPSK	8	7	20.65	20.72	20.81			
3	QPSK	15	0	20.73	20.86	20.87			
3	16QAM	1	0	20.83	20.86	20.79			
3	16QAM	1	8	20.60	20.89	20.80	21.5	1	
3	16QAM	1	14	20.64	20.79	20.77			
3	16QAM	8	0	19.91	19.97	19.71			
3	16QAM	8	4	19.76	19.72	19.71			
3	16QAM	8	7	19.90	19.79	19.75	20.5	2	
3	16QAM	15	0	19.50	19.76	19.70			
3	64QAM	1	0	19.76	19.70	19.75			
3	64QAM	1	8	19.64	19.87	19.75			
3	64QAM	1	14	19.71	19.73	19.70	20.5	2	
3	64QAM	8	0	18.60	18.80	18.82			
3	64QAM	8	4	18.62	18.78	18.61			
3	64QAM	8	7	18.71	18.77	18.79			
3	64QAM	15	0	18.60	18.80	18.83	19.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.82	21.87	21.64	22.5	0	
1.4	QPSK	1	3	21.85	21.84	21.56			
1.4	QPSK	1	5	21.59	21.72	21.82			
1.4	QPSK	3	0	21.78	21.80	21.67			
1.4	QPSK	3	1	21.44	21.71	21.73	21.5	1	
1.4	QPSK	3	3	21.55	21.52	21.56			
1.4	QPSK	6	0	20.54	20.91	20.73			
1.4	16QAM	1	0	20.91	20.81	20.79			
1.4	16QAM	1	3	20.72	20.77	20.71	21.5	1	
1.4	16QAM	1	5	20.60	20.78	20.74			
1.4	16QAM	3	0	20.89	20.85	20.97			
1.4	16QAM	3	1	20.67	20.90	20.93			
1.4	16QAM	3	3	20.63	20.82	20.67	20.5	2	
1.4	16QAM	6	0	19.64	19.70	19.60			
1.4	64QAM	1	0	19.75	19.79	19.71			
1.4	64QAM	1	3	19.64	19.73	19.70			
1.4	64QAM	1	5	19.77	19.62	19.61	20.5	2	
1.4	64QAM	3	0	19.69	19.85	19.58			
1.4	64QAM	3	1	19.63	19.78	19.58			
1.4	64QAM	3	3	19.72	19.83	19.75			
1.4	64QAM	6	0	18.63	18.72	18.71	19.5	3	

Band 66 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							Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)									
20	QPSK	1	0	20.72	20.83	20.74	21.5	0	
20	QPSK	1	49	20.75	20.77	20.65			
20	QPSK	1	99	20.62	20.77	20.55			
20	QPSK	50	0	19.85	19.90	19.83			
20	QPSK	50	24	19.84	19.85	19.81	20.5	1	
20	QPSK	50	50	19.80	19.82	19.71			
20	QPSK	100	0	19.87	19.95	19.77			
20	16QAM	1	0	19.74	19.71	19.72			
20	16QAM	1	49	19.62	19.72	19.55	20.5	1	
20	16QAM	1	99	19.63	19.65	19.60			
20	16QAM	50	0	18.89	18.87	18.96			
20	16QAM	50	24	18.80	18.90	18.74			
20	16QAM	50	50	18.76	18.93	18.93	19.5	2	
20	16QAM	100	0	18.82	18.95	18.76			
20	64QAM	1	0	18.65	18.67	18.61			
20	64QAM	1	49	18.62	18.64	18.61			
20	64QAM	1	99	18.45	18.68	18.57	19.5	2	
20	64QAM	50	0	17.88	17.94	17.74			
20	64QAM	50	24	17.81	17.89	17.82			
20	64QAM	50	50	17.83	17.86	17.83			
20	64QAM	100	0	17.92	17.92	17.80	18.5	3	
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.75	20.80	20.69			
15	QPSK	1	37	20.70	20.62	20.60			
15	QPSK	1	74	20.54	20.68	20.50			
15	QPSK	36	0	19.80	19.79	19.75			
15	QPSK	36	20	19.72	19.73	19.67	20.5	1	
15	QPSK	36	39	19.73	19.73	19.59			
15	QPSK	75	0	19.79	19.93	19.71			
15	16QAM	1	0	19.62	19.65	19.69			
15	16QAM	1	37	19.50	19.69	19.47	20.5	1	
15	16QAM	1	74	19.53	19.59	19.57			
15	16QAM	36	0	18.75	18.96	18.86			
15	16QAM	36	20	18.75	18.82	18.69			
15	16QAM	36	39	18.76	18.83	18.64	19.5	2	
15	16QAM	75	0	18.73	18.87	18.68			
15	64QAM	1	0	18.54	18.56	18.54			
15	64QAM	1	37	18.56	18.57	18.47			
15	64QAM	1	74	18.36	18.59	18.45	19.5	2	
15	64QAM	36	0	17.81	17.82	17.61			
15	64QAM	36	20	17.88	17.76	17.79			
15	64QAM	36	39	17.72	17.79	17.67			
15	64QAM	75	0	17.78	17.79	17.67	18.5	3	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.71	20.76	20.57			
10	QPSK	1	25	20.58	20.53	20.46			
10	QPSK	1	49	20.42	20.60	20.37			
10	QPSK	25	0	19.65	19.72	19.70			
10	QPSK	25	12	19.64	19.72	19.61	20.5	1	
10	QPSK	25	25	19.67	19.69	19.48			
10	QPSK	50	0	19.68	19.78	19.57			
10	16QAM	1	0	19.56	19.56	19.58			
10	16QAM	1	25	19.43	19.61	19.33	20.5	1	
10	16QAM	1	49	19.49	19.49	19.54			
10	16QAM	25	0	18.71	18.91	18.76			
10	16QAM	25	12	18.64	18.76	18.60			
10	16QAM	25	25	18.48	18.78	18.61	19.5	2	
10	16QAM	50	0	18.66	18.83	18.59			
10	64QAM	1	0	18.44	18.41	18.47			
10	64QAM	1	25	18.49	18.50	18.40			
10	64QAM	1	49	18.32	18.53	18.41	19.5	2	
10	64QAM	25	0	17.77	17.78	17.57			
10	64QAM	25	12	17.58	17.68	17.57			
10	64QAM	25	25	17.84	17.70	17.61			
10	64QAM	50	0	17.63	17.74	17.52	18.5	3	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.69	20.73	20.50			
5	QPSK	1	12	20.59	20.51	20.50			
5	QPSK	1	24	20.50	20.55	20.42			
5	QPSK	12	0	19.64	19.71	19.70			
5	QPSK	12	7	19.67	19.62	19.68	20.5	1	
5	QPSK	12	13	19.63	19.64	19.51			
5	QPSK	25	0	19.71	19.79	19.62			
5	16QAM	1	0	19.53	19.59	19.62			
5	16QAM	1	12	19.43	19.63	19.42	20.5	1	
5	16QAM	1	24	19.49	19.51	19.40			
5	16QAM	12	0	18.65	18.81	18.62			
5	16QAM	12	7	18.66	18.69	18.61			
5	16QAM	12	13	18.48	18.72	18.54	19.5	2	
5	16QAM	25	0	18.60	18.74	18.56			
5	64QAM	1	0	18.49	18.45	18.42			
5	64QAM	1	12	18.50	18.53	18.33			
5	64QAM	1	24	18.26	18.47	18.38	19.5	2	
5	64QAM	12	0	17.66	17.74	17.55			
5	64QAM	12	7	17.67	17.70	17.61			
5	64QAM	12	13	17.67	17.74	17.51			
5	64QAM	25	0	17.64	17.68	17.57	18.5	3	
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.67	20.70	20.55			
3	QPSK	1	8	20.62	20.54	20.48			
3	QPSK	1	14	20.49	20.58	20.40			
3	QPSK	8	0	19.67	19.70	19.61			
3	QPSK	8	4	19.68	19.69	19.56	20.5	1	
3	QPSK	8	7	19.65	19.67	19.48			
3	16QAM	1	0	19.48	19.53	19.61			
3	16QAM	1	8	19.39	19.56	19.35			
3	16QAM	1	14	19.48	19.47	19.47	20.5	1	
3	16QAM	8	0	18.66	18.81	18.76			
3	16QAM	8	4	18.65	18.76	18.65			
3	16QAM	8	7	18.60	18.69	18.75			
3	16QAM	15	0	18.69	18.74	18.63	19.5	2	
3	64QAM	1	0	18.44	18.46	18.33			
3	64QAM	1	8	18.49	18.50	18.37			
3	64QAM	1	14	18.24	18.55	18.40			
3	64QAM	8	0	17.78	17.80	17.69	18.5	3	
3	64QAM	8	4	17.58	17.73	17.73			
3	64QAM	8	7	17.58	17.65	17.72			
3	64QAM	15	0	17.68	17.67	17.63			
Channel							Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)									
1.4	QPSK	1	0	20.73	20.72	20.66	21.5	0	
1.4	QPSK	1	3	20.70	20.72	20.59			
1.4	QPSK	1	6	20.46	20.66	20.44			
1.4	QPSK	3	0	20.68	20.72	20.64			
1.4	QPSK	3	1	20.63	20.52	20.50	20.5	1	
1.4	QPSK	3	3	20.48	20.57	20.40			
1.4	QPSK	6	0	19.71	19.65	19.64			
1.4	16QAM	1	0	19.65	19.59	19.54			
1.4	16QAM	1	3	19.62	19.59	19.44	20.5	1	
1.4	QPSK	1	6	19.69	19.65	19.61			
1.4	16QAM	3	0	19.52	19.55	19.57			
1.4	16QAM	3	1	19.44	19.55	19.40			
1.4	16QAM	3	3	19.43	19.51	19.38	19.5	2	
1.4	16QAM	6	0	18.67	18.85	18.72			
1.4	64QAM	1	0	17.69	17.72	17.62			
1.4	64QAM	1	3	17.53	17.67	17.74			
1.4	QPSK	1	6	17.62	17.81	17.61	19.5	2	
1.4	QPSK	1	9	17.48	17.61	17.61			
1.4	64QAM	3	0	18.48	18.48	18.46			
1.4	64QAM	3	1	18.46	18.54	18.32			
1.4	64QAM	3	3	18.25	18.46	18.39	18.5	3	
1.4	64QAM	6	0	17.69	17.78	17.53			

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		
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		
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		
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		
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		
20	16QAM	100	0	20.23	20.34	20.29			
20	64QAM	1	0	20.26	20.13	20.01			
20	64QAM	1	49	20.01	20.07	20.00	22		
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		
20	64QAM	50	50	19.15	19.20	19.13			
20	64QAM	100	0	19.16	19.29	19.23			
Channel				42105	42590	43015			
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	22.20	22.28	22.18	24		
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	21.36	21.18	23		
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		
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		
15	16QAM	36	0	20.26	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		
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		
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		
15	64QAM	36	39	19.03	19.15	19.06			
15	64QAM	75	0	19.11	19.24	19.09			
Channel				42140	42590	43060			
Frequency (MHz)				3455	3500	3545			
10	QPSK	1	0	22.19	22.21	22.14	24		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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	21		
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		
5	64QAM	12	13	19.06	19.17	19.07			
5	64QAM	25	0	19.01	19.26	19.10			

ECI6 Power

GSM850 Ant0 ECI6									
GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.58	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		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		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	16.27	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

WCDMA II Ant0 ECI6									
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1637	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 AMR 12.2Kbps		18.06	18.17	18.15	19.50	19.73	19.80	19.75	21.00
3GPP Rel 99 RMC 12.2Kbps		18.08	18.18	18.17	19.50	19.75	19.81	19.76	21.00
3GPP Rel 6 HSDPA Subtest-1		16.98	17.14	17.12	18.50	18.77	18.90	18.74	20.00
3GPP Rel 6 HSDPA Subtest-2		17.02	17.10	16.97	18.50	18.67	18.76	18.60	20.00
3GPP Rel 6 HSDPA Subtest-3		16.67	16.77	16.70	18.00	18.18	18.27	18.30	19.50
3GPP Rel 6 HSDPA Subtest-4		16.50	16.47	16.59	18.00	18.08	18.18	18.22	19.50
3GPP Rel 8 DC-HSDPA Subtest-1		17.00	17.22	17.05	18.50	18.67	18.76	18.73	20.00
3GPP Rel 8 DC-HSDPA Subtest-2		16.91	17.22	17.01	18.50	18.68	18.70	18.62	20.00
3GPP Rel 8 DC-HSDPA Subtest-3		16.51	16.76	16.62	18.00	18.10	18.33	18.29	19.50
3GPP Rel 8 DC-HSDPA Subtest-4		16.46	16.53	16.41	18.00	18.13	18.10	18.15	19.50
3GPP Rel 6 HSUPA Subtest-1		16.96	17.03	17.11	18.50	18.56	18.65	18.55	20.00
3GPP Rel 6 HSUPA Subtest-2		15.06	15.22	15.11	16.50	16.73	16.84	16.69	18.00
3GPP Rel 6 HSUPA Subtest-3		16.21	16.34	16.23	17.50	17.82	17.71	17.72	19.00
3GPP Rel 6 HSUPA Subtest-4		15.04	15.02	15.07	16.50	16.60	16.68	16.67	18.00
3GPP Rel 6 HSUPA Subtest-5		17.05	17.22	17.06	18.50	18.53	18.79	18.61	20.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1		14.60	14.73	14.59	16.00	16.23	16.44	16.30	17.50
WCDMA V Ant0 ECI6									
		WCDMA V			Tune-up Limit (dBm)				Tune-up Limit (dBm)
		4132	4182	4233		4357	4407	4458	
		826.4	836.4	846.6		826.4	836.4	846.6	
		22.78	22.88	22.83	24.00	22.85	22.93	22.88	24.00
		21.87	21.94	21.80	23.00	21.76	21.81	21.75	23.00
		21.33	21.36	21.34	22.50	21.13	21.28	21.24	22.50
		21.81	21.80	21.82	23.00	21.72	21.89	21.73	23.00
		21.25	21.38	21.30	22.50	21.16	21.22	21.11	22.50
		19.69	19.83	19.65	21.00	19.72	19.85	19.83	21.00
		20.96	20.88	20.95	22.00	19.69	19.83	19.65	21.00
		21.66	21.89	21.82	23.00	19.35	19.52	19.37	20.50

Band 2 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													
Frequency (MHz)													
20	QPSK	1	0	15.47	15.51	15.48			17	0			
20	QPSK	1	49	15.23	15.40	15.49							
20	QPSK	1	99	15.26	15.42	15.41							
20	QPSK	50	0	15.42	15.50	15.45			17	0			
20	QPSK	50	24	15.23	15.28	15.22							
20	QPSK	50	50	15.21	15.38	15.24							
20	QPSK	100	0	15.37	15.47	15.42			17	0			
20	16QAM	1	0	15.27	15.43	15.19							
20	16QAM	1	49	15.31	15.46	15.46							
20	16QAM	1	99	15.28	15.32	15.26			17	0			
20	16QAM	50	0	15.32	15.48	15.35							
20	16QAM	50	24	15.37	15.43	15.40							
20	16QAM	50	50	15.25	15.43	15.33			17	0			
20	16QAM	100	0	15.32	15.45	15.25							
20	64QAM	1	0	15.36	15.33	15.36			17	0			
20	64QAM	1	49	15.22	15.31	15.36							
20	64QAM	1	99	15.25	15.43	15.37							
20	64QAM	50	0	15.27	15.47	15.31			17	0			
20	64QAM	50	24	15.28	15.36	15.30							
20	64QAM	50	50	15.32	15.33	15.35							
20	64QAM	100	0	15.25	15.39	15.33			Channel				
Frequency (MHz)													
15	QPSK	1	0	15.41	15.44	15.32			17	0			
15	QPSK	1	37	15.12	15.29	15.42							
15	QPSK	1	74	15.13	15.24	15.28							
15	QPSK	36	0	15.23	15.48	15.39			17	0			
15	QPSK	36	20	15.14	15.23	15.15							
15	QPSK	36	36	15.10	15.24	15.08							
15	QPSK	75	0	15.29	15.45	15.26			17	0			
15	16QAM	1	0	15.26	15.35	15.05							
15	16QAM	1	37	15.20	15.27	15.26							
15	16QAM	1	74	15.18	15.17	15.17			17	0			
15	16QAM	36	0	15.20	15.41	15.19							
15	16QAM	36	20	15.27	15.32	15.25							
15	16QAM	36	36	15.15	15.25	15.26			17	0			
15	16QAM	75	0	15.23	15.28	15.15							
15	64QAM	1	0	15.35	15.19	15.24			17	0			
15	64QAM	1	37	15.03	15.13	15.31							
15	64QAM	1	74	15.18	15.27	15.20							
15	64QAM	36	0	15.08	15.46	15.22			17	0			
15	64QAM	36	20	15.27	15.20	15.17							
15	64QAM	36	36	15.14	15.20	15.19							
15	64QAM	75	0	15.11	15.23	15.21			Channel				
Frequency (MHz)													
10	QPSK	1	0	15.32	15.47	15.48			17	0			
10	QPSK	1	25	15.15	15.27	15.41							
10	QPSK	1	49	15.08	15.22	15.30							
10	QPSK	25	0	15.37	15.34	15.29			17	0			
10	QPSK	25	12	15.04	15.15	15.21							
10	QPSK	25	25	15.05	15.31	15.14							
10	QPSK	50	0	15.23	15.46	15.36			17	0			
10	16QAM	1	0	15.16	15.41	15.01							
10	16QAM	1	25	15.29	15.43	15.36							
10	16QAM	1	49	15.18	15.13	15.12			17	0			
10	16QAM	25	0	15.24	15.45	15.32							
10	16QAM	25	12	15.04	15.39	15.23							
10	16QAM	25	25	15.18	15.42	15.18			17	0			
10	16QAM	50	0	15.20	15.38	15.08							
10	64QAM	1	0	15.35	15.13	15.31			17	0			
10	64QAM	1	25	15.22	15.23	15.20							
10	64QAM	1	49	15.16	15.40	15.18							
10	64QAM	25	0	15.14	15.44	15.29			17	0			
10	64QAM	25	12	15.18	15.31	15.15							
10	64QAM	25	25	15.19	15.28	15.28							
10	64QAM	50	0	15.23	15.25	15.27			Channel				
Frequency (MHz)													
5	QPSK	1	0	15.29	15.40	15.33			17	0			
5	QPSK	1	12	15.18	15.38	15.38							
5	QPSK	1	24	15.08	15.24	15.27							
5	QPSK	12	0	15.37	15.42	15.39			17	0			
5	QPSK	12	7	15.15	15.14	15.17							
5	QPSK	12	13	15.05	15.27	15.23							
5	QPSK	25	0	15.34	15.44	15.24			17	0			
5	16QAM	1	0	15.17	15.29	15.12							
5	16QAM	1	12	15.23	15.28	15.28							
5	16QAM	1	24	15.28	15.16	15.25			17	0			
5	16QAM	12	0	15.14	15.26	15.22							
5	16QAM	12	7	15.22	15.40	15.36							
5	16QAM	12	13	15.08	15.41	15.28			17	0			
5	16QAM	25	0	15.14	15.27	15.10							
5	64QAM	1	0	15.20	15.22	15.22			17	0			
5	64QAM	1	12	15.21	15.15	15.23							
5	64QAM	1	24	15.12	15.33	15.17							
5	64QAM	12	0	15.16	15.37	15.13			17	0			
5	64QAM	12	7	15.24	15.35	15.23							
5	64QAM	12	13	15.14	15.15	15.15							
5	64QAM	25	0	15.16	15.21	15.22			Channel				
Frequency (MHz)													
3	QPSK	1	0	15.45	15.37	15.29			17	0			
3	QPSK	1	8	15.12	15.28	15.41							
3	QPSK	1	14	15.19	15.37	15.27							
3	QPSK	8	0	15.38	15.45	15.25			17	0			
3	QPSK	8	4	15.15	15.08	15.14							
3	QPSK	8	7	15.12	15.36	15.04							
3	QPSK	15	0	15.21	15.28	15.33			17	0			
3	16QAM	1	0	15.08	15.30	15.15							
3	16QAM	1	8	15.23	15.43	15.39							
3	16QAM	1	14	15.12	15.23	15.13			17	0			
3	16QAM	8	0	15.23	15.38	15.25							
3	16QAM	8	4	15.19	15.33	15.28							
3	16QAM	8	7	15.18	15.28	15.27			17	0			
3	16QAM	15	0	15.14	15.31	15.19							
3	64QAM	1	0	15.28	15.19	15.20							
3	64QAM	1	8	15.03	15.31	15.33			17	0			
3	64QAM	1	14	15.10	15.32	15.28							
3	64QAM	8	0	15.14	15.40	15.25							
3	64QAM	8	4	15.21	15.16	15.13			17	0			
3	64QAM	8	7	15.27	15.24	15.29							
3	64QAM	15	0	15.07	15.30	15.21							
Channel													
Frequency (MHz)													
1.4	QPSK	1	0	15.45	15.37	15.32			17	0			
1.4	QPSK	1	3	15.14	15.25	15.34							
1.4	QPSK	1	5	15.13	15.31	15.31							
1.4	QPSK	3	0	15.32	15.38	15.39			17	0			
1.4	QPSK	3	1	15.19	15.37	15.37							
1.4	QPSK	3	3	15.15	15.36	15.30							
1.4	QPSK	6	0	15.19	15.42	15.24			17	0			
1.4	16QAM	1	0	15.13	15.39	15.18							
1.4	16QAM	1	3	15.15	15.29	15.32							
1.4	16QAM	1	5	15.13	15.14	15.16			17	0			
1.4	16QAM	3	0	15.26	15.46	15.26							
1.4	16QAM	3	1	15.34	15.37	15.29							
1.4	16QAM	3	3	15.08	15.37	15.16			17	0			
1.4	16QAM	6	0	15.14	15.32	15.10							
1.4	64QAM	1	0	15.27	15.14	15.30							
1.4	64QAM	1	3	15.03	15.12	15.24			17	0			
1.4	64QAM	1	5	15.23	15.37	15.30							
1.4	64QAM	3	1	15.17	15.45	15.11							
1.4	64QAM	3	1	15.11	15.36	15.19			17	0			
1.4	64QAM	3	3	15.03	15.29	15.15							
1.4	64QAM	6	0	15.15	15.38	15.16							



Band 12 Ant0 EC16									
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				23050	23056	23136			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.59	22.68	22.64	24	0	
10	QPSK	1	25	22.55	22.60	22.51			
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	21.55	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			
10	16QAM	25	25	20.49	20.60	20.53	22	2	
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			
10	64QAM	1	49	20.50	20.57	20.49	22	2	
10	64QAM	25	0	19.56	19.59	19.51			
10	64QAM	25	12	19.40	19.50	19.47			
10	64QAM	25	25	19.42	19.55	19.41			
10	64QAM	50	0	19.43	19.54	19.50	21	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.55	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			
5	QPSK	12	7	21.43	21.53	21.40	23	1	
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			
5	16QAM	12	13	20.39	20.52	20.43	22	2	
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			
5	64QAM	1	24	20.35	20.50	20.41	22	2	
5	64QAM	12	0	19.52	19.50	19.43			
5	64QAM	12	7	19.37	19.35	19.35			
5	64QAM	12	13	19.34	19.43	19.35			
5	64QAM	25	0	19.32	19.50	19.46	21	3	
Channel				23025	23095	23155			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.48	22.56	22.52	24	0	
3	QPSK	1	8	22.52	22.55	22.44			
3	QPSK	1	14	22.26	22.42	22.37			
3	QPSK	8	0	21.47	21.51	21.36			
3	QPSK	8	4	21.47	21.44	21.30	23	1	
3	QPSK	8	7	21.33	21.43	21.36			
3	QPSK	15	0	21.40	21.44	21.37			
3	16QAM	1	0	21.38	21.45	21.35			
3	16QAM	1	8	21.28	21.33	21.35	23	1	
3	16QAM	1	14	21.17	21.27	21.20			
3	16QAM	8	0	20.55	20.56	20.48			
3	16QAM	8	4	20.43	20.49	20.38			
3	16QAM	8	7	20.43	20.50	20.49	22	2	
3	16QAM	15	0	20.38	20.43	20.33			
3	64QAM	1	0	20.44	20.55	20.45			
3	64QAM	1	8	20.50	20.53	20.42			
3	64QAM	1	14	20.46	20.52	20.35	22	2	
3	64QAM	8	0	19.45	19.51	19.45			
3	64QAM	8	4	19.27	19.35	19.33			
3	64QAM	8	7	19.35	19.46	19.28			
3	64QAM	15	0	19.36	19.42	19.40	21	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.55	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	23	1	
1.4	QPSK	3	3	22.27	22.44	22.43			
1.4	QPSK	6	0	21.54	21.58	21.41			
1.4	16QAM	1	0	21.41	21.50	21.35			
1.4	16QAM	1	3	21.33	21.45	21.42	23	1	
1.4	16QAM	1	5	21.41	21.47	21.37			
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	22	2	
1.4	16QAM	6	0	20.47	20.54	20.50			
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 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				23230					
Frequency (MHz)				762					
10	QPSK	1	0		22.73		24	0	
10	QPSK	1	25		22.58				
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				
10	16QAM	25	25		20.68		22	2	
10	16QAM	50	0		20.64				
10	64QAM	1	0		20.67				
10	64QAM	1	25		20.64				
10	64QAM	1	49		20.59		22	2	
10	64QAM	25	0		19.55				
10	64QAM	25	12		19.49				
10	64QAM	25	25		19.59				
10	64QAM	50	0		19.63		21	3	
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
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			
5	16QAM	12	13	20.50	20.62	20.57	22	2	
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			
5	64QAM	1	24	20.40	20.46	20.44	22	2	
5	64QAM	12	0	19.30	19.44	19.33			
5	64QAM	12	7	19.32	19.43	19.33			
5	64QAM	12	13	19.45	19.55	19.49			
5	64QAM	25	0	19.49	19.54	19.47	21	3	

Band 25 Ant0 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				26140	26340	26590						
Frequency (MHz)				1850	1880	1905						
20	QPSK	1	0	18.30	18.36	18.31	19.5	0				
20	QPSK	1	49	18.11	18.17	18.19						
20	QPSK	1	99	18.13	18.29	18.13						
20	QPSK	50	0	18.21	18.33	18.25	19.5	0				
20	QPSK	50	24	18.06	18.18	18.11						
20	QPSK	50	50	18.07	18.12	18.08						
20	QPSK	100	0	18.25	18.30	18.19	19.5	0				
20	16QAM	1	0	18.06	18.32	18.13						
20	16QAM	1	49	18.07	18.32	18.18						
20	16QAM	1	99	18.10	18.16	18.19	19.5	0				
20	16QAM	50	0	18.17	18.35	18.12						
20	16QAM	50	24	18.09	18.24	18.22						
20	16QAM	50	50	18.18	18.27	18.17	19.5	0				
20	16QAM	100	0	18.24	18.26	18.16						
20	64QAM	1	0	18.15	18.16	18.17						
20	64QAM	1	49	18.15	18.26	18.20	19.5	0				
20	64QAM	1	99	18.07	18.22	18.11						
20	64QAM	50	0	18.11	18.20	18.13						
20	64QAM	50	24	18.17	18.15	18.14	19.5	0				
20	64QAM	50	50	18.15	18.29	18.10						
20	64QAM	100	0	18.11	18.24	18.08						
Channel				26115	26340	26515	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1857.5	1880	1907.5						
15	QPSK	1	0	18.26	18.22	18.29	19.5	0				
15	QPSK	1	37	18.06	18.11	18.18						
15	QPSK	1	74	18.04	18.21	18.12						
15	QPSK	36	0	18.11	18.22	18.20	19.5	0				
15	QPSK	36	20	17.97	18.04	18.08						
15	QPSK	36	39	17.82	18.02	18.02						
15	QPSK	75	0	18.10	18.26	18.01	19.5	0				
15	16QAM	1	0	17.94	18.15	18.03						
15	16QAM	1	37	18.07	18.21	17.98						
15	16QAM	1	74	18.05	18.11	18.01	19.5	0				
15	16QAM	36	0	17.98	18.18	18.09						
15	16QAM	36	20	18.06	18.20	18.10						
15	16QAM	36	39	18.00	18.09	17.99	19.5	0				
15	16QAM	75	0	18.19	18.15	18.12						
15	64QAM	1	0	18.10	17.98	18.01						
15	64QAM	1	37	18.00	18.09	18.05	19.5	0				
15	64QAM	1	74	18.00	18.22	17.94						
15	64QAM	36	0	18.02	18.08	17.95						
15	64QAM	36	20	18.07	17.97	17.99	19.5	0				
15	64QAM	36	39	18.02	18.14	18.10						
15	64QAM	75	0	18.00	18.13	17.97						
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1855	1880	1910						
10	QPSK	1	0	18.14	18.19	18.13	19.5	0				
10	QPSK	1	25	18.00	18.05	18.16						
10	QPSK	1	49	18.00	18.25	18.05						
10	QPSK	25	0	18.10	18.24	18.21	19.5	0				
10	QPSK	25	12	17.88	18.12	18.01						
10	QPSK	25	25	18.05	17.97	18.02						
10	QPSK	50	0	18.17	18.23	18.05	19.5	0				
10	16QAM	1	0	18.02	18.12	18.09						
10	16QAM	1	25	18.02	18.27	18.12						
10	16QAM	1	49	18.07	18.00	18.13	19.5	0				
10	16QAM	25	0	18.13	18.30	18.11						
10	16QAM	25	12	18.02	18.15	18.11						
10	16QAM	25	25	18.09	18.19	18.10	19.5	0				
10	16QAM	50	0	18.21	18.11	18.08						
10	64QAM	1	0	18.14	18.16	18.13						
10	64QAM	1	25	18.01	18.15	18.19	19.5	0				
10	64QAM	1	49	18.03	18.15	17.95						
10	64QAM	25	0	18.06	18.18	18.04						
10	64QAM	25	12	17.95	17.97	17.98	19.5	0				
10	64QAM	25	25	18.05	18.26	18.05						
10	64QAM	50	0	17.98	18.13	18.12						
Channel				26055	26340	26655	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1852.5	1880	1912.5						
5	QPSK	1	0	18.12	18.33	18.13	19.5	0				
5	QPSK	1	12	17.95	18.02	18.11						
5	QPSK	1	24	17.95	18.14	17.99						
5	QPSK	12	0	18.08	18.33	18.18	19.5	0				
5	QPSK	12	7	17.93	18.14	18.05						
5	QPSK	12	13	18.03	17.98	17.89						
5	QPSK	25	0	18.07	18.13	18.05	19.5	0				
5	16QAM	1	0	18.01	18.31	17.94						
5	16QAM	1	12	17.91	18.15	18.06						
5	16QAM	1	24	17.94	18.05	18.16	19.5	0				
5	16QAM	12	0	18.06	18.35	18.10						
5	16QAM	12	7	17.97	18.12	18.09						
5	16QAM	12	13	18.14	18.23	18.08	19.5	0				
5	16QAM	25	0	18.05	18.11	17.97						
5	64QAM	1	0	18.04	18.10	18.04						
5	64QAM	1	12	18.02	18.09	18.20	19.5	0				
5	64QAM	1	24	17.96	18.10	18.02						
5	64QAM	12	0	18.03	18.06	18.03						
5	64QAM	12	7	18.15	17.97	17.95	19.5	0				
5	64QAM	12	13	18.03	18.11	17.92						
5	64QAM	25	0	17.98	18.06	17.94						
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1851.5	1880	1914.3						
3	QPSK	1	0	18.12	18.23	18.14	19.5	0				
3	QPSK	1	8	18.10	18.14	18.02						
3	QPSK	1	14	17.98	18.28	17.99						
3	QPSK	8	0	18.07	18.23	18.11	19.5	0				
3	QPSK	8	4	17.94	18.01	18.07						
3	QPSK	8	7	18.03	18.09	18.06						
3	QPSK	15	0	18.21	18.28	18.14	19.5	0				
3	16QAM	1	0	17.95	18.17	18.11						
3	16QAM	1	8	17.92	18.16	18.01						
3	16QAM	1	14	18.07	18.04	18.00	19.5	0				
3	16QAM	8	0	18.08	18.24	18.01						
3	16QAM	8	4	17.98	18.13	18.06						
3	16QAM	8	7	18.00	18.22	18.06	19.5	0				
3	16QAM	15	0	18.14	18.06	18.08						
3	64QAM	1	0	18.02	18.04	18.17						
3	64QAM	1	8	18.07	18.22	18.02	19.5	0				
3	64QAM	1	14	17.92	18.14	17.92						
3	64QAM	8	0	18.04	18.19	17.99						
3	64QAM	8	4	18.13	17.97	18.02	19.5	0				
3	64QAM	8	7	18.03	18.20	17.98						
3	64QAM	15	0	17.98	18.21	17.96						
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1850.7	1880	1914.3						
1.4	QPSK	1	0	18.20	18.18	18.24	19.5	0				
1.4	QPSK	1	3	17.99	18.07	18.14						
1.4	QPSK	1	5	18.12	18.14	17.94						
1.4	QPSK	3	0	18.15	18.22	18.08	19.5	0				
1.4	QPSK	3	1	17.93	17.98	17.93						
1.4	QPSK	3	3	17.91	17.97	17.90						
1.4	16QAM	1	0	18.08	18.21	18.01	19.5	0				
1.4	16QAM	1	3	17.99	18.24	17.98						
1.4	16QAM	1	3	17.98	18.18	18.14						
1.4	16QAM	1	3	18.03	18.05	18.08	19.5	0				
1.4	16QAM	3	0	18.09	18.22	18.03						
1.4	16QAM	3	1	17.91	18.08	18.16						
1.4	16QAM	3	3	17.99	18.23	18.16	19.5	0				
1.4	16QAM	6	0	18.12	18.04	18.05						
1.4	16QAM	6	0	18.09	18.07	18.10						
1.4	16QAM	1	3	18.13	18.10	18.13	19.5	0				
1.4	16QAM	1	5	17.90	18.20	18.11						
1.4	16QAM	1	6	17.91	18.02	18.00						
1.4	16QAM	3	1	18.16	18.16	18.03	19.5	0				
1.4	16QAM	3	3	18.09	18.12	18.04						
1.4	16QAM	6	0	17.92	18.16	18.04						

Band 7 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				20500	21100	21350			
Frequency (MHz)				2510	2535	2560			
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	0	
20	16QAM	50	0	18.63	18.85	18.71			
20	16QAM	50	24	18.76	18.86	18.84			
20	16QAM	50	50	18.74	18.54	18.76	20	0	
20	16QAM	100	0	18.67	18.76	18.58			
20	64QAM	1	0	18.75	18.82	18.62			
20	64QAM	1	49	18.74	18.67	18.64	20	0	
20	64QAM	1	99	18.78	18.76	18.73			
20	64QAM	50	0	18.79	18.93	18.68			
20	64QAM	50	24	18.66	18.87	18.65	20	0	
20	64QAM	50	50	18.69	18.88	18.67			
20	64QAM	100	0	18.81	18.80	18.73			
Channel				20823.2	21098.2	21373.2	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505.7	2533.2	2560.7			
15	QPSK	1	0	18.80	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	18.88	18.68	18.61			
15	16QAM	36	20	18.81	18.83	18.99			
15	16QAM	36	39	18.60	18.43	18.75	20	0	
15	16QAM	75	0	18.81	18.63	18.57			
15	64QAM	1	0	18.67	18.66	18.47	20	0	
15	64QAM	1	37	18.66	18.50	18.56			
15	64QAM	1	74	18.71	18.57	18.60			
15	64QAM	36	0	18.62	18.85	18.55	20	0	
15	64QAM	36	20	18.61	18.54	18.53			
15	64QAM	36	39	18.58	18.82	18.51			
15	64QAM	75	0	18.77	18.69	18.73	20	0	
Channel				20788.2	21098.2	21398.2			
Frequency (MHz)				2503.2	2533.2	2563.2	Tune-up limit (dBm)	MPR (dB)	
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	18.50	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 limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.7	2533.2	2565.7			
5	QPSK	1	0	18.80	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	20	0	
5	QPSK	12	0	18.83	18.91	18.93			
5	QPSK	12	7	18.52	18.89	18.44			
5	QPSK	12	13	18.71	18.94	18.53	20	0	
5	QPSK	25	0	18.89	18.89	18.90			
5	16QAM	1	0	18.67	18.48	18.66			
5	16QAM	1	12	18.76	18.88	18.39	20	0	
5	16QAM	1	24	18.72	18.72	18.52			
5	16QAM	12	0	18.62	18.74	18.69			
5	16QAM	12	7	18.59	18.72	18.72	20	0	
5	16QAM	12	13	18.68	18.39	18.68			
5	16QAM	25	0	18.58	18.59	18.47			
5	64QAM	1	0	18.61	18.65	18.49	20	0	
5	64QAM	1	12	18.70	18.54	18.55			
5	64QAM	1	24	18.67	18.76	18.72			
5	64QAM	12	0	18.78	18.76	18.64	20	0	
5	64QAM	12	7	18.54	18.58	18.52			
5	64QAM	12	13	18.58	18.71	18.62			
5	64QAM	25	0	18.78	18.65	18.53	20	0	

Band 38 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				37850	38000	38150	22.5	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	21.38	21.41	21.32			
20	QPSK	1	49	21.27	21.27	21.33			
20	QPSK	1	99	21.29	21.38	21.23			
20	QPSK	50	0	21.29	21.38	21.22	22.5	0	
20	QPSK	50	24	21.13	21.24	21.16			
20	QPSK	50	50	21.15	21.26	21.11			
20	QPSK	100	0	21.34	21.36	21.23			
20	16QAM	1	0	21.28	21.34	21.31			
20	16QAM	1	49	21.22	21.06	21.24	22.5	0	
20	16QAM	1	99	21.16	21.25	21.12			
20	16QAM	50	0	20.86	20.93	20.86			
20	16QAM	50	24	20.81	20.80	20.72			
20	16QAM	50	50	20.80	20.82	20.81			
20	16QAM	100	0	20.68	20.86	20.68	22	0.5	
20	64QAM	1	0	20.96	20.87	20.68			
20	64QAM	1	49	20.72	20.75	20.69			
20	64QAM	1	99	20.62	20.69	20.64			
20	64QAM	50	0	19.81	19.90	19.83			
20	64QAM	50	24	19.68	19.82	19.64	21	1.5	
20	64QAM	50	50	19.76	19.82	19.77			
20	64QAM	100	0	19.69	19.94	19.66			
Channel				37825	38000	38175	22.5	0	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	21.25	21.26	21.18			
15	QPSK	1	37	21.23	21.27	21.19			
15	QPSK	1	74	21.20	21.36	21.10			
15	QPSK	36	0	21.10	21.36	21.06	22.5	0	
15	QPSK	36	20	20.95	21.14	21.16			
15	QPSK	36	39	21.09	21.11	20.98			
15	QPSK	75	0	21.29	21.22	21.16			
15	16QAM	1	0	21.22	21.23	21.18			
15	16QAM	1	37	21.20	20.89	21.18	22.5	0	
15	16QAM	1	74	20.99	21.24	20.94			
15	16QAM	36	0	20.80	20.89	20.75			
15	16QAM	36	20	20.78	20.88	20.63			
15	16QAM	36	39	20.76	20.72	20.77			
15	16QAM	75	0	20.54	20.78	20.56	22	0.5	
15	64QAM	1	0	20.74	20.74	20.60			
15	64QAM	1	37	20.67	20.67	20.59			
15	64QAM	1	74	20.57	20.56	20.60			
15	64QAM	36	0	19.75	19.85	19.69			
15	64QAM	36	20	19.65	19.71	19.54	21	1.5	
15	64QAM	36	39	19.65	19.70	19.72			
15	64QAM	75	0	19.59	19.79	19.60			
Channel				37800	38000	38200	22.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
10	QPSK	1	0	21.19	21.35	21.24			
10	QPSK	1	25	21.14	21.13	21.27			
10	QPSK	1	49	21.24	21.23	21.17			
10	QPSK	25	0	21.26	21.31	21.03	22.5	0	
10	QPSK	25	12	21.00	21.09	21.03			
10	QPSK	25	25	21.05	21.17	21.10			
10	QPSK	50	0	21.15	21.26	21.17			
10	16QAM	1	0	21.25	21.16	21.17			
10	16QAM	1	25	21.08	20.94	21.04	22.5	0	
10	16QAM	1	49	20.96	21.05	20.93			
10	16QAM	25	0	20.76	20.87	20.71			
10	16QAM	25	12	20.75	20.66	20.60			
10	16QAM	25	25	20.69	20.71	20.76			
10	16QAM	50	0	20.56	20.79	20.59	22	0.5	
10	64QAM	1	0	20.70	20.82	20.59			
10	64QAM	1	25	20.60	20.69	20.59			
10	64QAM	1	49	20.57	20.62	20.54			
10	64QAM	25	0	19.68	19.78	19.77			
10	64QAM	25	12	19.54	19.68	19.53	21	1.5	
10	64QAM	25	25	19.65	19.68	19.68			
10	64QAM	50	0	19.62	19.75	19.55			
Channel				37775	38000	38225	22.5	0	
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	21.36	21.35	21.22			
5	QPSK	1	12	21.21	21.16	21.16			
5	QPSK	1	24	21.18	21.20	21.21			
5	QPSK	12	0	21.27	21.35	21.14	22.5	0	
5	QPSK	12	7	20.96	21.19	21.04			
5	QPSK	12	13	20.97	21.10	20.95			
5	QPSK	25	0	21.32	21.30	21.05			
5	16QAM	1	0	21.19	21.22	21.12			
5	16QAM	1	12	21.08	20.89	21.13	22.5	0	
5	16QAM	1	24	21.12	21.07	20.97			
5	16QAM	12	0	20.76	20.87	20.74			
5	16QAM	12	7	20.72	20.73	20.64			
5	16QAM	12	13	20.74	20.69	20.72			
5	16QAM	25	0	20.54	20.76	20.59	22	0.5	
5	64QAM	1	0	20.68	20.84	20.59			
5	64QAM	1	12	20.60	20.64	20.56			
5	64QAM	1	24	20.49	20.63	20.54			
5	64QAM	12	0	19.69	19.78	19.72			
5	64QAM	12	7	19.55	19.76	19.54	21	1.5	
5	64QAM	12	13	19.71	19.78	19.69			
5	64QAM	25	0	19.60	19.72	19.56			

Band 41 Ant1 ECI6										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dbm)	MPR (db)
Channel				39750	40185	40620	41055	41490	22.5	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.34	21.41	21.45	21.39	21.38		
20	QPSK	1	49	21.27	21.19	21.29	21.40	21.25		
20	QPSK	1	99	21.26	21.17	21.38	21.22	21.26		
20	QPSK	50	0	21.40	21.38	21.41	21.33	21.36	22.5	0
20	QPSK	50	24	21.22	21.07	21.26	21.39	21.11		
20	QPSK	50	50	21.10	20.97	21.26	21.13	21.17		
20	QPSK	100	0	21.32	21.30	21.36	21.28	21.20		
20	16QAM	1	0	21.34	21.37	21.38	21.21	21.29	22.5	0
20	16QAM	1	49	21.22	21.13	21.16	21.29	21.13		
20	16QAM	1	99	21.20	21.02	21.34	21.03	21.18		
20	16QAM	50	0	21.04	20.96	21.08	20.98	20.95		
20	16QAM	50	24	20.86	20.90	20.89	20.83	20.85		
20	16QAM	50	50	20.83	20.97	20.93	20.97	20.77	22	0.5
20	16QAM	100	0	20.85	20.74	20.93	20.80	20.75		
20	64QAM	1	0	20.79	20.87	20.92	20.82	20.73		
20	64QAM	1	49	20.76	20.87	20.81	20.86	20.57		
20	64QAM	1	99	20.69	20.70	20.80	20.75	20.62	22	0.5
20	64QAM	50	0	19.84	19.87	19.99	19.88	19.76		
20	64QAM	50	24	19.74	19.83	19.88	19.71	19.65		
20	64QAM	50	50	19.76	19.86	19.88	19.82	19.65		
20	64QAM	100	0	19.79	19.85	19.90	19.76	19.57	21	1.5
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.21	21.38	21.37	21.33	21.23		
15	QPSK	1	37	21.17	21.14	21.19	21.21	21.06		
15	QPSK	1	74	21.09	21.13	21.37	21.22	21.19		
15	QPSK	36	0	21.35	21.20	21.25	21.26	21.36	22.5	0
15	QPSK	36	20	21.19	21.04	21.15	21.27	21.03		
15	QPSK	36	39	20.93	20.88	21.15	21.00	21.09		
15	QPSK	75	0	21.21	21.27	21.33	21.28	21.17	22.5	0
15	16QAM	1	0	21.32	21.25	21.38	21.16	21.27		
15	16QAM	1	37	21.04	21.03	21.11	21.27	21.03		
15	16QAM	1	74	21.08	20.86	21.25	21.00	21.20		
15	16QAM	36	0	20.96	20.84	21.00	20.87	20.82	22	0.5
15	16QAM	36	20	20.79	20.78	20.76	20.69	20.64		
15	16QAM	36	39	20.73	20.87	20.79	20.90	20.68		
15	16QAM	75	0	20.80	20.67	20.79	20.72	20.68		
15	64QAM	1	0	20.72	20.72	20.86	20.78	20.61	22	0.5
15	64QAM	1	37	20.71	20.80	20.68	20.78	20.57		
15	64QAM	1	74	20.61	20.74	20.56	20.61	20.58		
15	64QAM	36	0	19.84	19.81	19.86	19.83	19.65		
15	64QAM	36	20	19.83	19.69	19.73	19.85	19.55	21	1.5
15	64QAM	36	39	19.65	19.77	19.75	19.71	19.53		
15	64QAM	75	0	19.76	19.72	19.80	19.66	19.59		
Channel				39750	40160	40620	41080	41509		
Frequency (MHz)				2503	2547	2593	2639	2685		
10	QPSK	1	0	21.28	21.32	21.28	21.36	21.26	23	0
10	QPSK	1	25	21.14	21.08	21.29	21.37	21.13		
10	QPSK	1	49	21.14	21.11	21.33	21.20	21.26		
10	QPSK	25	0	21.39	21.30	21.34	21.23	21.30		
10	QPSK	25	12	21.17	21.06	21.18	21.24	21.02		
10	QPSK	25	25	21.03	20.84	21.11	21.12	21.13	22.5	0
10	QPSK	50	0	21.21	21.19	21.19	21.09	21.16		
10	16QAM	1	0	21.27	21.20	21.20	21.18	21.28		
10	16QAM	1	25	21.06	21.09	21.06	21.24	21.01		
10	16QAM	1	49	21.01	20.96	21.31	20.84	21.03	22.5	0
10	16QAM	25	0	20.91	20.84	20.98	20.90	20.92		
10	16QAM	25	12	20.80	20.77	20.75	20.72	20.78		
10	16QAM	25	25	20.76	20.85	20.81	20.93	20.68		
10	16QAM	50	0	20.78	20.63	20.79	20.89	20.62	22	0.5
10	64QAM	1	0	20.67	20.78	20.84	20.73	20.66		
10	64QAM	1	25	20.67	20.78	20.71	20.71	20.52		
10	64QAM	1	49	20.55	20.64	20.67	20.87	20.51		
10	64QAM	25	0	19.82	19.75	19.89	19.82	19.63	21	1.5
10	64QAM	25	12	19.64	19.68	19.84	19.61	19.56		
10	64QAM	25	25	19.65	19.74	19.75	19.70	19.59		
10	64QAM	50	0	19.66	19.76	19.77	19.71	19.62		
Channel				39675	40148	40620	41093	41565	23	0
Frequency (MHz)				2494.5	2543.3	2593	2646.3	2697.5		
5	QPSK	1	0	21.19	21.38	21.27	21.27	21.21		
5	QPSK	1	12	21.24	21.01	21.10	21.36	21.20		
5	QPSK	1	24	21.17	20.98	21.37	21.08	21.08		
5	QPSK	12	0	21.36	21.36	21.30	21.16	21.21		
5	QPSK	12	7	21.14	21.05	21.16	21.36	20.95	22.5	0
5	QPSK	12	13	20.98	20.91	21.19	21.07	21.02		
5	QPSK	26	0	21.20	21.23	21.13	21.16	21.11		
5	16QAM	0	0	21.28	21.31	21.21	21.12	21.19		
5	16QAM	1	12	21.03	21.11	20.98	21.12	20.95	22.5	0
5	16QAM	1	24	21.07	21.00	21.23	20.86	20.99		
5	16QAM	12	0	20.97	20.87	20.96	20.89	20.89		
5	16QAM	12	7	20.75	20.79	20.81	20.98	20.67		
5	16QAM	25	0	20.73	20.92	20.81	20.74	20.70	22	0.5
5	16QAM	25	0	20.76	20.67	20.80	20.72	20.67		
5	64QAM	1	0	20.69	20.80	20.78	20.74	20.65		
5	64QAM	1	12	20.70	20.82	20.72	20.72	20.65		
5	64QAM	1	24	20.60	20.57	20.70	20.66	20.55	22	0.5
5	64QAM	12	0	19.89	19.77	19.85	19.79	19.68		
5	64QAM	7	7	19.69	19.75	19.84	19.57	19.63		
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57	21	1.5



Band 2 Ant4 ECI6										
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				19700	19800	19100				
Frequency (MHz)				1820	1830	1820				
20	QPSK	1	0	18.28	18.32	18.21	19.5	0		
20	QPSK	1	49	18.07	18.15	18.18				
20	QPSK	1	99	18.21	18.20	18.14				
20	QPSK	50	0	18.28	18.30	18.24	19.5	0		
20	QPSK	50	24	18.09	18.27	18.19				
20	QPSK	50	50	18.00	18.09	18.20				
20	QPSK	100	0	18.19	18.31	18.19	19.5	0		
20	16QAM	1	0	18.19	18.15	18.14				
20	16QAM	1	49	18.16	18.19	18.17				
20	16QAM	1	99	18.24	18.31	18.19	19	0.5		
20	16QAM	50	0	17.95	18.03	17.95				
20	16QAM	50	24	17.85	17.95	17.80				
20	16QAM	50	50	17.86	17.99	17.91	19	0.5		
20	16QAM	100	0	17.93	17.97	17.82				
20	64QAM	1	0	17.67	17.77	17.63				
20	64QAM	1	49	17.64	17.71	17.63	19	0.5		
20	64QAM	1	99	17.53	17.67	17.59				
20	64QAM	50	0	16.97	17.00	16.87				
20	64QAM	50	24	16.86	16.91	16.83	18	1.5		
20	64QAM	50	50	16.82	16.96	16.90				
20	64QAM	100	0	16.85	16.93	16.81				
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1867.5	1880	1902.5				
15	QPSK	1	0	18.22	18.28	18.15	19.5	0		
15	QPSK	1	37	18.00	18.13	18.06				
15	QPSK	1	74	18.12	18.16	18.06				
15	QPSK	36	0	18.11	18.27	18.06	19.5	0		
15	QPSK	36	20	18.06	18.19	18.07				
15	QPSK	36	36	17.91	17.99	18.05				
15	QPSK	75	0	18.01	18.28	18.06	19.5	0		
15	16QAM	1	0	18.15	17.96	17.96				
15	16QAM	1	37	18.13	18.00	18.15				
15	16QAM	1	74	18.23	18.18	18.06	19	0.5		
15	16QAM	36	0	17.83	17.93	17.90				
15	16QAM	36	20	17.78	17.80	17.78				
15	16QAM	36	36	17.80	17.92	17.87	19	0.5		
15	16QAM	75	0	17.86	17.67	17.75				
15	64QAM	1	0	17.55	17.72	17.58				
15	64QAM	1	37	17.52	17.62	17.53	19	0.5		
15	64QAM	1	74	17.38	17.62	17.45				
15	64QAM	36	0	16.89	16.90	16.83				
15	64QAM	36	20	16.73	16.80	16.70	18	1.5		
15	64QAM	36	36	16.79	16.83	16.76				
15	64QAM	75	0	16.70	16.81	16.77				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18655	1880	19050				
10	QPSK	1	0	18.09	18.27	18.15	19.5	0		
10	QPSK	1	25	17.94	18.08	18.00				
10	QPSK	1	49	18.21	18.19	18.14				
10	QPSK	25	0	18.13	18.23	18.05	19.5	0		
10	QPSK	25	12	17.90	18.25	18.14				
10	QPSK	25	25	17.93	17.99	18.06				
10	QPSK	50	0	18.06	18.11	18.02	19.5	0		
10	16QAM	1	0	18.10	18.10	18.11				
10	16QAM	1	25	18.15	18.02	18.13				
10	16QAM	1	49	18.23	18.19	18.15	19	0.5		
10	16QAM	25	0	17.90	17.99	17.91				
10	16QAM	25	12	17.80	17.89	17.70				
10	16QAM	25	25	17.82	17.92	17.86	19	0.5		
10	16QAM	50	0	17.78	17.86	17.75				
10	64QAM	1	0	17.55	17.68	17.58				
10	64QAM	1	25	17.54	17.58	17.53	19	0.5		
10	64QAM	1	49	17.41	17.63	17.51				
10	64QAM	25	0	16.90	16.95	16.79				
10	64QAM	25	12	16.76	16.82	16.70	18	1.5		
10	64QAM	25	25	16.73	16.82	16.80				
10	64QAM	50	0	16.80	16.86	16.68				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1907.5				
5	QPSK	1	0	18.17	18.23	18.12	19.5	0		
5	QPSK	1	12	18.06	18.10	18.08				
5	QPSK	1	24	18.00	18.01	18.08				
5	QPSK	12	0	18.11	18.16	18.10	19.5	0		
5	QPSK	12	7	18.08	18.16	18.03				
5	QPSK	12	13	18.06	18.01	18.15				
5	QPSK	25	0	18.07	18.17	18.13	19.5	0		
5	16QAM	1	0	18.04	18.04	18.04				
5	16QAM	1	12	18.07	18.09	18.06				
5	16QAM	1	24	18.19	18.26	18.13	19	0.5		
5	16QAM	12	0	17.83	17.96	17.86				
5	16QAM	12	7	17.79	17.90	17.65				
5	16QAM	12	13	17.80	17.86	17.85	19	0.5		
5	16QAM	25	0	17.86	17.84	17.88				
5	64QAM	1	0	17.53	17.68	17.49				
5	64QAM	1	12	17.59	17.65	17.59	19	0.5		
5	64QAM	1	24	17.47	17.58	17.54				
5	64QAM	12	0	16.90	16.95	16.82				
5	64QAM	12	7	16.72	16.82	16.78	18	1.5		
5	64QAM	12	13	16.76	16.85	16.83				
5	64QAM	25	0	16.80	16.88	16.66				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1861.5	1880	1908.5				
3	QPSK	1	0	18.11	18.15	18.04	19.5	0		
3	QPSK	1	8	17.93	18.09	18.01				
3	QPSK	1	14	18.07	18.07	18.10				
3	QPSK	8	0	18.20	18.23	18.11	19.5	0		
3	QPSK	8	4	18.05	18.20	18.00				
3	QPSK	8	7	18.02	17.90	18.12				
3	QPSK	15	0	18.07	18.20	18.12	19.5	0		
3	16QAM	1	0	18.08	18.12	18.02				
3	16QAM	1	8	17.98	18.18	18.17				
3	16QAM	1	14	18.17	18.15	18.18	19	0.5		
3	16QAM	8	0	17.86	17.93	17.86				
3	16QAM	8	4	17.73	17.85	17.67				
3	16QAM	8	7	17.75	17.91	17.79	19	0.5		
3	16QAM	15	0	17.90	17.89	17.73				
3	64QAM	1	0	17.53	17.72	17.54				
3	64QAM	1	8	17.53	17.59	17.59	19	0.5		
3	64QAM	1	14	17.44	17.64	17.51				
3	64QAM	8	0	16.91	16.85	16.79				
3	64QAM	8	4	16.77	16.80	16.73	18	1.5		
3	64QAM	8	7	16.69	16.85	16.85				
3	64QAM	15	0	16.80	16.89	16.71				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860.7	1880	1909.3				
1.4	QPSK	1	0	18.25	18.13	18.07	19.5	0		
1.4	QPSK	1	3	17.99	18.06	18.14				
1.4	QPSK	1	5	18.20	18.12	18.11				
1.4	QPSK	3	0	18.19	18.23	18.11	19.5	0		
1.4	QPSK	3	3	18.08	17.95	18.14				
1.4	QPSK	3	6	17.97	18.21	18.16				
1.4	16QAM	1	0	18.09	18.03	18.06	19.5	0		
1.4	16QAM	1	3	18.09	18.07	17.98				
1.4	16QAM	1	5	18.19	18.03	18.03				
1.4	16QAM	3	0	18.05	18.13	18.11	19.5	0		
1.4	16QAM	3	3	17.99	18.04	18.09				
1.4	16QAM	3	6	18.05	18.18	18.10				
1.4	16QAM	6	0	17.84	17.99	17.91	19	0.5		
1.4	16QAM	6	3	17.72	17.87	17.67				
1.4	16QAM	6	6	17.83	17.93	17.80				
1.4	64QAM	1	0	17.24	17.87	17.72	19	0.5		
1.4	64QAM	1	3	17.63	17.55	17.60				
1.4	64QAM	3	0	17.52	17.56	17.59				
1.4	64QAM	3	3	17.42	17.55	17.48	18	1.5		
1.4	64QAM	6	0	16.90	16.94	16.81				

Band 5 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				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.93	21.96	21.79	22.5	0	
10	QPSK	1	25	21.89	21.88	21.75			
10	QPSK	1	49	21.64	21.83	21.85			
10	QPSK	25	0	20.80	21.01	20.91			
10	QPSK	25	12	20.75	20.95	20.96	21.5	1	
10	QPSK	25	25	20.72	20.90	20.90			
10	QPSK	50	0	20.75	20.93	20.88			
10	16QAM	1	0	20.91	20.96	20.96			
10	16QAM	1	25	20.76	20.90	20.91	21.5	1	
10	16QAM	1	49	20.73	20.86	20.76			
10	16QAM	25	0	19.84	19.98	19.89			
10	16QAM	25	12	19.90	19.90	19.88			
10	16QAM	25	25	19.96	19.94	19.92	20.5	2	
10	16QAM	50	0	19.69	19.90	19.78			
10	64QAM	1	0	19.74	19.92	19.78			
10	64QAM	1	25	19.84	19.86	19.76			
10	64QAM	1	49	19.76	19.82	19.81	20.5	2	
10	64QAM	25	0	18.81	18.92	18.89			
10	64QAM	25	12	18.78	18.83	18.79			
10	64QAM	25	25	18.80	18.80	18.80			
10	64QAM	50	0	18.80	18.87	18.85	19.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.84	21.91	21.71	22.5	0	
5	QPSK	1	12	21.75	21.82	21.75			
5	QPSK	1	24	21.47	21.84	21.81			
5	QPSK	12	0	20.68	20.87	20.75			
5	QPSK	12	7	20.66	20.90	20.90	21.5	1	
5	QPSK	12	13	20.61	20.69	20.85			
5	QPSK	25	0	20.75	20.79	20.74			
5	16QAM	1	0	20.73	20.82	20.75			
5	16QAM	1	12	20.71	20.92	20.85	21.5	1	
5	16QAM	1	24	20.55	20.67	20.71			
5	16QAM	12	0	19.81	19.96	19.85			
5	16QAM	12	7	19.79	19.76	19.87			
5	16QAM	12	13	19.76	19.90	19.87	20.5	2	
5	16QAM	25	0	19.61	19.70	19.68			
5	64QAM	1	0	19.63	19.90	19.80			
5	64QAM	1	12	19.82	19.73	19.64			
5	64QAM	1	24	19.77	19.61	19.61	20.5	2	
5	64QAM	12	0	18.82	18.73	18.84			
5	64QAM	12	7	18.59	18.62	18.61			
5	64QAM	12	13	18.72	18.67	18.77			
5	64QAM	25	0	18.75	18.83	18.65	19.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.93	21.76	21.60	22.5	0	
3	QPSK	1	8	21.74	21.67	21.67			
3	QPSK	1	14	21.56	21.72	21.77			
3	QPSK	8	0	20.65	21.02	20.93			
3	QPSK	8	4	20.71	20.82	20.81	21.5	1	
3	QPSK	8	7	20.65	20.72	20.81			
3	QPSK	15	0	20.73	20.86	20.87			
3	16QAM	1	0	20.83	20.86	20.79			
3	16QAM	1	8	20.60	20.89	20.80	21.5	1	
3	16QAM	1	14	20.64	20.79	20.77			
3	16QAM	8	0	19.91	19.97	19.71			
3	16QAM	8	4	19.76	19.72	19.71			
3	16QAM	8	7	19.90	19.79	19.75	20.5	2	
3	16QAM	15	0	19.50	19.76	19.70			
3	64QAM	1	0	19.76	19.70	19.75			
3	64QAM	1	8	19.64	19.87	19.75			
3	64QAM	1	14	19.71	19.73	19.70	20.5	2	
3	64QAM	8	0	18.60	18.80	18.82			
3	64QAM	8	4	18.62	18.78	18.61			
3	64QAM	8	7	18.71	18.77	18.79			
3	64QAM	15	0	18.60	18.80	18.83	19.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.82	21.87	21.64	22.5	0	
1.4	QPSK	1	3	21.85	21.84	21.56			
1.4	QPSK	1	5	21.59	21.72	21.82			
1.4	QPSK	3	0	21.78	21.80	21.67			
1.4	QPSK	3	1	21.44	21.71	21.73	21.5	1	
1.4	QPSK	3	3	21.55	21.52	21.56			
1.4	QPSK	6	0	20.54	20.91	20.73			
1.4	16QAM	1	0	20.91	20.81	20.79			
1.4	16QAM	1	3	20.72	20.77	20.71	21.5	1	
1.4	16QAM	1	5	20.60	20.78	20.74			
1.4	16QAM	3	0	20.89	20.85	20.97			
1.4	16QAM	3	1	20.67	20.90	20.93			
1.4	16QAM	3	3	20.63	20.82	20.67	20.5	2	
1.4	16QAM	6	0	19.64	19.70	19.60			
1.4	64QAM	1	0	19.75	19.79	19.71			
1.4	64QAM	1	3	19.64	19.73	19.70			
1.4	64QAM	1	5	19.77	19.62	19.61	20.5	2	
1.4	64QAM	3	0	19.69	19.85	19.58			
1.4	64QAM	3	1	19.63	19.78	19.58			
1.4	64QAM	3	3	19.72	19.83	19.75			
1.4	64QAM	6	0	18.63	18.72	18.71	19.5	3	

Band 66 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							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	0	20.72	20.83	20.74	21.5	0	
20	QPSK	1	49	20.75	20.77	20.65			
20	QPSK	1	99	20.62	20.77	20.55			
20	QPSK	50	0	19.85	19.90	19.83			
20	QPSK	50	24	19.84	19.85	19.81	20.5	1	
20	QPSK	50	50	19.80	19.82	19.71			
20	QPSK	100	0	19.87	19.95	19.77			
20	16QAM	1	0	19.74	19.71	19.72			
20	16QAM	1	49	19.62	19.72	19.55	20.5	1	
20	16QAM	1	99	19.63	19.65	19.60			
20	16QAM	50	0	18.89	18.87	18.96			
20	16QAM	50	24	18.80	18.90	18.74			
20	16QAM	50	50	18.76	18.93	18.93	19.5	2	
20	16QAM	100	0	18.82	18.95	18.76			
20	64QAM	1	0	18.65	18.67	18.61			
20	64QAM	1	49	18.62	18.64	18.61			
20	64QAM	1	99	18.45	18.68	18.57	19.5	2	
20	64QAM	50	0	17.88	17.94	17.74			
20	64QAM	50	24	17.81	17.89	17.82			
20	64QAM	50	50	17.83	17.86	17.83			
20	64QAM	100	0	17.92	17.92	17.80	18.5	3	
Channel									
Frequency (MHz)									
15	QPSK	1	0	20.75	20.80	20.69			
15	QPSK	1	37	20.70	20.62	20.60			
15	QPSK	1	74	20.54	20.68	20.50			
15	QPSK	36	0	19.80	19.79	19.75			
15	QPSK	36	20	19.72	19.73	19.67	20.5	1	
15	QPSK	36	39	19.73	19.73	19.59			
15	QPSK	75	0	19.79	19.93	19.71			
15	16QAM	1	0	19.62	19.65	19.69			
15	16QAM	1	37	19.50	19.69	19.47	20.5	1	
15	16QAM	1	74	19.53	19.59	19.57			
15	16QAM	36	0	18.75	18.96	18.86			
15	16QAM	36	20	18.75	18.82	18.69			
15	16QAM	36	39	18.72	18.84	18.64	19.5	2	
15	16QAM	75	0	18.73	18.87	18.68			
15	64QAM	1	0	18.54	18.56	18.54			
15	64QAM	1	37	18.56	18.57	18.47			
15	64QAM	1	74	18.36	18.59	18.45	19.5	2	
15	64QAM	36	0	17.81	17.82	17.61			
15	64QAM	36	20	17.88	17.76	17.79			
15	64QAM	36	39	17.82	17.79	17.76			
15	64QAM	75	0	17.78	17.79	17.67	18.5	3	
Channel									
Frequency (MHz)									
10	QPSK	1	0	20.71	20.76	20.57			
10	QPSK	1	25	20.58	20.53	20.46			
10	QPSK	1	49	20.42	20.60	20.37			
10	QPSK	25	0	19.65	19.72	19.70			
10	QPSK	25	12	19.64	19.72	19.64	20.5	1	
10	QPSK	25	25	19.67	19.69	19.48			
10	QPSK	50	0	19.68	19.78	19.57			
10	16QAM	1	0	19.56	19.56	19.58			
10	16QAM	1	25	19.43	19.61	19.33	20.5	1	
10	16QAM	1	49	19.49	19.49	19.54			
10	16QAM	25	0	18.71	18.91	18.76			
10	16QAM	25	12	18.64	18.76	18.60			
10	16QAM	25	25	18.48	18.78	18.61	19.5	2	
10	16QAM	50	0	18.66	18.83	18.59			
10	64QAM	1	0	18.44	18.41	18.47			
10	64QAM	1	25	18.49	18.50	18.40			
10	64QAM	1	49	18.32	18.53	18.41	19.5	2	
10	64QAM	25	0	17.77	17.76	17.57			
10	64QAM	25	12	17.58	17.68	17.57			
10	64QAM	25	25	17.84	17.70	17.61			
10	64QAM	25	25	17.64	17.74	17.52	18.5	3	
Channel									
Frequency (MHz)									
5	QPSK	1	0	20.69	20.73	20.50			
5	QPSK	1	12	20.59	20.51	20.50			
5	QPSK	1	24	20.50	20.55	20.42			
5	QPSK	12	0	19.64	19.71	19.70			
5	QPSK	12	7	19.67	19.62	19.68	20.5	1	
5	QPSK	12	13	19.63	19.64	19.51			
5	QPSK	25	0	19.71	19.79	19.62			
5	16QAM	1	0	19.53	19.59	19.62			
5	16QAM	1	12	19.43	19.63	19.42	20.5	1	
5	16QAM	1	24	19.49	19.51	19.40			
5	16QAM	12	0	18.65	18.81	18.62			
5	16QAM	12	7	18.66	18.69	18.61			
5	16QAM	12	13	18.48	18.72	18.54	19.5	2	
5	16QAM	25	0	18.60	18.74	18.66			
5	64QAM	1	0	18.49	18.45	18.42			
5	64QAM	1	12	18.50	18.53	18.33			
5	64QAM	1	24	18.26	18.47	18.38	19.5	2	
5	64QAM	12	0	17.66	17.74	17.55			
5	64QAM	12	7	17.67	17.70	17.61			
5	64QAM	12	13	17.67	17.74	17.51			
5	64QAM	25	0	17.64	17.68	17.57	18.5	3	
Channel									
Frequency (MHz)									
3	QPSK	1	0	20.67	20.70	20.55			
3	QPSK	1	8	20.62	20.54	20.48			
3	QPSK	1	14	20.49	20.58	20.40			
3	QPSK	8	0	19.67	19.70	19.61			
3	QPSK	8	4	19.68	19.69	19.56	20.5	1	
3	QPSK	8	7	19.65	19.67	19.48			
3	16QAM	1	0	19.65	19.88	19.60			
3	16QAM	1	8	19.48	19.53	19.61			
3	16QAM	1	8	19.39	19.56	19.35	20.5	1	
3	16QAM	1	14	19.48	19.47	19.47			
3	16QAM	8	0	18.76	18.81	18.76			
3	16QAM	8	4	18.65	18.76	18.65			
3	16QAM	8	7	18.60	18.69	18.75	19.5	2	
3	16QAM	15	0	18.69	18.74	18.63			
3	64QAM	1	0	18.44	18.46	18.33			
3	64QAM	1	8	18.49	18.50	18.37			
3	64QAM	1	14	18.24	18.55	18.40	19.5	2	
3	64QAM	8	0	17.76	17.82	17.63			
3	64QAM	8	4	17.58	17.73	17.73			
3	64QAM	8	7	17.58	17.65	17.72			
3	64QAM	15	0	17.68	17.67	17.63	18.5	3	
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	20.73	20.72	20.66			
1.4	QPSK	1	3	20.70	20.72	20.59			
1.4	QPSK	1	20	20.46	20.66	20.44			
1.4	QPSK	3	0	20.68	20.72	20.64			
1.4	QPSK	3	1	20.63	20.52	20.50	20.5	1	
1.4	QPSK	3	3	20.48	20.57	20.40			
1.4	QPSK	6	0	19.71	19.65	19.64			
1.4	16QAM	1	0	19.65	19.59	19.54			
1.4	16QAM	1	3	19.62	19.69	19.64	20.5	1	
1.4	16QAM	1	5	19.69	19.65	19.61			
1.4	16QAM	3	0	19.52	19.55	19.57			
1.4	16QAM	3	1	19.44	19.55	19.40			
1.4	16QAM	3	3	19.43	19.51	19.38	19.5	2	
1.4	16QAM	6	0	18.67	18.85	18.72			
1.4	64QAM	1	0	17.69	17.72	17.62			
1.4	64QAM	1	3	17.53	17.67	17.74			
1.4	64QAM	1	5	17.62	17.81	17.61	19.5	2	
1.4	64QAM	3	0	18.48	18.48	18.46			
1.4	64QAM	3	1	18.46	18.54	18.32			
1.4	64QAM	3	3	18.25	18.46	18.39			
1.4	64QAM	6	0	17.69	17.78	17.53	18.5	3	

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	42590	42990	21.5	0	
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	19.81	19.84	19.72	21.5	0	
20	QPSK	1	49	19.82	19.86	19.85			
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	19.84	19.83	19.61			
20	16QAM	1	49	19.85	19.77	19.74			
20	16QAM	1	99	19.82	19.68	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	19.57			
20	64QAM	1	49	19.85	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	42590	43015	21.5	0	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	19.63	19.80	19.67	21.5	0	
15	QPSK	1	37	19.68	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	19.69	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	42590	43040	21.5	0	
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	42590	43065	21.5	0	
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	19.55			
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	19.68	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		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		30.29	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		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		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

		WCDMA II Ant0 ECI7					WCDMA IV Ant0 ECI7					WCDMA V Ant0 ECI7				
	Band	WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)			
	TX Channel	9262	9400	9538		1312	1413	1513		4132	4182	4233				
	Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458				
	Frequency (MHz)	1852.4	1880	1907.6		1762.4	1792.6	1822.8		2262.4	2292.6	2322.8				
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	14.06	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	14.69	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	12.55	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 2 Ant0 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				18700	18900	19100				
Frequency (MHz)				1870	1890	1910				
20	QPSK	1	0	13.41	13.52	13.48	15	0		
20	QPSK	1	49	13.44	13.40	13.36				
20	QPSK	1	99	13.44	13.42	13.32				
20	QPSK	50	0	13.46	13.50	13.43	15	0		
20	QPSK	50	24	13.37	13.42	13.36				
20	QPSK	50	50	13.38	13.26	13.27				
20	QPSK	100	0	13.46	13.48	13.44	15	0		
20	16QAM	1	0	13.27	13.36	13.29				
20	16QAM	1	49	13.32	13.49	13.43				
20	16QAM	1	99	13.39	13.44	13.30	15	0		
20	16QAM	50	0	13.27	13.37	13.34				
20	16QAM	50	24	13.26	13.36	13.42				
20	16QAM	50	50	13.38	13.36	13.31	15	0		
20	16QAM	100	0	13.31	13.45	13.35				
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1867.5	1880	1902.5				
15	QPSK	1	0	13.36	13.37	13.46	15	0		
15	QPSK	1	37	13.29	13.20	13.26				
15	QPSK	1	74	13.43	13.28	13.23				
15	QPSK	36	0	13.44	13.35	13.36	15	0		
15	QPSK	36	20	13.21	13.24	13.26				
15	QPSK	36	39	13.26	13.21	13.09				
15	QPSK	75	0	13.26	13.29	13.32	15	0		
15	16QAM	1	0	13.26	13.36	13.23				
15	16QAM	1	37	13.21	13.39	13.32				
15	16QAM	1	74	13.26	13.36	13.23	15	0		
15	16QAM	36	0	13.11	13.20	13.28				
15	16QAM	36	20	13.11	13.17	13.24				
15	16QAM	36	39	13.34	13.26	13.12	15	0		
15	16QAM	75	0	13.26	13.36	13.18				
15	64QAM	1	0	13.31	13.27	13.34	15	0		
15	64QAM	1	37	13.23	13.28	13.21				
15	64QAM	1	74	13.30	13.35	13.26				
15	64QAM	36	0	13.24	13.37	13.30	15	0		
15	64QAM	36	20	13.20	13.29	13.25				
15	64QAM	36	39	13.36	13.37	13.28				
15	64QAM	75	0	13.25	13.48	13.29				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	13.25	13.37	13.35	15	0		
10	QPSK	1	25	13.40	13.37	13.19				
10	QPSK	1	49	13.33	13.40	13.27				
10	QPSK	25	0	13.36	13.33	13.22	15	0		
10	QPSK	25	12	13.21	13.37	13.16				
10	QPSK	25	25	13.25	13.17	13.10				
10	QPSK	50	0	13.41	13.30	13.28	15	0		
10	16QAM	1	0	13.12	13.24	13.20				
10	16QAM	1	25	13.12	13.42	13.39				
10	16QAM	1	49	13.24	13.26	13.13	15	0		
10	16QAM	25	0	13.07	13.24	13.22				
10	16QAM	25	12	13.14	13.32	13.24				
10	16QAM	25	25	13.16	13.21	13.27	15	0		
10	16QAM	50	0	13.20	13.43	13.30				
10	64QAM	1	0	13.29	13.20	13.27	15	0		
10	64QAM	1	25	13.23	13.26	13.34				
10	64QAM	1	49	13.32	13.31	13.33				
10	64QAM	25	0	13.29	13.36	13.28	15	0		
10	64QAM	25	12	13.31	13.26	13.32				
10	64QAM	25	25	13.37	13.39	13.34				
10	64QAM	50	0	13.14	13.38	13.40				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	13.37	13.33	13.29	15	0		
5	QPSK	1	12	13.34	13.23	13.24				
5	QPSK	1	24	13.31	13.29	13.30				
5	QPSK	12	0	13.43	13.30	13.24	15	0		
5	QPSK	12	7	13.37	13.31	13.34				
5	QPSK	12	13	13.25	13.19	13.26				
5	QPSK	25	0	13.31	13.37	13.25	15	0		
5	16QAM	1	0	13.11	13.35	13.13				
5	16QAM	1	12	13.25	13.47	13.28				
5	16QAM	1	24	13.20	13.34	13.14	15	0		
5	16QAM	12	0	13.24	13.25	13.27				
5	16QAM	12	7	13.14	13.32	13.40				
5	16QAM	12	13	13.29	13.26	13.18	15	0		
5	16QAM	25	0	13.24	13.37	13.29				
5	64QAM	1	0	13.20	13.19	13.25	15	0		
5	64QAM	1	12	13.20	13.36	13.21				
5	64QAM	1	24	13.33	13.38	13.32				
5	64QAM	12	0	13.19	13.30	13.12	15	0		
5	64QAM	12	7	13.30	13.36	13.22				
5	64QAM	12	13	13.37	13.27	13.19				
5	64QAM	25	0	13.22	13.48	13.35				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	13.39	13.43	13.34	15	0		
3	QPSK	1	6	13.35	13.32	13.30				
3	QPSK	1	14	13.32	13.30	13.28				
3	QPSK	8	0	13.29	13.43	13.29	15	0		
3	QPSK	8	4	13.21	13.41	13.25				
3	QPSK	8	7	13.17	13.19	13.26				
3	QPSK	15	0	13.41	13.39	13.35	15	0		
3	16QAM	1	0	13.24	13.22	13.12				
3	16QAM	1	6	13.31	13.36	13.41				
3	16QAM	1	14	13.24	13.28	13.14	15	0		
3	16QAM	8	0	13.08	13.17	13.26				
3	16QAM	8	4	13.25	13.30	13.22				
3	16QAM	8	7	13.25	13.20	13.22	15	0		
3	16QAM	15	0	13.31	13.48	13.16				
3	64QAM	1	0	13.17	13.20	13.27	15	0		
3	64QAM	1	6	13.09	13.28	13.30				
3	64QAM	1	14	13.19	13.30	13.33				
3	64QAM	8	0	13.33	13.30	13.12	15	0		
3	64QAM	8	4	13.19	13.20	13.18				
3	64QAM	8	7	13.39	13.36	13.25				
3	64QAM	15	0	13.24	13.31	13.27				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1909.3				
1.4	QPSK	1	0	13.36	13.51	13.44	15	0		
1.4	QPSK	1	3	13.26	13.39	13.22				
1.4	QPSK	1	5	13.40	13.23	13.23				
1.4	QPSK	3	0	13.44	13.39	13.39	15	0		
1.4	QPSK	3	1	13.34	13.29	13.17				
1.4	QPSK	3	3	13.26	13.08	13.13				
1.4	QPSK	6	0	13.41	13.41	13.32	15	0		
1.4	16QAM	1	0	13.16	13.24	13.26				
1.4	16QAM	1	3	13.30	13.37	13.29				
1.4	16QAM	1	5	13.36	13.36	13.26	15	0		
1.4	16QAM	3	0	13.21	13.29	13.32				
1.4	16QAM	3	1	13.21	13.28	13.29				
1.4	16QAM	3	3	13.24	13.25	13.30	15	0		
1.4	16QAM	6	0	13.11	13.46	13.23				
1.4	64QAM	1	0	13.32	13.25	13.35				
1.4	64QAM	1	3	13.14	13.37	13.18	15	0		
1.4	64QAM	1	5	13.40	13.26	13.24				
1.4	64QAM	3	0	13.23	13.20	13.28				
1.4	64QAM	3	1	13.21	13.32	13.24	15	0		
1.4	64QAM	3	3	13.27	13.30	13.33				
1.4	64QAM	6	0	13.16	13.46	13.30	15	0		



Band 12 Ant0 EC17									
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				23050	23056	23136			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	22.59	22.68	22.64	24	0	
10	QPSK	1	25	22.55	22.60	22.51			
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	21.55	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			
10	16QAM	25	25	20.49	20.60	20.53	22	2	
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			
10	64QAM	1	49	20.50	20.57	20.49	22	2	
10	64QAM	25	0	19.56	19.59	19.51			
10	64QAM	25	12	19.40	19.50	19.47			
10	64QAM	25	25	19.42	19.55	19.41			
10	64QAM	50	0	19.43	19.54	19.50	21	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.55	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			
5	QPSK	12	7	21.43	21.53	21.40	23	1	
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			
5	16QAM	12	13	20.39	20.52	20.43	22	2	
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			
5	64QAM	1	24	20.35	20.50	20.41	22	2	
5	64QAM	12	0	19.52	19.50	19.43			
5	64QAM	12	7	19.37	19.36	19.35			
5	64QAM	12	13	19.34	19.43	19.35			
5	64QAM	25	0	19.32	19.50	19.46	21	3	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.48	22.56	22.52	24	0	
3	QPSK	1	8	22.52	22.55	22.44			
3	QPSK	1	14	22.26	22.42	22.37			
3	QPSK	8	0	21.47	21.51	21.36			
3	QPSK	8	4	21.47	21.44	21.30	23	1	
3	QPSK	8	7	21.33	21.43	21.36			
3	QPSK	15	0	21.40	21.44	21.37			
3	16QAM	1	0	21.38	21.45	21.35			
3	16QAM	1	8	21.28	21.33	21.35	23	1	
3	16QAM	1	14	21.17	21.27	21.20			
3	16QAM	8	0	20.55	20.56	20.48			
3	16QAM	8	4	20.43	20.49	20.38			
3	16QAM	8	7	20.43	20.50	20.49	22	2	
3	16QAM	15	0	20.38	20.43	20.33			
3	64QAM	1	0	20.44	20.55	20.45			
3	64QAM	1	8	20.50	20.53	20.42			
3	64QAM	1	14	20.46	20.52	20.35	22	2	
3	64QAM	8	0	19.45	19.51	19.45			
3	64QAM	8	4	19.27	19.35	19.33			
3	64QAM	8	7	19.35	19.46	19.28			
3	64QAM	15	0	19.36	19.42	19.40	21	3	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.55	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	23	1	
1.4	QPSK	3	3	22.27	22.44	22.43			
1.4	QPSK	6	0	21.54	21.58	21.41			
1.4	16QAM	1	0	21.41	21.50	21.35			
1.4	16QAM	1	3	21.33	21.45	21.42	23	1	
1.4	16QAM	1	5	21.41	21.47	21.37			
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	22	2	
1.4	16QAM	6	0	20.47	20.54	20.50			
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 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				23250					
Frequency (MHz)				762					
10	QPSK	1	0		22.73		24		0
10	QPSK	1	25		22.58				
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				
10	16QAM	25	25		20.68		22		2
10	16QAM	50	0		20.64				
10	64QAM	1	0		20.67				
10	64QAM	1	25		20.64				
10	64QAM	1	49		20.59		22		2
10	64QAM	25	0		19.55				
10	64QAM	25	12		19.49				
10	64QAM	25	25		19.59				
10	64QAM	50	0		19.63		21		3
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
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			
5	16QAM	12	13	20.50	20.62	20.57	22		2
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			
5	64QAM	1	24	20.40	20.46	20.44	22		2
5	64QAM	12	0	19.30	19.44	19.38			
5	64QAM	12	7	19.32	19.43	19.33			
5	64QAM	12	13	19.45	19.55	19.49			
5	64QAM	25	0	19.49	19.54	19.47	21		3

Band 25 Ant0 EC17										
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				1860	1860	1905				
Frequency (MHz)				15.30	15.34	15.29				
20	QPSK	1	0	15.30	15.34	15.29	16.5	0		
20	QPSK	1	49	15.18	15.13	15.18				
20	QPSK	1	99	15.12	15.21	15.23				
20	QPSK	50	0	15.28	15.31	15.26	16.5	0		
20	QPSK	50	24	15.04	15.28	15.07				
20	QPSK	50	50	15.22	15.15	15.19				
20	QPSK	100	0	15.27	15.29	15.24	16.5	0		
20	16QAM	1	0	15.17	15.33	15.22				
20	16QAM	1	49	15.07	15.31	15.27				
20	16QAM	1	99	15.17	15.26	15.09	16.5	0		
20	16QAM	50	0	15.20	15.21	15.14				
20	16QAM	50	24	15.23	15.23	15.09				
20	16QAM	50	50	15.19	15.29	15.09	16.5	0		
20	16QAM	100	0	15.08	15.21	15.22				
20	64QAM	1	0	15.13	15.22	15.08				
20	64QAM	1	49	15.05	15.19	15.27	16.5	0		
20	64QAM	1	99	15.18	15.14	15.08				
20	64QAM	50	0	15.19	15.31	15.07				
20	64QAM	50	24	15.24	15.12	15.13	16.5	0		
20	64QAM	50	50	15.29	15.21	15.20				
20	64QAM	100	0	15.10	15.32	15.11				
Channel				26090	26340	26690	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	15.29	15.32	15.14	16.5	0		
15	QPSK	1	37	15.07	14.96	14.99				
15	QPSK	1	74	15.10	15.03	15.13				
15	QPSK	36	0	15.14	15.30	15.07	16.5	0		
15	QPSK	36	20	14.93	15.20	15.03				
15	QPSK	36	39	15.09	15.11	15.03				
15	QPSK	75	0	15.08	15.17	15.22	16.5	0		
15	16QAM	1	0	15.08	15.25	15.07				
15	16QAM	1	37	14.93	15.22	15.16				
15	16QAM	1	74	15.04	15.18	14.92	16.5	0		
15	16QAM	36	0	15.06	15.10	15.12				
15	16QAM	36	20	15.03	15.05	15.04		16.5	0	
15	16QAM	36	39	15.16	15.16	14.94				
15	16QAM	75	0	14.88	15.11	15.16	16.5	0		
15	64QAM	1	0	14.99	15.06	15.07				
15	64QAM	1	37	15.03	15.07	15.16		16.5	0	
15	64QAM	1	74	15.09	14.94	14.89				
15	64QAM	36	0	15.03	15.21	15.02	16.5	0		
15	64QAM	36	20	15.15	15.07	14.94				
15	64QAM	36	39	15.24	15.01	15.14				
15	64QAM	75	0	14.85	15.27	15.05	Tune-up limit (dBm)	MPRR (dB)		
Channel				26090	26340	26640				
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	15.25	15.26	15.20	16.5	0		
10	QPSK	1	25	15.13	14.99	15.10				
10	QPSK	1	49	14.88	15.19	15.08				
10	QPSK	25	0	15.28	15.21	15.15	16.5	0		
10	QPSK	25	12	14.90	15.14	14.93				
10	QPSK	25	25	15.14	15.09	15.07				
10	QPSK	50	0	15.18	15.17	15.21	16.5	0		
10	16QAM	1	0	15.13	15.28	15.16				
10	16QAM	1	25	15.02	15.27	15.15		16.5	0	
10	16QAM	1	49	15.15	15.24	15.01				
10	16QAM	25	0	15.03	15.13	15.04	16.5	0		
10	16QAM	25	12	15.05	15.05	14.98				
10	16QAM	25	25	15.06	15.21	14.96		16.5	0	
10	16QAM	50	0	15.02	15.04	15.14				
10	64QAM	1	0	15.07	15.16	14.94	16.5	0		
10	64QAM	1	25	15.04	15.10	15.21				
10	64QAM	1	49	15.16	15.02	14.89		16.5	0	
10	64QAM	25	0	15.13	15.16	14.98				
10	64QAM	25	12	15.05	15.12	14.96	16.5	0		
10	64QAM	25	25	15.16	15.02	15.05				
10	64QAM	50	0	15.02	15.28	14.97	Tune-up limit (dBm)	MPRR (dB)		
Channel				26055	26340	26655				
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	15.27	15.18	15.26	16.5	0		
5	QPSK	1	12	15.05	15.10	15.02				
5	QPSK	1	24	14.87	15.07	15.16				
5	QPSK	12	0	15.09	15.15	15.09	16.5	0		
5	QPSK	12	7	14.89	15.09	14.89				
5	QPSK	12	13	15.10	15.11	15.03		16.5	0	
5	QPSK	25	0	15.13	15.29	15.19				
5	16QAM	1	0	15.10	15.32	15.10	16.5	0		
5	16QAM	1	12	14.90	15.28	15.20				
5	16QAM	1	24	15.06	15.06	15.05		16.5	0	
5	16QAM	12	0	15.19	15.05	15.07				
5	16QAM	12	7	15.21	15.09	14.96		16.5	0	
5	16QAM	12	13	15.03	15.29	14.97				
5	16QAM	25	0	15.02	15.11	15.14	16.5	0		
5	64QAM	1	0	15.02	15.18	15.02				
5	64QAM	1	12	14.87	15.05	15.10		16.5	0	
5	64QAM	1	24	15.11	15.07	15.01				
5	64QAM	12	0	15.15	15.12	14.98	16.5	0		
5	64QAM	12	7	15.12	14.98	15.00				
5	64QAM	12	13	15.25	15.08	15.18		16.5	0	
5	64QAM	25	0	15.06	15.29	14.93				
Channel				26055	26340	26675	Tune-up limit (dBm)	MPRR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	15.29	15.27	15.17	16.5	0		
3	QPSK	1	8	15.15	14.94	15.15				
3	QPSK	1	14	14.94	15.06	15.13		16.5	0	
3	QPSK	8	0	15.19	15.13	15.07				
3	QPSK	8	4	14.97	15.20	15.04	16.5	0		
3	QPSK	8	7	15.15	15.10	15.11				
3	QPSK	15	0	15.11	15.23	15.16		16.5	0	
3	16QAM	1	0	15.16	15.22	15.11				
3	16QAM	1	8	14.94	15.12	15.16	16.5	0		
3	16QAM	1	14	15.01	15.07	14.93				
3	16QAM	8	0	15.01	15.01	15.01		16.5	0	
3	16QAM	8	4	15.19	15.11	14.96				
3	16QAM	8	7	15.12	15.13	15.08	16.5	0		
3	16QAM	15	0	14.93	15.12	15.15				
3	64QAM	1	0	14.93	15.21	14.99		16.5	0	
3	64QAM	1	8	15.02	15.07	15.20				
3	64QAM	1	14	14.99	14.96	14.91	16.5	0		
3	64QAM	8	0	15.19	15.19	15.04				
3	64QAM	8	4	15.20	15.03	14.94		16.5	0	
3	64QAM	8	7	15.22	15.03	15.13				
3	64QAM	15	0	14.98	15.12	14.94	Tune-up limit (dBm)	MPRR (dB)		
Channel				26047	26340	26683				
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	15.30	15.18	15.23	16.5	0		
1.4	QPSK	1	3	15.02	15.10	15.01				
1.4	QPSK	1	5	15.05	15.20	15.22		16.5	0	
1.4	QPSK	3	0	15.22	15.13	15.17				
1.4	QPSK	3	1	14.95	15.13	14.87	16.5	0		
1.4	QPSK	3	3	15.03	14.97	15.05				
1.4	QPSK	6	0	15.13	15.11	15.20		16.5	0	
1.4	16QAM	1	0	15.09	15.13	15.19	16.5	0		
1.4	16QAM	1	3	14.98	15.14	15.25				
1.4	16QAM	1	5	14.97	15.21	15.23		16.5	0	
1.4	16QAM	3	0	15.09	15.09	14.96				
1.4	16QAM	3	1	15.12	15.10	14.95	16.5	0		
1.4	16QAM	3	3	15.05	15.10	14.94				
1.4	16QAM	6	0	15.04	15.16	15.05		16.5	0	
1.4	64QAM	1	0	14.94	15.16	14.94	16.5	0		
1.4	64QAM	1	3	15.02	15.10	15.14				
1.4	64QAM	1	5	15.05	14.96	15.04		16.5	0	
1.4	64QAM	3	0	15.09	15.20	15.06				
1.4	64QAM	3	1	15.23	15.09	15.12	16.5	0		
1.4	64QAM	3	3	15.12	15.09	15.13				
1.4	64QAM	6	0	14.90	15.14	15.00		16.5	0	

Band 7 Ant1 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				2050	2100	2150			
Frequency (MHz)				2510	2535	2560			
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	0	
20	16QAM	50	0	18.63	18.85	18.71			
20	16QAM	50	24	18.76	18.86	18.84			
20	16QAM	50	50	18.74	18.54	18.76	20	0	
20	16QAM	100	0	18.67	18.76	18.58			
20	64QAM	1	0	18.75	18.82	18.62	20	0	
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	18.87	18.65			
20	64QAM	50	50	18.69	18.98	18.67			
20	64QAM	100	0	18.81	18.80	18.73			
Channel				20823.2	21098.2	21373.2		Tune-up limit (dBm)	
Frequency (MHz)				2505.7	2533.2	2560.7		MPR (dB)	
15	QPSK	1	0	18.80	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	18.80			
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	18.88	18.68	18.61			
15	16QAM	36	20	18.81	18.83	18.99			
15	16QAM	36	39	18.60	18.43	18.75	20	0	
15	16QAM	75	0	18.81	18.63	18.57			
15	64QAM	1	0	18.67	18.66	18.47	20	0	
15	64QAM	1	37	18.66	18.50	18.56			
15	64QAM	1	74	18.71	18.57	18.60			
15	64QAM	36	0	18.62	18.85	18.55	20	0	
15	64QAM	36	20	18.61	18.54	18.53			
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 limit (dBm)	
Frequency (MHz)				2503.2	2533.2	2563.2		MPR (dB)	
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	18.89	18.89			
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 limit (dBm)	
Frequency (MHz)				2500.7	2533.2	2565.7		MPR (dB)	
5	QPSK	1	0	18.80	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	18.89			
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	18.76	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 38 Ant1 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				37850	38000	38150	22	0	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	20.78	20.81	20.80	22	0	
20	QPSK	1	49	20.54	20.56	20.59			
20	QPSK	1	99	20.73	20.61	20.53			
20	QPSK	50	0	20.71	20.79	20.73			
20	QPSK	50	24	20.64	20.50	20.48	22	0	
20	QPSK	50	50	20.46	20.69	20.60			
20	QPSK	100	0	20.66	20.73	20.70			
20	16QAM	1	0	20.60	20.53	20.56			
20	16QAM	1	49	20.54	20.66	20.58	22	0	
20	16QAM	1	99	20.66	20.61	20.56			
20	16QAM	50	0	20.46	20.74	20.56			
20	16QAM	50	24	20.62	20.70	20.39			
20	16QAM	50	50	20.50	20.60	20.56	22	0	
20	16QAM	100	0	20.59	20.65	20.53			
20	64QAM	1	0	20.66	20.56	20.67			
20	64QAM	1	49	20.42	20.58	20.52			
20	64QAM	1	99	20.55	20.72	20.64	21	1	
20	64QAM	50	0	19.81	19.90	19.83			
20	64QAM	50	24	19.68	19.82	19.64			
20	64QAM	50	50	19.76	19.82	19.77			
20	64QAM	100	0	19.69	19.84	19.66			
Channel				37825	38000	38175	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5	22	0	
15	QPSK	1	0	20.65	20.64	20.69			
15	QPSK	1	37	20.40	20.42	20.54	22	0	
15	QPSK	1	74	20.61	20.45	20.49			
15	QPSK	36	0	20.59	20.74	20.69			
15	QPSK	36	20	20.45	20.40	20.43			
15	QPSK	36	39	20.38	20.50	20.43	22	0	
15	QPSK	75	0	20.56	20.56	20.50			
15	16QAM	1	0	20.52	20.34	20.53			
15	16QAM	1	37	20.46	20.53	20.58			
15	16QAM	1	74	20.56	20.55	20.52	22	0	
15	16QAM	36	0	20.27	20.61	20.50			
15	16QAM	36	20	20.43	20.60	20.30			
15	16QAM	36	39	20.45	20.47	20.49			
15	16QAM	75	0	20.42	20.49	20.37	22	0	
15	64QAM	1	0	20.48	20.51	20.50			
15	64QAM	1	37	20.42	20.43	20.43			
15	64QAM	1	74	20.41	20.61	20.58			
15	64QAM	36	0	19.75	19.85	19.69	21	1	
15	64QAM	36	20	19.65	19.71	19.54			
15	64QAM	36	39	19.65	19.70	19.72			
15	64QAM	75	0	19.59	19.79	19.60			
Channel				37800	38000	38200	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2574	2595	2615	22	0	
10	QPSK	1	0	20.67	20.78	20.60			
10	QPSK	1	25	20.47	20.42	20.53	22	0	
10	QPSK	1	49	20.59	20.44	20.47			
10	QPSK	25	0	20.70	20.69	20.71			
10	QPSK	25	12	20.63	20.31	20.29			
10	QPSK	25	25	20.35	20.61	20.57	22	0	
10	QPSK	50	0	20.53	20.59	20.61			
10	16QAM	1	0	20.51	20.52	20.50			
10	16QAM	1	25	20.36	20.46	20.54			
10	16QAM	1	49	20.46	20.50	20.46	22	0	
10	16QAM	25	0	20.44	20.59	20.43			
10	16QAM	25	12	20.50	20.55	20.26			
10	16QAM	25	25	20.47	20.59	20.45			
10	16QAM	50	0	20.48	20.53	20.40	22	0	
10	64QAM	1	0	20.47	20.39	20.51			
10	64QAM	1	25	20.35	20.39	20.42			
10	64QAM	1	49	20.39	20.63	20.58			
10	64QAM	25	0	19.68	19.73	19.77	21	1	
10	64QAM	25	12	19.54	19.68	19.53			
10	64QAM	25	25	19.65	19.68	19.68			
10	64QAM	50	0	19.62	19.75	19.55			
Channel				37775	38000	38225	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				2572.5	2595	2617.5	22	0	
5	QPSK	1	0	20.61	20.64	20.65			
5	QPSK	1	12	20.53	20.44	20.47	22	0	
5	QPSK	1	24	20.71	20.53	20.49			
5	QPSK	12	0	20.53	20.59	20.67			
5	QPSK	12	7	20.63	20.46	20.29			
5	QPSK	12	13	20.31	20.69	20.50	22	0	
5	QPSK	25	0	20.55	20.72	20.66			
5	16QAM	1	0	20.43	20.41	20.43			
5	16QAM	1	12	20.36	20.64	20.57			
5	16QAM	1	24	20.51	20.49	20.44	22	0	
5	16QAM	12	0	20.30	20.55	20.47			
5	16QAM	12	7	20.56	20.69	20.30			
5	16QAM	12	13	20.49	20.44	20.40			
5	16QAM	25	0	20.46	20.62	20.47	22	0	
5	64QAM	1	0	20.54	20.51	20.48			
5	64QAM	1	12	20.41	20.52	20.51			
5	64QAM	1	24	20.37	20.68	20.57			
5	64QAM	12	0	19.69	19.78	19.72	21	1	
5	64QAM	12	7	19.55	19.76	19.54			
5	64QAM	12	13	19.71	19.78	19.69			
5	64QAM	25	0	19.60	19.72	19.56			

Band 41 Ant1 ECI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490	22	0
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.73	20.72	20.85	20.81	20.76	22	0
20	QPSK	1	49	20.64	20.60	20.70	20.70	20.74		
20	QPSK	1	99	20.77	20.76	20.73	20.69	20.65		
20	QPSK	50	0	20.76	20.79	20.82	20.80	20.77		
20	QPSK	50	24	20.75	20.68	20.63	20.61	20.72	22	0
20	QPSK	50	50	20.77	20.64	20.71	20.68	20.63		
20	QPSK	100	0	20.71	20.75	20.79	20.68	20.73		
20	16QAM	1	0	20.75	20.66	20.65	20.59	20.76		
20	16QAM	1	49	20.76	20.65	20.78	20.72	20.71	22	0
20	16QAM	1	99	20.64	20.73	20.81	20.57	20.74		
20	16QAM	50	0	20.76	20.62	20.80	20.67	20.77		
20	16QAM	50	24	20.72	20.71	20.80	20.51	20.71		
20	16QAM	50	50	20.63	20.64	20.70	20.57	20.74	22	0
20	16QAM	100	0	20.75	20.73	20.78	20.64	20.84		
20	64QAM	1	0	20.76	20.70	20.63	20.70	20.68		
20	64QAM	1	49	20.74	20.58	20.70	20.64	20.79		
20	64QAM	1	99	20.69	20.56	20.80	20.69	20.63	21	1
20	64QAM	50	0	19.84	19.87	19.99	19.88	19.76		
20	64QAM	50	24	19.74	19.83	19.88	19.71	19.65		
20	64QAM	50	50	19.76	19.86	19.88	19.82	19.65		
20	64QAM	100	0	19.79	19.85	19.90	19.76	19.57	22	0
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.57	20.63	20.69	20.63	20.75	22	0
15	QPSK	1	37	20.49	20.54	20.61	20.59	20.68		
15	QPSK	1	74	20.67	20.75	20.69	20.50	20.64	22	0
15	QPSK	36	0	20.57	20.69	20.66	20.79	20.63		
15	QPSK	36	20	20.75	20.61	20.52	20.50	20.68		
15	QPSK	36	39	20.75	20.56	20.62	20.60	20.50		
15	QPSK	75	0	20.57	20.60	20.76	20.61	20.59	22	0
15	16QAM	1	0	20.64	20.51	20.51	20.53	20.68		
15	16QAM	1	37	20.60	20.52	20.61	20.65	20.63		
15	16QAM	1	74	20.57	20.64	20.63	20.59	20.63		
15	16QAM	36	0	20.58	20.60	20.60	20.52	20.74	22	0
15	16QAM	36	20	20.64	20.60	20.65	20.33	20.51		
15	16QAM	36	39	20.53	20.56	20.63	20.41	20.57		
15	16QAM	75	0	20.62	20.53	20.69	20.50	20.76		
15	64QAM	1	0	20.57	20.66	20.48	20.59	20.62	22	0
15	64QAM	1	37	20.71	20.38	20.61	20.52	20.71		
15	64QAM	1	74	20.52	20.42	20.69	20.59	20.63		
15	64QAM	36	0	19.84	19.81	19.86	19.83	19.65		
15	64QAM	36	20	19.83	19.69	19.73	19.65	19.55	21	1
15	64QAM	36	39	19.65	19.77	19.75	19.71	19.53		
15	64QAM	75	0	19.76	19.72	19.80	19.66	19.59		
Channel				39750	40185	40620	41060	41490		
Frequency (MHz)				2503	2547	2593	2639	2685		
10	QPSK	1	0	20.54	20.64	20.70	20.80	20.58	22	0
10	QPSK	1	25	20.48	20.53	20.68	20.61	20.55		
10	QPSK	1	49	20.66	20.56	20.57	20.52	20.50	22	0
10	QPSK	25	0	20.65	20.70	20.78	20.67	20.69		
10	QPSK	25	12	20.67	20.58	20.50	20.44	20.53		
10	QPSK	25	25	20.74	20.63	20.65	20.56	20.61		
10	QPSK	50	0	20.65	20.70	20.65	20.52	20.56	22	0
10	16QAM	1	0	20.70	20.50	20.58	20.40	20.68		
10	16QAM	1	25	20.67	20.50	20.65	20.55	20.62		
10	16QAM	1	49	20.62	20.56	20.65	20.43	20.71		
10	16QAM	25	0	20.60	20.60	20.72	20.56	20.73	22	0
10	16QAM	25	12	20.54	20.62	20.77	20.59	20.66		
10	16QAM	25	25	20.60	20.60	20.64	20.50	20.63		
10	16QAM	50	0	20.63	20.59	20.60	20.54	20.68		
10	64QAM	1	0	20.63	20.52	20.61	20.65	20.56	22	0
10	64QAM	1	25	20.71	20.50	20.65	20.57	20.69		
10	64QAM	1	49	20.51	20.46	20.72	20.54	20.59		
10	64QAM	25	0	19.82	19.75	19.89	19.82	19.63		
10	64QAM	25	12	19.64	19.68	19.84	19.61	19.56	21	1
10	64QAM	25	25	19.65	19.74	19.75	19.70	19.59		
10	64QAM	50	0	19.66	19.76	19.77	19.71	19.62		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2494.5	25433	25933	26403.5	26875		
5	QPSK	1	0	20.67	20.05	20.07	20.67	20.64	22	0
5	QPSK	1	12	20.52	20.46	20.67	20.51	20.61		
5	QPSK	1	24	20.69	20.64	20.60	20.51	20.61	22	0
5	QPSK	12	0	20.74	20.78	20.79	20.76	20.75		
5	QPSK	12	7	20.72	20.52	20.43	20.57	20.69		
5	QPSK	12	13	20.61	20.61	20.66	20.48	20.58		
5	QPSK	25	0	20.67	20.58	20.70	20.52	20.61	22	0
5	16QAM	0	0	20.56	20.57	20.62	20.42	20.66		
5	16QAM	1	12	20.75	20.56	20.75	20.52	20.57		
5	16QAM	1	24	20.55	20.71	20.62	20.42	20.71		
5	16QAM	12	0	20.63	20.43	20.60	20.62	20.77	22	0
5	16QAM	12	7	20.52	20.56	20.64	20.49	20.60		
5	16QAM	12	13	20.46	20.56	20.58	20.49	20.60		
5	16QAM	25	0	20.68	20.65	20.64	20.45	20.81		
5	64QAM	1	0	20.58	20.56	20.58	20.70	20.49	22	0
5	64QAM	1	12	20.60	20.52	20.63	20.46	20.66		
5	64QAM	1	24	20.62	20.53	20.62	20.58	20.59		
5	64QAM	12	0	19.89	19.77	19.85	19.79	19.68		
5	64QAM	12	7	19.69	19.75	19.84	19.57	19.63	21	1
5	64QAM	12	13	19.72	19.81	19.80	19.70	19.59		
5	64QAM	25	0	19.71	19.75	19.86	19.65	19.57		

Band 2 Ant4 EC17											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	Tune-up limit (dBm)	MPR (dB)			
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.					
				18700	18900	19100					
Channel				1860	1880	1900					
Frequency (MHz)				1850	1870	1890					
20	QPSK	1	0	15.74	15.76	15.71	17	0			
20	QPSK	1	49	15.51	15.60	15.69					
20	QPSK	1	99	15.51	15.70	15.62					
20	QPSK	50	0	15.71	15.73	15.68	17	0			
20	QPSK	50	24	15.50	15.61	15.51					
20	QPSK	50	50	15.51	15.63	15.55					
20	QPSK	100	0	15.64	15.70	15.68	17	0			
20	16QAM	1	0	15.52	15.57	15.61					
20	16QAM	1	49	15.62	15.68	15.53					
20	16QAM	1	99	15.48	15.65	15.44	17	0			
20	16QAM	50	0	15.54	15.56	15.43					
20	16QAM	50	24	15.53	15.68	15.57					
20	16QAM	50	50	15.63	15.54	15.51	17	0			
20	16QAM	100	0	15.53	15.75	15.58					
20	64QAM	1	0	15.60	15.63	15.61					
20	64QAM	1	49	15.47	15.64	15.53	17	0			
20	64QAM	1	99	15.46	15.53	15.62					
20	64QAM	50	0	15.58	15.63	15.61					
20	64QAM	50	24	15.48	15.56	15.65	17	0			
20	64QAM	50	50	15.53	15.59	15.62					
20	64QAM	100	0	15.55	15.69	15.53					
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	15.63	15.69	15.61	17	0			
15	QPSK	1	37	15.47	15.44	15.64					
15	QPSK	1	74	15.39	15.63	15.50					
15	QPSK	36	0	15.71	15.64	15.61	17	0			
15	QPSK	36	20	15.35	15.54	15.32					
15	QPSK	36	39	15.46	15.47	15.45					
15	QPSK	75	0	15.57	15.59	15.62	17	0			
15	16QAM	1	0	15.38	15.49	15.49					
15	16QAM	1	37	15.53	15.48	15.45					
15	16QAM	1	74	15.30	15.60	15.38	17	0			
15	16QAM	36	0	15.40	15.48	15.28					
15	16QAM	36	20	15.54	15.50	15.46					
15	16QAM	36	39	15.56	15.38	15.49	17	0			
15	16QAM	75	0	15.44	15.63	15.53					
15	64QAM	1	0	15.49	15.63	15.48					
15	64QAM	1	37	15.45	15.57	15.39	17	0			
15	64QAM	1	74	15.32	15.39	15.53					
15	64QAM	36	0	15.41	15.63	15.49					
15	64QAM	36	20	15.41	15.53	15.50	17	0			
15	64QAM	36	39	15.40	15.44	15.58					
15	64QAM	75	0	15.52	15.54	15.37					
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1905					
10	QPSK	1	0	15.62	15.70	15.71	17	0			
10	QPSK	1	25	15.43	15.41	15.56					
10	QPSK	1	49	15.44	15.51	15.58					
10	QPSK	25	0	15.52	15.69	15.56	17	0			
10	QPSK	25	12	15.32	15.42	15.32					
10	QPSK	25	25	15.51	15.48	15.36					
10	QPSK	50	0	15.45	15.59	15.53	17	0			
10	16QAM	1	0	15.34	15.38	15.48					
10	16QAM	1	25	15.56	15.48	15.52					
10	16QAM	1	49	15.47	15.55	15.37	17	0			
10	16QAM	25	0	15.43	15.56	15.33					
10	16QAM	25	12	15.48	15.53	15.51					
10	16QAM	25	25	15.48	15.48	15.34	17	0			
10	16QAM	50	0	15.44	15.59	15.49					
10	64QAM	1	0	15.59	15.60	15.46					
10	64QAM	1	25	15.41	15.45	15.44	17	0			
10	64QAM	1	49	15.37	15.46	15.62					
10	64QAM	25	0	15.45	15.59	15.43					
10	64QAM	25	12	15.31	15.40	15.59	17	0			
10	64QAM	25	25	15.48	15.48	15.60					
10	64QAM	50	0	15.54	15.53	15.39					
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	15.60	15.71	15.57	17	0			
5	QPSK	1	12	15.32	15.55	15.49					
5	QPSK	1	24	15.41	15.57	15.58					
5	QPSK	12	0	15.53	15.61	15.60	17	0			
5	QPSK	12	7	15.48	15.44	15.35					
5	QPSK	12	13	15.59	15.58	15.39					
5	QPSK	25	0	15.52	15.55	15.54	17	0			
5	16QAM	1	0	15.41	15.56	15.43					
5	16QAM	1	12	15.50	15.55	15.39					
5	16QAM	1	24	15.46	15.50	15.30	17	0			
5	16QAM	12	0	15.34	15.36	15.43					
5	16QAM	12	7	15.52	15.55	15.43					
5	16QAM	12	13	15.45	15.40	15.50	17	0			
5	16QAM	25	0	15.44	15.73	15.44					
5	64QAM	1	0	15.48	15.57	15.52					
5	64QAM	1	12	15.30	15.60	15.39	17	0			
5	64QAM	1	24	15.44	15.49	15.47					
5	64QAM	12	0	15.45	15.49	15.57					
5	64QAM	12	7	15.44	15.45	15.51	17	0			
5	64QAM	12	13	15.35	15.45	15.43					
5	64QAM	25	0	15.37	15.59	15.44					
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1906.5					
3	QPSK	1	0	15.61	15.62	15.60	17	0			
3	QPSK	1	8	15.37	15.55	15.55					
3	QPSK	1	14	15.47	15.52	15.44					
3	QPSK	8	0	15.57	15.57	15.52	17	0			
3	QPSK	8	4	15.40	15.60	15.35					
3	QPSK	8	7	15.43	15.59	15.37					
3	QPSK	15	0	15.52	15.52	15.66	17	0			
3	16QAM	1	0	15.34	15.53	15.47					
3	16QAM	1	8	15.55	15.63	15.38					
3	16QAM	1	14	15.31	15.45	15.37	17	0			
3	16QAM	8	0	15.51	15.49	15.41					
3	16QAM	8	4	15.50	15.57	15.39					
3	16QAM	8	7	15.47	15.39	15.33	17	0			
3	16QAM	15	0	15.36	15.73	15.42					
3	64QAM	1	0	15.43	15.45	15.58					
3	64QAM	1	8	15.45	15.63	15.48	17	0			
3	64QAM	1	14	15.41	15.44	15.44					
3	64QAM	8	0	15.52	15.48	15.51					
3	64QAM	8	4	15.36	15.40	15.45	17	0			
3	64QAM	8	7	15.43	15.50	15.61					
3	64QAM	15	0	15.50	15.64	15.46					
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				18507	1880	1909.3					
1.4	QPSK	1	0	15.74	15.59	15.70	17	0			
1.4	QPSK	1	3	15.45	15.47	15.53					
1.4	QPSK	1	5	15.49	15.64	15.44					
1.4	QPSK	3	0	15.68	15.68	15.54	17	0			
1.4	QPSK	3	1	15.45	15.49	15.52					
1.4	QPSK	3	3	15.59	15.43	15.51					
1.4	QPSK	6	0	15.49	15.52	15.49	17	0			
1.4	16QAM	1	0	15.51	15.50	15.56					
1.4	16QAM	1	3	15.43	15.65	15.47					
1.4	16QAM	1	5	15.31	15.58	15.41	17	0			
1.4	16QAM	3	0	15.47	15.47	15.51					
1.4	16QAM	3	1	15.47	15.51	15.57					
1.4	16QAM	3	3	15.51	15.35	15.42	17	0			
1.4	16QAM	6	0	15.45	15.61	15.53					
1.4	64QAM	1	0	15.59	15.48	15.44					
1.4	64QAM	1	3	15.44	15.51	15.37	17	0			
1.4	64QAM	1	5	15.29	15.44	15.52					
1.4	64QAM	3	0	15.47	15.49	15.43					
1.4	64QAM	3	1	15.40	15.37	15.52	17	0			
1.4	64QAM	3	3	15.43	15.51	15.50					
1.4	64QAM	6	0	15.44	15.68	15.43					

Band 5 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				20450	20525	20600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	21.93	21.96	21.79	22.5	0	
10	QPSK	1	25	21.89	21.88	21.75			
10	QPSK	1	49	21.64	21.83	21.85			
10	QPSK	25	0	20.80	21.01	20.91			
10	QPSK	25	12	20.75	20.95	20.96	21.5	1	
10	QPSK	25	25	20.72	20.90	20.90			
10	QPSK	50	0	20.75	20.93	20.88			
10	16QAM	1	0	20.91	20.96	20.96			
10	16QAM	1	25	20.76	20.90	20.91	21.5	1	
10	16QAM	1	49	20.73	20.86	20.76			
10	16QAM	25	0	19.84	19.98	19.89			
10	16QAM	25	12	19.90	19.90	19.88			
10	16QAM	25	25	19.96	19.94	19.92	20.5	2	
10	16QAM	50	0	19.69	19.90	19.78			
10	64QAM	1	0	19.74	19.92	19.78			
10	64QAM	1	25	19.84	19.86	19.76			
10	64QAM	1	49	19.76	19.82	19.81	20.5	2	
10	64QAM	25	0	18.81	18.92	18.89			
10	64QAM	25	12	18.78	18.83	18.79			
10	64QAM	25	25	18.80	18.80	18.85			
10	64QAM	50	0	18.80	18.87	18.85	19.5	3	
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	21.84	21.91	21.71	22.5	0	
5	QPSK	1	12	21.75	21.82	21.75			
5	QPSK	1	24	21.47	21.84	21.81			
5	QPSK	12	0	20.68	20.67	20.75			
5	QPSK	12	7	20.66	20.60	20.90	21.5	1	
5	QPSK	12	13	20.61	20.60	20.85			
5	QPSK	25	0	20.75	20.79	20.74			
5	16QAM	1	0	20.73	20.82	20.75			
5	16QAM	1	12	20.71	20.92	20.85	21.5	1	
5	16QAM	1	24	20.55	20.67	20.71			
5	16QAM	12	0	19.81	19.96	19.85			
5	16QAM	12	7	19.79	19.76	19.87			
5	16QAM	12	13	19.76	19.90	19.81	20.5	2	
5	16QAM	25	0	19.61	19.70	19.68			
5	64QAM	1	0	19.63	19.90	19.80			
5	64QAM	1	12	19.82	19.73	19.64			
5	64QAM	1	24	19.77	19.61	19.61	20.5	2	
5	64QAM	12	0	18.82	18.73	18.84			
5	64QAM	12	7	18.59	18.70	18.71			
5	64QAM	12	13	18.72	18.67	18.77			
5	64QAM	25	0	18.75	18.83	18.65	19.5	3	
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	21.93	21.76	21.60	22.5	0	
3	QPSK	1	8	21.74	21.67	21.67			
3	QPSK	1	14	21.56	21.72	21.77			
3	QPSK	8	0	20.93	21.02	20.93			
3	QPSK	8	4	20.71	20.82	20.81	21.5	1	
3	QPSK	8	7	20.65	20.72	20.81			
3	QPSK	15	0	20.73	20.86	20.87			
3	16QAM	1	0	20.83	20.86	20.79			
3	16QAM	1	8	20.60	20.89	20.80	21.5	1	
3	16QAM	1	14	20.64	20.79	20.77			
3	16QAM	8	0	19.91	19.97	19.71			
3	16QAM	8	4	19.76	19.72	19.71			
3	16QAM	8	7	19.90	19.79	19.75	20.5	2	
3	16QAM	15	0	19.50	19.76	19.70			
3	64QAM	1	0	19.76	19.70	19.75			
3	64QAM	1	8	19.64	19.87	19.75			
3	64QAM	1	14	19.71	19.73	19.70	20.5	2	
3	64QAM	8	0	18.60	18.80	18.82			
3	64QAM	8	4	18.62	18.78	18.61			
3	64QAM	8	7	18.71	18.77	18.79			
3	64QAM	15	0	18.60	18.80	18.83	19.5	3	
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	21.82	21.87	21.64	22.5	0	
1.4	QPSK	1	3	21.85	21.84	21.56			
1.4	QPSK	1	5	21.59	21.72	21.82			
1.4	QPSK	3	0	21.78	21.80	21.67			
1.4	QPSK	3	1	21.44	21.71	21.73	21.5	1	
1.4	QPSK	3	3	21.55	21.52	21.56			
1.4	QPSK	6	0	20.54	20.91	20.73			
1.4	16QAM	1	0	20.91	20.81	20.79			
1.4	16QAM	1	3	20.72	20.77	20.71	21.5	1	
1.4	16QAM	1	5	20.60	20.78	20.74			
1.4	16QAM	3	0	20.89	20.85	20.97			
1.4	16QAM	3	1	20.67	20.90	20.93			
1.4	16QAM	3	3	20.63	20.82	20.67	20.5	2	
1.4	16QAM	6	0	19.64	19.70	19.60			
1.4	64QAM	1	0	19.75	19.79	19.71			
1.4	64QAM	1	3	19.64	19.73	19.70			
1.4	64QAM	1	5	19.77	19.62	19.61	20.5	2	
1.4	64QAM	3	0	19.69	19.85	19.56			
1.4	64QAM	3	1	19.63	19.78	19.58			
1.4	64QAM	3	3	19.72	19.83	19.75			
1.4	64QAM	6	0	18.63	18.72	18.71	19.5	3	

Band 66 Ant4 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				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	18.81	18.85	18.79	19.5	0	
20	QPSK	1	49	18.66	18.74	18.71			
20	QPSK	1	99	18.74	18.70	18.63			
20	QPSK	50	0	18.79	18.82	18.80			
20	QPSK	50	24	18.63	18.77	18.71	19.5	0	
20	QPSK	50	50	18.71	18.67	18.71			
20	QPSK	100	0	18.75	18.76	18.71			
20	16QAM	1	0	18.66	18.74	18.64			
20	16QAM	1	49	18.63	18.77	18.69	19.5	0	
20	16QAM	1	99	18.61	18.65	18.53			
20	16QAM	50	0	18.56	18.71	18.52			
20	16QAM	50	24	18.69	18.69	18.70			
20	16QAM	50	50	18.62	18.80	18.63	19.5	0	
20	16QAM	100	0	18.65	18.65	18.60			
20	64QAM	1	0	18.66	18.61	18.68			
20	64QAM	1	49	18.54	18.79	18.59			
20	64QAM	1	99	18.55	18.73	18.55	18.5	1	
20	64QAM	50	0	17.88	17.94	17.74			
20	64QAM	50	24	17.81	17.89	17.82			
20	64QAM	50	50	17.83	17.86	17.83			
20	64QAM	100	0	17.92	17.92	17.80			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	18.63	18.65	18.79	19.5	0	
15	QPSK	1	37	18.48	18.58	18.69			
15	QPSK	1	74	18.55	18.53	18.55			
15	QPSK	36	0	18.65	18.79	18.69			
15	QPSK	36	20	18.53	18.61	18.60	19.5	0	
15	QPSK	36	39	18.63	18.66	18.62			
15	QPSK	75	0	18.73	18.58	18.55			
15	16QAM	1	0	18.60	18.55	18.46			
15	16QAM	1	37	18.47	18.65	18.59	19.5	0	
15	16QAM	1	74	18.58	18.50	18.51			
15	16QAM	36	0	18.46	18.69	18.36			
15	16QAM	36	20	18.57	18.63	18.70			
15	16QAM	36	39	18.62	18.66	18.62	19.5	0	
15	16QAM	75	0	18.50	18.48	18.43			
15	64QAM	1	0	18.57	18.51	18.50			
15	64QAM	1	37	18.47	18.66	18.46			
15	64QAM	1	74	18.40	18.66	18.53	18.5	1	
15	64QAM	36	0	17.81	17.82	17.61			
15	64QAM	36	20	17.88	17.76	17.79			
15	64QAM	36	39	17.72	17.72	17.72			
15	64QAM	75	0	17.78	17.79	17.67			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	18.75	18.77	18.60	19.5	0	
10	QPSK	1	25	18.49	18.62	18.63			
10	QPSK	1	49	18.58	18.66	18.59			
10	QPSK	25	0	18.76	18.72	18.69			
10	QPSK	25	12	18.72	18.68	18.67	19.5	0	
10	QPSK	25	25	18.64	18.64	18.56			
10	QPSK	50	0	18.74	18.65	18.56			
10	16QAM	1	0	18.57	18.55	18.52			
10	16QAM	1	25	18.53	18.61	18.61	19.5	0	
10	16QAM	1	49	18.43	18.47	18.44			
10	16QAM	25	0	18.50	18.62	18.48			
10	16QAM	25	12	18.65	18.67	18.65			
10	16QAM	25	25	18.43	18.64	18.50	19.5	0	
10	16QAM	50	0	18.61	18.65	18.60			
10	64QAM	1	0	18.69	18.47	18.66			
10	64QAM	1	25	18.62	18.59	18.57			
10	64QAM	1	49	18.47	18.70	18.49	19.5	0	
10	64QAM	25	0	17.77	17.75	17.57			
10	64QAM	25	12	17.58	17.68	17.58			
10	64QAM	25	25	17.64	17.70	17.61			
10	64QAM	50	0	17.63	17.74	17.52	18.5	1	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	18.62	18.83	18.60			
5	QPSK	1	12	18.49	18.61	18.66			
5	QPSK	1	24	18.72	18.59	18.49			
5	QPSK	12	0	18.75	18.80	18.74			
5	QPSK	12	7	18.56	18.54	18.52	19.5	0	
5	QPSK	12	13	18.58	18.50	18.64			
5	QPSK	25	0	18.71	18.68	18.63			
5	16QAM	1	0	18.62	18.69	18.49			
5	16QAM	1	12	18.53	18.59	18.50	19.5	0	
5	16QAM	1	24	18.55	18.54	18.51			
5	16QAM	12	0	18.49	18.56	18.37			
5	16QAM	12	7	18.57	18.54	18.50			
5	16QAM	12	13	18.48	18.69	18.43	19.5	0	
5	16QAM	25	0	18.58	18.56	18.53			
5	64QAM	1	0	18.52	18.58	18.63			
5	64QAM	1	12	18.74	18.73	18.67			
5	64QAM	1	24	18.48	18.66	18.49	18.5	1	
5	64QAM	12	0	17.86	17.74	17.55			
5	64QAM	12	7	18.57	18.70	17.61			
5	64QAM	12	13	17.67	17.74	17.57			
5	64QAM	25	0	17.64	17.68	17.51			
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1777.5			
3	QPSK	1	0	18.61	18.75	18.65	19.5	0	
3	QPSK	1	8	18.51	18.72	18.68			
3	QPSK	1	14	18.63	18.58	18.56			
3	QPSK	8	0	18.76	18.76	18.76			
3	QPSK	8	4	18.47	18.70	18.53	19.5	0	
3	QPSK	8	7	18.55	18.64	18.62			
3	QPSK	15	0	18.70	18.64	18.56			
3	16QAM	1	0	18.51	18.66	18.54			
3	16QAM	1	8	18.57	18.65	18.58	19.5	0	
3	16QAM	1	14	18.46	18.57	18.35			
3	16QAM	8	0	18.63	18.70	18.39			
3	16QAM	8	4	18.63	18.50	18.62			
3	16QAM	8	7	18.56	18.62	18.58	19.5	0	
3	16QAM	15	0	18.48	18.45	18.58			
3	64QAM	1	0	18.47	18.47	18.66			
3	64QAM	1	8	18.53	18.61	18.39			
3	64QAM	1	14	18.51	18.70	18.49	18.5	1	
3	64QAM	8	0	17.78	17.76	17.57			
3	64QAM	8	4	17.58	17.73	17.73			
3	64QAM	8	7	17.58	17.65	17.72			
3	64QAM	15	0	17.68	17.67	17.63			
Channel				131979	132322	132656	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.5			
1.4	QPSK	1	0	18.72	18.71	18.70	19.5	0	
1.4	QPSK	1	3	18.49	18.65	18.63			
1.4	QPSK	1	6	18.66	18.56	18.59			
1.4	QPSK	3	0	18.75	18.74	18.73			
1.4	QPSK	3	1	18.61	18.69	18.59	19.5	0	
1.4	QPSK	3	3	18.69	18.63	18.51			
1.4	QPSK	6	0	18.71	18.65	18.60			
1.4	16QAM	1	0	18.60	18.69	18.54			
1.4	16QAM	1	3	18.49	18.64	18.58	19.5	0	
1.4	16QAM	1	5	18.43	18.49	18.39			
1.4	16QAM	3	0	18.40	18.70	18.40			
1.4	16QAM	3	1	18.62	18.49	18.62			
1.4	16QAM	3	3	18.56	18.50	18.46	19.5	0	
1.4	16QAM	6	0	18.52	18.70	18.52			
1.4	64QAM	1	0	18.68	18.53	18.58			
1.4	64QAM	1	3	18.60	18.75	18.55			
1.4	QPSK	1	0	18.60	18.56	18.59	19.5	0	
1.4	QPSK	1	3	18.70	18.64	18.64			
1.4	QPSK	3	1	18.57	18.60	18.69			
1.4	64QAM	3	3	18.63	18.61	18.48			
1.4	64QAM	6	0	17.69	17.78	17.53	18.5	1	

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	42590	42990			
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	14.38	14.42	14.39	16		
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		
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		
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		
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		
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		
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		
20	64QAM	50	50	14.25	14.26	14.24			
20	64QAM	100	0	14.20	14.32	14.27			
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500	3542.5			
15	QPSK	1	0	14.27	14.25	14.29	16		
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		
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		
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		
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		
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		
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		
15	64QAM	36	39	14.11	14.25	14.19			
15	64QAM	75	0	14.14	14.21	14.16			
Channel				42140	42590	43060	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500	3545			
10	QPSK	1	0	14.26	14.34	14.34	16		
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		
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		
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		
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		
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		
10	64QAM	1	49	14.03	14.15	14.03			
10	64QAM	25	0	14.06	14.18	14.23			
10	64QAM	25	12	14.13	14.39	14.26	16		
10	64QAM	25	25	14.16	14.18	14.08			
10	64QAM	50	0	14.22	14.19	14.13			
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3452.5	3500	3547.5			
5	QPSK	1	0	14.21	14.30	14.19	16		
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		
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		
5	16QAM	1	0	14.35	14.28	14.25			
5	16QAM	1	12	14.19	14.15	14.22			
5	16QAM	1	24	14.30	14.21	14.17	16		
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		
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		
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		
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																
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18700	Power Middle Ch./Freq. 18900	Power High Ch./Freq. 19100	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	20.72	20.96	20.80										
20	QPSK	50	50	20.70	20.76	20.76										
20	QPSK	100	0	20.61	20.75	20.71	22	1								
20	16QAM	1	0	20.68	20.75	20.54										
20	16QAM	1	49	20.60	20.59	20.51										
20	16QAM	1	99	20.62	20.74	20.45	21	2								
20	16QAM	50	0	19.87	20.01	19.82										
20	16QAM	50	24	19.81	19.94	19.73										
20	16QAM	50	50	19.77	19.87	19.75	21	2								
20	16QAM	100	0	19.68	19.83	19.70										
20	64QAM	1	0	19.74	19.96	19.87										
20	64QAM	1	49	19.73	19.90	19.78	20	3								
20	64QAM	1	99	19.82	19.83	19.73										
20	64QAM	50	0	18.91	18.84	18.67										
20	64QAM	50	24	18.95	18.88	18.76	21	2								
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	20.77	20.80	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	22	1								
15	16QAM	1	0	20.48	20.70	20.55										
15	16QAM	1	37	20.49	20.59	20.35										
15	16QAM	1	74	20.53	20.76	20.46	21	2								
15	16QAM	36	0	19.83	19.97	19.64										
15	16QAM	36	20	19.62	19.79	19.66										
15	16QAM	36	39	19.50	19.57	19.76	21	2								
15	16QAM	75	0	19.52	19.66	19.49										
15	64QAM	1	0	19.68	19.83	19.68										
15	64QAM	1	37	19.74	19.86	19.64	20	3								
15	64QAM	1	74	19.63	19.81	19.59										
15	64QAM	36	0	18.90	18.87	18.68										
15	64QAM	36	20	18.61	18.74	18.74	21	3								
15	64QAM	36	39	18.57	18.81	18.67										
15	64QAM	75	0	18.51	18.81	18.67										
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	20.89	20.67										
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	21	2								
10	16QAM	25	0	19.69	19.91	19.72										
10	16QAM	25	12	19.49	19.91	19.67										
10	16QAM	25	25	19.64	19.73	19.59	21	2								
10	16QAM	50	0	19.54	19.61	19.80										
10	64QAM	1	0	19.70	19.82	19.72										
10	64QAM	1	25	19.58	19.70	19.80	21	2								
10	64QAM	1	49	19.79	19.74	19.68										
10	64QAM	25	0	18.89	18.75	18.48										
10	64QAM	25	12	18.43	18.87	18.66	20	3								
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	21.67	21.77										
5	QPSK	12	0	20.99	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	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	21	2								
5	16QAM	12	0	19.66	19.88	19.70										
5	16QAM	12	7	19.66	19.90	19.51										
5	16QAM	12	13	19.52	19.63	19.63	21	2								
5	16QAM	25	0	19.56	19.69	19.63										
5	64QAM	1	0	19.54	19.76	19.85										
5	64QAM	1	12	19.74	19.72	19.61	21	2								
5	64QAM	1	24	19.84	19.85	19.69										
5	64QAM	12	0	18.88	18.79	18.49										
5	64QAM	12	7	18.46	18.87	18.63	20	3								
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	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	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	21	2								
3	16QAM	8	0	19.76	19.96	19.82										
3	16QAM	8	4	19.56	19.87	19.55										
3	16QAM	8	7	19.68	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	21	2								
3	64QAM	1	14	19.85	19.69	19.61										
3	64QAM	8	0	18.84	18.69	18.69										
3	64QAM	8	4	18.54	18.74	18.75	20	3								
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	21.76	21.78	22	1								
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	22	1								
1.4	16QAM	3	0	20.51	20.70	20.54										
1.4	16QAM	3	1	20.39	20.49	20.39										
1.4	16QAM	3	3	20.57	20.68	20.43	21	2								
1.4	16QAM	6	0	19.72	19.94	19.68										
1.4	64QAM	1	0	19.64	19.87	19.63										
1.4	64QAM	1	3	19.54	19.61	19.74	21	2								
1.4	64QAM	1	5	19.65	19.77	19.50										
1.4	64QAM	3	0	19.57	19.78	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 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)	MPR (dB)			
Channel				20800	21100	21350					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	22.79	22.93	22.80	24	0			
20	QPSK	1	49	22.56	22.86	22.64					
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					
20	16QAM	50	50	20.64	20.89	20.54	22	2			
20	16QAM	100	0	20.72	20.89	20.72					
20	84QAM	1	0	20.81	20.74	20.63					
20	84QAM	1	49	20.46	20.84	20.52					
20	84QAM	1	99	20.42	20.63	20.61	21	3			
20	84QAM	50	0	19.71	19.88	19.84					
20	84QAM	50	24	19.75	19.84	19.71					
20	84QAM	50	50	19.68	19.86	19.81					
20	84QAM	100	0	19.75	19.82	19.73					
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				2507.5	2535	2562.5					
15	QPSK	1	0	22.81	22.85	22.90	24	0			
15	QPSK	1	37	22.53	22.85	22.55					
15	QPSK	1	74	22.66	22.68	22.66					
15	QPSK	36	0	21.88	21.84	21.78					
15	QPSK	36	20	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	20	20.72	20.77	20.83					
15	16QAM	36	39	20.88	20.82	20.95	22	2			
15	16QAM	75	0	20.58	20.85	20.74					
15	84QAM	1	0	20.78	20.85	20.64					
15	84QAM	1	37	20.50	20.63	20.54	22	2			
15	84QAM	1	74	20.54	20.67	20.66					
15	84QAM	36	0	19.72	19.83	19.69					
15	84QAM	36	20	19.75	19.87	19.84					
15	84QAM	36	39	19.87	19.80	19.77	21	3			
15	84QAM	75	0	19.77	19.92	19.84					
Channel				20800	21100	21400	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2505	2535	2565					
10	QPSK	1	0	22.81	22.87	22.76	24	0			
10	QPSK	1	25	22.74	22.68	22.64					
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	21.70	21.76	23	1			
10	QPSK	25	25	21.71	21.84	21.80					
10	QPSK	50	0	21.53	21.83	21.78					
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	20.50	20.91	20.81					
10	16QAM	25	25	20.74	20.87	20.64	22	2			
10	16QAM	50	0	20.75	20.92	20.62					
10	84QAM	1	0	20.85	20.77	20.67					
10	84QAM	1	25	20.64	20.65	20.64	22	2			
10	84QAM	1	49	20.46	20.66	20.61					
10	84QAM	25	0	19.59	19.83	19.85					
10	84QAM	25	12	19.60	19.75	19.72					
10	84QAM	25	25	19.74	19.81	19.92	21	3			
10	84QAM	50	0	19.62	19.92	19.69					
Channel				20775	21100	21425	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5					
5	QPSK	1	0	22.62	22.78	22.84	24	0			
5	QPSK	1	12	22.67	22.70	22.67					
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					
5	16QAM	12	13	20.75	20.86	20.57	22	2			
5	16QAM	25	0	20.65	20.80	20.57					
5	84QAM	1	0	20.89	20.75	20.50					
5	84QAM	1	12	20.50	20.61	20.69	22	2			
5	84QAM	1	24	20.50	20.70	20.62					
5	84QAM	12	0	19.82	19.76	19.73					
5	84QAM	12	7	19.58	19.67	19.77					
5	84QAM	12	13	19.80	19.72	19.79	21	3			
5	84QAM	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)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.86	22.88	22.70	24	0			
20	QPSK	1	49	22.69	22.79	22.65					
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	19.64	19.64					
20	64QAM	50	50	19.79	19.79	19.84	21	3			
20	64QAM	100	0	19.77	19.84	19.73					
Channel							Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)							1717.5			1745	1772.5
15	QPSK	1	0	22.59	22.77	22.68	24	0			
15	QPSK	1	37	22.48	22.73	22.58					
15	QPSK	1	74	22.61	22.79	22.52					
15	QPSK	36	0	21.91	21.86	21.84					
15	QPSK	36	20	21.73	21.71	21.60	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	20.64	20.91	20.71	22	2			
15	16QAM	36	39	20.62	20.97	20.61					
15	16QAM	75	0	20.70	20.73	20.50					
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	20.60					
15	64QAM	36	0	19.78	19.75	19.74					
15	64QAM	36	20	19.67	19.72	19.86					
15	64QAM	36	39	19.64	19.78	19.78	21	3			
15	64QAM	36	75	19.61	19.78	19.61					
Channel							Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)							1712.5			1745	1772.5
10	QPSK	1	0	22.73	22.71	22.70	24	0			
10	QPSK	1	25	22.62	22.66	22.67					
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	21.68	23	1			
10	QPSK	25	25	21.63	21.81	21.70					
10	QPSK	50	0	21.73	21.83	21.57					
10	16QAM	1	0	21.67	21.69	21.71					
10	16QAM	1	25	21.64	21.64	21.68	23	1			
10	16QAM	1	49	21.50	21.73	21.63					
10	16QAM	25	0	20.65	20.97	20.76					
10	16QAM	25	12	20.66	20.84	20.62	22	2			
10	16QAM	25	25	20.76	20.95	20.67					
10	16QAM	50	0	20.57	20.70	20.74					
10	64QAM	1	0	20.76	20.64	20.48					
10	64QAM	1	25	20.58	20.68	20.60	22	2			
10	64QAM	1	49	20.57	20.57	20.73					
10	64QAM	25	0	19.58	19.81	19.82					
10	64QAM	25	12	19.72	19.82	19.75					
10	64QAM	25	25	19.65	19.82	19.75	21	3			
10	64QAM	50	0	19.80	19.88	19.70					
Channel							Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)							1719.7			1745	1777.5
5	QPSK	1	0	22.74	22.80	22.72	24	0			
5	QPSK	1	12	22.64	22.69	22.60					
5	QPSK	1	24	22.54	22.62	22.45					
5	QPSK	12	0	21.79	21.83	21.88					
5	QPSK	12	7	21.75	21.86	21.79	23	1			
5	QPSK	12	13	21.77	21.80	21.74					
5	QPSK	25	0	21.52	21.76	21.62					
5	16QAM	1	0	21.86	21.87	21.76					
5	16QAM	1	12	21.60	21.68	21.65	23	1			
5	16QAM	1	24	21.43	21.69	21.68					
5	16QAM	12	0	20.66	20.76	20.93					
5	16QAM	12	7	20.66	20.77	20.73	22	2			
5	16QAM	12	13	20.65	20.96	20.63					
5	16QAM	25	0	20.70	20.88	20.69					
5	64QAM	1	0	20.65	20.70	20.56					
5	64QAM	1	12	20.45	20.57	20.68	22	2			
5	64QAM	1	24	20.40	20.53	20.62					
5	64QAM	12	0	19.73	19.76	19.64					
5	64QAM	12	7	19.72	19.66	19.63					
5	64QAM	12	13	19.68	19.77	19.71	21	3			
5	64QAM	25	0	19.64	19.72	19.80					
Channel							Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)							1719.7			1745	1778.5
3	QPSK	1	0	22.76	22.81	22.83	24	0			
3	QPSK	1	8	22.70	22.70	22.56					
3	QPSK	1	14	22.53	22.72	22.67					
3	QPSK	8	0	21.74	21.98	21.85					
3	QPSK	8	4	21.71	21.90	21.75	23	1			
3	QPSK	8	7	21.80	21.68	21.78					
3	QPSK	15	0	21.58	21.78	21.61					
3	16QAM	1	0	21.71	21.84	21.64					
3	16QAM	1	8	21.74	21.78	21.53	23	1			
3	16QAM	1	14	21.47	21.67	21.53					
3	16QAM	8	0	20.77	20.99	20.95					
3	16QAM	8	4	20.56	20.86	20.83	22	2			
3	16QAM	8	7	20.77	20.81	20.75					
3	16QAM	15	0	20.57	20.71	20.55					
3	64QAM	1	0	20.65	20.65	20.44					
3	64QAM	1	8	20.37	20.59	20.61	22	2			
3	64QAM	1	14	20.41	20.54	20.64					
3	64QAM	8	0	19.67	19.89	19.72					
3	64QAM	8	4	19.71	19.76	19.77	21	3			
3	64QAM	8	7	19.76	19.90	19.95					
3	64QAM	15	0	19.74	19.85	19.70					
Channel										Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)							1710.7	1745	1779.3		
1.4	QPSK	1	0	22.39	22.84	22.68	24	0			
1.4	QPSK	1	3	22.54	22.71	22.53					
1.4	QPSK	1	5	22.48	22.63	22.42					
1.4	QPSK	3	0	22.56	22.75	22.70					
1.4	QPSK	3	1	22.41	22.54	22.43	23	1			
1.4	QPSK	3	3	22.30	22.49	22.42					
1.4	QPSK	6	0	21.40	21.62	21.73					
1.4	16QAM	1	0	21.62	21.86	21.64					
1.4	16QAM	1	3	21.62	21.76	21.58	23	1			
1.4	16QAM	1	5	21.67	21.64	21.63					
1.4	16QAM	3	0	21.34	21.64	21.50					
1.4	16QAM	3	3	21.54	21.55	21.54	22	2			
1.4	64QAM	1	0	20.52	20.61	20.65					
1.4	64QAM	1	3	20.37	20.66	20.57					
1.4	64QAM	1	5	20.40	20.62	20.47					
1.4	64QAM	3	0	20.57	20.68	20.40	22	2			
1.4	64QAM	3	1	20.58	20.61	20.44					
1.4	64QAM	3	3	20.38	20.54	20.53					
1.4	64QAM	6	0	19.42	19.67	19.54					
21	3	3		19.42	19.67	19.53	21	3			

ECI2 Power

Band 2 Ant0 NSA ECI2										
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										
Frequency (MHz)				18700	18900	19100				
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	20.72	20.96	20.80				
20	QPSK	50	50	20.70	20.76	20.76				
20	QPSK	100	0	20.61	20.75	20.71	22	1		
20	16QAM	1	0	20.68	20.75	20.54				
20	16QAM	1	49	20.60	20.59	20.51				
20	16QAM	1	99	20.62	20.74	20.45	21	2		
20	16QAM	50	0	19.87	20.01	19.82				
20	16QAM	50	24	19.81	19.94	19.73				
20	16QAM	50	50	19.77	19.87	19.75	21	2		
20	16QAM	100	0	19.68	19.83	19.70				
20	64QAM	1	0	19.74	19.96	19.87				
20	64QAM	1	49	19.73	19.90	19.78	21	2		
20	64QAM	1	99	19.82	19.83	19.73				
20	64QAM	50	0	18.91	18.84	18.67				
20	64QAM	50	24	18.85	18.88	18.76	20	3		
20	64QAM	50	50	18.76	18.78	18.81				
20	64QAM	100	0	18.71	18.80	18.77				
Channel										
Frequency (MHz)				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
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	20.77	20.80	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	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	21	2		
15	16QAM	36	0	19.83	19.97	19.64				
15	16QAM	36	20	19.62	19.79	19.66				
15	16QAM	36	39	19.50	19.57	19.76	21	2		
15	16QAM	75	0	19.52	19.66	19.49				
15	64QAM	1	0	19.68	19.83	19.68				
15	64QAM	1	37	19.74	19.86	19.64	21	2		
15	64QAM	1	74	19.63	19.81	19.59				
15	64QAM	36	0	18.90	18.67	18.68				
15	64QAM	36	20	18.61	18.74	18.74	20	3		
15	64QAM	36	39	18.57	18.81	18.67				
15	64QAM	75	0	18.51	18.81	18.76				
Channel										
Frequency (MHz)				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
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	20.89	20.72				
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	21	2		
10	16QAM	25	0	19.69	19.91	19.72				
10	16QAM	25	12	19.49	19.91	19.67				
10	16QAM	25	25	19.64	19.73	19.59	21	2		
10	16QAM	50	0	19.54	19.61	19.80				
10	64QAM	1	0	19.70	19.82	19.72				
10	64QAM	1	25	19.58	19.70	19.80	21	2		
10	64QAM	1	49	19.79	19.74	19.68				
10	64QAM	25	0	18.89	18.75	18.48				
10	64QAM	25	12	18.43	18.87	18.66	20	3		
10	64QAM	25	25	18.59	18.66	18.73				
10	64QAM	50	0	18.62	18.64	18.77				
Channel										
Frequency (MHz)				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
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	21.67	21.77				
5	QPSK	12	0	20.59	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	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	21	2		
5	16QAM	12	0	19.66	19.88	19.70				
5	16QAM	12	7	19.66	19.90	19.51				
5	16QAM	12	13	19.52	19.63	19.63	21	2		
5	16QAM	25	0	19.56	19.69	19.63				
5	64QAM	1	0	19.54	19.76	19.85				
5	64QAM	1	12	19.74	19.72	19.61	21	2		
5	64QAM	1	24	19.84	19.85	19.69				
5	64QAM	12	0	18.88	18.79	18.48				
5	64QAM	12	7	18.46	18.87	18.63	20	3		
5	64QAM	12	13	18.58	18.62	18.76				
5	64QAM	25	0	18.52	18.58	18.71				
Channel										
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)	MPR (dB)		
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	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	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	21	2		
3	16QAM	8	0	19.76	19.96	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	21	2		
3	64QAM	1	14	19.65	19.69	19.61				
3	64QAM	8	0	18.84	18.69	18.69				
3	64QAM	8	4	18.54	18.77	18.75	20	3		
3	64QAM	8	7	18.63	18.80	18.79				
3	64QAM	15	0	18.61	18.64	18.63				
Channel										
Frequency (MHz)				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	21.91	21.86	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	20.76	21.26	21.78	22	1		
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	22	1		
1.4	16QAM	3	0	20.52	20.57	20.54				
1.4	16QAM	3	1	20.39	20.49	20.39				
1.4	16QAM	3	3	20.57	20.68	20.43	21	2		
1.4	16QAM	6	0	19.72	19.94	19.68				
1.4	64QAM	1	0	19.64	19.87	19.63				
1.4	64QAM	1	3	19.54	19.61	19.74	21	2		
1.4	64QAM	1	5	19.65	19.77	19.50				
1.4	64QAM	3	0	19.57	19.78	19.74				
1.4	64QAM	3	1	19.69	19.69	19.56	21	2		
1.4	64QAM	3	3	19.62	19.83	19.65				
1.4	64QAM	6	0	18.93	18.70	18.63				



Band 2 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				15700	15900	19100				
Frequency (MHz)				1560	1580	1900				
20	QPSK	1	0	19.99	20.17	20.09	21	0		
20	QPSK	1	49	19.89	20.08	20.06				
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	19.76	20.11	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				
20	16QAM	50	50	19.94	20.12	20.16	21	0		
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				
20	64QAM	1	99	19.76	20.12	20.06	21	0		
20	64QAM	50	0	19.76	20.12	19.87				
20	64QAM	50	24	19.85	20.13	20.12				
20	64QAM	50	50	19.78	20.13	19.96				
20	64QAM	100	0	19.85	20.11	20.06				
Channel				15675	15900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1557.5	1580	1902.5				
15	QPSK	1	0	19.94	20.02	19.98	21	0		
15	QPSK	1	37	19.92	20.03	20.08				
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	20.06	21	0		
15	QPSK	36	36	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	19.76	19.99	20.14				
15	16QAM	36	36	19.73	20.05	19.87	21	0		
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				
15	64QAM	1	74	19.66	19.97	20.07	21	0		
15	64QAM	36	0	19.74	20.05	19.89				
15	64QAM	36	20	19.87	19.93	20.05				
15	64QAM	36	36	19.77	19.99	20.05				
15	64QAM	75	0	19.91	20.09	20.05				
Channel				15650	15900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1555	1580	1905				
10	QPSK	1	0	19.97	20.12	20.06	21	0		
10	QPSK	1	25	19.94	20.07	19.89				
10	QPSK	1	49	19.87	20.07	19.89				
10	QPSK	25	0	19.79	20.09	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				
10	16QAM	25	25	19.98	19.98	19.93	21	0		
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				
10	64QAM	1	49	19.70	20.11	19.92	21	0		
10	64QAM	25	0	19.77	20.06	19.89				
10	64QAM	25	12	19.77	20.09	20.00				
10	64QAM	25	25	19.76	20.15	19.88				
10	64QAM	50	0	19.89	20.04	20.01				
Channel				15625	15900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1552.5	1580	1907.5				
5	QPSK	1	0	20.02	20.05	19.95	21	0		
5	QPSK	1	12	19.85	19.96	20.01				
5	QPSK	1	24	19.67	19.86	19.93				
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				
5	16QAM	12	13	19.99	20.08	20.04	21	0		
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	19.93				
5	64QAM	1	24	19.59	19.97	19.88	21	0		
5	64QAM	12	0	19.77	20.02	19.80				
5	64QAM	12	7	19.94	19.99	19.93				
5	64QAM	12	13	19.82	20.03	19.85				
5	64QAM	25	0	19.89	19.99	20.09				
Channel				15615	15900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1551.5	1580	1906.5				
3	QPSK	1	0	19.87	20.05	19.96	21	0		
3	QPSK	1	8	19.75	20.11	19.94				
3	QPSK	1	14	19.69	20.04	19.81				
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				
3	16QAM	8	7	19.97	20.06	20.12	21	0		
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				
3	64QAM	1	14	19.62	19.99	20.01	21	0		
3	64QAM	8	0	19.77	20.01	19.73				
3	64QAM	8	4	19.75	20.03	20.01				
3	64QAM	8	7	19.77	20.01	19.78				
3	64QAM	15	0	19.77	20.13	19.97				
Channel				15607	15900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				15507	1580	1900.3				
1.4	QPSK	1	0	20.003	20.16	20.07	21	0		
1.4	QPSK	1	3	19.92	20.07	20.05				
1.4	QPSK	1	5	19.87	20.06	20.01				
1.4	QPSK	3	0	19.90	20.05	19.87				
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				
1.4	16QAM	1	5	19.87	19.96	20.05	21	0		
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				
1.4	16QAM	6	0	20.002	20.00	20.08	21	0		
1.4	64QAM	1	0	19.70	20.00	19.91				
1.4	64QAM	1	3	19.74	19.95	19.85				
1.4	64QAM	1	5	19.74	20.11	20.05				
1.4	64QAM	3	0	19.68	20.16	19.68	21	0		
1.4	64QAM	3	1	19.68	20.04	20.15				
1.4	64QAM	3	3	19.69	20.05	19.84				
1.4	64QAM	6	0	19.89	19.97	19.91				

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				20650	21100	21550	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		
20	QPSK	50	24	13.12	13.25	13.30	14.5	0
20	QPSK	50	50	13.11	13.38	13.13		
20	QPSK	100	0	13.35	13.37	13.31		
20	16QAM	1	0	13.24	13.34	13.26		
20	16QAM	1	49	13.12	13.25	13.21	14.5	0
20	16QAM	1	99	13.27	13.24	13.15		
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		
20	64QAM	1	99	13.27	13.42	13.27	14.5	0
20	64QAM	50	0	13.25	13.46	13.26		
20	64QAM	50	24	13.14	13.43	13.30		
20	64QAM	50	50	13.30	13.46	13.18		
20	64QAM	100	0	13.13	13.33	13.24	14.5	0
Channel				20625	21100	21575		
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		
15	QPSK	36	20	12.95	13.16	13.15	14.5	0
15	QPSK	36	39	13.05	13.27	13.11		
15	QPSK	75	0	13.33	13.36	13.23		
15	16QAM	1	0	13.10	13.33	13.07		
15	16QAM	1	37	13.11	13.13	13.15	14.5	0
15	16QAM	1	74	13.24	13.05	13.17		
15	16QAM	36	0	13.11	13.28	13.28		
15	16QAM	36	20	13.07	13.24	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	13.26	13.16	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	13.26	13.27		
15	64QAM	36	39	13.22	13.34	13.00	14.5	0
15	64QAM	75	0	12.94	13.35	13.24		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	13.25	13.35	13.28	14.5	0
10	QPSK	1	25	13.05	13.26	13.13		
10	QPSK	1	49	13.25	13.15	13.14		
10	QPSK	25	0	13.20	13.35	13.25		
10	QPSK	25	12	13.03	13.26	13.25	14.5	0
10	QPSK	25	25	13.09	13.33	12.99		
10	QPSK	50	0	13.16	13.38	13.29		
10	16QAM	1	0	13.07	13.17	13.11		
10	16QAM	1	25	13.09	13.12	13.13	14.5	0
10	16QAM	1	49	13.20	13.24	12.99		
10	16QAM	25	0	13.00	13.13	13.30		
10	16QAM	25	12	13.16	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	13.16		
10	64QAM	25	12	12.99	13.33	13.20		
10	64QAM	25	25	13.10	13.37	13.20	14.5	0
10	64QAM	50	0	13.00	13.13	13.23		
Channel				20775	21100	21425		
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	13.26		
5	QPSK	12	7	13.00	13.11	13.16	14.5	0
5	QPSK	12	13	12.96	13.39	13.12		
5	QPSK	25	0	13.34	13.32	13.18		
5	16QAM	1	0	13.16	13.13	13.28		
5	16QAM	1	12	13.10	13.11	13.11	14.5	0
5	16QAM	1	24	13.25	13.14	12.96		
5	16QAM	12	0	13.01	13.26	13.27		
5	16QAM	12	7	13.19	13.35	13.15		
5	16QAM	12	13	13.38	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		
5	64QAM	12	13	13.29	13.30	13.07	14.5	0
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				132072	132322	132572			
Frequency (MHz)				1745	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	QPSK	50	24	18.63	18.74	18.55	20	0	
20	QPSK	50	50	18.59	18.62	18.50			
20	QPSK	100	0	18.76	18.84	18.79			
20	16QAM	1	0	18.60	18.72	18.68			
20	16QAM	1	49	18.60	18.74	18.54	20	0	
20	16QAM	1	99	18.44	18.78	18.61			
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	18.72	18.69			
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	64QAM	50	50	18.55	18.79	18.59	20	0	
20	64QAM	100	0	18.66	18.72	18.63			
Channel				132047	132322	132597	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			
15	QPSK	36	20	18.66	18.58	18.52	20	0	
15	QPSK	36	39	18.54	18.49	18.46			
15	QPSK	75	0	18.77	18.84	18.73			
15	16QAM	1	0	18.66	18.64	18.53			
15	16QAM	1	37	18.54	18.60	18.54	20	0	
15	16QAM	1	74	18.45	18.73	18.56			
15	16QAM	36	0	18.59	18.60	18.51			
15	16QAM	36	20	18.54	18.56	18.62			
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			
15	64QAM	36	39	18.45	18.83	18.60	20	0	
15	64QAM	75	0	18.71	18.56	18.65			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1779			
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			
10	QPSK	25	12	18.63	18.76	18.68	20	0	
10	QPSK	25	25	18.63	18.64	18.37			
10	QPSK	50	0	18.66	18.72	18.70			
10	16QAM	1	0	18.48	18.76	18.71			
10	16QAM	1	25	18.48	18.67	18.53	20	0	
10	16QAM	1	49	18.39	18.68	18.45			
10	16QAM	25	0	18.54	18.73	18.58			
10	16QAM	25	12	18.43	18.73	18.61			
10	16QAM	25	25	18.63	18.49	18.67	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			
10	64QAM	1	49	18.72	18.72	18.51	20	0	
10	64QAM	25	0	18.66	18.53	18.46			
10	64QAM	25	12	18.71	18.76	18.51			
10	64QAM	25	25	18.54	18.69	18.69			
10	64QAM	50	0	18.70	18.68	18.69	20	0	
Channel				131987	132322	132687			Tune-up limit (dBm)
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			
5	QPSK	1	24	18.55	18.80	18.74			
5	QPSK	12	0	18.56	18.80	18.74			
5	QPSK	12	7	18.54	18.60	18.47	20	0	
5	QPSK	12	13	18.66	18.47	18.40			
5	QPSK	25	0	18.71	18.78	18.81			
5	16QAM	1	0	18.47	18.70	18.65			
5	16QAM	1	12	18.63	18.65	18.50	20	0	
5	16QAM	1	24	18.41	18.64	18.53			
5	16QAM	12	0	18.57	18.57	18.59			
5	16QAM	12	7	18.47	18.75	18.47			
5	16QAM	12	13	18.66	18.70	18.62	20	0	
5	16QAM	25	0	18.52	18.72	18.72			
5	64QAM	1	0	18.50	18.65	18.49			
5	64QAM	1	12	18.56	18.78	18.48			
5	64QAM	1	24	18.52	18.70	18.50	20	0	
5	64QAM	12	0	18.51	18.73	18.54			
5	64QAM	12	7	18.41	18.69	18.46			
5	64QAM	12	13	18.60	18.74	18.51			
5	64QAM	25	0	18.68	18.65	18.53	20	0	
Channel				131987	132322	132687			Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	18.77	18.73	18.77	20	0	
3	QPSK	1	8	18.50	18.66	18.72			
3	QPSK	1	14	18.64	18.78	18.73			
3	QPSK	8	0	18.72	18.84	18.58			
3	QPSK	8	4	18.55	18.59	18.61	20	0	
3	QPSK	8	7	18.67	18.67	18.41			
3	QPSK	15	0	18.62	18.73	18.65			
3	16QAM	1	0	18.52	18.63	18.75			
3	16QAM	1	8	18.59	18.75	18.52	20	0	
3	16QAM	1	14	18.28	18.74	18.55			
3	16QAM	8	0	18.59	18.71	18.59			
3	16QAM	8	4	18.56	18.65	18.61			
3	16QAM	8	7	18.65	18.52	18.51	20	0	
3	16QAM	15	0	18.61	18.71	18.60			
3	64QAM	1	0	18.45	18.73	18.53			
3	64QAM	1	8	18.43	18.63	18.49			
3	64QAM	1	14	18.54	18.64	18.54	20	0	
3	64QAM	8	0	18.62	18.54	18.47			
3	64QAM	8	4	18.36	18.65	18.45			
3	64QAM	8	7	18.58	18.75	18.45			
3	64QAM	15	0	18.73	18.69	18.61	20	0	
Channel				131979	132322	132695			Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	18.77	18.78	18.78	20	0	
1.4	QPSK	1	3	18.49	18.65	18.72			
1.4	QPSK	1	5	18.57	18.71	18.71			
1.4	QPSK	3	1	18.74	18.71	18.76			
1.4	QPSK	3	4	18.55	18.59	18.61	20	0	
1.4	QPSK	3	3	18.46	18.52	18.55			
1.4	QPSK	6	0	18.74	18.81	18.66			
1.4	16QAM	1	0	18.49	18.64	18.74			
1.4	16QAM	1	3	18.45	18.80	18.48	20	0	
1.4	16QAM	1	5	18.34	18.79	18.51			
1.4	16QAM	3	0	18.54	18.76	18.54			
1.4	16QAM	3	1	18.38	18.53	18.54			
1.4	16QAM	3	3	18.50	18.71	18.68	20	0	
1.4	16QAM	6	0	18.48	18.71	18.66			
1.4	64QAM	1	0	18.43	18.76	18.46			
1.4	64QAM	1	3	18.56	18.80	18.48			
1.4	64QAM	1	5	18.57	18.54	18.55	20	0	
1.4	64QAM	3	0	18.66	18.53	18.50			
1.4	64QAM	3	1	18.46	18.75	18.43			
1.4	64QAM	3	3	18.54	18.68	18.64			
1.4	64QAM	6	0	18.74	18.75	18.55	20	0	

ECI3 Power

Band 2 Ant0 NSA ECI3														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 19700	Power Middle Ch./Freq. 19900	Power High Ch./Freq. 20100	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	14.64	14.69	14.62	15.5	0						
20	QPSK	1	49	14.62	14.57	14.34								
20	QPSK	1	99	14.50	14.65	14.48								
20	QPSK	50	0	14.57	14.66	14.63	15.5	0						
20	QPSK	50	24	14.44	14.47	14.46								
20	QPSK	50	50	14.41	14.45	14.33								
20	QPSK	100	0	14.56	14.60	14.53	15.5	0						
20	16QAM	1	0	14.49	14.60	14.45								
20	16QAM	1	49	14.44	14.50	14.55								
20	16QAM	1	99	14.55	14.57	14.38	15.5	0						
20	16QAM	50	0	14.41	14.53	14.39								
20	16QAM	50	24	14.55	14.44	14.39								
20	16QAM	50	50	14.60	14.56	14.50	15.5	0						
20	16QAM	100	0	14.59	14.59	14.54								
20	64QAM	1	0	14.62	14.61	14.52								
20	64QAM	1	49	14.49	14.57	14.33	15.5	0						
20	64QAM	1	99	14.49	14.46	14.51								
20	64QAM	50	0	14.50	14.59	14.51								
20	64QAM	50	24	14.62	14.63	14.38	15.5	0						
20	64QAM	50	50	14.63	14.60	14.39								
20	64QAM	100	0	14.52	14.53	14.49								
Channel														
Frequency (MHz)														
15	QPSK	1	0	14.55	14.65	14.62	15.5	0						
15	QPSK	1	37	14.53	14.53	14.25								
15	QPSK	1	74	14.47	14.68	14.43								
15	QPSK	36	0	14.51	14.53	14.34	15.5	0						
15	QPSK	36	20	14.48	14.35	14.37								
15	QPSK	36	39	14.22	14.41	14.32								
15	QPSK	75	0	14.57	14.61	14.40	15.5	0						
15	16QAM	1	0	14.38	14.49	14.34								
15	16QAM	1	37	14.35	14.51	14.50								
15	16QAM	1	74	14.39	14.43	14.41	15.5	0						
15	16QAM	36	0	14.33	14.50	14.32								
15	16QAM	36	20	14.44	14.44	14.37								
15	16QAM	36	39	14.45	14.41	14.48	15.5	0						
15	16QAM	75	0	14.45	14.46	14.37								
15	64QAM	1	0	14.60	14.43	14.46								
15	64QAM	1	37	14.39	14.55	14.24	15.5	0						
15	64QAM	1	74	14.32	14.46	14.40								
15	64QAM	36	0	14.49	14.55	14.38								
15	64QAM	36	20	14.63	14.46	14.32	15.5	0						
15	64QAM	36	39	14.63	14.64	14.29								
15	64QAM	75	0	14.51	14.43	14.47								
Channel														
Frequency (MHz)														
10	QPSK	1	0	14.67	14.60	14.53	15.5	0						
10	QPSK	1	25	14.49	14.40	14.37								
10	QPSK	1	49	14.45	14.63	14.45								
10	QPSK	25	0	14.44	14.56	14.64	15.5	0						
10	QPSK	25	12	14.33	14.44	14.45								
10	QPSK	25	25	14.35	14.33	14.25								
10	QPSK	50	0	14.56	14.58	14.56	15.5	0						
10	16QAM	1	0	14.49	14.63	14.37								
10	16QAM	1	25	14.25	14.36	14.36								
10	16QAM	1	49	14.47	14.41	14.22	15.5	0						
10	16QAM	25	0	14.25	14.51	14.41								
10	16QAM	25	12	14.36	14.43	14.40								
10	16QAM	25	25	14.56	14.43	14.43	15.5	0						
10	16QAM	50	0	14.39	14.51	14.50								
10	64QAM	1	0	14.47	14.54	14.39								
10	64QAM	1	25	14.48	14.56	14.16	15.5	0						
10	64QAM	1	49	14.50	14.45	14.40								
10	64QAM	25	0	14.41	14.52	14.49								
10	64QAM	25	12	14.47	14.64	14.30	15.5	0						
10	64QAM	25	25	14.44	14.54	14.41								
10	64QAM	50	0	14.41	14.41	14.42								
Channel														
Frequency (MHz)														
5	QPSK	1	0	14.58	14.54	14.56	15.5	0						
5	QPSK	1	12	14.63	14.55	14.38								
5	QPSK	1	24	14.37	14.54	14.36								
5	QPSK	12	0	14.38	14.62	14.60	15.5	0						
5	QPSK	12	7	14.35	14.30	14.43								
5	QPSK	12	13	14.30	14.39	14.27								
5	QPSK	25	0	14.48	14.47	14.52	15.5	0						
5	16QAM	1	0	14.32	14.56	14.32								
5	16QAM	1	12	14.26	14.33	14.46								
5	16QAM	1	24	14.49	14.52	14.25	15.5	0						
5	16QAM	12	0	14.41	14.34	14.40								
5	16QAM	12	7	14.42	14.32	14.43								
5	16QAM	12	13	14.55	14.44	14.32	15.5	0						
5	16QAM	25	0	14.46	14.52	14.37								
5	64QAM	1	0	14.56	14.50	14.46								
5	64QAM	1	12	14.34	14.60	14.17	15.5	0						
5	64QAM	1	24	14.47	14.46	14.33								
5	64QAM	12	0	14.32	14.57	14.35								
5	64QAM	12	7	14.58	14.55	14.35	15.5	0						
5	64QAM	12	13	14.63	14.48	14.36								
5	64QAM	25	0	14.49	14.42	14.46								
Channel														
Frequency (MHz)														
3	QPSK	1	0	14.44	14.65	14.64	15.5	0						
3	QPSK	1	8	14.50	14.46	14.24								
3	QPSK	1	14	14.33	14.59	14.30								
3	QPSK	8	0	14.58	14.64	14.65	15.5	0						
3	QPSK	8	4	14.41	14.47	14.29								
3	QPSK	8	7	14.42	14.31	14.24								
3	QPSK	15	0	14.50	14.61	14.36	15.5	0						
3	16QAM	1	0	14.44	14.42	14.41								
3	16QAM	1	8	14.45	14.49	14.41								
3	16QAM	1	14	14.40	14.47	14.35	15.5	0						
3	16QAM	8	0	14.45	14.46	14.25								
3	16QAM	8	4	14.36	14.31	14.36								
3	16QAM	8	7	14.61	14.45	14.33	15.5	0						
3	16QAM	15	0	14.45	14.56	14.40								
3	64QAM	1	0	14.48	14.48	14.51								
3	64QAM	1	8	14.38	14.51	14.19	15.5	0						
3	64QAM	1	14	14.33	14.40	14.40								
3	64QAM	8	0	14.37	14.58	14.31								
3	64QAM	8	4	14.49	14.54	14.37	15.5	0						
3	64QAM	8	7	14.63	14.54	14.37								
3	64QAM	15	0	14.37	14.52	14.40								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	14.66	14.60	14.44	15.5	0						
1.4	QPSK	1	3	14.49	14.58	14.25								
1.4	QPSK	1	5	14.36	14.45	14.35								
1.4	QPSK	3	0	14.56	14.65	14.62	15.5	0						
1.4	QPSK	3	1	14.32	14.40	14.27								
1.4	QPSK	3	3	14.30	14.47	14.29								
1.4	QPSK	6	0	14.53	14.55	14.46	15.5	0						
1.4	16QAM	1	0	14.52	14.54	14.46								
1.4	16QAM	1	3	14.35	14.53	14.39								
1.4	16QAM	1	5	14.53	14.46	14.28	15.5	0						
1.4	16QAM	3	0	14.35	14.47	14.31								
1.4	16QAM	3	3	14.43	14.31	14.27								
1.4	16QAM	6	0	14.53	14.50	14.58	15.5	0						
1.4	64QAM	1	0	14.61	14.63	14.35								
1.4	64QAM	1	3	14.43	14.56	14.35								
1.4	64QAM	1	5	14.48	14.49	14.40	15.5	0						
1.4	64QAM	3	0	14.51	14.44	14.46								
1.4	64QAM	3	1	14.49	14.63	14.25								
1.4	64QAM	3	3	14.58	14.48	14.23	15.5	0						
1.4	64QAM	6	0	14.50	14.42	14.44								

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				18700	18800	19100				
Frequency (MHz)				1880	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	20.5	0		
20	QPSK	50	24	19.60	19.65	19.58				
20	QPSK	50	50	19.37	19.65	19.58				
20	QPSK	100	0	19.59	19.59	19.55	20.5	0		
20	16QAM	1	0	19.59	19.63	19.50				
20	16QAM	1	49	19.39	19.53	19.48				
20	16QAM	1	99	19.56	19.58	19.55	20.5	0		
20	16QAM	50	0	19.50	19.56	19.69				
20	16QAM	50	24	19.55	19.66	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	20.5	0		
20	64QAM	1	49	19.46	19.66	19.67				
20	64QAM	1	99	19.38	19.71	19.46				
20	64QAM	50	0	19.49	19.53	19.51	20.5	0		
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				
Channel				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	19.62	19.64	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	20.5	0		
15	QPSK	36	20	19.45	19.59	19.45				
15	QPSK	36	36	19.45	19.56	19.50				
15	QPSK	75	0	19.45	19.48	19.41	20.5	0		
15	16QAM	1	0	19.55	19.47	19.41				
15	16QAM	1	37	19.33	19.40	19.37				
15	16QAM	1	74	19.50	19.60	19.36	20.5	0		
15	16QAM	36	0	19.41	19.59	19.61				
15	16QAM	36	20	19.57	19.50	19.46				
15	16QAM	36	36	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	20.5	0		
15	64QAM	1	37	19.43	19.54	19.70				
15	64QAM	1	74	19.32	19.70	19.50				
15	64QAM	36	0	19.49	19.39	19.44	20.5	0		
15	64QAM	36	20	19.53	19.56	19.46				
15	64QAM	36	36	19.45	19.51	19.44				
15	64QAM	75	0	19.33	19.59	19.55				
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18550	18800	19075				
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	20.5	0		
10	QPSK	25	12	19.52	19.48	19.62				
10	QPSK	25	25	19.41	19.51	19.61				
10	QPSK	50	0	19.45	19.42	19.52	20.5	0		
10	16QAM	1	0	19.41	19.67	19.33				
10	16QAM	1	25	19.36	19.48	19.50				
10	16QAM	1	49	19.38	19.59	19.54	20.5	0		
10	16QAM	25	0	19.51	19.58	19.58				
10	16QAM	25	12	19.48	19.52	19.49				
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	20.5	0		
10	64QAM	1	25	19.35	19.47	19.62				
10	64QAM	1	49	19.41	19.60	19.33				
10	64QAM	25	0	19.47	19.37	19.38	20.5	0		
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				
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	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	20.5	0		
5	QPSK	12	7	19.51	19.54	19.39				
5	QPSK	12	13	19.28	19.47	19.52				
5	QPSK	25	0	19.40	19.51	19.50	20.5	0		
5	16QAM	1	0	19.64	19.52	19.40				
5	16QAM	1	12	19.38	19.37	19.36				
5	16QAM	1	24	19.42	19.42	19.39	20.5	0		
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	20.5	0		
5	64QAM	1	12	19.36	19.48	19.61				
5	64QAM	1	24	19.39	19.73	19.40				
5	64QAM	12	0	19.45	19.41	19.33	20.5	0		
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				
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1906.5				
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	19.46	20.5	0		
3	QPSK	8	4	19.47	19.63	19.55				
3	QPSK	8	7	19.32	19.64	19.47				
3	QPSK	15	0	19.54	19.61	19.41	20.5	0		
3	16QAM	1	0	19.44	19.45	19.45				
3	16QAM	1	8	19.41	19.51	19.50				
3	16QAM	1	14	19.57	19.49	19.48	20.5	0		
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	20.5	0		
3	64QAM	1	8	19.49	19.70	19.62				
3	64QAM	1	14	19.20	19.60	19.32				
3	64QAM	8	0	19.47	19.45	19.41	20.5	0		
3	64QAM	8	4	19.40	19.63	19.56				
3	64QAM	8	7	19.53	19.58	19.42				
3	64QAM	15	0	19.40	19.72	19.68				
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				18507	1880	1909.3				
1.4	QPSK	1	0	19.54	19.51	19.40	20.5	0		
1.4	QPSK	1	3	19.57	19.51	19.68				
1.4	QPSK	1	5	19.37	19.40	19.38				
1.4	QPSK	3	0	19.45	19.52	19.63	20.5	0		
1.4	QPSK	3	4	19.54	19.51	19.59				
1.4	QPSK	3	3	19.18	19.57	19.42				
1.4	QPSK	6	0	19.45	19.58	19.46	20.5	0		
1.4	16QAM	1	0	19.52	19.50	19.51				
1.4	16QAM	1	3	19.39	19.35	19.44				
1.4	16QAM	1	5	19.55	19.43	19.55	20.5	0		
1.4	16QAM	3	0	19.36	19.37	19.49				
1.4	16QAM	3	1	19.37	19.06	19.56				
1.4	16QAM	3	3	19.43	19.58	19.52	20.5	0		
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	19.42	19.37	20.5	0		
1.4	64QAM	3	0	19.32	19.45	19.33				
1.4	64QAM	3	1	19.48	19.51	19.54				
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 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)	MPR (db)			
Channel				20850	21100	21550					
Frequency (MHz)				2510	2535	2560					
20	QPSK	1	0	16.32	16.42	16.38	17.5	0			
20	QPSK	1	49	16.14	16.26	16.20					
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					
20	16QAM	50	50	16.25	16.37	16.30	17.5	0			
20	16QAM	100	0	16.09	16.25	16.16					
20	84QAM	1	0	16.08	16.23	16.07					
20	84QAM	1	49	16.24	16.22	16.07	17.5	0			
20	84QAM	1	99	16.26	16.36	16.29					
20	84QAM	50	0	16.18	16.39	16.10					
20	84QAM	50	24	16.26	16.23	16.28					
20	84QAM	50	50	16.09	16.26	16.25	17.5	0			
20	84QAM	100	0	16.14	16.21	16.11					
Channel				20825	21100	21375	Tune-up limit (dbm)				
Frequency (MHz)				2507.5	2535	2562.5	MPR (db)				
15	QPSK	1	0	16.25	16.29	16.24	17.5	0			
15	QPSK	1	37	16.07	16.21	16.05					
15	QPSK	1	74	16.09	16.06	16.21					
15	QPSK	36	0	16.25	16.22	16.28					
15	QPSK	36	20	15.88	16.27	16.07	17.5	0			
15	QPSK	36	39	16.16	16.21	16.18					
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	20	16.22	16.17	16.12					
15	16QAM	36	39	16.10	16.29	16.06	17.5	0			
15	16QAM	75	0	15.94	16.16	16.10					
15	84QAM	1	0	16.10	16.04	15.96					
15	84QAM	1	37	16.14	16.24	16.10	17.5	0			
15	84QAM	1	74	16.09	16.31	16.12					
15	84QAM	36	0	16.10	16.38	15.97					
15	84QAM	36	20	16.16	16.34	16.17					
15	84QAM	36	39	15.89	16.27	16.06	17.5	0			
15	84QAM	75	0	16.05	16.15	16.13					
Channel				20800	21100	21400	Tune-up limit (dbm)				
Frequency (MHz)				25050	2535	2565	MPR (db)				
10	QPSK	1	0	16.33	16.41	16.23	17.5	0			
10	QPSK	1	25	16.18	16.30	16.05					
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	16.15	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					
10	16QAM	25	25	16.10	16.27	16.02	17.5	0			
10	16QAM	50	0	16.11	16.13	16.16					
10	84QAM	1	0	16.10	16.16	15.92					
10	84QAM	1	25	16.12	16.10	15.96	17.5	0			
10	84QAM	1	49	16.24	16.39	16.21					
10	84QAM	25	0	16.21	16.24	16.08					
10	84QAM	25	12	16.17	16.26	16.14					
10	84QAM	25	25	16.05	16.09	16.23	17.5	0			
10	84QAM	50	0	15.99	16.19	16.01					
Channel				20775	21100	21425	Tune-up limit (dbm)				
Frequency (MHz)				2502.5	2535	2567.5	MPR (db)				
5	QPSK	1	0	16.22	16.30	16.28	17.5	0			
5	QPSK	1	12	16.08	16.13	16.23					
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					
5	16QAM	12	13	16.28	16.35	16.20	17.5	0			
5	16QAM	25	0	15.94	16.18	16.17					
5	84QAM	1	0	15.95	16.25	16.07					
5	84QAM	1	12	16.05	16.12	15.93	17.5	0			
5	84QAM	1	24	16.16	16.32	16.25					
5	84QAM	12	0	16.12	16.22	16.13					
5	84QAM	12	7	16.24	16.19	16.22					
5	84QAM	12	13	15.98	16.21	16.24	17.5	0			
5	84QAM	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)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	20.85	20.91	20.87	22	0			
20	QPSK	1	49	20.59	20.71	20.65					
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	20.61	20.66					
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	20.48	20.70	20.56					
20	16QAM	50	50	20.59	20.79	20.45	22	0			
20	16QAM	100	0	20.79	20.85	20.81					
20	84QAM	1	0	20.60	20.79	20.52					
20	84QAM	1	49	20.46	20.85	20.56					
20	84QAM	1	99	20.62	20.75	20.64	21	1			
20	84QAM	50	0	19.67	19.77	19.82					
20	84QAM	50	24	19.75	19.64	19.64					
20	84QAM	50	50	19.79	19.79	19.84					
20	84QAM	100	0	19.77	19.84	19.73	Tune-up limit (dBm)				
Channel								MPR (dB)			
Frequency (MHz)											
15	QPSK	1	0	20.80	20.82	20.73	22	0			
15	QPSK	1	37	20.47	20.56	20.56					
15	QPSK	1	74	20.37	20.65	20.51					
15	QPSK	36	0	20.77	20.75	20.61					
15	QPSK	36	20	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	22	0			
15	16QAM	1	37	20.36	20.56	20.48					
15	16QAM	1	74	20.38	20.51	20.58					
15	16QAM	36	0	20.50	20.57	20.64					
15	16QAM	36	20	20.51	20.54	20.40	22	0			
15	16QAM	36	39	20.61	20.73	20.38					
15	16QAM	75	0	20.45	20.78	20.47					
15	84QAM	1	0	20.52	20.63	20.53	22	0			
15	84QAM	1	37	20.40	20.87	20.58					
15	84QAM	1	74	20.43	20.70	20.60					
15	84QAM	36	0	19.78	19.75	19.74					
15	84QAM	36	20	19.67	19.72	19.86	21	1			
15	84QAM	36	39	19.84	19.78	19.73					
15	84QAM	36	75	19.81	19.78	19.61					
Channel										MPR (dB)	
Frequency (MHz)											
10	QPSK	1	0	20.76	20.85	20.75	22	0			
10	QPSK	1	25	20.51	20.64	20.68					
10	QPSK	1	49	20.51	20.61	20.72					
10	QPSK	25	0	20.73	20.87	20.69					
10	QPSK	25	12	20.42	20.75	20.59	22	0			
10	QPSK	25	25	20.45	20.43	20.67					
10	QPSK	50	0	20.76	20.85	20.65					
10	16QAM	1	0	20.61	20.78	20.43	22	0			
10	16QAM	1	25	20.49	20.71	20.37					
10	16QAM	1	49	20.56	20.61	20.55					
10	16QAM	25	0	20.44	20.58	20.61					
10	16QAM	25	12	20.47	20.74	20.48	22	0			
10	16QAM	25	25	20.55	20.48	20.37					
10	16QAM	50	0	20.49	20.69	20.46					
10	64QAM	1	0	20.50	20.78	20.52	22	0			
10	64QAM	1	25	20.42	20.83	20.45					
10	64QAM	1	49	20.61	20.62	20.58					
10	64QAM	25	0	19.58	19.81	19.82					
10	64QAM	25	12	19.72	19.82	19.75	21	1			
10	64QAM	25	25	19.60	19.82	19.75					
10	64QAM	50	0	19.80	19.88	19.70					
Channel										MPR (dB)	
Frequency (MHz)											
5	QPSK	1	0	20.85	20.82	20.72	22	0			
5	QPSK	1	12	20.55	20.56	20.69					
5	QPSK	1	24	20.36	20.69	20.58					
5	QPSK	12	0	20.70	20.71	20.65					
5	QPSK	12	7	20.81	20.68	20.67	22	0			
5	QPSK	12	13	20.48	20.57	20.67					
5	QPSK	25	0	20.73	20.81	20.80					
5	16QAM	1	0	20.45	20.67	20.50	22	0			
5	16QAM	1	12	20.39	20.51	20.50					
5	16QAM	1	24	20.48	20.62	20.63					
5	16QAM	12	0	20.33	20.76	20.60					
5	16QAM	12	7	20.40	20.58	20.37	22	0			
5	16QAM	12	13	20.45	20.79	20.35					
5	16QAM	25	0	20.64	20.67	20.49					
5	64QAM	1	0	20.60	20.82	20.35	22	0			
5	64QAM	1	12	20.59	20.80	20.59					
5	64QAM	1	24	20.49	20.73	20.60					
5	64QAM	12	0	19.73	19.76	19.64					
5	64QAM	12	7	19.72	19.66	19.63	21	1			
5	64QAM	12	13	19.68	19.77	19.77					
5	64QAM	25	0	19.64	19.72	19.70					
Channel										MPR (dB)	
Frequency (MHz)											
3	QPSK	1	0	20.73	20.89	20.82	22	0			
3	QPSK	1	8	20.60	20.69	20.66					
3	QPSK	1	14	20.51	20.65	20.65					
3	QPSK	8	0	20.64	20.83	20.70					
3	QPSK	8	7	20.48	20.77	20.61	22	0			
3	QPSK	8	7	20.46	20.44	20.66					
3	QPSK	15	0	20.67	20.72	20.62					
3	16QAM	1	0	20.60	20.67	20.48	22	0			
3	16QAM	1	8	20.30	20.63	20.46					
3	16QAM	1	14	20.43	20.60	20.51					
3	16QAM	8	0	20.42	20.64	20.54					
3	16QAM	8	7	20.42	20.65	20.47	22	0			
3	16QAM	8	7	20.49	20.61	20.30					
3	16QAM	15	0	20.54	20.74	20.38					
3	64QAM	1	0	20.64	20.81	20.54	22	0			
3	64QAM	1	8	20.43	20.84	20.49					
3	64QAM	1	14	20.62	20.64	20.67					
3	64QAM	8	0	19.67	19.89	19.72					
3	64QAM	8	7	19.71	19.72	19.71	21	1			
3	64QAM	8	7	19.76	19.90	19.65					
3	64QAM	15	0	19.74	19.85	19.70					
Channel										MPR (dB)	
Frequency (MHz)											
1.4	QPSK	1	0	20.88	20.90	20.82	22	0			
1.4	QPSK	1	3	20.52	20.64	20.50					
1.4	QPSK	1	5	20.54	20.64	20.68					
1.4	QPSK	3	0	20.79	20.77	20.79					
1.4	QPSK	3	1	20.53	20.61	20.38	22	0			
1.4	QPSK	3	3	20.57	20.49	20.57					
1.4	16QAM	6	0	20.66	20.68	20.84					
1.4	16QAM	1	0	20.55	20.71	20.38	22	0			
1.4	16QAM	1	3	20.34	20.51	20.58					
1.4	16QAM	1	5	20.59	20.62	20.58					
1.4	16QAM	3	0	20.35	20.69	20.67					
1.4	16QAM	3	1	20.29	20.62	20.31	22	0			
1.4	16QAM	3	3	20.45	20.74	20.35					
1.4	64QAM	6	0	20.43	20.81	20.40					
1.4	64QAM	1	0	20.41	20.84	20.54	22	0			
1.4	64QAM	1	3	20.44	20.78	20.57					
1.4	64QAM	1	5	20.66	20.60	20.49					
1.4	64QAM	3	0	20.53	20.74	20.43					
1.4	64QAM	3	1	20.34	20.66	20.38	22	0			
1.4	64QAM	3	3	20.49	20.61	20.72					
1.4	64QAM	6	0	19.42	19.67	19.54					

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)				1860	1880	1900					
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	20.72	20.96	20.80					
20	QPSK	50	50	20.70	20.76	20.76					
20	QPSK	100	0	20.61	20.75	20.71	22	1			
20	16QAM	1	0	20.68	20.75	20.54					
20	16QAM	1	49	20.60	20.59	20.51					
20	16QAM	1	99	20.62	20.74	20.45	21	2			
20	16QAM	50	0	19.87	20.01	19.82					
20	16QAM	50	24	19.81	19.94	19.73					
20	16QAM	50	50	19.77	19.87	19.75	21	2			
20	16QAM	100	0	19.68	19.83	19.70					
20	64QAM	1	0	19.74	19.96	19.87					
20	64QAM	1	49	19.73	19.90	19.78	20	3			
20	64QAM	1	99	19.82	19.83	19.73					
20	64QAM	50	0	18.91	18.84	18.67					
20	64QAM	50	24	18.85	18.88	18.76	21	2			
20	64QAM	50	50	18.76	18.78	18.81					
20	64QAM	100	0	18.71	18.80	18.77					
Channel											
Frequency (MHz)				1867.5	18900	19125	Tune-up limit (dBm)	MPR (dB)			
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	20.77	20.80	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	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	21	2			
15	16QAM	36	0	19.83	19.97	19.64					
15	16QAM	36	20	19.62	19.79	19.66					
15	16QAM	36	39	19.50	19.57	19.76	21	2			
15	16QAM	75	0	19.52	19.66	19.49					
15	64QAM	1	0	19.68	19.83	19.68					
15	64QAM	1	37	19.74	19.86	19.64	20	3			
15	64QAM	1	74	19.63	19.81	19.59					
15	64QAM	36	0	18.90	18.87	18.68					
15	64QAM	36	20	18.61	18.74	18.74	21	2			
15	64QAM	36	39	18.57	18.81	18.67					
15	64QAM	75	0	18.51	18.81	18.67					
Channel											
Frequency (MHz)				18650	18800	19150	Tune-up limit (dBm)	MPR (dB)			
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	20.89	20.67					
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	21	2			
10	16QAM	25	0	19.69	19.91	19.72					
10	16QAM	25	12	19.49	19.91	19.67					
10	16QAM	25	25	19.64	19.73	19.59	21	2			
10	16QAM	50	0	19.54	19.61	19.80					
10	64QAM	1	0	19.70	19.82	19.72					
10	64QAM	1	25	19.58	19.70	19.80	21	2			
10	64QAM	1	49	19.79	19.74	19.68					
10	64QAM	25	0	18.89	18.75	18.48					
10	64QAM	25	12	18.43	18.87	18.66	20	3			
10	64QAM	25	25	18.59	18.66	18.73					
10	64QAM	50	0	18.62	18.64	18.77					
Channel											
Frequency (MHz)				18625	18800	19175	Tune-up limit (dBm)	MPR (dB)			
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	21.67	21.77					
5	QPSK	12	0	20.59	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	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	21	2			
5	16QAM	12	0	19.66	19.88	19.70					
5	16QAM	12	7	19.66	19.90	19.51					
5	16QAM	12	13	19.52	19.63	19.63	21	2			
5	16QAM	25	0	19.56	19.69	19.63					
5	64QAM	1	0	19.54	19.76	19.85					
5	64QAM	1	12	19.74	19.72	19.61	21	2			
5	64QAM	1	24	19.84	19.85	19.69					
5	64QAM	12	0	18.88	18.79	18.49					
5	64QAM	12	7	18.46	18.87	18.63	20	3			
5	64QAM	12	13	18.58	18.62	18.76					
5	64QAM	25	0	18.52	18.58	18.71					
Channel											
Frequency (MHz)				1851.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)			
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	22	1			
3	16QAM	1	0	20.60	20.55	20.52					
3	16QAM	1	6	20.41	20.40	20.52					
3	16QAM	1	14	20.54	20.74	20.32	21	2			
3	16QAM	8	0	19.76	19.96	19.82					
3	16QAM	8	4	19.56	19.74	19.55	21	2			
3	16QAM	8	7	19.68	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	19.65	19.69	19.61					
3	64QAM	8	0	18.84	18.69	19.69	20	3			
3	64QAM	8	4	18.54	18.74	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)				18607	18800	19193	Tune-up limit (dBm)	MPR (dB)			
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	6	21.71	21.82	21.67					
1.4	QPSK	3	0	21.76	21.76	21.78	22	1			
1.4	QPSK	3	1	21.81	21.82	21.88					
1.4	QPSK	3	2	21.72	21.66	21.59					
1.4	QPSK	6	0	20.272	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	22	1			
1.4	16QAM	3	0	20.51	20.70	20.54					
1.4	16QAM	3	1	20.39	20.49	20.39					
1.4	16QAM	3	3	20.57	20.68	20.43	21	2			
1.4	16QAM	6	0	19.72	19.94	19.68					
1.4	64QAM	1	0	19.64	19.87	19.63					
1.4	64QAM	1	3	19.54	19.61	19.74	21	2			
1.4	64QAM	1	6	19.65	19.77	19.50					
1.4	64QAM	3	0	19.57	19.78	19.74					
1.4	64QAM	3	1	19.69	19.89	19.56					
1.4	64QAM	3	3	19.62	19.83	19.65	20	3			
1.4	64QAM	6	0	18.93	18.70	18.63					

Band 2 Ant4 NSA ECI4													
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													
Frequency (MHz)							1860	1880	1900				
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	22.16	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	22						
20	16QAM	100	0	21.05	21.21	21.03							
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			21	3			
20	64QAM	50	24	20.06	20.13	20.15							
20	64QAM	50	50	20.11	20.17	20.00							
20	64QAM	100	0	20.04	20.10	20.01							
Channel							18675	18900	19125		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)							1867.5	1880	1902.5				
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	22.19	21.75	23						
15	QPSK	36	36	21.82	21.96	22.08							
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	22						
15	16QAM	36	36	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			21	3			
15	64QAM	36	0	19.96	20.08	19.84					21		
15	64QAM	36	20	19.81	19.98	19.86							
15	64QAM	36	36	19.77	20.07	19.99							
15	64QAM	75	0	19.78	20.03	19.81							
Channel							18650	18900	19175		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)							1855	1880	1905				
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			23	1			
10	QPSK	25	0	21.91	22.22	22.06					23		
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	23		1				
10	16QAM	1	0	21.78	21.90	21.69							
10	16QAM	1	25	21.62	21.90	21.67							
10	16QAM	1	49	21.58	21.84	21.75	22		2				
10	16QAM	25	0	20.96	21.16	20.99				22			
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	22			2			
10	64QAM	1	0	20.88	20.98	20.98							
10	64QAM	1	25	20.80	21.06	20.95							
10	64QAM	1	49	20.83	20.81	20.78			21	3			
10	64QAM	25	0	20.04	20.15	19.80	21						
10	64QAM	25	12	20.00	19.88	19.95							
10	64QAM	25	25	20.02	20.04	19.93							
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	22.71	22.99	23.10	24	0					
5	QPSK	1	12	22.85	23.01	22.75			23	1			
5	QPSK	1	24	22.74	22.92	22.70							
5	QPSK	12	0	22.63	22.87	22.63							
5	QPSK	12	7	21.69	22.09	21.90	23	1					
5	QPSK	12	13	21.91	22.00	22.03							
5	QPSK	25	0	21.73	22.01	21.88			23	1			
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	20.99			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	22	2					
5	64QAM	1	0	20.77	20.90	21.00							
5	64QAM	1	12	20.78	20.95	20.89							
5	64QAM	1	24	20.90	20.88	20.79			21	3			
5	64QAM	12	0	20.08	20.05	19.78	21						
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							18615	18900	19185		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)							1851.5	1880	1906.5				
3	QPSK	1	0	22.88	22.98	22.99	24	0					
3	QPSK	1	8	22.95	23.00	22.71			23	1			
3	QPSK	1	14	22.84	22.86	22.88							
3	QPSK	8	0	21.81	22.03	21.90							
3	QPSK	8	4	21.86	22.17	21.79	23	1					
3	QPSK	8	7	21.95	22.07	22.04							
3	QPSK	15	0	21.83	22.03	21.88			23	1			
3	16QAM	1	0	21.83	21.91	21.66							
3	16QAM	1	8	21.71	21.73	21.72							
3	16QAM	1	14	21.65	21.77	21.63	22	2					
3	16QAM	8	0	21.09	21.10	20.95							
3	16QAM	8	4	20.90	21.02	20.80							
3	16QAM	8	7	20.73	20.95	20.94			22	2			
3	16QAM	15	0	20.82	20.95	20.77	22						
3	64QAM	1	0	20.87	21.04	20.83							
3	64QAM	1	8	20.63	20.97	20.90							
3	64QAM	1	14	20.84	20.91	20.71	21	3					
3	64QAM	8	0	20.05	20.11	19.84							
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							18607	18900	19193		Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)							1850.7	1880	1909.3				
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	22.84	22.76			23	1			
1.4	QPSK	3	0	22.87	23.04	22.94					24		
1.4	QPSK	3	1	22.96	22.93	22.94							
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	21.82							
1.4	16QAM	1	3	21.83	21.88	21.69			23	1			
1.4	16QAM	1	5	21.66	21.74	21.72							
1.4	16QAM	3	0	21.80	21.87	21.70	22	2					
1.4	16QAM	3	1	21.79	21.85	21.59					22		
1.4	16QAM	3	3	21.65	21.85	20.70							
1.4	64QAM	1	0	21.02	21.16	20.85	22		2				
1.4	64QAM	1	3	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	21.01	20.94							
1.4	64QAM	3	3	20.88	20.97	20.95							
1.4	64QAM	6	0	19.84	19.86	19.74							

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				20800	21100	21500			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	22.79	22.93	22.80	24	0	
20	QPSK	1	49	22.56	22.86	22.64			
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			
20	16QAM	50	50	20.64	20.89	20.54	22	2	
20	16QAM	100	0	20.72	20.89	20.72			
20	84QAM	1	0	20.81	20.74	20.63			
20	84QAM	1	49	20.46	20.84	20.52			
20	84QAM	1	99	20.42	20.63	20.61	22	2	
20	84QAM	50	0	19.71	19.88	19.84			
20	84QAM	50	24	19.75	19.84	19.71			
20	84QAM	50	50	19.68	19.96	19.81			
20	84QAM	100	0	19.75	19.82	19.73	21	3	
Channel				20825 <th>21100</th> <th>21375</th>	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	22.81	22.85	22.90	24	0	
15	QPSK	1	37	22.53	22.85	22.55			
15	QPSK	1	74	22.66	22.68	22.66			
15	QPSK	36	0	21.88	21.84	21.78			
15	QPSK	36	20	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	20	20.72	20.77	20.83			
15	16QAM	36	39	20.88	20.82	20.95	22	2	
15	16QAM	75	0	20.58	20.85	20.74			
15	84QAM	1	0	20.78	20.85	20.64			
15	84QAM	1	37	20.50	20.63	20.54			
15	84QAM	1	74	20.54	20.67	20.66	22	2	
15	84QAM	36	0	19.72	19.83	19.68			
15	84QAM	36	20	19.75	19.87	19.84			
15	84QAM	36	39	19.87	19.89	19.77			
15	84QAM	75	0	19.77	19.92	19.84	21	3	
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	22.81	22.87	22.76	24	0	
10	QPSK	1	25	22.74	22.68	22.64			
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	21.76	21.76	23	1	
10	QPSK	25	25	21.71	21.84	21.80			
10	QPSK	50	0	21.53	21.83	21.78			
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			
10	16QAM	25	25	20.74	20.87	20.64	22	2	
10	16QAM	50	0	20.75	20.92	20.62			
10	84QAM	1	0	20.85	20.77	20.67			
10	84QAM	1	25	20.64	20.65	20.64			
10	84QAM	1	49	20.46	20.66	20.61	22	2	
10	84QAM	25	0	19.59	19.83	19.85			
10	84QAM	25	12	19.69	19.75	19.72			
10	84QAM	25	25	19.74	19.81	19.92			
10	84QAM	50	0	19.62	19.92	19.69	21	3	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	22.62	22.78	22.84	24	0	
5	QPSK	1	12	22.67	22.70	22.67			
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			
5	16QAM	12	13	20.75	20.86	20.57	22	2	
5	16QAM	25	0	20.65	20.80	20.57			
5	84QAM	1	0	20.89	20.75	20.50			
5	84QAM	1	12	20.50	20.61	20.69			
5	84QAM	1	24	20.50	20.70	20.62	22	2	
5	84QAM	12	0	19.82	19.76	19.73			
5	84QAM	12	7	19.58	19.67	19.77			
5	84QAM	12	13	19.80	19.72	19.79			
5	84QAM	25	0	19.71	19.87	19.80	21	3	

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												
Frequency (MHz)												
20	QPSK	1	0	22.86	22.88	22.70	24	0				
20	QPSK	1	49	22.69	22.79	22.65						
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						
20	16QAM	50	50	20.70	20.75	20.67	22	2				
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						
20	64QAM	1	99	20.42	20.64	20.56	22	2				
20	64QAM	50	0	19.67	19.77	19.82						
20	64QAM	50	24	19.75	19.64	19.64						
20	64QAM	50	50	19.79	19.79	19.84						
20	64QAM	100	0	19.77	19.84	19.73	21	3				
Channel												
Frequency (MHz)												
15	QPSK	1	0	22.59	22.77	22.68	24	0				
15	QPSK	1	37	22.48	22.73	22.58						
15	QPSK	1	74	22.61	22.79	22.52						
15	QPSK	36	0	21.91	21.86	21.84						
15	QPSK	36	20	21.73	21.71	21.60	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	20.64	20.91	20.71						
15	16QAM	36	39	20.62	20.97	20.61	22	2				
15	16QAM	75	0	20.70	20.70	20.50						
15	64QAM	1	0	20.82	20.70	20.44						
15	64QAM	1	37	20.37	20.59	20.63						
15	64QAM	1	74	20.42	20.65	20.46	22	2				
15	64QAM	36	0	19.78	19.75	19.74						
15	64QAM	36	20	19.67	19.72	19.86						
15	64QAM	36	39	19.64	19.78	19.78						
15	64QAM	36	50	19.61	19.78	19.61	21	3				
Channel												
Frequency (MHz)												
10	QPSK	1	0	22.73	22.71	22.70	24	0				
10	QPSK	1	25	22.62	22.66	22.67						
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	21.68	23	1				
10	QPSK	25	25	21.63	21.81	21.70						
10	QPSK	50	0	21.72	21.83	21.57						
10	16QAM	1	0	21.67	21.69	21.71						
10	16QAM	1	25	21.64	21.64	21.68	23	1				
10	16QAM	1	49	21.50	21.73	21.63						
10	16QAM	25	0	20.65	20.97	20.76						
10	16QAM	25	12	20.66	20.84	20.62						
10	16QAM	25	25	20.76	20.95	20.75	22	2				
10	16QAM	50	0	20.57	20.70	20.74						
10	64QAM	1	0	20.76	20.64	20.48						
10	64QAM	1	25	20.58	20.68	20.46						
10	64QAM	1	49	20.57	20.57	20.73	22	2				
10	64QAM	25	0	19.58	19.81	19.82						
10	64QAM	25	12	19.72	19.82	19.75						
10	64QAM	25	25	19.65	19.82	19.75						
10	64QAM	50	0	19.80	19.88	19.70	21	3				
Channel												
Frequency (MHz)												
5	QPSK	1	0	22.74	22.80	22.72	24	0				
5	QPSK	1	12	22.64	22.69	22.60						
5	QPSK	1	24	22.54	22.62	22.45						
5	QPSK	12	0	21.79	21.83	21.88						
5	QPSK	12	7	21.75	21.86	21.86	23	1				
5	QPSK	12	13	21.77	21.80	21.74						
5	QPSK	25	0	21.52	21.76	21.62						
5	16QAM	1	0	21.86	21.87	21.76						
5	16QAM	1	12	21.60	21.68	21.65	23	1				
5	16QAM	1	24	21.43	21.69	21.68						
5	16QAM	12	0	20.66	20.76	20.93						
5	16QAM	12	7	20.66	20.77	20.73						
5	16QAM	12	13	20.65	20.96	20.63	22	2				
5	16QAM	25	0	20.70	20.88	20.69						
5	64QAM	1	0	20.65	20.70	20.56						
5	64QAM	1	12	20.45	20.57	20.68						
5	64QAM	1	24	20.40	20.53	20.62	22	2				
5	64QAM	12	0	19.73	19.78	19.64						
5	64QAM	12	7	19.72	19.66	19.63						
5	64QAM	12	13	19.68	19.68	19.73						
5	64QAM	25	0	19.64	19.72	19.80	21	3				
Channel												
Frequency (MHz)												
3	QPSK	1	0	22.76	22.81	22.83	24	0				
3	QPSK	1	8	22.70	22.70	22.56						
3	QPSK	1	14	22.53	22.72	22.67						
3	QPSK	8	0	21.74	21.98	21.85						
3	QPSK	8	4	21.71	21.87	21.76	23	1				
3	QPSK	8	7	21.80	21.68	21.78						
3	QPSK	15	0	21.58	21.78	21.61						
3	16QAM	1	0	21.71	21.84	21.64						
3	16QAM	1	8	21.74	21.78	21.53	23	1				
3	16QAM	1	14	21.47	21.67	21.53						
3	16QAM	8	0	20.77	20.99	20.95						
3	16QAM	8	4	20.56	20.84	20.75						
3	16QAM	8	7	20.57	20.81	20.73	22	2				
3	16QAM	15	0	20.57	20.71	20.55						
3	64QAM	1	0	20.65	20.65	20.44						
3	64QAM	1	8	20.37	20.59	20.61						
3	64QAM	1	14	20.41	20.54	20.64	22	2				
3	64QAM	8	0	19.67	19.89	19.72						
3	64QAM	8	4	19.71	19.76	19.75						
3	64QAM	8	7	19.76	19.90	19.95						
3	64QAM	15	0	19.74	19.85	19.70	21	3				
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	22.39	22.84	22.68	24	0				
1.4	QPSK	1	3	22.54	22.71	22.53						
1.4	QPSK	1	5	22.48	22.63	22.42						
1.4	QPSK	3	0	22.56	22.75	22.70						
1.4	QPSK	3	1	22.41	22.54	22.43	23	1				
1.4	QPSK	3	3	22.30	22.49	22.42						
1.4	QPSK	6	0	21.40	21.62	21.73						
1.4	16QAM	1	0	21.62	21.86	21.64						
1.4	16QAM	1	3	21.62	21.76	21.58	23	1				
1.4	16QAM	1	5	21.67	21.64	21.63						
1.4	16QAM	3	0	21.36	21.59	21.67						
1.4	16QAM	3	1	21.34	21.64	21.50						
1.4	16QAM	3	3	21.54	21.55	21.64	22	2				
1.4	64QAM	1	0	20.68	20.62	20.44						
1.4	64QAM	1	3	20.37	20.66	20.57						
1.4	64QAM	1	5	20.40	20.42	20.47						
1.4	64QAM	3	0	20.57	20.68	20.40	22	2				
1.4	64QAM	3	1	20.58	20.61	20.44						
1.4	64QAM	3	3	20.38	20.54	20.53						
1.4	64QAM	6	0	19.42	19.67	19.54						
1.4	64QAM	6	0	19.42	19.67	19.54	21	3				

ECI6 Power

Band 2 Ant0 NSA ECI6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 19700	Power Middle Ch./Freq. 19800	Power High Ch./Freq. 19900	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.90	15.01	14.96	16	0		
20	QPSK	1	49	14.80	14.74	14.79				
20	QPSK	1	99	14.74	14.97	14.67				
20	QPSK	50	0	14.92	14.96	14.85				
20	QPSK	50	24	14.79	14.81	14.81	16	0		
20	QPSK	50	50	14.85	14.75	14.79				
20	QPSK	100	0	14.88	14.92	14.83				
20	16QAM	1	0	14.73	14.87	14.63				
20	16QAM	1	49	14.88	14.80	14.61	16	0		
20	16QAM	1	99	14.73	14.75	14.83				
20	16QAM	50	0	14.94	14.97	14.75				
20	16QAM	50	24	14.91	14.76	14.73				
20	16QAM	50	50	14.79	14.94	14.81	16	0		
20	16QAM	100	0	14.73	14.84	14.76				
20	64QAM	1	0	14.81	14.77	14.77				
20	64QAM	1	49	14.88	14.93	14.73				
20	64QAM	1	99	14.87	14.81	14.70	16	0		
20	64QAM	50	0	14.87	14.78	14.71				
20	64QAM	50	24	14.80	14.88	14.66				
20	64QAM	50	50	14.88	14.91	14.67				
20	64QAM	100	0	14.79	14.80	14.71				
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.76	14.94	14.97	16	0		
15	QPSK	1	37	14.63	14.57	14.83				
15	QPSK	1	74	14.71	14.87	14.53				
15	QPSK	36	0	14.90	14.82	14.80				
15	QPSK	36	20	14.81	14.86	14.70	16	0		
15	QPSK	36	39	14.73	14.79	14.81				
15	QPSK	75	0	14.81	14.89	14.87				
15	16QAM	1	0	14.79	14.85	14.50				
15	16QAM	1	37	14.87	14.81	14.85	16	0		
15	16QAM	1	74	14.57	14.59	14.75				
15	16QAM	36	0	14.77	14.96	14.65				
15	16QAM	36	20	14.82	14.77	14.76				
15	16QAM	36	39	14.63	14.87	14.81	16	0		
15	16QAM	75	0	14.67	14.66	14.67				
15	64QAM	1	0	14.68	14.62	14.79				
15	64QAM	1	37	14.93	14.76	14.67				
15	64QAM	1	74	14.78	14.76	14.70	16	0		
15	64QAM	36	0	14.88	14.82	14.70				
15	64QAM	36	20	14.90	14.87	14.68				
15	64QAM	36	39	14.83	14.84	14.72				
15	64QAM	75	0	14.82	14.65	14.55				
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.78	14.94	14.83	16	0		
10	QPSK	1	25	14.72	14.68	14.68				
10	QPSK	1	49	14.58	14.67	14.50				
10	QPSK	25	0	14.91	14.92	14.67				
10	QPSK	25	12	14.71	14.69	14.71	16	0		
10	QPSK	25	25	14.82	14.60	14.78				
10	QPSK	50	0	14.82	14.87	14.75				
10	16QAM	1	0	14.73	14.83	14.55				
10	16QAM	1	25	14.77	14.66	14.64	16	0		
10	16QAM	1	49	14.75	14.59	14.80				
10	16QAM	25	0	14.85	14.90	14.81				
10	16QAM	25	12	14.97	14.61	14.69				
10	16QAM	25	25	14.77	14.86	14.76	16	0		
10	16QAM	50	0	14.75	14.70	14.81				
10	64QAM	1	0	14.72	14.71	14.82				
10	64QAM	1	25	14.79	14.78	14.77				
10	64QAM	1	49	14.91	14.75	14.55	16	0		
10	64QAM	25	0	14.70	14.63	14.57				
10	64QAM	25	12	14.86	14.88	14.60				
10	64QAM	25	25	14.77	14.93	14.72				
10	64QAM	50	0	14.64	14.72	14.58				
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.81	14.92	14.97	16	0		
5	QPSK	1	12	14.71	14.65	14.63				
5	QPSK	1	24	14.71	14.87	14.52				
5	QPSK	12	0	14.94	14.97	14.79				
5	QPSK	12	7	14.81	14.70	14.87	16	0		
5	QPSK	12	13	14.89	14.81	14.73				
5	QPSK	25	0	14.90	14.81	14.73				
5	16QAM	1	0	14.56	14.84	14.58				
5	16QAM	1	12	14.80	14.72	14.54	16	0		
5	16QAM	1	24	14.56	14.61	14.60				
5	16QAM	12	0	14.78	14.81	14.79				
5	16QAM	12	7	14.78	14.70	14.73				
5	16QAM	12	13	14.68	14.95	14.83	16	0		
5	16QAM	25	0	14.68	14.71	14.71				
5	64QAM	1	0	14.80	14.87	14.74				
5	64QAM	1	12	14.77	14.97	14.75				
5	64QAM	1	24	14.56	14.79	14.58	16	0		
5	64QAM	12	0	14.83	14.78	14.60				
5	64QAM	12	7	14.80	14.91	14.61				
5	64QAM	12	13	14.73	14.73	14.64				
5	64QAM	25	0	14.62	14.86	14.57				
Channel										
Frequency (MHz)										
3	QPSK	1	0	14.80	14.88	14.94	16	0		
3	QPSK	1	8	14.70	14.65	14.84				
3	QPSK	1	14	14.64	14.92	14.61				
3	QPSK	8	0	14.94	14.98	14.79				
3	QPSK	8	4	14.81	14.87	14.72	16	0		
3	QPSK	8	7	14.87	14.57	14.72				
3	QPSK	15	0	14.72	14.80	14.89				
3	16QAM	1	0	14.57	14.81	14.68				
3	16QAM	1	8	14.74	14.84	14.60	16	0		
3	16QAM	1	14	14.65	14.69	14.86				
3	16QAM	8	0	14.80	14.85	14.66				
3	16QAM	8	4	14.79	14.63	14.60				
3	16QAM	8	7	14.77	14.97	14.81	16	0		
3	16QAM	15	0	14.64	14.76	14.70				
3	64QAM	1	0	14.71	14.67	14.71				
3	64QAM	1	8	14.82	14.82	14.64				
3	64QAM	1	14	14.73	14.75	14.58	16	0		
3	64QAM	8	0	14.79	14.70	14.67				
3	64QAM	8	4	14.93	14.73	14.50				
3	64QAM	8	7	14.75	14.74	14.54				
3	64QAM	15	0	14.65	14.66	14.72				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	14.84	14.90	14.97	16	0		
1.4	QPSK	1	3	14.68	14.73	14.84				
1.4	QPSK	1	5	14.76	14.87	14.66				
1.4	QPSK	3	0	14.91	14.96	14.68				
1.4	QPSK	3	1	14.82	14.87	14.68	16	0		
1.4	QPSK	3	3	14.87	14.67	14.68				
1.4	QPSK	6	0	14.78	14.87	14.87				
1.4	16QAM	1	0	14.69	14.82	14.62				
1.4	16QAM	1	3	14.77	14.67	14.66	16	0		
1.4	16QAM	1	5	14.71	14.80	14.68				
1.4	16QAM	3	0	14.90	14.90	14.76				
1.4	16QAM	3	1	14.89	14.73	14.68				
1.4	16QAM	3	3	14.85	14.94	14.70	16	0		
1.4	16QAM	6	0	14.55	14.89	14.66				
1.4	64QAM	1	0	14.64	14.81	14.68				
1.4	64QAM	1	3	14.81	14.92	14.56				
1.4	64QAM	1	5	14.73	14.86	14.60	16	0		
1.4	64QAM	3	0	14.82	14.86	14.72				
1.4	64QAM	3	1	14.80	14.77	14.64				
1.4	64QAM	3	3	14.91	14.81	14.49				
1.4	64QAM	6	0	14.62	14.70	14.68	16	0		

Band 2 Ant4 NSA ECI6										
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				18700	18900	19100				
Frequency (MHz)				1860	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	20.48	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				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	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	20.42	20.35				
15	QPSK	36	36	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	20.36				
15	16QAM	36	36	20.34	20.43	20.50	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	19.86	19.66	21	0.5		
15	64QAM	36	36	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)				1855	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	20.38	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	19.95	21	0.5		
10	64QAM	25	25	20.02	20.04	19.93				
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	20.50				
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	19.89	20.04	19.95				
5	64QAM	25	0	19.82	19.99	19.93				
Channel				18615	18900	19165	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)				1851.5	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	20.46	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	20.50				
1.4	16QAM	1	5	20.43	20.42	20.51	21.5	0		
1.4	16QAM	3	0	20.31	20.46	20.44				
1.4	16QAM	3	1	20.36	20.57	20.51				
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	20.51	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 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				250.5	253.5	256.5			
Frequency (MHz)									
20	QPSK	1	0	18.88	18.92	18.87	20	0	
20	QPSK	1	49	18.65	18.81	18.56			
20	QPSK	1	99	18.56	18.68	18.68			
20	QPSK	50	0	18.75	18.89	18.88			
20	QPSK	50	24	18.76	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	16QAM	50	50	18.75	18.90	18.67	20	0	
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	64QAM	1	99	18.65	18.84	18.56	20	0	
20	64QAM	50	0	18.70	18.74	18.73			
20	64QAM	50	24	18.77	18.91	18.63			
20	64QAM	50	50	18.77	18.89	18.75			
20	64QAM	100	0	18.59	18.90	18.56			
Channel				2082.5	2110.0	2137.5			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.78	18.83	18.80	20	0	
15	QPSK	1	37	18.51	18.83	18.61			
15	QPSK	1	74	18.51	18.59	18.51			
15	QPSK	36	0	18.63	18.81	18.80			
15	QPSK	36	20	18.79	18.90	18.58	20	0	
15	QPSK	36	39	18.51	18.84	18.79			
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	18.90	18.74			
15	16QAM	36	39	18.62	18.86	18.52	20	0	
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			
15	64QAM	1	74	18.51	18.85	18.56	20	0	
15	64QAM	36	0	18.73	18.61	18.62			
15	64QAM	36	20	18.72	18.82	18.53			
15	64QAM	36	39	18.67	18.71	18.68			
15	64QAM	75	0	18.53	18.72	18.47			
Channel				2080.0	2110.0	2140.0			
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.91	18.89	18.81	20	0	
10	QPSK	1	25	18.66	18.63	18.45			
10	QPSK	1	49	18.58	18.57	18.55			
10	QPSK	25	0	18.74	18.62	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			
10	16QAM	25	25	18.56	18.86	18.59	20	0	
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			
10	64QAM	1	49	18.59	18.81	18.52	20	0	
10	64QAM	25	0	18.66	18.73	18.65			
10	64QAM	25	12	18.70	18.79	18.56			
10	64QAM	25	25	18.78	18.70	18.74			
10	64QAM	50	0	18.46	18.87	18.47			
Channel				2077.5	2110.0	2142.5			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.70	18.90	18.73	20	0	
5	QPSK	1	12	18.62	18.81	18.55			
5	QPSK	1	24	18.45	18.72	18.65			
5	QPSK	12	0	18.60	18.86	18.92			
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			
5	16QAM	12	7	18.62	18.63	18.59			
5	16QAM	12	13	18.63	18.74	18.52	20	0	
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			
5	64QAM	1	24	18.49	18.72	18.58	20	0	
5	64QAM	12	0	18.52	18.77	18.65			
5	64QAM	12	7	18.60	18.67	18.65			
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							Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				132072	132322	132572			
20	QPSK	1	0	22.86	22.88	22.70	24	0	
20	QPSK	1	49	22.69	22.79	22.65			
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			
20	16QAM	50	50	20.70	20.75	20.67	22	2	
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			
20	64QAM	1	99	20.42	20.64	20.56	21	3	
20	64QAM	50	0	19.67	19.77	19.82			
20	64QAM	50	24	19.75	19.64	19.84			
20	64QAM	50	50	19.79	19.79	19.84			
20	64QAM	100	0	19.77	19.84	19.73			
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	22.59	22.77	22.68	24	0	
15	QPSK	1	37	22.48	22.73	22.58			
15	QPSK	1	74	22.61	22.79	22.52			
15	QPSK	36	0	21.91	21.86	21.84			
15	QPSK	36	20	21.73	21.71	21.60	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	20.64	20.91	20.71			
15	16QAM	36	39	20.62	20.97	20.61	22	2	
15	16QAM	75	0	20.70	20.70	20.50			
15	64QAM	1	0	20.82	20.70	20.44			
15	64QAM	1	37	20.37	20.59	20.63			
15	64QAM	1	74	20.42	20.65	20.48	22	2	
15	64QAM	36	0	19.78	19.75	19.74			
15	64QAM	36	20	19.67	19.72	19.86			
15	64QAM	36	39	19.64	19.78	19.78			
15	64QAM	36	50	19.61	19.78	19.61			
Channel				132025	132322	132592			
Frequency (MHz)				1715.5	1745	1775	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	22.73	22.71	22.70	24	0	
10	QPSK	1	25	22.62	22.66	22.67			
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	21.68	23	1	
10	QPSK	25	25	21.63	21.81	21.70			
10	QPSK	50	0	21.72	21.83	21.57			
10	16QAM	1	0	21.67	21.69	21.71			
10	16QAM	1	25	21.64	21.64	21.68	23	1	
10	16QAM	1	49	21.50	21.73	21.63			
10	16QAM	25	0	20.65	20.97	20.76			
10	16QAM	25	12	20.66	20.84	20.62			
10	16QAM	25	25	20.76	20.95	20.67	22	2	
10	16QAM	50	0	20.57	20.70	20.74			
10	64QAM	1	0	20.76	20.64	20.48			
10	64QAM	1	25	20.58	20.68	20.60			
10	64QAM	1	49	20.57	20.57	20.73	22	2	
10	64QAM	25	0	19.58	19.81	19.82			
10	64QAM	25	12	19.72	19.82	19.75			
10	64QAM	25	25	19.65	19.82	19.75			
10	64QAM	50	0	19.80	19.88	19.70			
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.74	22.80	22.72	24	0	
5	QPSK	1	12	22.64	22.69	22.60			
5	QPSK	1	24	22.54	22.62	22.45			
5	QPSK	12	0	21.79	21.83	21.88			
5	QPSK	12	7	21.75	21.86	21.69	23	1	
5	QPSK	12	13	21.77	21.80	21.74			
5	QPSK	25	0	21.52	21.76	21.62			
5	16QAM	1	0	21.86	21.87	21.76			
5	16QAM	1	12	21.60	21.68	21.65	23	1	
5	16QAM	1	24	21.43	21.69	21.68			
5	16QAM	12	0	20.66	20.76	20.93			
5	16QAM	12	7	20.66	20.77	20.73			
5	16QAM	12	13	20.65	20.96	20.63	22	2	
5	16QAM	25	0	20.70	20.88	20.69			
5	64QAM	1	0	20.65	20.70	20.56			
5	64QAM	1	12	20.45	20.57	20.68			
5	64QAM	1	24	20.40	20.53	20.62	22	2	
5	64QAM	12	0	19.73	19.78	19.64			
5	64QAM	12	7	19.72	19.66	19.63			
5	64QAM	12	13	19.68	19.68	19.77			
5	64QAM	25	0	19.64	19.72	19.80			
Channel				131997	132322	132657			
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	22.76	22.81	22.83	24	0	
3	QPSK	1	8	22.70	22.70	22.56			
3	QPSK	1	14	22.53	22.72	22.67			
3	QPSK	8	0	21.74	21.98	21.85			
3	QPSK	8	4	21.71	21.87	21.76	23	1	
3	QPSK	8	7	21.80	21.68	21.78			
3	QPSK	15	0	21.58	21.78	21.61			
3	16QAM	1	0	21.71	21.84	21.64			
3	16QAM	1	8	21.74	21.78	21.53	23	1	
3	16QAM	1	14	21.47	21.67	21.53			
3	16QAM	8	0	20.77	20.99	20.95			
3	16QAM	8	4	20.56	20.90	20.83			
3	16QAM	8	7	20.57	20.81	20.75	22	2	
3	16QAM	15	0	20.57	20.71	20.55			
3	64QAM	1	0	20.65	20.65	20.44			
3	64QAM	1	8	20.37	20.59	20.51			
3	64QAM	1	14	20.41	20.54	20.64	22	2	
3	64QAM	8	0	19.67	19.89	19.72			
3	64QAM	8	4	19.71	19.76	19.75			
3	64QAM	8	7	19.76	19.90	19.95			
3	64QAM	15	0	19.74	19.85	19.70			
Channel				131979	132322	132685			
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	22.39	22.84	22.68	24	0	
1.4	QPSK	1	3	22.54	22.71	22.53			
1.4	QPSK	1	5	22.48	22.63	22.42			
1.4	QPSK	1	3	22.56	22.75	22.70			
1.4	QPSK	3	1	22.41	22.54	22.43	23	1	
1.4	QPSK	3	3	22.30	22.49	22.42			
1.4	QPSK	6	0	21.40	21.62	21.73			
1.4	16QAM	1	0	21.62	21.86	21.64			
1.4	16QAM	1	3	21.62	21.76	21.58	23	1	
1.4	16QAM	1	5	21.67	21.64	21.63			
1.4	16QAM	3	0	21.34	21.64	21.50			
1.4	16QAM	3	3	21.54	21.55	21.64			
1.4	64QAM	1	0	20.68	20.62	20.44	22	2	
1.4	64QAM	1	3	20.37	20.66	20.57			
1.4	64QAM	1	5	20.40	20.42	20.47			
1.4	64QAM	3	0	20.57	20.68	20.40			
1.4	64QAM	3	1	20.58	20.61	20.44	22	2	
1.4	64QAM	3	3	20.38	20.54	20.53			
1.4	64QAM	6	0	19.42	19.67	19.54			
1.4	64QAM	6	1	19.47	19.85	19.70			

ECI7 Power

Band 2 Ant0 NSA ECI7													
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq. 18700	Power Middle Ch./Freq. 18800	Power High Ch./Freq. 19100	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	12.89	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	14	0					
20	16QAM	1	0	12.94	12.76	12.70							
20	16QAM	1	49	12.77	12.90	12.71							
20	16QAM	1	99	12.91	12.95	12.72	14	0					
20	16QAM	50	0	12.92	12.89	12.74							
20	16QAM	50	24	12.83	12.86	12.73							
20	16QAM	50	50	12.72	12.85	12.69	14	0					
20	16QAM	100	0	12.76	12.79	12.62							
20	64QAM	1	0	12.78	12.91	12.65							
20	64QAM	1	49	12.84	12.85	12.76	14	0					
20	64QAM	1	99	12.93	12.77	12.63							
20	64QAM	50	0	12.72	12.85	12.63							
20	64QAM	50	24	12.72	12.96	12.62	14	0					
20	64QAM	50	50	12.76	12.83	12.64							
20	64QAM	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	12.86	12.94	12.86	14	0					
15	QPSK	36	20	12.80	12.90	12.69							
15	QPSK	36	39	12.89	12.79	12.68							
15	QPSK	75	0	12.87	12.83	12.92	14	0					
15	16QAM	1	0	12.77	12.69	12.59							
15	16QAM	1	37	12.81	12.92	12.61							
15	16QAM	1	74	12.95	12.79	12.61	14	0					
15	16QAM	36	0	12.75	12.90	12.78							
15	16QAM	36	20	12.84	12.73	12.60							
15	16QAM	36	39	12.54	12.67	12.52	14	0					
15	16QAM	75	0	12.73	12.77	12.53							
15	64QAM	1	0	12.80	12.91	12.57							
15	64QAM	1	37	12.72	12.88	12.63	14	0					
15	64QAM	1	74	12.86	12.76	12.60							
15	64QAM	36	0	12.87	12.67	12.61							
15	64QAM	36	20	12.71	12.94	12.57	14	0					
15	64QAM	36	39	12.67	12.65	12.88							
15	64QAM	75	0	12.78	12.68	12.50							
Channel													
Frequency (MHz)													
10	QPSK	1	0	12.83	12.91	12.76	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	14	0					
10	16QAM	1	0	12.90	12.67	12.52							
10	16QAM	1	25	12.74	12.88	12.53							
10	16QAM	1	49	12.86	12.94	12.53	14	0					
10	16QAM	25	0	12.78	12.78	12.78							
10	16QAM	25	12	12.78	12.90	12.77							
10	16QAM	25	25	12.54	12.66	12.60	14	0					
10	16QAM	50	0	12.70	12.81	12.47							
10	64QAM	1	0	12.63	12.84	12.65							
10	64QAM	1	25	12.74	12.68	12.73	14	0					
10	64QAM	1	49	12.97	12.76	12.60							
10	64QAM	25	0	12.65	12.76	12.54							
10	64QAM	25	12	12.58	12.80	12.51	14	0					
10	64QAM	25	25	12.68	12.72	12.87							
10	64QAM	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	12.79							
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	14	0					
5	16QAM	1	0	12.90	12.78	12.74							
5	16QAM	1	12	12.61	12.89	12.66							
5	16QAM	1	24	12.76	12.89	12.56	14	0					
5	16QAM	12	0	12.89	12.90	12.64							
5	16QAM	12	7	12.81	12.69	12.64							
5	16QAM	12	13	12.76	12.88	12.52	14	0					
5	16QAM	25	0	12.60	12.69	12.63							
5	64QAM	1	0	12.68	12.92	12.47							
5	64QAM	1	12	12.80	12.70	12.65	14	0					
5	64QAM	1	24	12.83	12.74	12.53							
5	64QAM	12	0	12.70	12.68	12.51							
5	64QAM	12	7	12.65	12.94	12.53	14	0					
5	64QAM	12	13	12.73	12.76	12.72							
5	64QAM	25	0	12.88	12.82	12.53							
Channel													
Frequency (MHz)													
3	QPSK	1	0	12.78	12.88	12.88	14	0					
3	QPSK	1	8	12.83	12.90	12.64							
3	QPSK	1	14	12.89	12.78	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	8	12.66	12.72	12.60							
3	16QAM	1	14	12.75	12.77	12.74	14	0					
3	16QAM	8	0	12.95	12.89	12.69							
3	16QAM	8	4	12.68	12.71	12.70							
3	16QAM	8	7	12.88	12.73	12.73	14	0					
3	16QAM	15	0	12.60	12.74	12.56							
3	64QAM	1	0	12.69	12.94	12.62							
3	64QAM	1	8	12.69	12.88	12.65	14	0					
3	64QAM	1	14	12.77	12.71	12.68							
3	64QAM	8	0	12.88	12.77	12.40							
3	64QAM	8	4	12.76	12.75	12.62	14	0					
3	64QAM	8	7	12.71	12.78	12.73							
3	64QAM	15	0	12.88	12.85	12.41							
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	12.76	12.89	12.74	14	0					
1.4	QPSK	3	1	12.75	12.85	12.77							
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	12.86	12.71							
1.4	16QAM	1	3	12.77	12.85	12.61							
1.4	16QAM	1	5	12.83	12.77	12.55	14	0					
1.4	16QAM	3	0	12.85	12.89	12.64							
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	64QAM	1	0	12.80	12.76	12.68							
1.4	64QAM	1	3	12.86	12.80	12.60	14	0					
1.4	64QAM	1	5	12.76	12.70	12.60							
1.4	64QAM	3	0	12.83	12.87	12.63							
1.4	64QAM	3	1	12.62	12.90	12.64	14	0					
1.4	64QAM	3	3	12.71	12.77	12.76							
1.4	64QAM	6	0	12.92	12.87	12.54							



Band 2 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									
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	18.90	19.10			
20	QPSK	100	0	18.95	19.11	19.08			
20	16QAM	1	0	18.87	19.02	18.98			
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	19.00	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	19.14	19.12			
20	64QAM	100	0	18.86	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	25	18.95	19.05	18.98	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	25	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	25	18.97	19.02	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	18.98			
10	QPSK	25	12	19.01	19.04	19.01	20	0	
10	QPSK	25	25	18.67	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	18.90	18.91	19.09	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	18.92	18.93	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	18.86	19.02			
5	QPSK	12	0	19.07	19.09	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	18.94	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)									
3	QPSK	1	0	18.89	19.12	19.09			
3	QPSK	1	8	18.95	18.99	19.02	20	0	
3	QPSK	1	14	18.88	19.06	19.15			
3	QPSK	8	0	18.96	19.11	19.06			
3	QPSK	8	4	18.98	19.12	19.07	20	0	
3	QPSK	8	7	18.75	19.03	19.14			
3	QPSK	15	0	18.78	18.95	18.97			
3	16QAM	1	0	18.88	19.06	18.83			
3	16QAM	1	8	18.96	18.99	19.12	20	0	
3	16QAM	1	14	19.04	19.01	18.80			
3	16QAM	8	0	18.77	19.03	19.04			
3	16QAM	8	4	18.83	19.06	18.96	20	0	
3	16QAM	8	7	18.86	19.02	18.88			
3	16QAM	15	0	18.93	18.98	18.76			
3	64QAM	1	0	18.73	18.94	18.95			
3	64QAM	1	8	18.87	18.90	18.96	20	0	
3	64QAM	1	14	18.79	18.85	18.99			
3	64QAM	8	0	18.95	18.90	19.05			
3	64QAM	8	4	18.89	18.90	18.83	20	0	
3	64QAM	8	7	18.88	19.13	19.13			
3	64QAM	15	0	18.76	19.01	18.94			
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	20	0	
1.4	QPSK	1	5	18.98	18.95	19.05			
1.4	QPSK	3	0	19.00	19.00	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	19.03	18.78			
1.4	16QAM	3	0	18.83	19.17	18.89			
1.4	16QAM	3	1	18.97	18.85	19.09			
1.4	16QAM	3	3	18.77	19.05	19.06	20	0	
1.4	16QAM	6	0	18.95	18.92	18.77			
1.4	64QAM	1	0	18.81	19.12	19.17			
1.4	64QAM	1	3	18.69	18.99	19.01	20	0	
1.4	64QAM	1	5	18.74	18.98	18.98			
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	20	0	
1.4	64QAM	6	0	18.72	18.95	18.79			

Band 4 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									
Frequency (MHz)									
20	QPSK	1	0	18.63	18.76	18.88			
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	18.62	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	18.56	18.55			
20	16QAM	100	0	18.62	18.72	18.62			
20	64QAM	1	0	18.52	18.61	18.60			
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	18.49	18.56	18.61			
20	64QAM	100	0	18.54	18.48	18.55			
Channel									
Frequency (MHz)									
				201025	201175	201252	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.61	18.60	18.54			
15	QPSK	1	37	18.52	18.52	18.33	20		
15	QPSK	1	74	18.37	18.34	18.50			
15	QPSK	36	0	18.65	18.65	18.62			
15	QPSK	36	20	18.65	18.67	18.51	20	0	
15	QPSK	36	38	18.46	18.55	18.36			
15	QPSK	75	0	18.65	18.49	18.52			
15	16QAM	1	0	18.42	18.46	18.56			
15	16QAM	1	37	18.60	18.49	18.44	20	0	
15	16QAM	1	74	18.39	18.49	18.55			
15	16QAM	36	0	18.47	18.68	18.53			
15	16QAM	36	20	18.60	18.51	18.49	20	0	
15	16QAM	36	38	18.51	18.54	18.36			
15	16QAM	75	0	18.66	18.74	18.46			
15	64QAM	1	0	18.53	18.52	18.50			
15	64QAM	1	37	18.37	18.65	18.55	20	0	
15	64QAM	1	74	18.50	18.53	18.39			
15	64QAM	36	0	18.52	18.63	18.35			
15	64QAM	36	20	18.46	18.43	18.46	20	0	
15	64QAM	36	38	18.46	18.58	18.36			
15	64QAM	75	0	18.44	18.51	18.56			
Channel									
Frequency (MHz)									
				201000	201175	201250	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	18.63	18.66	18.73			
10	QPSK	1	25	18.49	18.71	18.53	20	0	
10	QPSK	1	49	18.41	18.51	18.51			
10	QPSK	25	0	18.62	18.64	18.47			
10	QPSK	25	12	18.46	18.68	18.35	20	0	
10	QPSK	25	25	18.62	18.52	18.48			
10	QPSK	50	0	18.56	18.72	18.58			
10	16QAM	1	0	18.40	18.45	18.49			
10	16QAM	1	25	18.40	18.57	18.64	20	0	
10	16QAM	1	49	18.43	18.44	18.65			
10	16QAM	25	0	18.56	18.53	18.55			
10	16QAM	25	12	18.53	18.56	18.35	20	0	
10	16QAM	25	25	18.56	18.39	18.47			
10	16QAM	50	0	18.66	18.74	18.54			
10	64QAM	1	0	18.55	18.60	18.56			
10	64QAM	1	25	18.42	18.48	18.45	20	0	
10	64QAM	1	49	18.45	18.39	18.51			
10	64QAM	25	0	18.55	18.52	18.33			
10	64QAM	25	12	18.53	18.56	18.32	20	0	
10	64QAM	25	25	18.34	18.39	18.43			
10	64QAM	50	0	18.59	18.52	18.46			
Channel									
Frequency (MHz)									
				199975	201175	20375	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	18.49	18.67	18.50			
5	QPSK	1	12	18.45	18.51	18.40	20	0	
5	QPSK	1	24	18.52	18.46	18.43			
5	QPSK	12	0	18.62	18.68	18.33			
5	QPSK	12	7	18.58	18.52	18.47	20	0	
5	QPSK	12	13	18.63	18.51	18.45			
5	QPSK	25	0	18.49	18.71	18.54			
5	16QAM	1	0	18.34	18.33	18.52			
5	16QAM	1	12	18.51	18.39	18.56	20	0	
5	16QAM	1	24	18.50	18.64	18.63			
5	16QAM	12	0	18.52	18.53	18.35			
5	16QAM	12	7	18.52	18.54	18.30	20	0	
5	16QAM	12	13	18.49	18.61	18.46			
5	16QAM	25	0	18.63	18.60	18.54			
5	64QAM	1	0	18.35	18.61	18.59			
5	64QAM	1	12	18.40	18.45	18.45	20	0	
5	64QAM	1	24	18.35	18.46	18.53			
5	64QAM	12	0	18.57	18.57	18.33			
5	64QAM	12	7	18.46	18.52	18.37	20	0	
5	64QAM	12	13	18.53	18.53	18.54			
5	64QAM	25	0	18.42	18.40	18.41			
Channel									
Frequency (MHz)									
				199955	201175	20385	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	18.51	18.71	18.61			
3	QPSK	1	8	18.47	18.65	18.43	20	0	
3	QPSK	1	14	18.34	18.40	18.44			
3	QPSK	8	0	18.64	18.56	18.36			
3	QPSK	8	4	18.47	18.59	18.47	20	0	
3	QPSK	8	7	18.58	18.51	18.35			
3	QPSK	15	0	18.65	18.62	18.52			
3	16QAM	1	0	18.40	18.42	18.46			
3	16QAM	1	8	18.47	18.55	18.59	20	0	
3	16QAM	1	14	18.43	18.49	18.53			
3	16QAM	8	0	18.49	18.51	18.43			
3	16QAM	8	4	18.48	18.43	18.40	20	0	
3	16QAM	8	7	18.54	18.55	18.40			
3	16QAM	15	0	18.45	18.61	18.40			
3	64QAM	1	0	18.42	18.55	18.63			
3	64QAM	1	8	18.37	18.45	18.58	20	0	
3	64QAM	1	14	18.32	18.54	18.43			
3	64QAM	8	0	18.44	18.46	18.36			
3	64QAM	8	4	18.60	18.51	18.55	20	0	
3	64QAM	8	7	18.40	18.55	18.43			
3	64QAM	15	0	18.48	18.39	18.52			
Channel									
Frequency (MHz)									
				199107	201175	20393	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	18.46	18.68	18.57			
1.4	QPSK	1	3	18.42	18.69	18.42	20	0	
1.4	QPSK	1	5	18.34	18.56	18.36			
1.4	QPSK	3	0	18.57	18.68	18.47			
1.4	QPSK	3	1	18.43	18.52	18.58			
1.4	QPSK	3	3	18.63	18.47	18.35	20	0	
1.4	QPSK	6	0	18.50	18.54	18.39			
1.4	16QAM	1	0	18.47	18.36	18.46			
1.4	16QAM	1	3	18.61	18.42	18.43	20	0	
1.4	16QAM	1	5	18.37	18.45	18.36			
1.4	16QAM	3	0	18.62	18.52	18.63			
1.4	16QAM	3	1	18.42	18.52	18.42	20	0	
1.4	16QAM	6	0	18.67	18.44	18.44			
1.4	64QAM	1	0	18.57	18.62	18.34	20	0	
1.4	64QAM	1	0	18.54	18.44	18.43			
1.4	64QAM	1	3	18.47	18.64	18.49			
1.4	64QAM	1	5	18.41	18.46	18.34	20	0	
1.4	64QAM	3	0	18.53	18.56	18.24			
1.4	64QAM	3	1	18.52	18.33	18.48			
1.4	64QAM	3	3	18.34	18.59	18.50			
1.4	64QAM	6	0	18.40	18.40	18.55	20	0	

Band 66 Ant4 NSA EC17

RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Total (MHz)		132072	132322	132572		
		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	18.49	18.58		
50	0	18.75	18.82	18.73		
50	24	18.69	18.61	18.59		
50	50	18.67	18.81	18.64	20	0
100	0	18.72	18.75	18.81		
1	0	18.39	18.56	18.65		
1	49	18.70	18.60	18.54		
1	99	18.65	18.62	18.58		
50	0	18.58	18.81	18.58	20	0
50	24	18.54	18.51	18.51		
50	50	18.77	18.63	18.49		
100	0	18.56	18.84	18.65		
1	0	18.62	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	18.61	18.47		
50	24	18.58	18.56	18.56		
50	50	18.49	18.49	18.45		
100	0	18.58	18.45	18.60		
Total (MHz)		132047	132322	132597		
		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	18.61	18.46		
36	0	18.65	18.74	18.76		
36	20	18.74	18.81	18.41		
36	39	18.63	18.44	18.65	20	0
75	0	18.69	18.74	18.50		
1	0	18.25	18.45	18.53		
1	37	18.62	18.57	18.39		
1	74	18.52	18.54	18.51		
36	0	18.54	18.71	18.60	20	0
36	20	18.58	18.48	18.37		
36	39	18.71	18.65	18.37		
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		
36	39	18.45	18.47	18.33		
75	0	18.44	18.45	18.50		
Total (MHz)		132022	132322	132622		
		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	18.66	18.63	18.75		
25	12	18.57	18.51	18.55		
25	25	18.71	18.53	18.48	20	0
50	0	18.69	18.61	18.61		
1	0	18.29	18.42	18.60		
1	25	18.64	18.42	18.54		
1	49	18.65	18.40	18.42		
25	0	18.51	18.70	18.51	20	0
25	12	18.37	18.54	18.54		
25	25	18.75	18.48	18.32		
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		
25	25	18.45	18.35	18.40		
50	0	18.43	18.46	18.44		
Total (MHz)		131997	132322	132647		
		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		
12	7	18.70	18.47	18.55		
12	13	18.66	18.44	18.54	20	0
25	0	18.71	18.61	18.43		
1	0	18.40	18.59	18.64		
1	12	18.65	18.59	18.57		
1	24	18.55	18.39	18.57		
12	0	18.45	18.83	18.44	20	0
12	7	18.42	18.51	18.47		
12	13	18.61	18.63	18.46		
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	18.64	18.46		
12	7	18.56	18.55	18.56		
12	13	18.31	18.53	18.31		
25	0	18.56	18.49	18.52		
Total (MHz)		131987	132322	132657		
		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		
8	4	18.53	18.45	18.60		
8	7	18.61	18.64	18.67	20	0
15	0	18.60	18.79	18.57		
1	0	18.30	18.58	18.64		
1	8	18.72	18.54	18.39		
1	14	18.50	18.55	18.50		
8	0	18.56	18.75	18.48	20	0
8	4	18.48	18.38	18.54		
8	7	18.81	18.58	18.36		
15	0	18.58	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		
8	7	18.53	18.42	18.30		
15	0	18.56	18.38	18.56		
Total (MHz)		131979	132322	132665		
		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	18.36	18.62		
3	0	18.74	18.65	18.63		
3	1	18.51	18.64	18.41		
3	3	18.68	18.50	18.46	20	0
6	0	18.68	18.60	18.59		
1	0	18.47	18.43	18.48		
1	3	18.74	18.54	18.36		
1	5	18.66	18.53	18.51		
3	0	18.55	18.77	18.46	20	0
3	1	18.49	18.39	18.55		
3	3	18.75	18.49	18.37		
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		
3	3	18.39	18.53	18.46		
6	0	18.51	18.46	18.52	20	0

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		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
20850	21048	QPSK	1	99	1	0	18.70
21100	21298	QPSK	1	99	1	0	18.79
21350	21152	QPSK	1	0	1	99	18.76

CA_38C Ant1 ECi3&7							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	20.54
37901	38099	QPSK	1	99	1	0	20.66
38150	37952	QPSK	1	0	1	99	20.59

CA_41C Ant1 ECi3&7							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.51
40185	40383	QPSK	1	99	1	0	20.6
40620	40818	QPSK	1	99	1	0	20.69
41055	41253	QPSK	1	99	1	0	20.45
41490	41292	QPSK	1	0	1	99	20.53

CA_66C Ant0 ECi3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	17.21
132322	132520	QPSK	1	99	1	0	17.41
132572	132374	QPSK	1	0	1	99	17.37

CA_66C Ant4 ECi2							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	19.81
132322	132520	QPSK	1	99	1	0	19.77
132572	132374	QPSK	1	0	1	99	19.74

CA_66B Ant0 ECi3							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132047	132140	QPSK	1	74	1	0	17.13
132322	132415	QPSK	1	74	1	0	17.20
132597	132504	QPSK	1	0	1	24	17.25

CA_66B Ant4 ECi2							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132047	132140	QPSK	1	74	1	0	19.65
132322	132415	QPSK	1	74	1	0	19.81
132597	132504	QPSK	1	0	1	24	19.65

CA_38C Ant1 ECi6							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
37850	38048	QPSK	1	99	1	0	22.07
37901	38099	QPSK	1	99	1	0	22.09
38150	37952	QPSK	1	0	1	99	22.03

CA_41C Ant1 ECi6							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
39750	39948	QPSK	1	99	1	0	20.99
40185	40383	QPSK	1	99	1	0	21.04
40620	40818	QPSK	1	99	1	0	21.10
41055	41253	QPSK	1	99	1	0	21.05
41490	41292	QPSK	1	0	1	99	21.12

CA_66C Ant0 ECi7							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	16.30
132322	132520	QPSK	1	99	1	0	16.36
132572	132374	QPSK	1	0	1	99	16.35

CA_66C Ant4 ECi3							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	20.28
132322	132520	QPSK	1	99	1	0	20.27
132572	132374	QPSK	1	0	1	99	20.15

CA_66B Ant0 ECi7							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132047	132140	QPSK	1	74	1	0	16.25
132322	132415	QPSK	1	74	1	0	16.32
132597	132504	QPSK	1	0	1	24	16.19

CA_66B Ant4 ECi3							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132047	132140	QPSK	1	74	1	0	20.10
132322	132415	QPSK	1	74	1	0	20.17
132597	132504	QPSK	1	0	1	24	20.21

CA_66C Ant0 ECi6							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	20.32
132322	132520	QPSK	1	99	1	0	20.34
132572	132374	QPSK	1	0	1	99	20.41

CA_66C Ant4 ECi7							
Combination 20MHz+20MHz (100RB+100RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132072	132270	QPSK	1	99	1	0	18.79
132322	132520	QPSK	1	99	1	0	18.81
132572	132374	QPSK	1	0	1	99	18.65

CA_66B Ant0 ECi6							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132047	132140	QPSK	1	74	1	0	20.15
132322	132415	QPSK	1	74	1	0	20.23
132597	132504	QPSK	1	0	1	24	20.29

CA_66B Ant4 ECi7							
Combination 15MHz+5MHz (75RB+25RB)							
PCC Channel	SCC Channel	Modulation	PCC		SCC		Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset	
132047	132140	QPSK	1	74	1	0	18.72
132322	132415	QPSK	1	74	1	0	18.74
132597	132504	QPSK	1	0	1	24	18.67

Conducted Power for DL CA

2CA DL

CA List	PCC										SCC				Power	
	LTE	BW	BW	UL	UL		UL#	UL	DL Antenna		LTE	BW	DL	DL	DL Antenna	
	Band	Ant	(MHz)	Freq (MHz)	Channel	Mod	RB	RB Offset	Configuratio n		Band	(MHz)	Freq (MHz)	Channel	Configuratio n	
CA_2A-2A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO		Band 2	5M	1987.5	1175	4x4MIMO	22.53
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO		Band 2	5M	1987.5	1175	4x4MIMO	19.81
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO		Band 2	20M	1979.8	1098	4x4MIMO	22.48
CA_2C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO		Band 2	20M	1979.8	1098	4x4MIMO	19.72
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO		Band 4	5M	2152.5	2375	4x4MIMO	22.36
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO		Band 4	5M	2152.5	2375	4x4MIMO	20.21
CA_4A-4A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 38	20M	2595	38000		22.88
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 66	20M	2155	66886	4x4MIMO	22.74
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 5	10M	881.5	2525		22.45
CA_5A-5A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 26	15M	876.5	8865		22.81
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0			Band 42	20M	3500	42590	4x4MIMO	22.87
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 42	20M	3500	42590	4x4MIMO	22.87
CA_7A-26A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO		Band 7	20M	2655	3100	4x4MIMO	22.19
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4x4MIMO		Band 7	5M	2544.3	3193	4x4MIMO	22.90
	Band 7	Ant1	15M	2535	21100	QPSK	1	0	4x4MIMO		Band 26	15M	876.5	8865		22.33
CA_7A-42A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 38	20M	2599.8	38048		22.74
	Band 38	Ant1	20M	2580	37850	QPSK	1	0			Band 42	20M	3500	42590	4x4MIMO	22.93
	Band 41	Ant1	20M	2593	40620	QPSK	1	0			Band 41	20M	2593	40620		22.17
CA_41A-42A	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4x4MIMO		Band 41	20M	2612.8	40818		22.85
	Band 41	Ant1	20M	2593	40620	QPSK	1	0			Band 42	20M	3519.8	42788	4x4MIMO	22.25
	Band 42	Ant5	20M	3500	42590	QPSK	1	0	4x4MIMO		Band 66	5M	2164.3	66979	4x4MIMO	22.41
CA_41C	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	5M	2164.3	66979	4x4MIMO	20.25
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	22.36
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
CA_42C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
CA_66B	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
CA_66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO		Band 66	20M	2164.8	66984	4x4MIMO	20.31

3CA DL

3CA List	PCC								SCC1				SCC2				Power				
	LTE	BW	BW	UL	UL	Mod.	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA	
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB		Band	(MHz)	Freq. (MHz)	Channel		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)	
							RB Offset														
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	22.66
	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	22.66
	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	22.66
	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	22.66
	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	22.66
CA_2A-7A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	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	22.66
CA_2A-7C	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.95	23.04
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 2	20M	1960	900	4xMIMO	22.61	22.66
	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	23.06	23.04
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2687.5	3425	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.81	22.88
	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 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.81	22.88
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	22.82	22.95
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.98	23.04
CA_5A-7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 7	20M	2554.8	3298	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	22.98	23.04
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 38	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
CA_7A-38A-66A	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
	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 Low		Power Middle		Power High	
				Ch / Freq.	Ch / Freq.	Ch / Freq.	Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000			
Frequency (MHz)				1865	1880	1895			
30	PI2 BPSK	1	1	22.15	22.25	22.25			
	PI2 BPSK	1	80	22.13	22.23	22.12	24.0	0.0	
	PI2 BPSK	1	158	22.14	22.24	22.13			
	PI2 BPSK	80	0	21.80	21.93	21.84	23.5	0.5	
	PI2 BPSK	80	40	22.16	22.25	22.14	24.0	0.0	
	PI2 BPSK	80	80	21.77	21.88	21.82	23.5	0.5	
	PI2 BPSK	160	0	21.92	21.97	21.85			
	QPSK	1	1	22.21	22.32	22.26			
	QPSK	1	80	22.15	22.28	22.15	24.0	0.0	
	QPSK	1	158	22.12	22.24	22.10			
30	QPSK	80	0	21.34	21.42	21.27	23.0	1.0	
	QPSK	80	40	22.18	22.29	22.19	24.0	0.0	
	QPSK	80	80	21.26	21.39	21.27	23.0	1.0	
	QPSK	160	0	21.41	21.47	21.40			
	16QAM	1	1	21.12	21.15	21.70	23.0	1.0	
	16QAM	1	1	19.51	19.65	19.59	21.5	2.5	
	256QAM	1	1	18.18	18.29	18.21	19.5	4.5	
	Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)
	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	(dBm)	(dB)	
20	QPSK	1	1	22.10	22.22	22.19	24.0	0.0	
	Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
	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 (dBm)	MPR (dB)
	Frequency (MHz)				1855	1860	1905	(dBm)	(dB)
10	QPSK	1	1	22.11	22.25	22.14	24.0	0.0	
	Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	1	22.11	22.20	22.19	24.0	0.0	



n26 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 16400 824	Power Middle Ch. / Freq. 166300 831.5	Power High Ch. / Freq. 167800 839	Tune-up limit (dBm)	MPR (dB)
20	Channel Frequency (MHz)			22.70	22.89	22.76		
	PI/2 BPSK	1	1					
	PI/2 BPSK	1	53	22.69	22.86	22.71	24.0	0.0
	PI/2 BPSK	1	104	22.57	22.77	22.68		
	PI/2 BPSK	50	0	22.38	22.56	22.48	23.5	0.5
	PI/2 BPSK	50	28	22.68	22.87	22.75	24.0	0.0
	PI/2 BPSK	50	56	22.23	22.45	22.51		
	PI/2 BPSK	100	0	22.32	22.51	22.37	23.5	0.5
	QPSK	1	1	22.76	22.94	22.81		
	QPSK	1	53	22.71	22.89	22.79	24.0	0.0
20	Channel Frequency (MHz)			22.53	22.74	22.62		
	QPSK	1	104					
	QPSK	50	0	21.79	21.98	21.83	23.0	1.0
	QPSK	50	28	22.70	22.89	22.75	24.0	0.0
	QPSK	50	56	21.67	21.91	21.84		
	QPSK	100	0	21.79	21.96	21.82	23.0	1.0
	16QAM	1	1	21.31	21.56	21.43	23.0	1.0
	64QAM	1	1	19.87	20.08	19.99	21.5	2.5
	Channel Frequency (MHz)			18.51	18.71	18.64	19.5	4.5
	Channel Frequency (MHz)			164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
15	Channel Frequency (MHz)			821.5	831.5	841.5		
	QPSK	1	1	22.68	22.80	22.70	24.0	0.0
	Channel Frequency (MHz)			163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			819	831.5	844		
	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
	Channel Frequency (MHz)			163300	165300	167300	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			816.5	831.5	846.5		
	QPSK	1	1	22.71	22.81	22.69	24.0	0.0
	Channel Frequency (MHz)							
	Channel Frequency (MHz)							

n66 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 346500 1722.5	Power Middle Ch. / Freq. 349000 1745	Power High Ch. / Freq. 351500 1767.5	Tune-up limit (dBm)	MPR (dB)
45	Channel Frequency (MHz)			22.11	22.24	22.10		
	PI/2 BPSK	1	1					
	PI/2 BPSK	1	120	22.73	22.82	22.70	24.0	0.0
	PI/2 BPSK	1	243	22.35	22.41	22.31		
	PI/2 BPSK	120	0	22.04	22.15	22.10	23.5	0.5
	PI/2 BPSK	120	60	22.57	22.64	22.60	24.0	0.0
	PI/2 BPSK	120	120	22.29	22.37	22.30		
	PI/2 BPSK	240	0	22.14	22.27	22.16	23.5	0.5
	QPSK	1	1	22.17	22.31	22.22		
	QPSK	1	120	22.66	22.77	22.69	24.0	0.0
45	Channel Frequency (MHz)			22.29	22.38	22.30		
	QPSK	1	243					
	QPSK	120	0	21.67	21.82	21.74	23.0	1.0
	QPSK	120	60	22.76	22.84	22.71	24.0	0.0
	QPSK	120	120	21.91	21.99	21.91		
	QPSK	240	0	21.79	21.86	21.77	23.0	1.0
	16QAM	1	120	21.05	21.08	21.04	23.0	1.0
	64QAM	1	120	19.54	19.57	19.51	21.5	2.5
	Channel Frequency (MHz)			18.02	18.12	18.00	19.5	4.5
	Channel Frequency (MHz)			346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
40	Channel Frequency (MHz)			1730	1745	1760		
	QPSK	1	108	22.81	22.75	22.69	24.0	0.0
	Channel Frequency (MHz)			345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1727.5	1745	1762.5		
	QPSK	1	92	22.71	22.63	22.68	24.0	0.0
	Channel Frequency (MHz)			345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1725	1745	1765		
	QPSK	1	80	22.63	22.81	22.59	24.0	0.0
	Channel Frequency (MHz)			344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1722.5	1745	1767.5		
25	Channel Frequency (MHz)			22.68	22.78	22.76	24.0	0.0
	QPSK	1	64					
	Channel Frequency (MHz)			344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1720	1745	1770		
	QPSK	1	53	22.68	22.78	22.75	24.0	0.0
	Channel Frequency (MHz)			343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1717.5	1745	1772.5		
	QPSK	1	40	22.68	22.83	22.76	24.0	0.0
	Channel Frequency (MHz)			343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1715	1745	1775		
15	Channel Frequency (MHz)			22.75	22.73	22.70	24.0	0.0
	QPSK	1	26					
	Channel Frequency (MHz)			342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
	Channel Frequency (MHz)			1712.5	1745	1777.5		
	QPSK	1	12	22.63	22.77	22.76	24.0	0.0
	Channel Frequency (MHz)							
	Channel Frequency (MHz)							
	Channel Frequency (MHz)							
	Channel Frequency (MHz)							
	Channel Frequency (MHz)							



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				505000	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	MPR	
Frequency (Mhz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	22.83	22.86	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334		3500.01			
Frequency (MHz)									
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		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	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	20.46	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	26	20.49	20.68	20.52	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	19	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334				
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	21.83	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	21.85	21.40	21.33	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	21.12	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				630500	633334	636168	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				630334	633334	636334	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		Power	Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq.	Ch. / Freq.	High Ch. / Freq.		
Channel				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	19.01	19.21	19.15	21.0	0.0
30	PI/2 BPSK	1	80	19.04	19.17	19.16		
30	PI/2 BPSK	1	158	19.01	19.11	19.09	20.5	0.5
30	PI/2 BPSK	80	0	18.58	18.74	18.66		
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	20.5	0.5
30	PI/2 BPSK	160	0	18.63	18.81	18.76		
30	QPSK	1	1	19.07	19.26	19.21	21.0	0.0
30	QPSK	1	80	19.05	19.21	19.15		
30	QPSK	1	158	19.04	19.19	19.16	20.0	1.0
30	QPSK	80	0	18.05	18.21	18.17		
30	QPSK	80	40	19.09	19.23	19.16	21.0	0.0
30	QPSK	80	80	18.08	18.27	18.27	20.0	1.0
30	QPSK	160	0	18.16	18.33	18.28		
30	16QAM	1	1	18.07	18.11	18.09	20.0	1.0
30	64QAM	1	1	16.51	16.54	16.53	18.5	2.5
30	256QAM	1	1	14.83	15.01	14.95	16.5	4.5
Channel				372000	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
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)				1860	1880	1900		
20	QPSK	1	1	19.04	19.18	19.14	21.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.04	19.18	19.14	21.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.02	19.20	19.11	21.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.03	19.12	19.14	21.0	0.0

n5 Ant4 NSA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power		Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)
				Low Ch./ Freq.	Ch./ Freq.			
Channel				167300				
Frequency (MHz)				836.5				
25	PI/2 BPSK	1	1	23.09			24.0	0.0
25	PI/2 BPSK	1	64	23.01				
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			23.5	0.5
25	PI/2 BPSK	128	0	22.55				
25	QPSK	1	1	23.07			24.0	0.0
25	QPSK	1	64	23.02				
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			23.0	1.0
25	QPSK	128	0	22.02				
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	168800	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 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	PV2 BPSK	1	1	20.14	20.19	20.12	21.5	0.0	
45	PV2 BPSK	1	120	20.51	20.66	20.62			
45	PV2 BPSK	1	243	20.03	20.13	20.13			
45	PV2 BPSK	120	0	20.06	20.14	20.12	21.0	0.5	
45	PV2 BPSK	120	60	20.55	20.65	20.62	21.5	0.0	
45	PV2 BPSK	120	120	20.07	20.18	20.17	21.0	0.5	
45	PV2 BPSK	240	0	20.04	20.13	20.08	21.5	0.0	
45	QPSK	1	1	20.16	20.23	20.19			
45	QPSK	1	120	20.54	20.66	20.57			
45	QPSK	1	243	19.91	19.99	19.94	20.5	1.0	
45	QPSK	120	0	19.65	19.72	19.64			
45	QPSK	120	60	20.57	20.69	20.68			
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0	
45	QPSK	240	0	19.65	19.78	19.74	20.5	1.0	
45	16QAM	1	120	18.85	18.96	18.89			
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	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				345000	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	20.55	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 Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334		3500.01		
Frequency (Mhz)				22.45				
100	PI/2 BPSK	1	1					
100	PI/2 BPSK	1	137	22.37		24.0		
100	PI/2 BPSK	1	271	22.19				
100	PI/2 BPSK	135	0	21.71		23.5		
100	PI/2 BPSK	135	69	22.42		24.0		
100	PI/2 BPSK	135	138	21.74				
100	PI/2 BPSK	270	0	21.71		23.5		
100	QPSK	1	1	22.07				
100	QPSK	1	137	22.47		24.0		
100	QPSK	1	271	22.21				
100	QPSK	135	0	21.17		23.0		
100	QPSK	135	69	22.44		24.0		
100	QPSK	135	138	21.22				
100	QPSK	270	0	21.25		23.0		
100	16QAM	1	137	21.09		23.0		
100	64QAM	1	137	19.54		21.5		
100	256QAM	1	137	17.70		19.5		
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	22.26	24.0	0.0
Channel				630500	633334	636168	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 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		20.19		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		19.68		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		19.09		20.0	1.0	
100	QPSK	135	69		20.28		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		16.5	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	20.16	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	20.09	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	636168	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 Ch. / Freq. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1865	1880	1895			
Frequency (MHz)									
30	PI/2 BPSK	1	1	22.15	22.26	22.15	24.0	0.0	
30	PI/2 BPSK	1	80	22.13	22.23	22.12			
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	23.5	0.5	
30	PI/2 BPSK	160	0	21.92	21.97	21.85			
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	21.39	21.27	23.0	1.0	
30	QPSK	160	0	21.41	21.47	21.40			
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				372500	376000	379500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	22.09	22.18	22.25	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				371500	376000	380500	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 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 167300	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq. 167300	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				836.5	836.5	836.5			
25	PI/2 BPSK	1	1	22.81	22.86	22.71	24.0	0.0	
25	PI/2 BPSK	1	64	22.69	22.83	22.65			
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	23.5	0.5	
25	PI/2 BPSK	128	0	22.28	22.37	22.22			
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	23.0	1.0	
25	QPSK	128	0	21.79	21.84	21.59			
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				166800	167300	167800	Tune-up limit	MPR	
Frequency (MHz)				834	836.5	839	(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	22.64	22.86	22.61	24.0	0.0	



n26 Ant0 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				164400	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.78		
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	22.79	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				164500	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 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	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	24.0	0.0
45	QPSK	1	120	22.66	22.77	22.69		
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	22.94	22.71	24.0	0.0
45	QPSK	120	120	21.91	21.99	21.91	23.0	1.0
45	QPSK	240	0	21.79	21.86	21.77		
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	22.59	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	24.0	0.0	
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	23.5	0.5	
50	PI/2 BPSK	1	268	22.49	22.55	22.36			
50	PI/2 BPSK	135	0	22.19	22.31	22.14			
50	PI/2 BPSK	135	68	22.29	22.41	22.19	23.5	0.5	
50	PI/2 BPSK	135	135	22.23	22.34	22.16			
50	PI/2 BPSK	270	0	22.22	22.33	22.14			
50	QPSK	1	1	22.89	22.98	22.81	24.0	0.0	
50	QPSK	1	135	22.66	22.79	22.55			
50	QPSK	1	268	22.38	22.47	22.25			
50	QPSK	135	0	21.68	21.81	21.61	23.0	1.0	
50	QPSK	135	68	22.82	22.93	22.70			
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			
50	64QAM	1	1	19.81	19.90	19.72			
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	22.86	22.69		24.0	
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	
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	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.76	22.84	22.69		24.0	
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	
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	
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	

Part27Q n78 Ant1 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				633334				
Frequency (MHz)				3500.01				
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				
100	PI/2 BPSK	135	66	20.68			21.5	0.5
100	PI/2 BPSK	135	138	19.95			22.0	0.0
100	PI/2 BPSK	270	0	19.92			21.5	0.5
100	QPSK	1	1	20.01				
100	QPSK	1	137	20.73				
100	QPSK	1	271	20.44				
100	QPSK	135	0	19.46			21.0	1.0
100	QPSK	135	66	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				
100	64QAM	1	137	18.07				
100	256QAM	1	137	16.06			19.5	2.5
Channel				633000	633334	633668	17.5	4.5
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	20.55	20.59	20.44	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.55	20.60	20.54	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.64	20.60	20.45	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.32	20.31	20.46	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.49	20.35	20.55	22.0	0.0

Part27Q n78 Ant2 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				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				
100	PI/2 BPSK	135	69	21.51			22.5	0.5
100	PI/2 BPSK	135	138	20.88				
100	PI/2 BPSK	270	0	20.88			23.0	0.0
100	QPSK	1	1	21.07				
100	QPSK	1	137	21.52				
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	21.83	21.34	21.30	23.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	21.46	21.39	21.33	23.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	21.35	21.40	21.53	23.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	21.43	21.12	21.35	23.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	21.46	21.38	21.32	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	21.46	21.38	21.32	23.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	21.46	21.38	21.32	23.0	0.0

n2 Ant4 DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1865	1880	1895	19.0	0.0	
Frequency (MHz)				17.28	17.26	17.29			
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			
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			
30	QPSK	1	1	17.31	17.34	17.29	19.0	0.0	
30	QPSK	1	80	17.26	17.21	17.23			
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			
30	QPSK	80	80	17.27	17.23	17.25			
30	QPSK	160	0	17.26	17.28	17.23	19.0	0.0	
30	16QAM	1	1	17.18	17.11	17.14			
30	64QAM	1	1	16.78	16.95	16.78		0.5	
30	256QAM	1	1	14.81	14.91	14.79	10.5		2.5
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	19.0	0.0	
25	QPSK	1	1	17.22	17.31	17.28			
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	19.0	0.0	
20	QPSK	1	1	17.29	17.33	17.18			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	19.0	0.0	
15	QPSK	1	1	17.17	17.22	17.25			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	19.0	0.0	
10	QPSK	1	1	17.22	17.23	17.24			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	19.0	0.0	
5	QPSK	1	1	17.12	17.24	17.21			

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			24.0	0.0	
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1	23.09					
25	PI/2 BPSK	1	64	23.01			23.5	0.5	
25	PI/2 BPSK	1	131	22.98					
25	PI/2 BPSK	64	0	22.57					
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					
25	QPSK	1	1	23.14			24.0	0.0	
25	QPSK	1	64	23.07					
25	QPSK	1	131	23.02					
25	QPSK	64	0	22.05			23.0	1.0	
25	QPSK	64	33	23.08					
25	QPSK	64	65	21.99					
25	QPSK	128	0	22.02			23.0	1.0	
25	16QAM	1	1	21.71					
25	64QAM	1	1	20.24					
25	256QAM	1	1	18.84			19.5		
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			
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			
Channel				165800	167300	168800	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			
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			

n66 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				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	20.55	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	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	19.65	19.72	19.64	20.5	1.0
45	QPSK	120	60	20.57	20.69	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				348000	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				345500	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				345000	345000	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	345000	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				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.53	20.64	20.61	21.5	0.0
Channel				343000	345000	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				342900	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				633334	3500.01			
Frequency (MHz)				15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	1	1	15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	1	137	15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	1	271	15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	135	0	15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	135	66	15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	135	138	15.31	15.22	15.32	17.0	0.0
100	PI/2 BPSK	270	0	15.31	15.22	15.32	17.0	0.0
100	QPSK	1	1	15.31	15.22	15.32	17.0	0.0
100	QPSK	1	137	15.31	15.22	15.32	17.0	0.0
100	QPSK	1	271	15.31	15.22	15.32	17.0	0.0
100	QPSK	135	0	15.31	15.22	15.32	17.0	0.0
100	QPSK	135	66	15.31	15.22	15.32	17.0	0.0
100	QPSK	135	138	15.31	15.22	15.32	17.0	0.0
100	QPSK	270	0	15.31	15.22	15.32	17.0	0.0
100	16QAM	1	137	15.31	15.22	15.32	17.0	0.0
100	64QAM	1	137	15.31	15.22	15.32	17.0	0.0
100	256QAM	1	137	15.31	15.22	15.32	17.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	17.0	0.0
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	17.0	0.0
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	17.0	0.0
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	17.0	0.0
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	17.0	0.0
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	17.0	0.0
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	17.0	0.0
30	QPSK	1	39	15.15	15.29	15.22	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	17.0	0.0
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	17.0	0.0
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	17.0	0.0
10	QPSK	1	12	15.06	15.36	15.11	17.0	0.0

Part27Q n78 Ant7 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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	18.35			19.0	0.0
100	PI/2 BPSK	1	137	18.14				
100	PI/2 BPSK	1	271	18.32				
100	PI/2 BPSK	135	0	18.29				
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			19.0	0.0
100	QPSK	1	1	18.06				
100	QPSK	1	137	18.37				
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			19.0	0.0
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			16.5	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	18.23	18.10	18.24	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	18.14	18.23	18.21	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	18.24	18.22	18.25	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	18.19	18.28	18.14	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	18.12	18.28	18.20	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3547.52		
15	QPSK	1	19	18.14	18.20	18.17	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	18.21	18.21	18.07	19.0	0.0



ECI3 Power

n2 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				373000	376000	379000		
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	16.02	16.07	15.96	17.5	0.0
30	PI/2 BPSK	1	80	15.89	15.92	16.06		
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	17.5	0.0
30	PI/2 BPSK	160	0	15.90	15.98	16.01		
30	QPSK	1	1	16.06	16.10	16.02	17.5	0.0
30	QPSK	1	80	15.99	15.99	15.94		
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	15.99	17.5	0.0
30	QPSK	80	80	15.88	15.99	15.84	17.5	0.0
30	QPSK	160	0	15.92	16.02	15.94	17.5	0.0
30	16QAM	1	1	15.99	15.98	15.90		
30	64QAM	1	1	15.85	15.96	15.99		
30	256QAM	1	1	15.88	16.09	16.00	17.5	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	15.93	15.87	15.88		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	15.82	15.92	15.87		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	15.92	15.90	15.88		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.76	15.91	15.87		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	15.86	15.97	15.85		

n5 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				836.5			24.0	0.0
Frequency (MHz)				167300				
25	PI/2 BPSK	1	1		22.86		24.0	0.0
25	PI/2 BPSK	1	64		22.83			
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		23.5	0.5
25	PI/2 BPSK	128	0		22.37			
25	QPSK	1	1		22.92		24.0	0.0
25	QPSK	1	64		22.84			
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		23.0	1.0
25	QPSK	128	0		21.84			
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	836.5	839	24.0	0.0
20	QPSK	1	1	22.84	22.74	22.82		
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	22.69	22.84	22.62		
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	24.0	0.0
10	QPSK	1	1	22.72	22.77	22.59		
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	22.64	22.86	22.61		



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				164800	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.76	24.0	0.0
20	PI/2 BPSK	1	53	22.69	22.86	22.71		
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48		
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	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.51	22.37		
20	QPSK	1	1	22.76	22.94	22.81	24.0	0.0
20	QPSK	1	53	22.71	22.89	22.79		
20	QPSK	1	104	22.53	22.74	22.62		
20	QPSK	50	0	21.79	21.98	21.83		
20	QPSK	50	28	22.70	22.89	22.79	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84	23.0	1.0
20	QPSK	100	0	21.79	21.96	21.82		
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 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	21.0	0.0
Frequency (MHz)				1722.5	1745	1757.5		
45	PI/2 BPSK	1	1	19.19	19.32	19.29	21.0	0.0
45	PI/2 BPSK	1	120	19.31	19.37	19.29		
45	PI/2 BPSK	1	243	19.30	19.39	19.26		
45	PI/2 BPSK	120	0	19.28	19.36	19.18		
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	19.26	19.28		
45	QPSK	1	1	19.38	19.42	19.32	21.0	0.0
45	QPSK	1	120	19.79	19.84	19.73		
45	QPSK	1	243	19.20	19.43	19.26		
45	QPSK	120	0	19.63	19.73	19.72		
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				346000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	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				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	19.70	19.81	19.57	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				344000	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				343000	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	21.0	0.0	
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	19.68	19.87	19.91			
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			
50	PI/2 BPSK	270	0	19.96	20.11	20.01			
50	QPSK	1	1	20.03	20.12	20.09	21.0	0.0	
50	QPSK	1	135	19.93	20.11	20.06			
50	QPSK	1	268	19.85	19.99	19.95			
50	QPSK	135	0	19.96	20.00	20.00	21.0	0.0	
50	QPSK	135	68	20.00	20.02	19.99			
50	QPSK	135	135	19.94	19.96	19.77			
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 (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.89	19.93	20.07		21.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.63	19.95	20.02		21.0	
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	19.98		21.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.80	20.07	20.05		21.0	
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	19.94		21.0	
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	
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	

Part27Q n78 Ant1 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				633334				
Frequency (MHz)				3500.01				
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				
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			22.0	0.0
100	QPSK	1	137	20.73				
100	QPSK	1	271	20.44				
100	QPSK	135	0	19.46				
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.55	20.60	20.54	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.64	20.60	20.45	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.32	20.31	20.46	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.49	20.35	20.55	22.0	0.0

Part27Q n78 Ant2 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				633334				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.19				
100	PI/2 BPSK	1	137	16.18			18.0	0.0
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	16.06			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	16.10			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	16.36	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	16.40	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	16.38	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	636168	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				630334	633334	636334	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	19.0	0.0	
30	PI/2 BPSK	1	80	17.08	17.23	17.05			
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	19.0	0.0	
30	PI/2 BPSK	160	0	17.06	17.22	17.21			
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		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	19.0	0.0	
30	QPSK	160	0	17.07	17.19	17.14			
30	16QAM	1	1	17.03	17.26	17.12	19.0	0.0	
30	64QAM	1	1	16.51	16.87	16.72	18.5	0.5	
30	256QAM	1	1	14.95	15.22	15.18	10.5	2.5	
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	17.01	17.21	17.29	19.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	1	17.08	17.13	17.19	19.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	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 (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	17.14	17.16	17.03	19.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	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		24.0	0.0	
25	PI/2 BPSK	1	64		23.01				
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		23.5	0.5	
25	PI/2 BPSK	128	0		22.55				
25	QPSK	1	1		23.14				
25	QPSK	1	64		23.07		24.0	0.0	
25	QPSK	1	131		23.02		23.0	1.0	
25	QPSK	64	0		22.05				
25	QPSK	64	33		23.08		24.0	0.0	
25	QPSK	64	65		21.99		23.0	1.0	
25	QPSK	128	0		22.02				
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	168800	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 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				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	20.55	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	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	19.65	19.72	19.84	20.5	1.0
45	QPSK	120	60	20.57	20.69	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				348000	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				345900	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.62	20.51	20.50	21.5	0.0
Channel				345000	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				344900	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				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.53	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				342900	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 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				633334	3500.01		16.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		14.03				
100	PI/2 BPSK	1	137		14.04				
100	PI/2 BPSK	1	271		14.09		16.0	0.0	
100	PI/2 BPSK	135	0		14.02				
100	PI/2 BPSK	135	66		14.08				
100	PI/2 BPSK	135	138		14.03				
100	PI/2 BPSK	270	0		14.07		16.0	0.0	
100	QPSK	1	1		14.11				
100	QPSK	1	137		14.49				
100	QPSK	1	271		14.03				
100	QPSK	135	0		14.05		16.0	0.0	
100	QPSK	135	66		14.35				
100	QPSK	135	138		14.05				
100	QPSK	270	0		14.36				
100	16QAM	1	137		14.03		16.0	0.0	
100	64QAM	1	137		14.02				
100	256QAM	1	137		14.07				
Channel				633000	633334	633668	16.0	0.0	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	120	14.40	14.37	14.44			
Channel				632668	633334	634000	16.0	0.0	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	108	14.40	14.40	14.42			
Channel				632334	633334	634334	16.0	0.0	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	94	14.42	14.39	14.44			
Channel				632000	633334	634668	16.0	0.0	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	14.23	14.27	14.34			
Channel				631668	633334	635000	16.0	0.0	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	14.44	14.35	14.35			
Channel				631334	633334	635334	16.0	0.0	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	14.39	14.38	14.42			
Channel				631000	633334	635668	16.0	0.0	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	14.26	14.31	14.30			
Channel				630668	633334	636000	16.0	0.0	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	25	14.23	14.39	14.43			
Channel				630334	633334	636168	16.0	0.0	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	14.32	14.37	14.40			
Channel				630334	633334	636334	16.0	0.0	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	14.28	14.38	14.44			

Part27Q n78 Ant7 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				633334	3500.01		18.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.42		18.0	0.0
100	PI/2 BPSK	1	137		16.48			
100	PI/2 BPSK	1	271		16.52		18.0	0.0
100	PI/2 BPSK	135	0		16.53			
100	PI/2 BPSK	135	69		16.48		18.0	0.0
100	PI/2 BPSK	135	138		16.53			
100	PI/2 BPSK	270	0		16.57		18.0	0.0
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			
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			
100	256QAM	1	137		15.43		16.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	16.91	16.91	16.82	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	16.87	16.81	16.85	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	16.96	16.89	16.93	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	16.89	16.95	16.91	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	16.92	16.89	16.96	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3547.52		
15	QPSK	1	19	16.85	16.92	16.90	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	16.96	16.83	16.95	18.0	0.0



ECI4 Power

n2 Ant0 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel				1865	1880	1895		
Frequency (MHz)								
30	PI/2 BPSK	1	1	22.15	22.26	22.15	24.0	0.0
30	PI/2 BPSK	1	80	22.13	22.23	22.12		
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	23.5	0.5
30	PI/2 BPSK	160	0	21.92	21.97	21.85		
30	QPSK	1	1	22.21	22.32	22.26	24.0	0.0
30	QPSK	1	80	22.15	22.28	22.16		
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	23.0	1.0
30	QPSK	160	0	21.41	21.47	21.40		
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)				1862.5	1880	1897.5	(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				371000	376000	379000	Tune-up limit	MPR
Frequency (MHz)				1837.5	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				370000	376000	381500	Tune-up limit	MPR
Frequency (MHz)				1832.5	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. 167300	Power Middle Ch. / Freq. 167300	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1836.5				
Frequency (MHz)								
25	PI/2 BPSK	1	1		22.86		24.0	0.0
25	PI/2 BPSK	1	64		22.83			
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		23.5	0.5
25	PI/2 BPSK	128	0		22.37			
25	QPSK	1	1		22.92		24.0	0.0
25	QPSK	1	64		22.84			
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		23.0	1.0
25	QPSK	128	0		21.84			
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	836.5	839	(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				165300	167300	168300	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	22.64	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				824	831.5	839	24.0	0.0
Frequency (MHz)								
20	PI/2 BPSK	1	1	22.70	22.89	22.78		
20	PI/2 BPSK	1	53	22.69	22.86	22.71		
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	22.51	23.5	0.5
20	PI/2 BPSK	100	0	22.32	22.51	22.37		
20	QPSK	1	1	22.76	22.94	22.81	24.0	0.0
20	QPSK	1	53	22.71	22.89	22.79		
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	22.79	24.0	0.0
20	QPSK	50	56	21.67	21.91	21.84	23.0	1.0
20	QPSK	100	0	21.79	21.96	21.82		
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	165300	166300	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	165300	167300	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	24.0	0.0
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		
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	23.5	0.5
45	PI/2 BPSK	240	0	22.14	22.27	22.16		
45	QPSK	1	1	22.17	22.31	22.22	24.0	0.0
45	QPSK	1	120	22.66	22.77	22.69		
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	22.94	22.71	24.0	0.0
45	QPSK	120	120	21.91	21.99	21.91	23.0	1.0
45	QPSK	240	0	21.79	21.86	21.77		
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	22.59	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				503000	507000	509000	24.0	0.0	
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	23.5	0.5	
50	PI/2 BPSK	1	268	22.49	22.55	22.36			
50	PI/2 BPSK	135	0	22.19	22.31	22.14			
50	PI/2 BPSK	135	68	22.29	22.41	22.19	23.5	0.5	
50	PI/2 BPSK	135	135	22.23	22.34	22.16			
50	PI/2 BPSK	270	0	22.22	22.33	22.14			
50	QPSK	1	1	22.89	22.98	22.81	24.0	0.0	
50	QPSK	1	135	22.66	22.79	22.55			
50	QPSK	1	268	22.38	22.47	22.25			
50	QPSK	135	0	21.68	21.81	21.61	23.0	1.0	
50	QPSK	135	68	22.82	22.93	22.70			
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			
50	64QAM	1	1	19.81	19.90	19.72			
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	22.86	22.69		24.0	
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	
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	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	22.76	22.84	22.69		24.0	
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	
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	
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	

Part27Q n78 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				633334	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	66		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		22.0	0.0	
100	QPSK	1	137		20.73				
100	QPSK	1	271		20.44				
100	QPSK	135	0		19.46		21.0	1.0	
100	QPSK	135	66		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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	108	20.55	20.60	20.54	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	81	20.64	20.60	20.45	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	53	20.32	20.31	20.46	22.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	20.49	20.35	20.55	22.0	0.0	

Part27Q n78 Ant2 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				633334	3500.01			
Frequency (MHz)				18.48	18.44			
100	PI/2 BPSK	1	1	18.48	18.44		20.0	0.0
100	PI/2 BPSK	1	137	18.12	18.08		20.0	0.0
100	PI/2 BPSK	1	271	18.01	18.06		20.0	0.0
100	PI/2 BPSK	135	69	18.06	18.17		20.0	0.0
100	PI/2 BPSK	135	138	18.09	18.02		20.0	0.0
100	PI/2 BPSK	270	0	18.41	18.50		20.0	0.0
100	QPSK	1	1	18.44	18.42		20.0	0.0
100	QPSK	1	137	18.44	18.34		20.0	0.0
100	QPSK	1	271	18.34	17.03		20.0	0.0
100	QPSK	135	69	18.34	18.35		20.0	0.0
100	QPSK	135	138	18.34	18.35		20.0	0.0
100	QPSK	270	0	18.34	18.35		20.0	0.0
100	16QAM	1	137	18.34	18.35		20.0	0.0
100	64QAM	1	137	18.34	18.35		20.0	0.0
100	256QAM	1	137	18.34	18.35		20.0	0.0
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	18.46	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	18.25	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				630334	633334	636334	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	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	19.01	19.21	19.15	21.0	0.0	
30	PI/2 BPSK	1	80	19.04	19.17	19.16			
30	PI/2 BPSK	1	158	19.01	19.11	19.09			
30	PI/2 BPSK	80	0	18.98	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	18.83	18.79	18.77	20.5	0.5	
30	PI/2 BPSK	160	0	18.83	18.81	18.76			
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	20.0	1.0	
30	QPSK	160	0	18.16	18.33	18.28			
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				372500	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
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)				1860	1880	1890			
20	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1905	1920	1925			
10	QPSK	1	1	19.02	19.20	19.11	21.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	19.03	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					
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1		23.09		24.0	0.0	
25	PI/2 BPSK	1	64		23.01				
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		23.5	0.5	
25	PI/2 BPSK	128	0		22.55				
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		23.0	1.0	
25	QPSK	128	0		22.02				
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	168800	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 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				346000	349000	351500	21.5	0.0
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	20.55	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	PI/2 BPSK	240	0	20.04	20.13	20.08	21.5	0.0
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57		
45	QPSK	1	243	19.91	19.99	19.94	20.5	1.0
45	QPSK	120	0	19.65	19.72	19.84		
45	QPSK	120	60	20.57	20.65	20.68		
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.76	19.74	20.5	1.0
45	16QAM	1	120	18.85	18.96	18.89		
45	64QAM	1	120	17.37	17.49	17.46		
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				348000	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				349000	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.61	20.48	20.59	21.5	0.0
Channel				345000	345000	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				344900	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	345000	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				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.53	20.64	20.61	21.5	0.0
Channel				343000	345000	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				342900	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									
BW [MHz]	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)				22.45					
100	PI/2 BPSK	1	1	22.45			24.0	0.0	
100	PI/2 BPSK	1	137	22.37					
100	PI/2 BPSK	1	271	22.19					
100	PI/2 BPSK	135	0	21.71					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					1.0
100	QPSK	135	69	22.44					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	17.70			19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	25	22.43	22.40	22.26	24.0	0.0	
Channel				630334	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	19	22.22	22.36	22.37	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	22.36	22.32	22.36	24.0	0.0	

Part27Q n78 Ant7 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				633334	3500.01		21.0	0.0	
Frequency (MHz)					3500.01				
100	PI/2 BPSK	1	1		20.29				
100	PI/2 BPSK	1	137		20.19				
100	PI/2 BPSK	1	271		19.64		20.5	0.5	
100	PI/2 BPSK	135	0		19.58				
100	PI/2 BPSK	135	66		20.24				
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				
100	QPSK	1	271		19.66				
100	QPSK	135	0		19.08		21.0	0.0	
100	QPSK	135	66		20.28				
100	QPSK	135	138		19.13				
100	QPSK	270	0		19.14				
100	16QAM	1	137		18.34		20.0	1.0	
100	64QAM	1	137		16.92				
100	256QAM	1	137		15.64				
100	256QAM	1	137		15.64				
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	20.29	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				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3547.52			
15	QPSK	1	19	20.02	20.20	20.12	21.0	0.0	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	12	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)				1865	1880	1895			
30	PI/2 BPSK	1	1	16.78	16.83	16.89	18.5	0.0	
30	PI/2 BPSK	1	80	16.86	16.82	16.96			
30	PI/2 BPSK	1	158	16.76	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	18.5	0.0	
30	PI/2 BPSK	160	0	16.91	17.01	16.77			
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	18.5	0.0	
30	QPSK	80	0	16.71	16.98	16.93			
30	QPSK	80	40	16.79	16.99	16.88			
30	QPSK	80	80	16.84	16.87	16.86	18.5	0.0	
30	QPSK	160	0	16.86	16.88	16.86	18.5	0.0	
30	16QAM	1	1	16.86	16.93	16.76			
30	64QAM	1	1	16.78	16.96	16.96			
30	256QAM	1	1	16.83	16.98	16.77	18.5	0.0	
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	16.69	16.88	16.92	18.5	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				371000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	16.98	16.98	16.81	18.5	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				370000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	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				836.5			24.0	0.0	
Frequency (MHz)				167300					
25	PI/2 BPSK	1	1		22.86				
25	PI/2 BPSK	1	64		22.83		23.5	0.5	
25	PI/2 BPSK	1	131		22.77				
25	PI/2 BPSK	64	0		22.38				
25	PI/2 BPSK	64	33		22.81		24.0	0.0	
25	PI/2 BPSK	64	65		22.37		23.5	0.5	
25	PI/2 BPSK	128	0		22.37				
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		23.0	1.0	
25	QPSK	128	0		21.84				
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	835.5	839	(dBm)	(dB)	
20	QPSK	1	1	22.84	22.74	22.82	24.0	0.0	
Channel				166300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				831.5	835.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.69	22.84	22.62	24.0	0.0	
Channel				165300	167300	168300	Tune-up limit	MPR	
Frequency (MHz)				829	835.5	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	835.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.64	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				164400	166300	167800	24.0	0.0
Frequency (MHz)				824	831.5	839		
20	PI/2 BPSK	1	1	22.70	22.89	22.78		
20	PI/2 BPSK	1	53	22.69	22.86	22.71	23.5	0.5
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48		
20	PI/2 BPSK	50	28	22.68	22.87	22.75	23.5	0.5
20	PI/2 BPSK	50	56	22.23	22.45	22.31		
20	PI/2 BPSK	100	0	22.32	22.51	22.37		
20	QPSK	1	1	22.76	22.94	22.81	24.0	0.0
20	QPSK	1	53	22.71	22.89	22.79		
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	22.79		
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		
20	64QAM	1	1	19.87	20.08	19.99		
20	256QAM	1	1	18.51	18.71	18.64	19.5	4.5
Channel				164300	166300	168300		
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	24.0	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	165300	167300	24.0	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	23.0	0.0
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		
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	21.15		
45	QPSK	1	1	21.32	21.39	21.27	23.0	0.0
45	QPSK	1	120	21.84	21.86	21.79		
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		
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		
45	64QAM	1	120	19.87	19.88	19.77		
45	256QAM	1	120	17.94	18.00	17.92	19.5	3.5
Channel				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	21.78	21.80	21.73	23.0	0.0
Channel				345500	349000	352500	23.0	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	23.0	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	23.0	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	21.81	21.73	21.73	23.0	0.0
Channel				344000	349000	354000	23.0	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	23.0	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	23.0	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	23.0	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	22.0	0.0
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		
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		
50	PI/2 BPSK	270	0	20.58	20.80	20.59		
50	QPSK	1	1	20.75	20.81	20.73	22.0	0.0
50	QPSK	1	135	20.67	20.74	20.65		
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		
50	QPSK	135	135	20.75	20.61	20.70		
50	QPSK	270	0	20.68	20.72	20.64	22.0	0.0
50	16QAM	1	1	20.62	20.80	20.58		
50	64QAM	1	1	20.25	20.28	20.21		
50	256QAM	1	1	18.31	18.36	18.33	19.5	2.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.73	20.65	20.55		
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2565		
30	QPSK	1	1	20.69	20.69	20.72		
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.65	20.79	20.76		
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	20.60	20.62	20.61		
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.72	20.67	20.72		
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.63	20.73	20.58		
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.68	20.73	20.56		

Part27Q n78 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				633334			22.0	0.0
Frequency (MHz)				3500.01				
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	66	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			22.0	0.0
100	QPSK	1	137	20.73				
100	QPSK	1	271	20.44				
100	QPSK	135	0	19.46			21.0	1.0
100	QPSK	135	66	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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	108	20.55	20.60	20.54	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	81	20.64	20.60	20.45	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	53	20.32	20.31	20.46	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	12	20.49	20.35	20.55	22.0	0.0

Part27Q n78 Ant2 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				633334	3500.01		20.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.48		20.0	0.0
100	PI/2 BPSK	1	137		18.44			
100	PI/2 BPSK	1	271		18.12		20.0	0.0
100	PI/2 BPSK	135	0		18.08			
100	PI/2 BPSK	135	69		18.01		20.0	0.0
100	PI/2 BPSK	135	138		18.08			
100	PI/2 BPSK	270	0		18.17		20.0	0.0
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			
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			
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	18.46	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	18.25	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				630334	633334	636334	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 ECI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dbm)	MPR (db)	
Channel				1865	1880	1895	21.0	0.0	
Frequency (MHz)				1865	1880	1895			
30	PI/2 BPSK	1	1	19.01	19.21	19.15	21.0	0.0	
30	PI/2 BPSK	1	80	19.04	19.17	19.16			
30	PI/2 BPSK	1	158	19.01	19.11	19.09			
30	PI/2 BPSK	80	0	18.98	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	18.83	18.79	18.77	20.5	0.5	
30	PI/2 BPSK	160	0	18.63	18.81	18.76			
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	20.0	1.0	
30	QPSK	160	0	18.16	18.33	18.28			
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	379500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1862.5	1880	1897.5	21.0	0.0	
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)				1860	1880	1890	21.0	0.0	
20	QPSK	1	1	19.04	19.18	19.14	21.0	0.0	
Channel				371500	376000	380500	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)				1855	1880	1895	21.0	0.0	
10	QPSK	1	1	19.02	19.20	19.11	21.0	0.0	
Channel				370500	376000	381500	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 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									
Frequency (MHz)				836.5					
25	PI/2 BPSK	1	1	23.09			24.0	0.0	
25	PI/2 BPSK	1	64	23.01					
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			23.5	0.5	
25	PI/2 BPSK	128	0	22.55					
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			23.0	1.0	
25	QPSK	128	0	22.02					
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	168800	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 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				346000	349000	351500	21.5	0.0
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	20.51	20.61	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	21.5	0.0
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57		
45	QPSK	1	243	19.91	19.99	19.94	20.5	1.0
45	QPSK	120	0	19.65	19.72	19.64		
45	QPSK	120	60	20.57	20.69	20.68		
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.78	19.74	20.5	1.0
45	16QAM	1	120	18.85	18.96	18.89		
45	64QAM	1	120	17.37	17.49	17.46		
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				348000	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				349000	349000	352500	Tune-up limit (dbm)	MPR (db)
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	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				344900	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	345000	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				343900	349000	354500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.53	20.64	20.61	21.5	0.0
Channel				343000	345000	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				342900	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 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				633334				
Frequency (MHz)				3500.01				
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	18.18				
100	PI/2 BPSK	135	0	18.09			20.0	0.0
100	PI/2 BPSK	135	66	18.94			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	66	18.51			20.0	0.0
100	QPSK	135	138	18.48				
100	QPSK	270	0	18.47			20.0	0.0
100	16QAM	1	137	18.38			20.0	0.0
100	64QAM	1	137	18.38			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				630500	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

BW [MHz]	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				
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	20.29			21.0	0.0
100	PI/2 BPSK	1	137	20.19				
100	PI/2 BPSK	1	271	19.64				
100	PI/2 BPSK	135	0	19.58				
100	PI/2 BPSK	135	69	20.24			20.5	0.5
100	PI/2 BPSK	135	138	19.68			21.0	0.0
100	PI/2 BPSK	270	0	19.59			20.5	0.5
100	QPSK	1	1	19.55			21.0	0.0
100	QPSK	1	137	20.30				
100	QPSK	1	271	19.66				
100	QPSK	135	0	19.08				
100	QPSK	135	69	20.28			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				
100	64QAM	1	137	16.92				
100	256QAM	1	137	15.64			18.5	2.5
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
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	20.29	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	20.09	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)				1865	1880	1895			
30	PI/2 BPSK	1	1	14.43	14.48	14.42	16.0	0.0	
30	PI/2 BPSK	1	80	14.48	14.30	14.27			
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	16.0	0.0	
30	PI/2 BPSK	160	0	14.30	14.46	14.31			
30	QPSK	1	1	14.43	14.48	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			
30	QPSK	80	40	14.35	14.46	14.30	16.0	0.0	
30	QPSK	80	80	14.33	14.31	14.28	16.0	0.0	
30	QPSK	160	0	14.40	14.43	14.40			
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				372500	376000	379500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	14.31	14.29	14.46	16.0	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	14.28	14.44	14.34	16.0	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880 <td>1902.5</td> <td>(dBm)</td> <th colspan="2">(dB)</th>	1902.5	(dBm)	(dB)	
15	QPSK	1	1	14.35	14.46	14.39	16.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855 <td>1880</td> <td>1905</td> <td>(dBm)</td> <th colspan="2">(dB)</th>	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	14.27	14.47	14.41	16.0	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5 <td>1880</td> <td>1907.5</td> <td>(dBm)</td> <th colspan="2">(dB)</th>	1880	1907.5	(dBm)	(dB)	
5	QPSK	1	1	14.36	14.46	14.46	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				836.5			24.0	0.0	
Frequency (MHz)				167300					
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				
25	PI/2 BPSK	64	33		22.81		23.5	0.5	
25	PI/2 BPSK	64	65		22.37		24.0	0.5	
25	PI/2 BPSK	128	0		22.37				
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		23.0	1.0	
25	QPSK	128	0		21.84				
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	836.5	839	(dBm)	(dB)	
20	QPSK	1	1	22.84	22.74	22.82	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				165300	167300	168300	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	22.64	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				164800	166300	167800	24.0	0.0
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	23.5	0.5
20	PI/2 BPSK	1	104	22.57	22.77	22.68		
20	PI/2 BPSK	50	0	22.38	22.56	22.48		
20	PI/2 BPSK	50	28	22.68	22.87	22.75	23.5	0.5
20	PI/2 BPSK	50	56	22.23	22.45	22.31		
20	PI/2 BPSK	100	0	22.32	22.51	22.37		
20	QPSK	1	1	22.76	22.94	22.81	24.0	0.0
20	QPSK	1	53	22.71	22.89	22.79		
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		
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		
20	64QAM	1	1	19.87	20.08	19.99		
20	256QAM	1	1	18.51	18.71	18.64	19.5	0.5
Channel				164300	166300	168300		
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	24.0	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.69	22.85	22.70	24.0	0.0
Channel				163300	165300	167300	24.0	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	20.0	0.0
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	18.60	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		
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		
45	QPSK	1	1	18.14	18.27	18.18	20.0	0.0
45	QPSK	1	120	18.77	18.66	18.82		
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		
45	QPSK	120	120	18.68	18.73	18.62		
45	QPSK	240	0	18.69	18.72	18.54	20.0	0.0
45	16QAM	1	120	18.69	18.68	18.57		
45	64QAM	1	120	18.63	18.66	18.55		
45	256QAM	1	120	17.75	17.89	17.79	19.5	0.5
Channel				346000	349000	352000	20.0	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	18.65	18.79	18.74	20.0	0.0
Channel				345500	349000	352500	20.0	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	18.69	18.73	18.61	20.0	0.0
Channel				345000	349000	353000	20.0	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	20.0	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	18.68	18.85	18.62	20.0	0.0
Channel				344000	349000	354000	20.0	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	20.0	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	18.78	18.78	18.64	20.0	0.0
Channel				343000	349000	355000	20.0	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	20.0	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	18.60	18.76	18.63	20.0	0.0

n7 Ant1 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				503000	507000	509000	21.0	0.0	
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	19.68	19.87	19.91			
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			
50	PI/2 BPSK	270	0	19.96	20.11	20.01			
50	QPSK	1	1	20.03	20.12	20.09	21.0	0.0	
50	QPSK	1	135	19.93	20.11	20.06			
50	QPSK	1	268	19.85	19.99	19.95			
50	QPSK	135	0	19.96	20.00	20.00	21.0	0.0	
50	QPSK	135	68	20.00	20.02	19.99			
50	QPSK	135	135	19.94	19.96	19.77			
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	21.0	0.0	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.89	19.93	20.07			
Channel				503000	507000	511000	21.0	0.0	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.63	19.95	20.02			
Channel				502500	507000	511500	21.0	0.0	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.86	19.93	19.98			
Channel				502000	507000	512000	21.0	0.0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	19.80	20.07	20.05			
Channel				501500	507000	512500	21.0	0.0	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.85	20.07	19.94			
Channel				501000	507000	513000	21.0	0.0	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.78	20.01	20.08			
Channel				500500	507000	513500	21.0	0.0	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.86	20.03	20.05			

Part27Q n78 Ant1 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				633334				
Frequency (MHz)				3500.01				
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				
100	PI/2 BPSK	135	69	20.68			21.5	0.5
100	PI/2 BPSK	135	138	19.95			22.0	0.0
100	PI/2 BPSK	270	0	19.92			21.5	0.5
100	QPSK	1	1	20.01				
100	QPSK	1	137	20.73				
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				
100	64QAM	1	137	18.07				
100	256QAM	1	137	16.06			19.5	2.5
Channel				633000	633334	633668	17.5	4.5
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	120	20.55	20.59	20.44	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	22.0	0.0
80	QPSK	1	108	20.55	20.60	20.54	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	22.0	0.0
70	QPSK	1	94	20.69	20.67	20.63	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	22.0	0.0
60	QPSK	1	81	20.64	20.60	20.45	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	22.0	0.0
50	QPSK	1	67	20.52	20.66	20.53	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	22.0	0.0
40	QPSK	1	53	20.32	20.31	20.46	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	22.0	0.0
30	QPSK	1	39	20.30	20.64	20.48	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	22.0	0.0
20	QPSK	1	25	20.49	20.68	20.52	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	22.0	0.0
15	QPSK	1	19	20.50	20.34	20.60	22.0	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	22.0	0.0
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				633334				
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				
100	QPSK	270	0	15.01			16.5	0.0
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
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. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1865	1880	1895	17.0		
Frequency (MHz)				15.17	15.26	15.28			
30	PI/2 BPSK	1	1	15.17	15.26	15.28	17.0	0.0	
30	PI/2 BPSK	1	80	15.11	15.37	15.36			
30	PI/2 BPSK	1	158	15.21	15.36	15.25	17.0	0.0	
30	PI/2 BPSK	80	0	15.13	15.37	15.27			
30	PI/2 BPSK	80	40	15.16	15.24	15.37	17.0	0.0	
30	PI/2 BPSK	80	80	15.09	15.38	15.17			
30	PI/2 BPSK	160	0	15.08	15.37	15.37	17.0	0.0	
30	QPSK	1	1	15.28	15.39	15.31			
30	QPSK	1	80	15.10	15.29	15.35	17.0	0.0	
30	QPSK	1	158	15.18	15.20	15.32			
30	QPSK	80	0	15.07	15.36	15.35	17.0	0.0	
30	QPSK	80	40	15.29	15.37	15.32			
30	QPSK	80	80	15.09	15.28	15.27	17.0	0.0	
30	QPSK	160	0	15.30	15.33	15.27			
30	16QAM	1	1	15.24	15.36	15.31	17.0	0.0	
30	64QAM	1	1	15.24	15.34	15.19			
30	256QAM	1	1	14.79	14.87	14.83	16.5	0.5	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	17.0		
25	QPSK	1	1	15.02	15.01	15.06	17.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	17.0		
20	QPSK	1	1	15.08	15.25	15.12	17.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	17.0		
15	QPSK	1	1	15.14	15.36	15.12	17.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1905	17.0		
10	QPSK	1	1	15.09	15.32	15.27	17.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	17.0		
5	QPSK	1	1	15.21	15.34	15.33	17.0	0.0	

n5 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				167300			24.0	0.0
Frequency (MHz)				836.5				
25	PI/2 BPSK	1	1		23.09		24.0	0.0
25	PI/2 BPSK	1	64		23.01			
25	PI/2 BPSK	1	131		22.98		23.5	0.5
25	PI/2 BPSK	64	0		22.57			
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			
25	QPSK	64	65		21.99		23.0	1.0
25	QPSK	128	0		22.02			
25	16QAM	1	1		21.71		23.0	1.0
25	64QAM	1	1		20.24			
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	168800	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 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				346500	349000	351500	21.5	0.0
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	20.55	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	PI/2 BPSK	240	0	20.04	20.13	20.08	21.5	0.0
45	QPSK	1	1	20.16	20.23	20.19		
45	QPSK	1	120	20.54	20.66	20.57		
45	QPSK	1	243	19.91	19.99	19.94	20.5	1.0
45	QPSK	120	0	19.65	19.72	19.64		
45	QPSK	120	60	20.57	20.65	20.68		
45	QPSK	120	120	19.66	19.70	19.67	20.5	1.0
45	QPSK	240	0	19.65	19.76	19.74	20.5	1.0
45	16QAM	1	120	18.85	18.96	18.89		
45	64QAM	1	120	17.37	17.49	17.46		
45	256QAM	1	120	15.97	16.08	16.00	17.0	4.5
Channel				348000	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				349000	349000	352500	Tune-up limit (dBm)	MPR (dB)
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	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				344900	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				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	20.53	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				342900	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 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				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	66		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		12.58		14.0	0.0
100	QPSK	1	271		12.08			
100	QPSK	135	0		12.45		14.0	0.0
100	QPSK	135	66		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	12.56	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	636334	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				630334	633334	636334	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								
BW [MHz]	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		16.5	0.0
Frequency (MHz)								
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			16.5	0.0
100	PI/2 BPSK	135	0	15.12				
100	PI/2 BPSK	135	69	14.95			16.5	0.0
100	PI/2 BPSK	135	138	14.99				
100	PI/2 BPSK	270	0	15.08			16.5	0.0
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				
100	QPSK	135	138	15.48			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				
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	15.60	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				630334	633334	636334	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				1865	1880	1895	23.0	0.0	
Frequency (MHz)									
30	PI/2 BPSK	1	1	21.27	21.35	21.32			
30	PI/2 BPSK	1	80	21.45	21.54	21.41			
30	PI/2 BPSK	1	158	21.47	21.50	21.46	22.5	0.5	
30	PI/2 BPSK	80	0	20.94	21.02	21.00			
30	PI/2 BPSK	80	40	21.47	21.52	21.46			
30	PI/2 BPSK	80	80	21.17	21.15	21.14			
30	PI/2 BPSK	160	0	21.13	21.11	21.05	23.0	0.0	
30	QPSK	1	1	21.40	21.57	21.41			
30	QPSK	1	80	21.38	21.48	21.33			
30	QPSK	1	158	21.38	21.52	21.48			
30	QPSK	80	0	20.47	20.50	20.39	23.0	0.0	
30	QPSK	80	40	21.55	21.56	21.48			
30	QPSK	80	80	20.48	20.54	20.56			
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			
30	256QAM	1	1	17.21	17.29	17.25			
Channel				372500	376000	379500	23.0	0.0	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	21.30	21.33	21.25		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		0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	21.40	21.47	21.22		0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	21.33	21.39	21.20		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				1732.5	1745	1757.5	23.0	0.0	
Frequency (MHz)									
45	PI/2 BPSK	1	1	21.18	21.28	21.22			
45	PI/2 BPSK	1	120	21.73	21.88	21.66			
45	PI/2 BPSK	1	243	21.38	21.43	21.36	22.5	0.5	
45	PI/2 BPSK	120	0	21.02	21.23	21.15			
45	PI/2 BPSK	120	60	21.69	21.84	21.86			
45	PI/2 BPSK	120	120	21.13	21.28	21.22			
45	PI/2 BPSK	240	0	21.16	21.31	21.15	23.0	0.0	
45	QPSK	1	1	21.06	21.21	21.12			
45	QPSK	1	120	21.79	21.88	21.71			
45	QPSK	1	243	21.23	21.39	21.36			
45	QPSK	120	0	20.50	20.68	20.61	23.0	0.0	
45	QPSK	120	60	21.87	21.93	21.84			
45	QPSK	120	120	20.71	20.76	20.66			
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			
45	256QAM	1	120	17.17	17.27	17.28			
Channel				348000	349000	352000	23.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	QPSK	1	108	21.81	21.86	21.75		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	349000	353000			
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	80	21.75	21.84	21.70		0.0	
Channel				344500	349000	353500			
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	64	21.67	21.90	21.65	23.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	53	21.75	21.84	21.59		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	349000	355000			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	26	21.70	21.89	21.70		0.0	
Channel				342500	349000	355500			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	12	21.69	21.67	21.58		0.0	

n2 Ant4 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dbm)	MPR (db)		
Channel				1865	1880	1895	24.0	0.0		
Frequency (MHz)				23.41	23.44	23.34				
30	PI/2 BPSK	1	1	23.41	23.44	23.34				
30	PI/2 BPSK	1	80	23.25	23.41	23.25	23.5	0.5		
30	PI/2 BPSK	1	158	23.28	23.32	23.25				
30	PI/2 BPSK	80	0	22.83	22.98	22.93				
30	PI/2 BPSK	80	40	23.45	23.44	23.29	24.0			
30	PI/2 BPSK	80	80	22.79	22.89	22.79				
30	PI/2 BPSK	160	0	22.89	22.96	22.98				
30	QPSK	1	1	23.41	23.47	23.42	24.0	0.0		
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	23.29	23.20				
30	QPSK	80	80	22.92	22.94	22.25				
30	QPSK	160	0	22.90	22.93	22.51	23.0			
30	16QAM	1	1	21.73	21.92	21.71				
30	64QAM	1	1	20.41	20.42	20.35				
30	256QAM	1	1	18.80	18.97	18.91	19.5			
Channel				372000	376000	379000				
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	23.30	23.33	23.25	24.0			
Channel				372000	376000	380000				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	23.31	23.39	23.36	24.0			
Channel				371000	376000	380000				
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	23.31	23.39	23.36	24.0			
Channel				371000	376000	381000				
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	23.43	23.38	23.42	24.0			
Channel				370000	376000	381000				
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	23.22	23.34	23.34	24.0			
Channel										
Frequency (MHz)										

n7 Ant4 NSA Default														
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 506000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 508000	Tune-up limit (dBm)	MPR (dB)						
Channel							24.0	0.0						
Frequency (MHz)														
50	PI/2 BPSK	1	1	22.80	22.83	22.62								
50	PI/2 BPSK	1	135	23.14	23.18	23.18	23.5	0.5						
50	PI/2 BPSK	1	268	22.65	22.85	22.70								
50	PI/2 BPSK	135	0	22.65	22.74	22.71								
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								
50	QPSK	1	1	22.82	22.88	22.71	24.0	0.0						
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								
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								
50	64QAM	1	135	20.04	20.26	20.08								
50	256QAM	1	135	18.82	18.88	18.71	19.5							
Channel										504000	507000	510000		
Frequency (MHz)										2520	2535	2550		
40	QPSK	1	108	22.92	23.01	22.88	24.0							
Channel										503000	507000	511000		
Frequency (MHz)										2515	2535	2555		
30	QPSK	1	80	22.89	23.02	23.01	24.0							
Channel										502000	507000	511500		
Frequency (MHz)										2512.5	2535	2557.5		
25	QPSK	1	64	22.89	23.02	23.01	24.0							
Channel										502000	507000	512000		
Frequency (MHz)										2510	2535	2560		
20	QPSK	1	53	22.89	23.02	23.01	24.0							
Channel										501500	507000	512500		
Frequency (MHz)										2507.5	2535	2562.5		
15	QPSK	1	40	22.89	23.02	23.01	24.0							
Channel										501000	507000	513000		
Frequency (MHz)										2505	2535	2565		
10	QPSK	1	26	22.89	23.02	23.01	24.0							
Channel										500500	507000	513500		
Frequency (MHz)										2502.5	2535	2567.5		
5	QPSK	1	12	22.89	23.02	23.01	24.0							
Channel														
Frequency (MHz)														

n66 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				346000	349000	351500	24.0	0.0
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		
45	PI/2 BPSK	120	60	22.71	22.76	22.68	23.5	0.5
45	PI/2 BPSK	120	120	21.91	22.08	22.06		
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		
45	QPSK	120	120	21.43	21.56	21.52		
45	QPSK	240	0	21.48	21.55	21.42	23.0	1.0
45	16QAM	1	120	21.05	21.05	21.04		
45	64QAM	1	120	19.54	19.57	19.55		
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				346900	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				344900	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				343900	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				342900	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. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1865	1880	1895			
Frequency (MHz)				21.27	21.35	21.32			
30	PI/2 BPSK	1	1	21.27	21.35	21.32	23.0	0.0	
30	PI/2 BPSK	1	80	21.45	21.54	21.41			
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	22.5	0.5	
30	PI/2 BPSK	160	0	21.13	21.11	21.05			
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	21.55	21.56	21.48	23.0	0.0	
30	QPSK	80	80	20.48	20.54	20.56	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				372000	376000	379000	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	21.30	21.33	21.25	23.0	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	21.29	21.35	21.21	23.0	0.0	
Channel				371000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	21.29	21.35	21.21	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	21.40	21.47	21.22	23.0	0.0	
Channel				370000	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
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. 346500	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1732.5	1745	1757.5			
Frequency (MHz)									
45	PI/2 BPSK	1	1	21.18	21.28	21.22	23.0	0.0	
45	PI/2 BPSK	1	120	21.73	21.88	21.66			
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	22.5	0.5	
45	PI/2 BPSK	240	0	21.16	21.31	21.15			
45	QPSK	1	1	21.06	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	21.67	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				346000	349000	352000	Tune-up limit	MPR	
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)	
40	QPSK	1	108	21.81	21.86	21.75	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	21.71	21.77	21.69	23.0	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	80	21.75	21.84	21.70	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	21.67	21.80	21.65	23.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	21.75	21.84	21.59	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	21.80	21.88	21.51	23.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	21.70	21.89	21.70	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	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. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel				1865	1880	1895	22.0	0.0
Frequency (MHz)				21.30	21.23	21.37		
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	0.0
30	PI/2 BPSK	80	0	21.16	21.33	21.23		
30	PI/2 BPSK	80	40	21.27	21.22	21.23		
30	PI/2 BPSK	80	80	21.24	21.15	21.19		
30	PI/2 BPSK	160	0	21.34	21.18	21.10	22.0	0.0
30	QPSK	1	1	21.36	21.41	21.39		
30	QPSK	1	80	21.21	21.29	21.30		
30	QPSK	1	158	21.32	21.15	21.27		
30	QPSK	80	0	21.28	21.34	21.28	22.0	0.0
30	QPSK	80	40	21.33	21.38	21.36		
30	QPSK	80	80	21.29	21.28	21.19		
30	QPSK	160	0	21.30	21.34	21.31		
30	16QAM	1	1	21.28	21.11	21.11	22.0	0.0
30	64QAM	1	1	20.85	20.88	20.96		
30	256QAM	1	1	18.92	18.92	18.84		
Channel				372000	376000	379000		
Frequency (MHz)				1862.5	1880	1897.5	22.0	0.0
25	QPSK	1	1	21.28	21.33	21.28		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900	22.0	0.0
20	QPSK	1	1	21.30	21.29	21.24		
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	21.35	21.36	21.32	22.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1905	1900	1905		
10	QPSK	1	1	21.22	21.19	21.39		
Channel				370500	376000	381500	22.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.23	21.29	21.31		
Channel				370000	376000	382000		

n7 Ant4 NSA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545	14.5	0.0
Frequency (MHz)				13.17	13.20	13.06		
50	PI/2 BPSK	1	1	13.17	13.20	13.06		
50	PI/2 BPSK	1	135	13.63	13.56	13.53	14.5	0.0
50	PI/2 BPSK	1	268	12.93	13.34	13.14		
50	PI/2 BPSK	135	0	13.46	13.66	13.52		
50	PI/2 BPSK	135	68	13.55	13.70	13.45		
50	PI/2 BPSK	135	135	13.65	13.70	13.47	14.5	0.0
50	PI/2 BPSK	270	0	13.52	13.66	13.68		
50	QPSK	1	1	13.13	13.25	13.01		
50	QPSK	1	135	13.46	13.74	13.32	14.5	0.0
50	QPSK	1	268	13.21	13.53	13.28		
50	QPSK	135	0	13.68	13.80	13.44		
50	QPSK	135	68	13.70	13.72	13.68		
50	QPSK	135	135	13.59	13.70	13.43	14.5	0.0
50	QPSK	270	0	13.53	13.62	13.47		
50	16QAM	1	1	13.04	13.15	13.13		
50	64QAM	1	1	13.51	13.66	13.60		
50	256QAM	1	1	13.65	13.70	13.68	14.5	0.0
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	13.34	13.65	13.45	14.5	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	13.36	13.50	13.33	14.5	0.0
Channel				502000	507000	511500		
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	13.41	13.54	13.50	14.5	0.0
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	13.52	13.65	13.41	14.5	0.0
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.52	13.61	13.48	14.5	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	13.33	13.31	13.53	14.5	0.0
Channel				500500	507000	513500		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.32	13.32	13.38		

n66 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				346500	349000	351500	22.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.56	20.57	20.65		
45	PI/2 BPSK	1	120	20.52	20.58	20.61	22.0	0.0
45	PI/2 BPSK	1	243	20.42	20.64	20.58		
45	PI/2 BPSK	120	0	20.58	20.66	20.51		
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		
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		
45	QPSK	120	120	20.58	20.62	20.54		
45	QPSK	240	0	20.57	20.61	20.60	22.0	0.0
45	16QAM	1	120	20.46	20.34	20.53		
45	64QAM	1	120	19.54	19.57	19.55		
45	256QAM	1	120	18.16	18.31	18.13	19.5	2.5
Channel				348000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.63	20.46	20.44		
Channel				349000	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.52	20.60	20.65		
Channel				345000	345000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	20.56	20.60	20.55		
Channel				344900	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	20.65	20.58	20.52		
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		
Channel				343900	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		
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		
Channel				342900	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		



ECI3 Power

n2 Ant0 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				373000	376000	379000	1865		
Frequency (MHz)				1865	1880	1895			
30	PI/2 BPSK	1	1	15.06	15.06	14.88	16.5	0.0	
30	PI/2 BPSK	1	80	14.92	14.83	15.06			
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	16.5	0.0	
30	PI/2 BPSK	160	0	14.95	14.90	14.92			
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	16.5	0.0	
30	QPSK	80	0	14.91	15.04	14.87			
30	QPSK	80	40	14.95	15.05	14.97			
30	QPSK	80	80	14.84	14.85	14.99	16.5	0.0	
30	QPSK	160	0	14.93	15.02	14.94	16.5	0.0	
30	16QAM	1	1	14.94	15.02	14.91			
30	64QAM	1	1	14.91	14.95	14.95			
30	256QAM	1	1	14.85	14.97	14.89	16.5	0.0	
Channel				372500	376000	379500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	14.86	14.93	14.90	16.5	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	14.96	15.06	15.00	16.5	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	14.79	14.97	14.82	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	14.78	14.91	14.94	16.5	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
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 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	18.08	18.17	18.13	20.0	0.0	
45	PI/2 BPSK	1	120	18.07	18.26	18.25			
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	20.0	0.0	
45	PI/2 BPSK	240	0	18.08	18.25	18.10			
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			
45	QPSK	120	60	18.62	18.72	18.65	20.0	0.0	
45	QPSK	120	120	18.51	18.65	18.52	20.0	0.0	
45	QPSK	240	0	18.61	18.65	18.64			
45	16QAM	1	120	18.22	18.23	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	18.69	18.5	1.5	
Channel				346000	349000	352000	Tune-up limit	MPR	
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)	
40	QPSK	1	108	18.67	18.74	18.55	20.0	0.0	
Channel				345500	349000	352500	Tune-up limit	MPR	
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	92	18.56	18.63	18.53	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	80	18.67	18.59	18.66	20.0	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	64	18.72	18.63	18.75	20.0	0.0	
Channel				341000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	18.58	18.72	18.77	20.0	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	18.58	18.76	18.60	20.0	0.0	
Channel				343000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	18.69	18.59	18.63	20.0	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
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.	Tune-up limit (dBm)	MPR (dB)	
Channel				373000	376000	379000	21.5	0.0	
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	21.5	0.0	
30	PI/2 BPSK	1	158	20.66	20.85	20.83			
30	PI/2 BPSK	80	0	20.68	20.73	20.66			
30	PI/2 BPSK	80	40	20.82	20.91	20.74	21.5	0.0	
30	PI/2 BPSK	80	80	20.78	20.82	20.72			
30	PI/2 BPSK	160	0	20.63	20.72	20.72			
30	QPSK	1	1	20.87	20.92	20.85	21.5	0.0	
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	0.0	
30	QPSK	80	40	20.74	20.87	20.78			
30	QPSK	80	80	20.78	20.79	20.74			
30	QPSK	160	0	20.79	20.85	20.81	21.5	0.0	
30	16QAM	1	1	20.75	20.78	20.78			
30	64QAM	1	1	20.83	20.78	20.78			
30	256QAM	1	1	18.72	18.77	18.69	19.5	2.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	21.5	0.0	
25	QPSK	1	1	20.85	20.88	20.79			
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	21.5	0.0	
20	QPSK	1	1	20.78	20.81	20.75			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	21.5	0.0	
15	QPSK	1	1	20.73	20.91	20.75			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	21.5	0.0	
10	QPSK	1	1	20.82	20.81	20.69			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	21.5	0.0	
5	QPSK	1	1	20.81	20.87	20.67			

n7 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				505000	507000	509000	14.0	0.0	
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	14.0	0.0	
50	PI/2 BPSK	1	268	12.31	12.38	12.31			
50	PI/2 BPSK	135	0	12.66	12.83	12.67			
50	PI/2 BPSK	135	68	12.79	12.87	12.59	14.0	0.0	
50	PI/2 BPSK	135	135	12.78	12.81	12.67			
50	PI/2 BPSK	270	0	12.82	12.84	12.56			
50	QPSK	1	1	12.49	12.53	12.51	14.0	0.0	
50	QPSK	1	135	12.82	12.69	12.77			
50	QPSK	1	268	12.33	12.43	12.38			
50	QPSK	135	0	12.62	12.78	12.60	14.0	0.0	
50	QPSK	135	68	12.75	12.83	12.74			
50	QPSK	135	135	12.68	12.76	12.68			
50	QPSK	270	0	12.80	12.81	12.73	14.0	0.0	
50	16QAM	1	135	12.74	12.77	12.66			
50	64QAM	1	135	12.67	12.65	12.56			
50	256QAM	1	135	12.64	12.62	12.70	14.0	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	14.0	0.0	
40	QPSK	1	108	12.81	12.86	12.73			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	14.0	0.0	
30	QPSK	1	80	12.70	12.84	12.81			
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	14.0	0.0	
25	QPSK	1	64	12.74	12.75	12.76			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	14.0	0.0	
20	QPSK	1	53	12.65	12.74	12.72			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	14.0	0.0	
15	QPSK	1	40	12.64	12.83	12.72			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	14.0	0.0	
10	QPSK	1	26	12.77	12.82	12.81			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	14.0	0.0	
5	QPSK	1	12	12.69	12.76	12.65			

n66 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				346000	349000	351500	21.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	19.02	19.17	19.17	21.0	0.0
45	PI/2 BPSK	1	120	19.14	19.18	19.10		
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	19.18	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	21.0	0.0
45	QPSK	1	1	19.05	19.20	19.04		
45	QPSK	1	120	19.55	19.57	19.51		
45	QPSK	1	243	19.41	19.52	19.47	21.0	0.0
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	19.49	19.43	21.0	0.0
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	19.42	19.41	19.53	21.0	0.0
Channel				349000	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	19.45	19.52	19.50	21.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	19.50	19.42	19.51	21.0	0.0
Channel				344900	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1757.5		
25	QPSK	1	64	19.43	19.53	19.49	21.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	19.45	19.51	19.48	21.0	0.0
Channel				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	19.40	19.54	19.55	21.0	0.0
Channel				342900	349000	355500	Tune-up limit (dBm)	MPR (dB)
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 Low Ch. / Freq 373000	Power Middle Ch. / Freq 376000	Power High Ch. / Freq 379000	Tune-up limit (dBm)	MPR (dB)	
Channel				1865	1880	1895			
Frequency (MHz)				21.27	21.35	21.32			
30	PI/2 BPSK	1	1	21.27	21.35	21.32	23.0	0.0	
30	PI/2 BPSK	1	80	21.45	21.54	21.41			
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	22.5	0.5	
30	PI/2 BPSK	160	0	21.13	21.11	21.05			
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	21.55	21.56	21.48	23.0	0.0	
30	QPSK	80	80	20.48	20.54	20.56	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				372000	376000	379000	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dBm)	(dB)	
25	QPSK	1	1	21.30	21.33	21.25	23.0	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)	
20	QPSK	1	1	21.29	21.35	21.21	23.0	0.0	
Channel				371000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)	
15	QPSK	1	1	21.29	21.35	21.21	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)	
10	QPSK	1	1	21.40	21.47	21.22	23.0	0.0	
Channel				370000	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)	
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 Low Ch. / Freq. 346500	Power Middle Ch. / Freq. 349000	Power High Ch. / Freq. 351500	Tune-up limit (dBm)	MPR (dB)	
Channel				1732.5	1745	1757.5			
Frequency (MHz)				21.18	21.28	21.22			
45	PI/2 BPSK	1	1	21.18	21.28	21.22	23.0	0.0	
45	PI/2 BPSK	1	120	21.73	21.88	21.66			
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	22.5	0.5	
45	PI/2 BPSK	240	0	21.16	21.31	21.15			
45	QPSK	1	1	21.06	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	21.93	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				346000	349000	352000	Tune-up limit	MPR	
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)	
40	QPSK	1	108	21.81	21.86	21.75	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	21.71	21.77	21.69	23.0	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	80	21.75	21.84	21.70	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	21.67	21.80	21.65	23.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	21.75	21.84	21.59	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	21.80	21.88	21.51	23.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	21.70	21.89	21.70	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	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. 373000	Power Middle Ch. / Freq. 376000	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)
Channel				1865	1880	1895	24.0	0.0
Frequency (MHz)				23.41	23.44	23.34		
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	23.5	0.5
30	PI/2 BPSK	80	0	22.83	22.98	22.83		
30	PI/2 BPSK	80	40	23.45	23.44	23.29		
30	PI/2 BPSK	80	80	22.79	22.86	22.79		
30	PI/2 BPSK	160	0	22.89	22.96	22.88	24.0	0.0
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	22.52	22.67	22.64	23.0	1.0
30	QPSK	80	40	23.07	23.29	23.20		
30	QPSK	80	80	22.32	22.34	22.25		
30	QPSK	160	0	22.50	22.53	22.51		
30	16QAM	1	1	21.73	21.92	21.71	23.0	1.0
30	64QAM	1	1	20.41	20.42	20.35		
30	256QAM	1	1	18.80	18.97	18.91		
Channel				372000	376000	379000		
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0
25	QPSK	1	1	23.30	23.33	23.25		
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900	24.0	0.0
20	QPSK	1	1	23.31	23.39	23.36		
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	23.31	23.39	23.36	24.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1905	1920	1905		
10	QPSK	1	1	23.43	23.38	23.42		
Channel				370000	376000	381000	24.0	0.0
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.22	23.34	23.34		

n7 Ant4 NSA ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 505000	Power Middle Ch. / Freq. 507000	Power High Ch. / Freq. 509000	Tune-up limit (dBm)	MPR (dB)
Channel				2525	2535	2545	24.0	0.0
Frequency (MHz)				22.80	22.83	22.62		
50	PI/2 BPSK	1	1	22.80	22.83	22.62		
50	PI/2 BPSK	1	135	23.14	23.18	23.18	23.5	0.5
50	PI/2 BPSK	1	268	22.65	22.65	22.70		
50	PI/2 BPSK	135	0	22.65	22.74	22.71		
50	PI/2 BPSK	135	68	23.26	23.30	23.10		
50	PI/2 BPSK	135	135	22.85	22.86	22.84	23.5	0.5
50	PI/2 BPSK	270	0	22.71	22.84	22.66		
50	QPSK	1	1	22.82	22.88	22.71		
50	QPSK	1	135	23.01	23.22	23.03	24.0	0.0
50	QPSK	1	268	22.87	22.90	22.87		
50	QPSK	135	0	22.22	22.31	22.11		
50	QPSK	135	68	23.31	23.34	23.19		
50	QPSK	135	135	22.17	22.26	22.11	23.0	1.0
50	QPSK	270	0	22.13	22.27	22.12		
50	16QAM	1	135	21.71	21.74	21.69		
50	64QAM	1	135	20.04	20.26	20.08		
50	256QAM	1	135	18.82	18.88	18.71	19.5	4.5
Channel				504000	507000	510000		
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	108	22.92	23.01	22.88	24.0	0.0
Channel				503000	507000	511000		
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	80	22.89	23.02	23.01		
Channel				502000	507000	511500	24.0	0.0
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	64	22.89	23.02	23.01		
Channel				502000	507000	512000		
Frequency (MHz)				2510	2535	2560	24.0	0.0
20	QPSK	1	53	22.89	23.02	23.01		
Channel				501500	507000	512500		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	40	22.89	23.02	23.01	24.0	0.0
Channel				501000	507000	513000		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	26	22.89	23.02	23.01		
Channel				500500	507000	513500	24.0	0.0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	12	22.89	23.02	23.01		

n66 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				346000	349000	351500	24.0	0.0
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		
45	PI/2 BPSK	120	60	22.71	22.76	22.68	23.5	0.5
45	PI/2 BPSK	120	120	21.91	22.08	22.06		
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		
45	QPSK	120	120	21.43	21.56	21.52		
45	QPSK	240	0	21.48	21.55	21.42	23.0	1.0
45	16QAM	1	120	21.05	21.05	21.04		
45	64QAM	1	120	19.54	19.57	19.55		
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				346900	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				344900	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				343900	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				342900	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	22.57	22.65	22.48	24.0	0.0
Channel								
Frequency (MHz)								



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				1865	1880	1895			
Frequency (MHz)				15.70	15.82	15.70			
30	PI/2 BPSK	1	1	15.70	15.82	15.70	17.5	0.0	
30	PI/2 BPSK	1	80	15.87	15.90	15.81			
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	15.88	17.5	0.0	
30	PI/2 BPSK	160	0	15.62	15.87	15.76			
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			
30	QPSK	80	40	15.95	16.07	15.96	17.5	0.0	
30	QPSK	80	80	15.87	15.88	15.78	17.5	0.0	
30	QPSK	160	0	15.97	16.01	15.99			
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	376000	379500	Tune-up limit	MPR	
Frequency (MHz)				1862.5	1880	1897.5	(dbm)	(db)	
25	QPSK	1	1	16.05	16.01	15.96	17.5	0.0	
Channel				372000	376000	380000	Tune-up limit	MPR	
Frequency (MHz)				1860	1880	1900	(dbm)	(db)	
20	QPSK	1	1	15.96	15.99	16.04	17.5	0.0	
Channel				371500	376000	380500	Tune-up limit	MPR	
Frequency (MHz)				1857.5	1880	1902.5	(dbm)	(db)	
15	QPSK	1	1	15.85	16.00	15.97	17.5	0.0	
Channel				371000	376000	381000	Tune-up limit	MPR	
Frequency (MHz)				1855	1880	1905	(dbm)	(db)	
10	QPSK	1	1	15.89	16.10	15.95	17.5	0.0	
Channel				370500	376000	381500	Tune-up limit	MPR	
Frequency (MHz)				1852.5	1880	1907.5	(dbm)	(db)	
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)				1712.5	1745	1737.5			
45	PI/2 BPSK	1	1	20.21	20.15	20.15	22.0	0.0	
45	PI/2 BPSK	1	120	20.05	20.16	20.12			
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	20.08	22.0	0.0	
45	PI/2 BPSK	120	120	20.03	20.25	20.16	22.0	0.0	
45	PI/2 BPSK	240	0	20.20	20.25	20.10			
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			
45	QPSK	120	60	20.74	20.79	20.75	22.0	0.0	
45	QPSK	120	120	20.11	20.33	20.12	22.0	0.0	
45	QPSK	240	0	20.17	20.75	20.20			
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	16.83	16.72	16.66	18.5	3.5	
Channel				345000	349000	352000	Tune-up limit	MPR	
Frequency (MHz)				1730	1745	1760	(dBm)	(dB)	
40	QPSK	1	108	20.70	20.78	20.65	22.0	0.0	
Channel				345500	349000	352500	Tune-up limit	MPR	
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)	
35	QPSK	1	92	20.66	20.75	20.68	22.0	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	80	20.73	20.81	20.72	22.0	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	64	20.80	20.78	20.75	22.0	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	53	20.69	20.68	20.60	22.0	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	40	20.79	20.80	20.81	22.0	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	26	20.71	20.81	20.76	22.0	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	12	20.80	20.80	20.60	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.	Tune-up limit (dBm)	MPR (dB)
Channel				373000	376000	379000	22.0	0.0
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	21.18	21.36	21.25		
30	PI/2 BPSK	1	80	21.27	21.32	21.30	22.0	0.0
30	PI/2 BPSK	1	158	21.33	21.34	21.26		
30	PI/2 BPSK	80	0	21.18	21.31	21.32		
30	PI/2 BPSK	80	40	21.37	21.28	21.17	22.0	0.0
30	PI/2 BPSK	80	80	21.37	21.27	21.20		
30	PI/2 BPSK	160	0	21.16	21.25	21.35		
30	QPSK	1	1	21.31	21.38	21.32	22.0	0.0
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	0.0
30	QPSK	80	40	21.23	21.25	21.25		
30	QPSK	80	80	21.21	21.26	21.20		
30	QPSK	160	0	21.22	21.26	21.27	22.0	0.0
30	16QAM	1	1	21.17	21.23	21.18		
30	64QAM	1	1	20.78	20.83	20.76		
30	256QAM	1	1	18.68	18.79	18.76	19.5	2.5
Channel				372000	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5	22.0	0.0
25	QPSK	1	1	21.30	21.33	21.25	22.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900	22.0	0.0
20	QPSK	1	1	21.13	21.32	21.15	22.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5	22.0	0.0
15	QPSK	1	1	21.20	21.26	21.21	22.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905	22.0	0.0
10	QPSK	1	1	21.18	21.31	21.27	22.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5	22.0	0.0
5	QPSK	1	1	21.22	21.22	21.31	22.0	0.0

n7 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				505000	507000	509000	18.0	0.0
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	18.0	0.0
50	PI/2 BPSK	1	268	16.76	16.73	16.70		
50	PI/2 BPSK	135	0	16.62	16.66	16.46		
50	PI/2 BPSK	135	68	16.79	16.83	16.68	18.0	0.0
50	PI/2 BPSK	135	135	16.65	16.73	16.48		
50	PI/2 BPSK	270	0	16.65	16.74	16.52		
50	QPSK	1	1	16.59	16.71	16.51	18.0	0.0
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	0.0
50	QPSK	135	68	17.09	17.19	17.14		
50	QPSK	135	135	17.11	17.16	17.12		
50	QPSK	270	0	17.13	17.15	17.09	18.0	0.0
50	16QAM	1	135	16.73	16.70	16.48		
50	64QAM	1	135	16.80	16.75	16.66		
50	256QAM	1	135	16.70	16.77	16.60	18.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550	18.0	0.0
40	QPSK	1	108	17.15	17.18	17.12	18.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555	18.0	0.0
30	QPSK	1	80	17.11	17.03	17.12	18.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5	18.0	0.0
25	QPSK	1	64	16.96	17.03	17.08	18.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560	18.0	0.0
20	QPSK	1	53	17.07	17.17	16.94	18.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0
15	QPSK	1	40	17.02	17.13	17.03	18.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565	18.0	0.0
10	QPSK	1	26	17.09	17.05	17.15	18.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5	18.0	0.0
5	QPSK	1	12	17.13	17.05	17.01	18.0	0.0

n66 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				346000	349000	351500	24.0	0.0
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		
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		
45	QPSK	1	120	22.68	22.69	22.49	24.0	0.0
45	QPSK	1	243	22.05	22.05	22.04	23.0	1.0
45	QPSK	120	0	21.36	21.55	21.33		
45	QPSK	120	60	22.67	22.77	22.75		
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				348000	349000	352000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760	24.0	0.0
40	QPSK	1	108	22.54	22.61	22.65		
Channel				349000	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0
35	QPSK	1	92	22.59	22.64	22.55		
Channel				345000	345000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765	24.0	0.0
30	QPSK	1	80	22.59	22.67	22.30		
Channel				344900	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0
25	QPSK	1	64	22.50	22.52	22.48		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770	24.0	0.0
20	QPSK	1	53	22.53	22.63	22.43		
Channel				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0
15	QPSK	1	40	22.61	22.61	22.37		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775	24.0	0.0
10	QPSK	1	26	22.57	22.61	22.35		
Channel				342900	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0
5	QPSK	1	12	22.57	22.65	22.48		



ECI7 Power

n2 Ant0 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	15.0	0.0
Frequency (MHz)				1865	1880	1895		
30	PI/2 BPSK	1	1	13.45	13.46	13.52		
30	PI/2 BPSK	1	80	13.37	13.53	13.53	15.0	0.0
30	PI/2 BPSK	1	158	13.41	13.38	13.53		
30	PI/2 BPSK	80	0	13.25	13.39	13.47		
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		
30	PI/2 BPSK	160	0	13.27	13.53	13.46		
30	QPSK	1	1	13.45	13.55	13.40	15.0	0.0
30	QPSK	1	80	13.39	13.45	13.38		
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		
30	QPSK	80	80	13.35	13.35	13.38		
30	QPSK	160	0	13.34	13.30	13.31	15.0	0.0
30	16QAM	1	1	13.46	13.53	13.52		
30	64QAM	1	1	13.46	13.53	13.47		
30	256QAM	1	1	13.42	13.36	13.48	15.0	0.0
Channel				372000	376000	379000		
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	13.31	13.36	13.29	15.0	0.0
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	13.43	13.45	13.37	15.0	0.0
Channel				371000	376000	380000		
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	13.53	13.54	13.52	15.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	13.50	13.52	13.52	15.0	0.0
Channel				370000	376000	381000		
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	13.43	13.53	13.52	15.0	0.0
Channel								
Frequency (MHz)								

n66 Ant0 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				346500	349000	351500	19.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	17.18	17.28	17.19		
45	PI/2 BPSK	1	120	17.25	17.38	17.13	19.0	0.0
45	PI/2 BPSK	1	243	17.11	17.28	17.20		
45	PI/2 BPSK	120	0	17.29	17.23	17.15		
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		
45	PI/2 BPSK	240	0	17.17	17.26	17.21		
45	QPSK	1	1	17.38	17.39	17.31	19.0	0.0
45	QPSK	1	120	17.82	17.85	17.81		
45	QPSK	1	243	17.70	17.77	17.75		
45	QPSK	120	0	17.88	17.72	17.69	19.0	0.0
45	QPSK	120	60	17.88	17.75	17.73		
45	QPSK	120	120	17.70	17.73	17.71		
45	QPSK	240	0	17.63	17.71	17.67	19.0	0.0
45	16QAM	1	120	17.31	17.31	17.21		
45	64QAM	1	120	17.10	17.31	17.28		
45	256QAM	1	120	16.82	16.87	16.85	18.5	0.5
Channel				345000	349000	353000		
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	17.68	17.82	17.69	19.0	0.0
Channel				345500	349000	352500		
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	17.76	17.70	17.73	19.0	0.0
Channel				343000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	80	17.81	17.82	17.81	19.0	0.0
Channel				344500	349000	353500		
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	64	17.87	17.69	17.65	19.0	0.0
Channel				341000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	17.83	17.74	17.82	19.0	0.0
Channel				343500	349000	354500		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	40	17.85	17.74	17.82	19.0	0.0
Channel				343000	349000	353000		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	17.71	17.77	17.70	19.0	0.0
Channel				342500	349000	355500		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	17.63	17.67	17.65	19.0	0.0
Channel								
Frequency (MHz)								



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	20.0	0.0	
Frequency (MHz)				1865	1880	1895			
30	PI/2 BPSK	1	1	19.33	19.37	19.28	20.0	0.0	
30	PI/2 BPSK	1	80	19.20	19.42	19.30			
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	19.28	20.0	0.0	
30	PI/2 BPSK	80	80	19.40	19.24	19.26	20.0	0.0	
30	PI/2 BPSK	160	0	19.31	19.43	19.26			
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	20.0	0.0	
30	QPSK	160	0	19.32	19.38	19.37			
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	18.86	18.74	19.5	0.5	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	20.0	0.0	
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	20.0	0.0	
20	QPSK	1	1	19.35	19.42	19.36			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	20.0	0.0	
15	QPSK	1	1	19.32	19.32	19.32			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	20.0	0.0	
10	QPSK	1	1	19.20	19.35	19.17			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	20.0	0.0	
5	QPSK	1	1	19.24	19.29	19.24			

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				505000	507000	509000	11.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	9.90	9.93	9.75	11.0	0.0	
50	PI/2 BPSK	1	135	9.92	9.99	9.82			
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	11.0	0.0	
50	PI/2 BPSK	270	0	9.98	10.06	9.92			
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	11.0	0.0	
50	QPSK	270	0	10.33	10.37	10.35			
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	9.95	9.83	11.0	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	11.0	0.0	
40	QPSK	1	108	10.40	10.42	10.40			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	11.0	0.0	
30	QPSK	1	80	10.43	10.50	10.40			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	11.0	0.0	
25	QPSK	1	64	10.38	10.35	10.28			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	11.0	0.0	
20	QPSK	1	53	10.44	10.46	10.38			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	11.0	0.0	
15	QPSK	1	40	10.38	10.37	10.45			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	11.0	0.0	
10	QPSK	1	26	10.47	10.49	10.39			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	11.0	0.0	
5	QPSK	1	12	10.47	10.37	10.37			

n66 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				346500	349000	351500	22.0	0.0
Frequency (MHz)				1732.5	1745	1757.5		
45	PI/2 BPSK	1	1	20.23	20.48	20.25	22.0	0.0
45	PI/2 BPSK	1	120	20.16	20.49	20.25		
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	22.0	0.0
45	QPSK	1	120	20.67	20.88	20.83		
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1730	1745	1760		
40	QPSK	1	108	20.77	20.75	20.72	22.0	0.0
Channel				345900	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	92	20.52	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	20.71	20.69	20.84	22.0	0.0
Channel				344900	349000	353500	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	53	20.79	20.83	20.82	22.0	0.0
Channel				343900	349000	354500	Tune-up limit (dBm)	MPR (dB)
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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	26	20.80	20.77	20.72	22.0	0.0
Channel				342900	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	12	20.71	20.62	20.71	22.0	0.0

Conducted Power for WLAN/Bluetooth

<2.4GHz WLAN>

Ant5			RF Full power Standalone for Extremity Standalone for Body-worn			Standalone for Head		Simultaneous for Extremity		Simultaneous for Head		Standalone for Hotspot Simultaneous for Body worn		Duty Cycle %
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	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	18.89	20.50	16.94	17.50	16.92	18.50	11.69	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	Not request	13.00	15.50	100%	
		6	2437	18.51	20.00	16.03	17.50	16.47	18.00					
		11	2462	16.02	17.50	15.43	17.00	16.02	17.50					
	802.11n-HT20 MCS0	2	2417	17.63	19.00	15.50	17.00	16.58	18.00	Not request	13.00	15.50	100%	
		1	2412	14.14	15.50	15.50	14.14	15.50						
		6	2437	18.66	20.00	Not request	17.50	16.71	18.50					
		11	2462	16.11	17.50		17.00	16.11	17.50					
		2	2417	16.36	18.00			17.00	16.36	18.00			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		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.66	19.50	Not request	15.00	12.00	17.00	16.57	18.50	14.00	100%	100%			
		40	5200	17.91	19.50		15.00	12.00	17.00	16.88	18.50	14.00					
		44	5220	17.96	19.50		15.00	12.00	17.00	17.02	18.50	14.00					
	802.11n-HT20 MCS0	48	5240	17.63	19.50		15.00	12.00	17.00	16.98	18.50	14.00	100%	100%			
		36	5180	17.56	19.00		15.00	12.00	Not request	17.00	18.50	14.00					
		40	5200	17.67	19.00		15.00	12.00	Not request	17.00	18.50	14.00					
	802.11n-HT40 MCS0	44	5220	17.79	19.00		15.00	12.00	Not request	17.00	18.50	14.00	100%	100%			
		48	5240	17.82	19.00		15.00	12.00	Not request	17.00	18.50	14.00					
		38	5190	15.71	17.00		15.00	12.00	15.71	17.00	Not request	14.00					
	802.11ac-VHT20 MCS0	46	5230	15.72	17.00		15.00	12.00	15.72	17.00	Not request	17.00	14.00	100%	100%		
		36	5180	17.61	19.00		15.00	12.00	17.61	19.00		14.00					
		40	5200	17.74	19.00		15.00	12.00	17.74	19.00		14.00					
	802.11ac-VHT40 MCS0	44	5220	17.83	19.00		15.00	12.00	17.83	19.00	Not request	17.00	14.00	100%	100%		
		48	5240	17.88	19.00		15.00	12.00	17.88	19.00		14.00					
		38	5190	15.73	17.00		15.00	12.00	15.73	17.00		14.00					
	802.11ac-VHT80 MCS0	42	5210	13.77	17.00		13.41	15.00	12.00	17.00	17.00	14.00	100%	100%			
		46	5230	15.89	15.50		13.41	15.00	10.38	12.00	15.50	15.50			12.47	14.00	

<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		Duty Cycle %
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	
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.39	20.00	16.00	13.00	16.50	17.32	19.00	15.00	100%	100%		
		56	5280	18.51	20.00	16.00	13.00	16.50	17.48	19.00	15.00				
		60	5300	18.46	20.00	16.00	13.00	16.50	17.38	19.00	15.00				
	802.11n-HT20 MCS0	64	5320	17.37	19.00	16.00	13.00	Not request	16.50	17.37	19.00	15.00	100%	100%	
		52	5260	18.26	19.50	16.00	13.00	Not request	16.50	19.00	15.00				
		56	5280	18.28	19.50	16.00	13.00	Not request	16.50	19.00	15.00				
	802.11n-HT40 MCS0	60	5300	18.37	19.50	16.00	13.00	Not request	16.50	19.00	15.00	100%	100%		
		64	5320	16.68	18.00	16.00	13.00	Not request	16.50	18.00	15.00				
		54	5270	16.23	17.50	16.00	13.00	16.23	17.50	17.50	15.00				
	802.11ac-VHT20 MCS0	62	5310	15.18	16.50	16.00	13.00	15.18	16.50	16.50	15.00	100%	100%		
		52	5260	18.31	20.00	16.00	13.00	Not request	16.50	19.00	15.00				
		56	5280	18.34	20.00	16.00	13.00	Not request	16.50	19.00	15.00				
	802.11ac-VHT40 MCS0	60	5300	18.41	20.00	16.00	13.00	Not request	16.50	19.00	15.00	100%	100%		
		64	5320	16.76	18.00	16.00	13.00	Not request	16.50	18.00	15.00				
		54	5270	16.29	17.50	16.00	13.00	Not request	16.50	17.50	15.00				
	802.11ac-VHT80 MCS0	62	5310	15.26	16.50	16.00	13.00	16.50	16.50	15.00	100%	100%			
		58	5290	14.72	16.50	14.27	16.00	11.22	13.00	16.50			16.50	13.35	15.00

<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			
5.0GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11a 6Mbps	100	5500	17.63	19.00	Not request	17.00	Not request	13.50	Not request	15.50	14.00	10.00	100%	100%	100%
		116	5580	17.61	19.00		17.00		13.50							
		124	5620	17.62	19.00		17.00		13.50							
		132	5660	17.56	19.00		17.00		13.50							
		140	5700	15.55	17.00		17.00		13.50							
		144	5720	17.58	19.00		17.00		13.50							
		100	5500	17.40	19.00		17.00		13.50							
		116	5580	17.27	19.00		17.00		13.50							
		124	5620	17.44	19.00		17.00		13.50							
		132	5660	17.37	19.00		17.00		13.50							
	802.11n-HT20 MCS0	140	5700	14.45	16.00		16.00		13.50							
		144	5720	17.35	19.00		17.00		13.50							
		102	5510	15.33	17.00		17.00		13.50							
		110	5550	15.37	17.00		15.37	17.00	13.50							
		802.11n-HT40 MCS0	126	5630	15.34		17.00	15.34	17.00		13.50					
			134	5670	15.37		17.00	15.37	17.00		13.50					
			142	5710	15.43		17.00	15.43	17.00		13.50					
			100	5500	17.46		19.00	17.00	13.50							
			116	5580	17.32		19.00	17.00	13.50							
			802.11ac-VHT20 MCS0	124	5620	17.48	19.00	17.00	13.50							
132	5660			17.43	19.00	17.00	13.50									
140	5700			14.51	16.00	16.00	13.50									
144	5720			17.38	19.00	17.00	13.50									
802.11ac-VHT40 MCS0	102			5510	15.41	17.00	17.00	13.50								
	110	5550		15.43	17.00	15.43	17.00	13.50								
	126	5630		15.39	17.00	15.39	17.00	13.50								
	134	5670		15.41	17.00	15.41	17.00	13.50								
	802.11ac-VHT80 MCS0	142		5710	14.58	16.00	16.00	13.50								
		106		5530	14.05	15.50	15.50	12.00	14.05	12.51	14.05	8.52				
		122	5510	14.28	15.50	15.50	12.27	14.28	15.50	12.72	14.00	8.71				
		138	5680	14.23	15.50	15.50	12.20	13.50	14.23	15.50	12.68	14.00	8.73			

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	14.64	12.68	12.57
	CH 75	2480	14.22	12.36	12.30
Tune-up Limit			15.5	14	14

BLE 1M			Full		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
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)		
LE	CH 00	2402	1.59		
	CH 19	2440	2.61		
	CH 39	2480	1.04		
Tune-up Limit			3		