

Full Power Mode for WWAN

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	124	180	251	528	180	251	
Frequency (MHz)	824.2	835.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	31.89	32.10	32.05	33.50	22.89	23.10	23.05	24.50
GPRS 1 Tx slot	31.88	32.11	31.99	33.50	22.88	23.11	22.99	24.50
GPRS 2 Tx slots	30.99	31.24	31.19	32.00	24.99	25.24	25.19	26.00
GPRS 3 Tx slots	29.11	29.36	29.20	30.50	24.85	25.10	24.94	26.24
GPRS 4 Tx slots	27.80	28.10	28.05	29.00	24.80	25.10	25.05	26.00
EDGE 1 Tx slot	26.45	26.49	26.61	27.50	17.45	17.49	17.61	18.50
EDGE 2 Tx slots	25.25	25.29	25.38	26.50	19.25	19.29	19.38	20.50
EDGE 3 Tx slots	23.10	23.12	23.24	24.50	18.84	18.88	18.98	20.24
EDGE 4 Tx slots	21.86	22.03	22.12	23.00	18.88	19.03	19.12	20.00

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	661	810	512	661	810	
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GSM 1 Tx slot	29.37	29.32	29.29	30.50	20.37	20.32	20.29	21.50
GPRS 1 Tx slot	28.35	28.30	28.24	30.50	20.15	20.30	20.24	21.50
GPRS 2 Tx slots	28.38	28.41	28.35	29.50	22.38	22.41	22.35	23.50
GPRS 3 Tx slots	28.49	28.38	28.42	27.50	22.23	22.12	22.16	23.24
GPRS 4 Tx slots	25.21	25.11	25.14	26.00	22.21	22.11	22.14	23.00
EDGE 1 Tx slot	25.94	25.76	25.62	27.00	18.94	18.76	18.62	18.00
EDGE 2 Tx slots	24.80	24.56	24.43	26.00	18.80	18.56	18.43	20.00
EDGE 3 Tx slots	22.58	22.39	22.26	23.50	18.32	18.13	18.00	19.24
EDGE 4 Tx slots	21.03	20.90	20.89	22.00	18.03	17.90	17.89	19.00

Band	WCDMA 8_Ant 0				Tune-up Limit (dBm)	WCDMA 1V_Ant 0				Tune-up Limit (dBm)	WCDMA V_Ant 0				Tune-up Limit (dBm)
	TX Channel	9262	9400	9538		1312	1413	1513	4132		4182	4233			
Rx Channel	9262	9400	9538		1537	1638	1738		4267	4407	4458				
Frequency (MHz)	1852.4	1860	1907.6		1712	1724.5	1767.8		4267	4407	4458				
3GPP Rel 99	AMR 12.2Kbps	22.78	22.84	22.80	24.00	22.98	23.01	22.88	24.00	22.42	22.62	22.55	24.00		
3GPP Rel 99	RM-C 12.2Kbps	22.80	22.85	22.81	24.00	23.00	23.04	22.89	24.00	22.43	22.64	22.57	24.00		
3GPP Rel 6	HSDPA Subtest-1	21.66	21.82	21.81	23.00	21.90	21.97	21.93	23.00	21.43	21.60	21.52	23.00		
3GPP Rel 6	HSDPA Subtest-2	21.85	21.80	21.85	23.00	21.99	22.09	21.99	23.00	21.59	21.54	21.50	23.00		
3GPP Rel 6	HSDPA Subtest-3	21.16	21.18	21.20	22.50	21.47	21.54	21.52	22.50	21.00	21.01	21.00	22.50		
3GPP Rel 6	HSDPA Subtest-4	21.12	21.38	21.02	22.50	21.29	21.66	21.27	22.50	20.91	21.18	20.90	22.50		
3GPP Rel 6	DC-HSDPA Subtest-1	21.70	21.91	21.69	23.00	21.98	22.10	21.89	23.00	21.48	21.67	21.40	23.00		
3GPP Rel 6	DC-HSDPA Subtest-2	21.63	21.86	21.92	23.00	21.98	21.96	22.11	23.00	21.47	21.60	21.64	23.00		
3GPP Rel 6	DC-HSDPA Subtest-3	21.08	21.43	21.27	22.50	21.50	21.56	21.49	22.50	20.95	21.15	21.02	22.50		
3GPP Rel 6	DC-HSDPA Subtest-4	21.25	21.49	21.11	22.50	21.55	21.60	21.29	22.50	21.07	21.20	20.91	22.50		
3GPP Rel 6	HSUPA Subtest-1	21.63	21.77	21.44	23.00	21.80	22.05	21.83	23.00	21.39	21.51	21.27	23.00		
3GPP Rel 6	HSUPA Subtest-2	19.82	19.62	19.67	21.00	20.02	19.87	19.82	21.00	19.55	19.47	19.39	21.00		
3GPP Rel 6	HSUPA Subtest-3	20.45	20.64	20.59	22.00	20.80	20.89	20.87	22.00	20.29	20.46	20.47	22.00		
3GPP Rel 6	HSUPA Subtest-4	19.65	19.61	19.65	21.00	19.67	19.94	19.90	21.00	19.46	19.43	19.52	21.00		
3GPP Rel 6	HSUPA Subtest-5	21.59	22.01	21.92	23.00	21.89	22.13	22.19	23.00	21.48	21.76	21.63	23.00		
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.99	19.00	19.01	20.50	19.15	19.32	19.32	20.50	18.78	18.89	18.88	20.50		

Band 2 Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.32	22.40	22.35			24	0	
20	QPSK	1	49	22.30	22.38	22.23					
20	QPSK	1	99	22.21	22.32	22.22					
20	QPSK	50	0	21.30	21.34	21.26			23	1	
20	QPSK	50	24	21.21	21.29	21.15					
20	QPSK	50	50	21.21	21.32	21.30					
20	QPSK	100	0	21.35	21.37	21.34			23	1	
20	16QAM	1	0	21.53	21.56	21.42					
20	16QAM	1	49	21.37	21.45	21.43					
20	16QAM	1	99	21.42	21.50	21.35			22	2	
20	16QAM	50	0	20.37	20.54	20.49					
20	16QAM	50	24	20.42	20.46	20.40					
20	16QAM	50	50	20.29	20.39	20.33			22	2	
20	16QAM	100	0	20.53	20.65	20.53					
20	64QAM	1	0	20.53	20.57	20.47					
20	64QAM	1	49	20.40	20.45	20.41			22	2	
20	64QAM	1	99	20.36	20.48	20.32					
20	64QAM	50	0	19.38	19.47	19.51					
20	64QAM	50	24	19.35	19.44	19.29			21	3	
20	64QAM	50	50	19.30	19.38	19.32					
20	64QAM	100	0	19.32	19.49	19.41					
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.39	22.25	22.30			24	0	
15	QPSK	1	37	22.27	22.35	22.11					
15	QPSK	1	74	22.12	22.16	22.08					
15	QPSK	36	0	21.23	21.19	21.17			23	1	
15	QPSK	36	20	21.16	21.16	21.07					
15	QPSK	36	39	21.17	21.20	21.18					
15	QPSK	75	0	21.32	21.20	21.31			23	1	
15	16QAM	1	0	21.38	21.52	21.25					
15	16QAM	1	37	21.23	21.27	21.35					
15	16QAM	1	74	21.32	21.33	21.18			22	2	
15	16QAM	36	0	20.28	20.49	20.33					
15	16QAM	36	20	20.40	20.39	20.25					
15	16QAM	36	39	20.22	20.30	20.29			22	2	
15	16QAM	75	0	20.45	20.48	20.41					
15	64QAM	1	0	20.51	20.40	20.37					
15	64QAM	1	37	20.34	20.37	20.25			22	2	
15	64QAM	1	74	20.29	20.44	20.18					
15	64QAM	36	0	19.35	19.40	19.40					
15	64QAM	36	20	19.18	19.38	19.22			21	3	
15	64QAM	36	39	19.16	19.25	19.23					
15	64QAM	75	0	19.22	19.39	19.26					
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.32	22.26	22.20			24	0	
10	QPSK	1	25	22.19	22.26	22.18					
10	QPSK	1	49	22.14	22.15	22.06					
10	QPSK	25	0	21.21	21.28	21.21			23	1	
10	QPSK	25	12	21.06	21.20	21.09					
10	QPSK	25	25	21.05	21.23	21.24					
10	QPSK	50	0	21.32	21.24	21.29			23	1	
10	16QAM	1	0	21.35	21.46	21.37					
10	16QAM	1	25	21.33	21.40	21.39					
10	16QAM	1	49	21.35	21.37	21.33			22	2	
10	16QAM	25	0	20.32	20.45	20.46					
10	16QAM	25	12	20.38	20.29	20.35					
10	16QAM	25	25	20.16	20.29	20.15			22	2	
10	16QAM	50	0	20.46	20.56	20.39					
10	64QAM	1	0	20.37	20.50	20.31					
10	64QAM	1	25	20.33	20.28	20.24			22	2	
10	64QAM	1	49	20.33	20.46	20.27					
10	64QAM	25	0	19.28	19.47	19.32					
10	64QAM	25	12	19.20	19.27	19.19			21	3	
10	64QAM	25	25	19.16	19.32	19.21					
10	64QAM	50	0	19.21	19.34	19.30					
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.37	22.24	22.22			24	0	
5	QPSK	1	12	22.29	22.30	22.07					
5	QPSK	1	24	22.17	22.15	22.08					
5	QPSK	12	0	21.28	21.17	21.13			23	1	
5	QPSK	12	7	21.16	21.26	21.01					
5	QPSK	12	13	21.06	21.26	21.20					
5	QPSK	25	0	21.30	21.33	21.21			23	1	
5	16QAM	1	0	21.45	21.53	21.38					
5	16QAM	1	12	21.21	21.43	21.32					
5	16QAM	1	24	21.30	21.37	21.24			22	2	
5	16QAM	12	0	20.29	20.46	20.40					
5	16QAM	12	7	20.27	20.37	20.35					
5	16QAM	12	13	20.17	20.25	20.18			22	2	
5	16QAM	25	0	20.48	20.51	20.38					
5	64QAM	1	0	20.44	20.47	20.34					
5	64QAM	1	12	20.24	20.28	20.21			22	2	
5	64QAM	1	24	20.21	20.31	20.30					
5	64QAM	12	0	19.28	19.47	19.36					
5	64QAM	12	7	19.25	19.34	19.12			21	3	
5	64QAM	12	13	19.26	19.31	19.17					
5	64QAM	25	0	19.29	19.40	19.28					
Channel											
Frequency (MHz)											
3	QPSK	1	0	22.39	22.31	22.31			24	0	
3	QPSK	1	8	22.24	22.34	22.09					
3	QPSK	1	14	22.16	22.23	22.12					
3	QPSK	8	0	21.14	21.19	21.22			23	1	
3	QPSK	8	4	21.13	21.15	21.08					
3	QPSK	8	7	21.13	21.20	21.17					
3	QPSK	15	0	21.28	21.22	21.27			23	1	
3	16QAM	1	0	21.37	21.46	21.40					
3	16QAM	1	8	21.27	21.32	21.35					
3	16QAM	1	14	21.39	21.37	21.21			22	2	
3	16QAM	8	0	20.25	20.37	20.44					
3	16QAM	8	4	20.26	20.42	20.31					
3	16QAM	8	7	20.17	20.27	20.22			21	3	
3	16QAM	15	0	20.43	20.51	20.45					
3	64QAM	1	0	20.38	20.41	20.36					
3	64QAM	1	8	20.28	20.33	20.28			22	2	
3	64QAM	1	14	20.32	20.35	20.28					
3	64QAM	8	0	19.33	19.46	19.45					
3	64QAM	8	4	19.26	19.38	19.26			21	3	
3	64QAM	8	7	19.16	19.25	19.25					
3	64QAM	15	0	19.25	19.42	19.29					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	22.28	22.24	22.25			24	0	
1.4	QPSK	1	3	22.13	22.12	22.12					
1.4	QPSK	1	5	22.05	22.25	22.19					
1.4	QPSK	3	0	22.15	22.31	22.08			23	1	
1.4	QPSK	3	1	22.14	22.16	22.01					
1.4	QPSK	3	3	22.11	22.27	22.27					
1.4	QPSK	6	0	21.25	21.25	21.25			22	2	
1.4	16QAM	1	0	21.48	21.41	21.40					
1.4	16QAM	1	3	21.33	21.32	21.39					
1.4	16QAM	1	5	21.30	21.38	21.18			22	2	
1.4	16QAM	3	0	21.28	21.39	21.35					
1.4	16QAM	3	1	21.37	21.36	21.27					
1.4	16QAM	3	3	21.31	21.37	21.27			22	2	
1.4	16QAM	6	0	20.43	20.51	20.38					
1.4	64QAM	1	0	20.41	20.39	20.35					
1.4	64QAM	1	3	20.36	20.28	20.23			22	2	
1.4	64QAM	1	5	20.25	20.40	20.28					
1.4	64QAM	3	0	20.37	20.42	20.38					
1.4	64QAM	3	1	20.26	20.42	20.26			21	3	
1.4	64QAM	3	3	20.20	20.32	20.29					
1.4	64QAM	6	0	19.29	19.42	19.30					

Band 12 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23090	23095	23100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				700.5	707.5	711.5			
10	QPSK	1	0	22.27	22.44	22.32	24	0	
10	QPSK	1	25	22.18	22.32	22.27			
10	QPSK	1	49	22.15	22.26	22.13			
10	QPSK	25	0	21.40	21.46	21.38			
10	QPSK	25	12	21.27	21.36	21.22	23	1	
10	QPSK	25	25	21.23	21.41	21.31			
10	QPSK	50	0	21.32	21.47	21.35			
10	16QAM	1	0	21.51	21.68	21.64			
10	16QAM	1	25	21.51	21.62	21.45	23	1	
10	16QAM	1	49	21.49	21.58	21.47			
10	16QAM	25	0	20.47	20.56	20.47			
10	16QAM	25	12	20.33	20.47	20.41			
10	16QAM	25	25	20.31	20.42	20.37	22	2	
10	16QAM	50	0	20.47	20.54	20.40			
10	64QAM	1	0	20.61	20.66	20.62			
10	64QAM	1	25	20.32	20.48	20.32			
10	64QAM	1	49	20.49	20.51	20.41	22	2	
10	64QAM	25	0	19.47	19.55	19.47			
10	64QAM	25	12	19.40	19.43	19.39			
10	64QAM	25	25	19.31	19.38	19.32			
10	64QAM	50	0	19.46	19.56	19.40	21	3	
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.11	22.32	22.23	24	0	
5	QPSK	1	12	22.04	22.25	22.19			
5	QPSK	1	24	22.02	22.11	22.08			
5	QPSK	12	0	21.31	21.35	21.21			
5	QPSK	12	7	21.17	21.26	21.11	23	1	
5	QPSK	12	13	21.19	21.35	21.14			
5	QPSK	25	0	21.27	21.31	21.25			
5	16QAM	1	0	21.35	21.64	21.51			
5	16QAM	1	12	21.39	21.53	21.35	23	1	
5	16QAM	1	24	21.32	21.46	21.44			
5	16QAM	12	0	20.30	20.53	20.32			
5	16QAM	12	7	20.29	20.31	20.32			
5	16QAM	12	13	20.28	20.26	20.22	22	2	
5	16QAM	25	0	20.41	20.52	20.24			
5	64QAM	1	0	20.55	20.49	20.45			
5	64QAM	1	12	20.27	20.30	20.28			
5	64QAM	1	24	20.32	20.48	20.29	21	3	
5	64QAM	12	0	19.33	19.45	19.41			
5	64QAM	12	7	19.26	19.30	19.30			
5	64QAM	12	13	19.27	19.26	19.18			
5	64QAM	25	0	19.39	19.41	19.30	Tune-up limit (dBm)	MPR (dB)	
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.20	22.32	22.22	24	0	
3	QPSK	1	8	22.14	22.26	22.14			
3	QPSK	1	14	22.10	22.16	22.07			
3	QPSK	8	0	21.38	21.43	21.35			
3	QPSK	8	4	21.19	21.31	21.12	23	1	
3	QPSK	8	7	21.08	21.25	21.13			
3	QPSK	15	0	21.27	21.37	21.32			
3	16QAM	1	0	21.45	21.64	21.52			
3	16QAM	1	8	21.45	21.60	21.30	23	1	
3	16QAM	1	14	21.33	21.56	21.32			
3	16QAM	8	0	20.33	20.51	20.35			
3	16QAM	8	4	20.28	20.32	20.33			
3	16QAM	8	7	20.25	20.27	20.26	22	2	
3	16QAM	15	0	20.31	20.41	20.35			
3	64QAM	1	0	20.47	20.52	20.53			
3	64QAM	1	8	20.26	20.32	20.15			
3	64QAM	1	14	20.47	20.34	20.32	21	3	
3	64QAM	8	0	19.34	19.45	19.31			
3	64QAM	8	4	19.38	19.33	19.31			
3	64QAM	8	7	19.15	19.24	19.15			
3	64QAM	15	0	19.38	19.41	19.29	Tune-up limit (dBm)	MPR (dB)	
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.23	22.29	22.18	24	0	
1.4	QPSK	1	3	22.09	22.30	22.10			
1.4	QPSK	1	5	22.12	22.08	22.04			
1.4	QPSK	3	0	22.36	22.31	22.21			
1.4	QPSK	3	1	22.21	22.30	22.10	23	1	
1.4	QPSK	3	3	22.19	22.38	22.15			
1.4	QPSK	6	0	21.21	21.31	21.29			
1.4	16QAM	1	0	21.36	21.52	21.54			
1.4	16QAM	1	3	21.36	21.47	21.35	23	1	
1.4	16QAM	1	5	21.37	21.41	21.45			
1.4	16QAM	3	0	21.29	21.45	21.42			
1.4	16QAM	3	1	21.19	21.41	21.25			
1.4	16QAM	3	3	21.26	21.35	21.28	22	2	
1.4	16QAM	6	0	20.34	20.41	20.26			
1.4	64QAM	1	0	20.56	20.53	20.54			
1.4	64QAM	1	3	20.20	20.34	20.18			
1.4	64QAM	1	5	20.46	20.37	20.28	22	2	
1.4	64QAM	3	0	20.43	20.47	20.36			
1.4	64QAM	3	1	20.25	20.32	20.24			
1.4	64QAM	3	3	20.28	20.35	20.20			
1.4	64QAM	6	0	19.31	19.53	19.24	21	3	

Band 13 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				23200	23230	23250	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				762	762	764			
10	QPSK	1	0		22.51		24	0	
10	QPSK	1	25		22.37				
10	QPSK	1	49		22.31				
10	QPSK	25	0		21.47		23	1	
10	QPSK	25	12		21.42				
10	QPSK	25	25		21.41				
10	QPSK	50	0		21.56		23	1	
10	16QAM	1	0		21.67				
10	16QAM	1	25		21.59				
10	16QAM	1	49		21.68		22	2	
10	16QAM	25	0		20.39				
10	16QAM	25	12		20.42				
10	16QAM	25	25		20.35		22	2	
10	16QAM	50	0		20.51				
10	64QAM	1	0		20.62				
10	64QAM	1	25		20.47		22	2	
10	64QAM	1	49		20.53				
10	64QAM	25	0		19.47				
10	64QAM	25	12		19.36		21	3	
10	64QAM	25	25		19.32				
10	64QAM	50	0		19.62				
Channel				23205	23230	23255	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	22.39	22.45	22.46	24	0	
5	QPSK	1	12	22.26	22.24	22.19			
5	QPSK	1	24	22.26	22.23	22.18			
5	QPSK	12	0	21.30	21.34	21.33	23	1	
5	QPSK	12	7	21.34	21.33	21.41			
5	QPSK	12	13	21.26	21.29	21.33			
5	QPSK	25	0	21.50	21.39	21.39	23	1	
5	16QAM	1	0	21.57	21.47	21.59			
5	16QAM	1	12	21.44	21.47	21.43			
5	16QAM	1	24	21.58	21.54	21.58	22	2	
5	16QAM	12	0	20.34	20.21	20.37			
5	16QAM	12	7	20.28	20.30	20.36			
5	16QAM	12	13	20.16	20.26	20.25	22	2	
5	16QAM	25	0	20.48	20.32	20.40			
5	64QAM	1	0	20.55	20.51	20.44			
5	64QAM	1	12	20.42	20.39	20.27	22	2	
5	64QAM	1	24	20.34	20.42	20.47			
5	64QAM	12	0	19.38	19.44	19.36			
5	64QAM	12	7	19.24	19.33	19.29	21	3	
5	64QAM	12	13	19.26	19.13	19.29			
5	64QAM	25	0	19.54	19.43	19.59			

Band 17 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				23760	23790	23800				
Frequency (MHz)				709	710	711				
10	QPSK	1	0	22.22	22.38	22.27	24	0		
10	QPSK	1	25	22.18	22.22	22.13				
10	QPSK	1	49	22.15	22.30	22.13				
10	QPSK	25	0	21.20	21.27	21.22	23	1		
10	QPSK	25	12	21.05	21.20	21.12				
10	QPSK	25	25	21.10	21.18	21.04				
10	QPSK	50	0	21.15	21.23	21.18	23	1		
10	16QAM	1	0	21.38	21.53	21.44				
10	16QAM	1	25	21.32	21.44	21.29				
10	16QAM	1	49	21.30	21.40	21.34	22	2		
10	16QAM	25	0	20.24	20.35	20.33				
10	16QAM	25	12	20.25	20.31	20.15				
10	16QAM	25	25	20.08	20.23	20.15	21	3		
10	16QAM	50	0	20.25	20.33	20.28				
10	16QAM	1	0	20.34	20.51	20.41				
10	64QAM	1	25	20.40	20.46	20.31	22	2		
10	64QAM	1	49	20.32	20.44	20.29				
10	64QAM	25	0	19.25	19.35	19.21				
10	64QAM	25	12	19.13	19.31	19.25	21	3		
10	64QAM	25	25	19.16	19.34	19.27				
10	64QAM	50	0	19.23	19.32	19.25				
Channel				23795	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	22.09	22.33	22.17	24	0		
5	QPSK	1	12	22.13	22.13	22.04				
5	QPSK	1	24	22.04	22.20	22.09				
5	QPSK	12	0	21.14	21.14	21.06	23	1		
5	QPSK	12	7	21.02	21.02	21.08				
5	QPSK	12	13	21.07	21.05	21.10				
5	QPSK	25	0	21.08	21.05	21.14	23	1		
5	16QAM	1	0	21.32	21.40	21.40				
5	16QAM	1	12	21.23	21.34	21.27				
5	16QAM	1	24	21.22	21.37	21.22	22	2		
5	16QAM	12	0	20.13	20.25	20.22				
5	16QAM	12	7	20.11	20.17	20.15				
5	16QAM	12	13	20.04	20.13	20.06	22	2		
5	16QAM	25	0	20.11	20.23	20.22				
5	64QAM	1	0	20.25	20.34	20.25				
5	64QAM	1	12	20.28	20.32	20.17	22	2		
5	64QAM	1	24	20.23	20.32	20.22				
5	64QAM	12	0	19.19	19.25	19.13				
5	64QAM	12	7	19.10	19.24	19.13	21	3		
5	64QAM	12	13	19.05	19.22	19.18				
5	64QAM	25	0	19.18	19.24	19.18				

Band 25 Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				26140	26340	26590				
Frequency (MHz)				1850	1850	1905				
20	QPSK	1	0	22.40	22.41	22.37	24	0		
20	QPSK	1	49	22.29	22.37	22.26				
20	QPSK	1	99	22.17	22.23	22.20				
20	QPSK	50	0	21.21	21.37	21.31	23	1		
20	QPSK	50	24	21.14	21.29	21.24				
20	QPSK	50	50	21.18	21.24	21.11				
20	QPSK	100	0	21.30	21.34	21.17	23	1		
20	16QAM	1	0	21.52	21.55	21.44				
20	16QAM	1	49	21.38	21.41	21.38				
20	16QAM	1	99	21.47	21.51	21.43	22	2		
20	16QAM	50	0	20.44	20.53	20.36				
20	16QAM	50	24	20.42	20.49	20.45				
20	16QAM	50	50	20.31	20.44	20.26	22	2		
20	16QAM	100	0	20.28	20.40	20.36				
20	64QAM	1	0	20.51	20.61	20.55				
20	64QAM	1	49	20.41	20.57	20.44	22	2		
20	64QAM	1	99	20.40	20.53	20.36				
20	64QAM	50	0	19.44	19.47	19.30				
20	64QAM	50	24	19.34	19.51	19.36	21	3		
20	64QAM	50	50	19.25	19.39	19.34				
20	64QAM	100	0	19.28	19.35	19.27				
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	22.28	22.23	22.32	24	0		
15	QPSK	1	37	22.10	22.17	22.14				
15	QPSK	1	74	22.05	22.17	22.13				
15	QPSK	36	0	21.15	21.21	21.14	23	1		
15	QPSK	36	20	21.11	21.24	21.10				
15	QPSK	36	39	21.06	21.08	21.02				
15	QPSK	75	0	21.15	21.27	21.11	23	1		
15	16QAM	1	0	21.49	21.37	21.37				
15	16QAM	1	37	21.32	21.37	21.23				
15	16QAM	1	74	21.41	21.35	21.29	22	2		
15	16QAM	36	0	20.29	20.43	20.19				
15	16QAM	36	20	20.30	20.32	20.32				
15	16QAM	36	39	20.23	20.39	20.19	22	2		
15	16QAM	75	0	20.24	20.30	20.28				
15	64QAM	1	0	20.37	20.58	20.51				
15	64QAM	1	37	20.28	20.55	20.32	22	2		
15	64QAM	1	74	20.29	20.40	20.21				
15	64QAM	36	0	19.29	19.31	19.22				
15	64QAM	36	20	19.17	19.48	19.31	21	3		
15	64QAM	36	39	19.18	19.53	19.24				
15	64QAM	75	0	19.11	19.19	19.12				
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	22.26	22.31	22.30	24	0		
10	QPSK	1	25	22.17	22.27	22.14				
10	QPSK	1	49	22.10	22.15	22.09				
10	QPSK	25	0	21.17	21.23	21.26	23	1		
10	QPSK	25	12	21.04	21.18	21.21				
10	QPSK	25	25	21.10	21.15	21.07				
10	QPSK	50	0	21.13	21.17	21.10	23	1		
10	16QAM	1	0	21.49	21.45	21.40				
10	16QAM	1	25	21.21	21.30	21.28				
10	16QAM	1	49	21.44	21.39	21.31	22	2		
10	16QAM	25	0	20.37	20.35	20.31				
10	16QAM	25	12	20.40	20.45	20.40				
10	16QAM	25	25	20.22	20.34	20.08	22	2		
10	16QAM	50	0	20.21	20.37	20.33				
10	64QAM	1	0	20.44	20.44	20.44				
10	64QAM	1	25	20.28	20.53	20.32	22	2		
10	64QAM	1	49	20.24	20.36	20.31				
10	64QAM	25	0	19.42	19.43	19.17				
10	64QAM	25	12	19.22	19.37	19.28	21	3		
10	64QAM	25	25	19.17	19.25	19.28				
10	64QAM	50	0	19.13	19.21	19.11				
Channel				26085	26340	26655	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	22.25	22.28	22.25	24	0		
5	QPSK	1	12	22.22	22.23	22.23				
5	QPSK	1	24	22.13	22.06	22.05				
5	QPSK	12	0	21.04	21.27	22.02	23	1		
5	QPSK	12	7	21.08	21.17	21.12				
5	QPSK	12	13	21.12	21.06	21.01				
5	QPSK	25	0	21.13	21.30	21.09	23	1		
5	16QAM	1	0	21.43	21.44	21.40				
5	16QAM	1	12	21.21	21.28	21.30				
5	16QAM	1	24	21.44	21.36	21.41	22	2		
5	16QAM	12	0	20.34	20.48	20.25				
5	16QAM	12	7	20.29	20.38	20.36				
5	16QAM	12	13	20.22	20.31	20.23	22	2		
5	16QAM	25	0	20.20	20.33	20.27				
5	64QAM	1	0	20.46	20.44	20.46				
5	64QAM	1	12	20.30	20.36	20.31	22	2		
5	64QAM	1	24	20.25	20.50	20.31				
5	64QAM	12	0	19.35	19.30	19.13				
5	64QAM	12	7	19.17	19.36	19.29	21	3		
5	64QAM	12	13	19.22	19.31	19.21				
5	64QAM	25	0	19.13	19.31	19.21				
Channel				26055	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	22.32	22.27	22.24	24	0		
3	QPSK	1	8	22.20	22.22	22.09				
3	QPSK	1	14	22.20	22.17	22.04				
3	QPSK	8	0	21.17	21.21	21.25	23	1		
3	QPSK	8	4	21.00	21.24	21.25				
3	QPSK	8	7	21.12	21.16	21.07				
3	QPSK	15	0	21.16	21.30	21.00	23	1		
3	16QAM	1	0	21.35	21.43	21.34				
3	16QAM	1	8	21.24	21.27	21.30				
3	16QAM	1	14	21.38	21.48	21.35	22	2		
3	16QAM	8	0	20.29	20.44	20.21				
3	16QAM	8	4	20.33	20.36	20.28				
3	16QAM	8	7	20.25	20.38	20.18	22	2		
3	16QAM	15	0	20.23	20.29	20.23				
3	64QAM	1	0	20.38	20.54	20.48				
3	64QAM	1	8	20.25	20.43	20.40	22	2		
3	64QAM	1	14	20.34	20.36	20.25				
3	64QAM	8	0	19.38	19.36	19.25				
3	64QAM	8	4	19.20	19.41	19.25	21	3		
3	64QAM	8	7	19.22	19.30	19.29				
3	64QAM	15	0	19.17	19.31	19.24				
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	22.36	22.27	22.54	24	0		
1.4	QPSK	1	3	22.24	22.24	22.14				
1.4	QPSK	1	5	22.06	22.17	22.16				
1.4	QPSK	3	0	22.07	22.27	22.21	23	1		
1.4	QPSK	3	3	22.04	22.17	22.09				
1.4	QPSK	6	0	21.26	21.17	21.07				
1.4	16QAM	1	0	21.35	21.38	21.31	23	1		
1.4	16QAM	1	5	21.43	21.44	21.39				
1.4	16QAM	3	0	21.28	21.37	21.33				
1.4	16QAM	3	1	21.38	21.32	21.31	22	2		
1.4	16QAM	3	3	21.21	21.29	21.19				
1.4	16QAM	6	0	20.13	20.22	20.29				
1.4	64QAM	1	0	20.44	20.45	20.47	22	2		
1.4	64QAM	1	3	20.39	20.44	20.31				
1.4	64QAM	1	5	20.28	20.41	20.26				
1.4	64QAM	3	0	20.27	20.40	20.24	22	2		
1.4	64QAM	3	1	20.30	20.36	20.33				
1.4	64QAM	3	3	20.20	20.31	20.32				
1.4	64QAM	6	0	19.21	19.19	19.11	21	3		

Band 66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1770			
20	QPSK	1	0	22.42	22.61	22.54	24	0	
20	QPSK	1	49	22.40	22.48	22.44			
20	QPSK	1	99	22.37	22.52	22.37			
20	QPSK	50	0	21.72	21.82	21.69			
20	QPSK	50	24	21.58	21.66	21.60	23	1	
20	QPSK	50	50	21.66	21.75	21.57			
20	QPSK	100	0	21.62	21.71	21.55			
20	16QAM	1	0	21.72	21.78	21.63			
20	16QAM	1	49	21.59	21.67	21.58	23	1	
20	16QAM	1	99	21.66	21.75	21.68			
20	16QAM	50	0	20.80	20.88	20.74			
20	16QAM	50	24	20.60	20.78	20.68			
20	16QAM	50	50	20.64	20.73	20.69	22	2	
20	16QAM	100	0	20.66	20.79	20.66			
20	64QAM	1	0	20.51	20.61	20.52			
20	64QAM	1	49	20.59	20.63	20.53			
20	64QAM	1	99	20.38	20.54	20.40	22	2	
20	64QAM	50	0	19.75	19.84	19.74			
20	64QAM	50	24	19.79	19.83	19.68			
20	64QAM	50	50	19.59	19.75	19.57			
20	64QAM	100	0	19.78	19.87	19.83	21	3	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	22.26	22.50	22.43	24	0	
15	QPSK	1	37	22.28	22.30	22.33			
15	QPSK	1	74	22.29	22.44	22.33			
15	QPSK	36	0	21.66	21.77	21.57			
15	QPSK	36	20	21.51	21.56	21.54	23	1	
15	QPSK	36	39	21.57	21.65	21.48			
15	QPSK	75	0	21.45	21.54	21.51			
15	16QAM	1	0	21.64	21.75	21.47			
15	16QAM	1	37	21.55	21.57	21.54	23	1	
15	16QAM	1	74	21.62	21.70	21.57			
15	16QAM	36	0	20.73	20.77	20.60			
15	16QAM	36	20	20.43	20.62	20.62			
15	16QAM	36	39	20.49	20.70	20.56	22	2	
15	16QAM	75	0	20.51	20.72	20.52			
15	64QAM	1	0	20.43	20.52	20.37			
15	64QAM	1	37	20.41	20.45	20.47			
15	64QAM	1	74	20.29	20.45	20.27	22	2	
15	64QAM	36	0	19.59	19.78	19.66			
15	64QAM	36	20	19.72	19.69	19.57			
15	64QAM	36	39	19.51	19.62	19.45			
15	64QAM	75	0	19.63	19.73	19.70	Channel	Tune-up limit (dBm)	MPR (dB)
Channel				132022	132322	132622			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	22.30	22.57	22.48	24	0	
10	QPSK	1	25	22.36	22.35	22.34			
10	QPSK	1	49	22.25	22.38	22.27			
10	QPSK	25	0	21.65	21.66	21.59			
10	QPSK	25	12	21.43	21.62	21.48	23	1	
10	QPSK	25	25	21.56	21.81	21.42			
10	QPSK	50	0	21.50	21.64	21.47			
10	16QAM	1	0	21.60	21.66	21.46			
10	16QAM	1	25	21.52	21.58	21.48	23	1	
10	16QAM	1	49	21.50	21.59	21.51			
10	16QAM	25	0	20.67	20.81	20.63			
10	16QAM	25	12	20.53	20.63	20.65			
10	16QAM	25	25	20.49	20.67	20.52	22	2	
10	16QAM	50	0	20.59	20.68	20.50			
10	64QAM	1	0	20.33	20.50	20.47			
10	64QAM	1	25	20.51	20.58	20.42			
10	64QAM	1	49	20.28	20.46	20.36	21	3	
10	64QAM	25	0	19.70	19.70	19.64			
10	64QAM	25	12	19.62	19.75	19.52			
10	64QAM	25	25	19.44	19.57	19.52			
10	64QAM	50	0	19.73	19.77	19.80	Channel	Tune-up limit (dBm)	MPR (dB)
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	22.37	22.45	22.49	24	0	
5	QPSK	1	12	22.23	22.32	22.39			
5	QPSK	1	24	22.23	22.42	22.26			
5	QPSK	12	0	21.57	21.66	21.56			
5	QPSK	12	7	21.47	21.58	21.48	23	1	
5	QPSK	12	13	21.56	21.55	21.41			
5	QPSK	25	0	21.59	21.67	21.48			
5	16QAM	1	0	21.67	21.66	21.56			
5	16QAM	1	12	21.56	21.55	21.45	23	1	
5	16QAM	1	24	21.61	21.59	21.55			
5	16QAM	12	0	20.70	20.75	20.59			
5	16QAM	12	7	20.54	20.72	20.54			
5	16QAM	12	13	20.46	20.63	20.59	22	2	
5	16QAM	25	0	20.61	20.69	20.52			
5	64QAM	1	0	20.40	20.50	20.41			
5	64QAM	1	12	20.56	20.60	20.44			
5	64QAM	1	24	20.28	20.41	20.32	22	2	
5	64QAM	12	0	19.59	19.74	19.70			
5	64QAM	12	7	19.75	19.72	19.52			
5	64QAM	12	13	19.50	19.75	19.42			
5	64QAM	25	0	19.76	19.78	19.65	Channel	Tune-up limit (dBm)	MPR (dB)
Channel				131987	132322	132697			
Frequency (MHz)				1711.5	1745	1775.5			
3	QPSK	1	0	22.26	22.54	22.44	24	0	
3	QPSK	1	8	22.33	22.45	22.26			
3	QPSK	1	14	22.21	22.44	22.33			
3	QPSK	8	0	21.54	21.75	21.65			
3	QPSK	8	4	21.46	21.61	21.46	23	1	
3	QPSK	8	7	21.54	21.64	21.49			
3	QPSK	15	0	21.59	21.65	21.53			
3	16QAM	1	0	21.66	21.70	21.56			
3	16QAM	1	8	21.55	21.57	21.49	23	1	
3	16QAM	1	14	21.53	21.58	21.66			
3	16QAM	8	0	20.68	20.73	20.63			
3	16QAM	8	4	20.56	20.67	20.64			
3	16QAM	8	7	20.55	20.69	20.62	22	2	
3	16QAM	15	0	20.61	20.66	20.59			
3	64QAM	1	0	20.49	20.51	20.34			
3	64QAM	1	8	20.46	20.47	20.41			
3	64QAM	1	14	20.24	20.47	20.30	22	2	
3	64QAM	8	0	19.66	19.71	19.67			
3	64QAM	8	4	19.71	19.69	19.57			
3	64QAM	8	7	19.51	19.72	19.51			
3	64QAM	15	0	19.64	19.74	19.71	Channel	Tune-up limit (dBm)	MPR (dB)
Channel				131979	132322	132695			
Frequency (MHz)				1710.7	1745	1775.3			
1.4	QPSK	1	0	22.25	22.55	22.44	24	0	
1.4	QPSK	1	3	22.28	22.41	22.34			
1.4	QPSK	1	5	22.30	22.35	22.22			
1.4	QPSK	3	0	22.36	22.48	22.41			
1.4	QPSK	3	1	22.26	22.38	22.25	23	1	
1.4	QPSK	3	3	22.38	22.39	22.31			
1.4	QPSK	6	0	21.30	21.39	21.23			
1.4	16QAM	1	0	21.63	21.61	21.52			
1.4	16QAM	1	3	21.42	21.51	21.40	23	1	
1.4	16QAM	1	5	21.58	21.70	21.59			
1.4	16QAM	3	0	21.51	21.62	21.45			
1.4	16QAM	3	1	21.29	21.47	21.45	22	2	
1.4	16QAM	3	3	21.31	21.45	21.34			
1.4	64QAM	1	0	20.33	20.51	20.38			
1.4	64QAM	1	3	20.48	20.56	20.44			
1.4	64QAM	1	3	20.48	20.51	20.37	22	2	
1.4	64QAM	1	5	20.52	20.57	20.38			
1.4	64QAM	3	0	20.28	20.56	20.36			
1.4	64QAM	3	1	20.50	20.50	20.34			
1.4	64QAM	3	3	20.28	20.40	20.33	21	3	
1.4	64QAM	6	0	19.40	19.56	19.47			

Band 7 Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20850	21100	21350				
Frequency (MHz)				2535	2535	2560				
20	QPSK	1	0	22.68	22.85	22.77	24	0		
20	QPSK	1	49	22.59	22.67	22.64				
20	QPSK	50	0	22.60	22.71	22.61				
20	QPSK	50	24	21.70	21.83	21.79	23	1		
20	QPSK	50	50	21.63	21.69	21.53				
20	QPSK	100	0	21.57	21.74	21.67				
20	16QAM	1	0	21.81	21.66	21.59	23	1		
20	16QAM	1	49	21.86	21.99	21.83				
20	16QAM	1	99	21.81	21.92	21.77				
20	16QAM	1	99	21.77	21.84	21.73	22	2		
20	16QAM	50	0	20.77	20.86	20.73				
20	16QAM	50	24	20.70	20.83	20.73				
20	16QAM	50	50	20.61	20.70	20.59	22	2		
20	16QAM	100	0	20.62	20.79	20.63				
20	64QAM	1	0	20.78	20.85	20.73				
20	64QAM	1	49	20.59	20.68	20.54	22	2		
20	64QAM	1	99	20.61	20.72	20.65				
20	64QAM	50	0	19.84	20.01	19.87				
20	64QAM	50	24	19.81	19.93	19.91	21	3		
20	64QAM	50	50	19.71	19.82	19.75				
20	64QAM	100	0	19.78	19.81	19.77				
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	0	22.62	22.72	22.74	24	0		
15	QPSK	1	37	22.50	22.60	22.51				
15	QPSK	1	74	22.43	22.54	22.45				
15	QPSK	36	0	21.67	21.73	21.69	23	1		
15	QPSK	36	20	21.48	21.62	21.38				
15	QPSK	36	39	21.52	21.62	21.60				
15	QPSK	75	0	21.48	21.56	21.45	23	1		
15	16QAM	1	0	21.75	21.83	21.75				
15	16QAM	1	37	21.72	21.82	21.74				
15	16QAM	1	74	21.61	21.69	21.64	22	2		
15	16QAM	36	0	20.66	20.81	20.59				
15	16QAM	36	20	20.67	20.74	20.62				
15	16QAM	36	39	20.53	20.67	20.53	22	2		
15	16QAM	75	0	20.54	20.62	20.57				
15	64QAM	1	0	20.70	20.78	20.68				
15	64QAM	1	37	20.52	20.64	20.46	22	2		
15	64QAM	1	74	20.55	20.70	20.59				
15	64QAM	36	0	19.74	19.82	19.76				
15	64QAM	36	20	19.73	19.83	19.76	21	3		
15	64QAM	36	39	19.69	19.71	19.59				
15	64QAM	75	0	19.60	19.64	19.63				
Channel				20900	21100	21400	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	0	22.55	22.71	22.66	24	0		
10	QPSK	1	25	22.52	22.52	22.54				
10	QPSK	1	49	22.49	22.68	22.47				
10	QPSK	25	0	21.53	21.67	21.62	23	1		
10	QPSK	25	12	21.49	21.52	21.48				
10	QPSK	25	25	21.52	21.65	21.65				
10	QPSK	50	0	21.57	21.61	21.42	23	1		
10	16QAM	1	0	21.83	21.84	21.80				
10	16QAM	1	25	21.68	21.85	21.61				
10	16QAM	1	49	21.70	21.74	21.65	22	2		
10	16QAM	25	0	20.69	20.69	20.70				
10	16QAM	25	12	20.60	20.67	20.60				
10	16QAM	25	25	20.48	20.63	20.50	22	2		
10	16QAM	50	0	20.50	20.67	20.52				
10	64QAM	1	0	20.71	20.78	20.64				
10	64QAM	1	25	20.42	20.66	20.38	22	2		
10	64QAM	1	49	20.48	20.64	20.53				
10	64QAM	25	0	19.74	19.91	19.85				
10	64QAM	25	12	19.66	19.78	19.76	21	3		
10	64QAM	25	25	19.66	19.75	19.67				
10	64QAM	50	0	19.63	19.74	19.65				
Channel				20775	21100	21425	Tune-up limit (dBm)			MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	0	22.51	22.69	22.72	24	0		
5	QPSK	1	12	22.55	22.49	22.48				
5	QPSK	1	24	22.52	22.67	22.50				
5	QPSK	12	0	21.64	21.75	21.71	23	1		
5	QPSK	12	7	21.57	21.51	21.38				
5	QPSK	12	13	21.45	21.62	21.54				
5	QPSK	25	0	21.55	21.54	21.49	23	1		
5	16QAM	1	0	21.80	21.96	21.66				
5	16QAM	1	12	21.65	21.82	21.67				
5	16QAM	1	24	21.66	21.79	21.70	22	2		
5	16QAM	12	0	20.68	20.83	20.58				
5	16QAM	12	7	20.68	20.73	20.68				
5	16QAM	12	13	20.52	20.56	20.41	22	2		
5	16QAM	25	0	20.58	20.74	20.45				
5	64QAM	1	0	20.63	20.80	20.60				
5	64QAM	1	12	20.51	20.66	20.51	22	2		
5	64QAM	1	24	20.54	20.68	20.58				
5	64QAM	12	0	19.80	19.84	19.71				
5	64QAM	12	7	19.65	19.86	19.80	21	3		
5	64QAM	12	13	19.65	19.75	19.61				
5	64QAM	25	0	19.63	19.63	19.66				

Band 30 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27650	27710				
Frequency (MHz)				2310	2310				
10	QPSK	1	0	22.79			24	0	
10	QPSK	1	25	22.57					
10	QPSK	1	49	22.65					
10	QPSK	25	0	21.88			23	1	
10	QPSK	25	12	21.71					
10	QPSK	25	25	21.84					
10	QPSK	50	0	21.68			23	1	
10	16QAM	1	0	21.82					
10	16QAM	1	25	21.75					
10	16QAM	1	49	21.68			22	2	
10	16QAM	25	0	20.88					
10	16QAM	25	12	20.77					
10	16QAM	25	25	20.81			22	2	
10	16QAM	50	0	20.91					
10	64QAM	1	0	20.89			22	2	
10	64QAM	1	25	20.76					
10	64QAM	1	49	20.81					
10	64QAM	25	0	19.98			21	3	
10	64QAM	25	12	19.85					
10	64QAM	25	25	19.92					
10	64QAM	50	0	19.69					
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	22.69	22.65	22.70	24	0	
5	QPSK	1	12	22.53	22.50	22.50			
5	QPSK	1	24	22.58	22.59	22.54			
5	QPSK	12	0	21.73	21.81	21.80	23	1	
5	QPSK	12	7	21.57	21.56	21.65			
5	QPSK	12	13	21.68	21.76	21.78			
5	QPSK	25	0	21.59	21.52	21.53	23	1	
5	16QAM	1	0	21.76	21.78	21.75			
5	16QAM	1	12	21.63	21.69	21.66			
5	16QAM	1	24	21.57	21.59	21.55	22	2	
5	16QAM	12	0	20.71	20.83	20.76			
5	16QAM	12	7	20.64	20.70	20.58			
5	16QAM	12	13	20.68	20.71	20.66	22	2	
5	16QAM	25	0	20.86	20.89	20.84			
5	64QAM	1	0	20.85	20.82	20.74			
5	64QAM	1	12	20.60	20.71	20.68	22	2	
5	64QAM	1	24	20.77	20.78	20.65			
5	64QAM	12	0	19.89	19.82	19.81			
5	64QAM	12	7	19.74	19.80	19.83	21	3	
5	64QAM	12	13	19.78	19.81	19.89			
5	64QAM	25	0	19.52	19.57	19.63			

Band 38 Ant 1												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (15%)	Power Middle Ch. (75%)	Power High Ch. (15%)	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)				2680	2680	2610						
20	QPSK	1	0	22.40	22.47	22.44	24	0	23	1		
20	QPSK	1	49	22.40	22.40	22.41						
20	QPSK	1	99	22.20	22.31	22.21						
20	QPSK	50	0	21.30	21.42	21.29						
20	QPSK	50	24	21.24	21.30	21.25	23	1	23	1		
20	QPSK	50	50	21.26	21.38	21.31						
20	QPSK	100	0	21.22	21.35	21.33						
20	16QAM	1	0	21.31	21.44	21.36						
20	16QAM	1	49	21.25	21.31	21.20	23	1	23	1		
20	16QAM	1	99	21.22	21.27	21.25						
20	16QAM	50	0	20.20	20.36	20.27						
20	16QAM	50	24	20.20	20.30	20.26						
20	16QAM	50	50	20.20	20.29	20.23	22	2	22	2		
20	16QAM	100	0	20.26	20.31	20.20						
20	16QAM	1	0	20.16	20.29	20.18						
20	64QAM	1	49	20.16	20.33	20.19			22	2		
20	64QAM	1	99	20.12	20.25	20.15	21	3				
20	64QAM	50	0	19.34	19.40	19.31						
20	64QAM	50	24	19.37	19.30	19.30						
20	64QAM	50	50	19.43	19.51	19.43		21	3			
20	64QAM	100	0	19.52	19.60	19.52						
Channel												
Frequency (MHz)				2677.5	2680	2612.5	Turn-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	22.38	22.45	22.31	24	0	23	1		
15	QPSK	1	49	22.34	22.37	22.38						
15	QPSK	1	74	22.20	22.20	22.04						
15	QPSK	36	0	21.17	21.28	21.20			23	1		
15	QPSK	36	20	21.10	21.14	21.09	23	1				
15	QPSK	36	36	21.22	21.27	21.23						
15	QPSK	75	0	21.19	21.31	21.26						
15	16QAM	1	0	21.22	21.32	21.31	23	1	23	1		
15	16QAM	1	37	21.08	21.18	21.08						
15	16QAM	1	74	21.10	21.12	21.15						
15	16QAM	36	0	20.09	20.27	20.14	22	2	22	2		
15	16QAM	36	20	20.10	20.29	20.19						
15	16QAM	36	36	20.08	20.20	20.19						
15	16QAM	75	0	20.23	20.18	20.14			22	2		
15	16QAM	1	0	20.10	20.20	20.14	21	3				
15	16QAM	1	37	20.15	20.25	20.08						
15	64QAM	1	74	20.04	20.17	20.12						
15	64QAM	36	0	19.16	19.27	19.16	21	3	21	3		
15	64QAM	36	20	19.24	19.15	19.18						
15	64QAM	36	36	19.20	19.35	19.30						
15	64QAM	75	0	19.30	19.58	19.36						
15	64QAM	75	20	19.36	19.46	19.36						
Channel												
Frequency (MHz)				2677.5	2680	2612.5	Turn-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	22.38	22.43	22.35	24	0	23	1		
10	QPSK	1	25	22.23	22.42	22.36						
10	QPSK	1	49	22.13	22.17	22.06						
10	QPSK	25	0	21.17	21.31	21.18	23	1	23	1		
10	QPSK	25	12	21.14	21.12	21.10						
10	QPSK	25	25	21.31	21.21	21.24						
10	QPSK	50	0	21.00	21.30	21.21	23	1	23	1		
10	16QAM	1	0	21.15	21.41	21.20						
10	16QAM	1	25	21.16	21.12	21.12						
10	16QAM	1	49	21.04	21.25	21.22			22	2		
10	16QAM	25	0	20.06	20.31	20.24	22	2				
10	16QAM	25	12	20.27	20.29	20.10						
10	16QAM	25	25	20.11	20.23	20.05						
10	16QAM	50	0	20.09	20.18	20.12	22	2	22	2		
10	64QAM	1	0	20.01	20.14	20.01						
10	64QAM	1	25	20.04	20.30	20.16						
10	64QAM	1	49	20.03	20.18	20.01			21	3		
10	64QAM	25	0	19.30	19.32	19.17	21	3				
10	64QAM	25	12	19.27	19.15	19.16						
10	64QAM	25	25	19.30	19.37	19.31						
10	64QAM	50	0	19.46	19.56	19.37						

Band 41 PC3 Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (15%)	Power Low Middle Ch. (75%)	Power Middle Ch. (75%)	Power High Middle Ch. (15%)	Power High Ch. (15%)	Turn-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)				30750	40185	40620	41055	41490			
20	QPSK	1	0	22.40	22.32	22.50	22.42	22.35	24	0	
20	QPSK	1	49	22.28	22.38	22.42	22.29	22.20			
20	QPSK	1	99	22.34	22.28	22.37	22.19	22.20			
20	QPSK	50	0	21.43	21.46	21.52	21.47	21.40			
20	QPSK	50	24	21.33	21.43	21.46	21.42	21.29	23	1	
20	QPSK	50	50	21.26	21.38	21.38	21.23	21.35			
20	QPSK	100	0	21.30	21.36	21.43	21.31	21.35			
20	16QAM	1	0	21.40	21.42	21.53	21.35	21.43			
20	16QAM	1	49	21.07	21.07	21.06	21.02	21.06	23	1	
20	16QAM	1	99	21.43	21.52	21.59	21.52	21.51			
20	16QAM	50	0	20.59	20.59	20.62	20.53	20.51			
20	16QAM	50	24	20.40	20.43	20.43	20.43	20.42			
20	16QAM	50	50	20.52	20.50	20.60	20.51	20.54	22	2	
20	16QAM	100	0	20.50	20.50	20.57	20.50	20.48			
20	16QAM	1	0	20.35	20.32	20.38	20.36	20.35			
20	64QAM	1	49	20.19	20.19	20.30	20.19	20.15		22	2
20	64QAM	1	99	20.17	20.28	20.32	20.28	20.26			
20	64QAM	50	0	19.35	19.32	19.41	19.34	19.34			
20	64QAM	50	24	19.33	19.21	19.38	19.35	19.26			
20	64QAM	50	50	19.31	19.34	19.47	19.31	19.38	21	3	
20	64QAM	100	0	19.20	19.18	19.34	19.20	19.26			
Channel											
Frequency (MHz)				30750	40185	40620	41055	41490		MPR (dB)	
15	QPSK	1	0	22.25	22.19	22.47	22.36	22.32	24	0	
15	QPSK	1	37	22.21	22.28	22.30	22.26	22.26			
15	QPSK	1	74	22.27	22.20	22.26	22.15	22.08			
15	QPSK	36	0	21.42	21.30	21.41	21.37	21.23			
15	QPSK	36	20	21.21	21.39	21.34	21.31	21.12	23	1	
15	QPSK	36	39	21.09	21.09	21.27	21.08	21.20			
15	QPSK	75	0	21.23	21.26	21.35	21.23	21.27			
15	16QAM	1	0	21.30	21.29	21.50	21.20	21.29			
15	16QAM	1	37	21.18	21.41	21.00	21.03	21.48	23	1	
15	16QAM	1	74	21.36	21.48	21.53	21.47	21.34			
15	16QAM	36	0	20.56	20.44	20.51	20.38	20.38			
15	16QAM	36	20	20.25	20.28	20.39	20.27	20.27		22	2
15	16QAM	36	39	20.39	20.37	20.50	20.33	20.49			
15	16QAM	75	0	20.45	20.33	20.52	20.37	20.37			
15	16QAM	1	0	20.19	20.26	20.32	20.21	20.18	22	2	
15	16QAM	1	37	20.02	20.05	20.14	20.13	20.10			
15	64QAM	1	74	20.15	20.16	20.14	20.20	20.14			
15	64QAM	36	0	19.30	19.28	19.31	19.17	19.27		21	3
15	64QAM										

Band 2 Ant 4														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
20	QPSK	1	0	21.04	21.21	21.09			23	0				
20	QPSK	1	49	21.09	21.20	21.08								
20	QPSK	1	99	21.09	21.20	21.08								
20	QPSK	50	0	20.06	20.38	20.22			22	1				
20	QPSK	50	24	20.13	20.11	20.06								
20	QPSK	50	50	20.01	20.28	20.13								
20	QPSK	100	0	20.13	20.13	20.04			22	1				
20	16QAM	1	0	20.90	21.01	20.88								
20	16QAM	1	49	20.71	20.72	20.59								
20	16QAM	1	99	20.58	20.77	20.59			21	2				
20	16QAM	50	0	19.41	19.55	19.44								
20	16QAM	50	24	19.17	19.32	19.26								
20	16QAM	50	50	19.10	19.30	19.27			21	2				
20	16QAM	100	0	19.24	19.34	19.33								
20	64QAM	1	0	19.03	19.02	19.05								
20	64QAM	1	49	19.06	19.05	19.00			21	2				
20	64QAM	1	99	19.06	19.08	19.01								
20	64QAM	50	0	18.11	18.15	18.06								
20	64QAM	50	24	18.05	18.11	18.04			20	3				
20	64QAM	50	50	18.05	18.12	18.05								
20	64QAM	100	0	18.01	18.10	18.05								
Channel														
Frequency (MHz)														
15	QPSK	1	0	19.675	19.800	19.125			Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	21.03	21.20	21.11								
15	QPSK	1	37	21.08	21.07	21.17								
15	QPSK	1	74	21.19	21.07	21.16			23	0				
15	QPSK	36	0	19.87	20.18	20.03								
15	QPSK	36	20	19.72	19.98	20.01								
15	QPSK	36	39	19.73	20.12	19.86			22	1				
15	QPSK	75	0	19.83	19.96	19.93								
15	16QAM	1	0	20.84	20.87	20.78								
15	16QAM	1	37	20.71	20.54	20.43			22	1				
15	16QAM	1	74	20.58	20.62	20.46								
15	16QAM	36	0	19.38	19.34	19.35								
15	16QAM	36	20	19.05	19.10	19.07			21	2				
15	16QAM	36	39	19.00	19.17	19.14								
15	16QAM	75	0	19.05	19.19	19.34								
15	64QAM	1	0	18.58	18.55	18.54			21	2				
15	64QAM	1	37	18.59	18.56	18.58								
15	64QAM	1	74	18.55	18.59	18.65								
15	64QAM	36	0	17.54	17.50	17.65			20	3				
15	64QAM	36	20	17.56	17.58	17.58								
15	64QAM	36	39	17.54	17.52	17.53								
15	64QAM	75	0	17.54	17.57	17.67								
Channel														
Frequency (MHz)														
10	QPSK	1	0	18.55	18.80	19.05			Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	21.13	21.01	21.17								
10	QPSK	1	25	21.16	21.07	21.16								
10	QPSK	1	49	21.07	21.16	21.14			23	0				
10	QPSK	25	0	19.87	20.28	20.08								
10	QPSK	25	12	19.85	19.86	19.20								
10	QPSK	25	25	19.84	20.10	19.94			22	1				
10	QPSK	50	0	19.74	19.97	19.84								
10	16QAM	1	0	20.86	20.83	20.83								
10	16QAM	1	25	20.68	20.53	20.60			22	1				
10	16QAM	1	49	20.45	20.77	20.54								
10	16QAM	25	0	19.23	19.46	19.27								
10	16QAM	25	12	19.14	19.14	19.17			21	2				
10	16QAM	25	25	19.01	19.20	19.10								
10	16QAM	50	0	19.03	19.31	19.30								
10	64QAM	1	0	18.51	18.55	18.51			21	2				
10	64QAM	1	25	18.58	18.59	18.57								
10	64QAM	1	49	18.59	18.55	18.56								
10	64QAM	25	0	17.58	17.68	17.54			20	3				
10	64QAM	25	12	17.56	17.68	17.54								
10	64QAM	25	25	17.58	17.57	17.61								
10	64QAM	50	0	17.57	17.58	17.71								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.12	21.21	21.13			Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	12	21.09	21.14	21.21								
5	QPSK	1	24	21.10	21.19	21.19								
5	QPSK	12	0	19.89	20.31	20.05			23	0				
5	QPSK	12	7	19.83	20.08	20.04								
5	QPSK	12	13	19.85	20.22	20.08								
5	QPSK	25	0	19.66	19.92	20.03			22	1				
5	16QAM	1	0	20.69	20.84	20.82								
5	16QAM	1	12	20.68	20.53	20.55								
5	16QAM	1	24	20.51	20.64	20.53			22	1				
5	16QAM	12	0	19.19	19.44	19.40								
5	16QAM	12	7	19.09	19.30	19.18								
5	16QAM	12	13	18.95	19.09	19.28			21	2				
5	16QAM	25	0	19.09	19.27	19.25								
5	64QAM	1	0	18.51	18.55	18.58								
5	64QAM	1	12	18.61	18.56	18.57			21	2				
5	64QAM	1	24	18.51	18.56	18.57								
5	64QAM	12	0	17.56	17.64	17.66								
5	64QAM	12	7	17.57	17.56	17.63			20	3				
5	64QAM	12	13	17.50	17.50	17.55								
5	64QAM	25	0	17.52	17.58	17.64								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.21	21.21	21.19			Tune-up limit (dBm)	MPR (dB)				
3	QPSK	1	8	21.18	21.17	21.11								
3	QPSK	1	14	21.16	21.14	21.22								
3	QPSK	8	0	20.00	20.22	20.15			23	0				
3	QPSK	8	4	19.92	20.09	19.84								
3	QPSK	8	7	19.76	20.08	19.94								
3	QPSK	15	0	19.70	19.98	20.02			22	1				
3	16QAM	1	0	20.91	20.87	20.76								
3	16QAM	1	8	20.58	20.62	20.54								
3	16QAM	1	14	20.52	20.58	20.48			22	1				
3	16QAM	8	0	19.33	19.48	19.36								
3	16QAM	8	4	19.08	19.30	19.17								
3	16QAM	8	7	19.11	19.18	19.16			21	2				
3	16QAM	15	0	19.18	19.12	19.20								
3	64QAM	1	0	18.62	18.54	18.62								
3	64QAM	1	8	18.59	18.59	18.57			21	2				
3	64QAM	1	14	18.56	18.64	18.65								
3	64QAM	8	0	17.58	17.59	17.54								
3	64QAM	8	4	17.52	17.57	17.55			20	3				
3	64QAM	8	7	17.58	17.57	17.53								
3	64QAM	15	0	17.53	17.51	17.69								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.22	21.15	21.15			Tune-up limit (dBm)	MPR (dB)				
1.4	QPSK	1	0	21.19	21.19	21.17								
1.4	QPSK	1	5	21.08	21.13	21.14								
1.4	QPSK	3	0	21.15	21.11	21.04			23	0				
1.4	QPSK	3	1	21.10	21.07	21.07								
1.4	QPSK	3	3	21.17	21.15	21.10								
1.4	QPSK	6	0	19.87	20.36	19.91			22	1				
1.4	16QAM	1	0	20.69	20.92	20.78								
1.4	16QAM	1	3	20.63	20.59	20.52								
1.4	16QAM	1	5	20.42	20.58	20.42			22	1				
1.4	16QAM	3	0	20.89	20.84	20.80								
1.4	16QAM	3	1	20.73	20.59	20.43								
1.4	16QAM	3	3	20.40	20.40	20.42			21	2				
1.4	16QAM	6	0	19.19	19.34	19.21								
1.4	64QAM	1	0	18.51	18.56	18.66								
1.4	64QAM	1	3	18.54	18.55	18.63			21	2				
1.4	64QAM	1	5	18.53	18.61	18.64								
1.4	64QAM	3	0	18.51	18.62	18.52								
1.4	64QAM	3	1	18.53	18.53	18.64			20	3				
1.4	64QAM	3	3	18.58	18.52	18.57								
1.4	64QAM	6	0	17.59	17.65	17.69								
Channel														
Frequency (MHz)														

Band 7 Ant 4												
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	20650	21100	21350
				Frequency (MHz)	2207.5	2235	2260	2500				
20	QPSK	1	0	22.45	22.62	22.32	24	0				
20	QPSK	1	49	22.27	22.52	22.24						
20	QPSK	1	99	22.30	22.47	22.23						
20	QPSK	50	0	21.53	21.72	21.41						
20	QPSK	50	24	21.28	21.62	21.32	23	1				
20	QPSK	50	50	21.43	21.41	21.25						
20	QPSK	100	0	21.24	21.57	21.12						
20	16QAM	1	0	21.62	21.72	21.47						
20	16QAM	1	49	21.36	21.57	21.27	23	1				
20	16QAM	1	99	21.48	21.56	21.31						
20	16QAM	50	0	20.58	20.68	20.50						
20	16QAM	50	24	20.30	20.41	20.40						
20	16QAM	50	50	20.30	20.51	20.42	22	2				
20	16QAM	100	0	20.40	20.56	20.19						
20	64QAM	1	0	20.45	20.71	20.60						
20	64QAM	1	49	20.23	20.57	20.39						
20	64QAM	1	99	20.37	20.40	20.39	22	2				
20	64QAM	50	0	19.39	19.65	19.50						
20	64QAM	50	24	19.20	19.56	19.20						
20	64QAM	50	50	19.21	19.53	19.32						
20	64QAM	100	0	19.20	19.53	19.35	21	3				
Channel				20625	21100	21375						
Frequency (MHz)				2507.5	2535	2562.5			Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.38	22.44	22.26			24	0		
15	QPSK	1	37	22.16	22.39	22.03						
15	QPSK	1	74	22.28	22.36	22.23						
15	QPSK	36	0	21.45	21.66	21.39						
15	QPSK	36	20	21.22	21.51	21.27	23	1				
15	QPSK	36	39	21.33	21.42	21.20						
15	QPSK	75	0	21.04	21.54	21.16						
15	16QAM	1	0	21.42	21.52	21.26	23	1				
15	16QAM	1	37	21.33	21.45	21.28						
15	16QAM	1	74	21.38	21.42	21.14						
15	16QAM	36	0	20.52	20.56	20.36						
15	16QAM	36	20	20.25	20.27	20.30	22	2				
15	16QAM	36	39	20.32	20.48	20.23						
15	16QAM	75	0	20.40	20.40	20.09						
15	64QAM	1	0	20.32	20.63	20.57	22	2				
15	64QAM	1	37	20.24	20.39	20.38						
15	64QAM	1	74	20.38	20.32	20.27						
15	64QAM	36	0	19.29	19.64	19.51						
15	64QAM	36	20	19.23	19.35	19.16	21	3				
15	64QAM	36	39	19.21	19.39	19.17						
15	64QAM	75	0	19.13	19.49	19.35						
Channel				20900	21100	21400			Tune-up limit (dBm)	MPR (dB)		
				Frequency (MHz)	2502.5	2535	2565					
10	QPSK	1	0	22.30	22.55	22.17	24	0				
10	QPSK	1	25	22.06	22.43	22.20						
10	QPSK	1	49	22.27	22.39	22.10						
10	QPSK	25	0	21.44	21.56	21.27						
10	QPSK	25	12	21.24	21.48	21.26	23	1				
10	QPSK	25	25	21.31	21.33	21.19						
10	QPSK	50	0	21.14	21.48	21.00						
10	16QAM	1	0	21.46	21.55	21.39	23	1				
10	16QAM	1	25	21.34	21.48	21.27						
10	16QAM	1	49	21.48	21.53	21.16						
10	16QAM	25	0	20.44	20.63	20.31						
10	16QAM	25	12	20.27	20.35	20.31	22	2				
10	16QAM	25	25	20.13	20.44	20.21						
10	16QAM	50	0	20.27	20.45	20.11						
10	64QAM	1	0	20.38	20.51	20.53	22	2				
10	64QAM	1	25	20.11	20.54	20.20						
10	64QAM	1	49	20.37	20.30	20.22						
10	64QAM	25	0	19.25	19.46	19.43						
10	64QAM	25	12	19.20	19.52	19.03	21	3				
10	64QAM	25	25	19.19	19.34	19.28						
10	64QAM	50	0	19.07	19.40	19.31						
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)				
				Frequency (MHz)	2502.5	2535	2567.5					
5	QPSK	1	0	22.26	22.57	22.22	24	0				
5	QPSK	1	12	22.28	22.37	22.25						
5	QPSK	1	24	22.10	22.38	22.22						
5	QPSK	12	0	21.41	21.54	21.22						
5	QPSK	12	7	21.09	21.52	21.14	23	1				
5	QPSK	12	13	21.30	21.42	21.23						
5	QPSK	25	0	21.07	21.41	21.00						
5	16QAM	1	0	21.63	21.54	21.47	23	1				
5	16QAM	1	12	21.17	21.54	21.24						
5	16QAM	1	24	21.39	21.44	21.29						
5	16QAM	12	0	20.50	20.64	20.46						
5	16QAM	12	7	20.23	20.32	20.36	22	2				
5	16QAM	12	13	20.25	20.49	20.20						
5	16QAM	25	0	20.18	20.42	20.06						
5	64QAM	1	0	20.28	20.55	20.59	22	2				
5	64QAM	1	12	20.17	20.46	20.40						
5	64QAM	1	24	20.26	20.28	20.36						
5	64QAM	12	0	19.32	19.48	19.40						
5	64QAM	12	7	19.03	19.39	19.08	21	3				
5	64QAM	12	13	19.03	19.49	19.28						
5	64QAM	25	0	19.01	19.46	19.34						

Band 12 Ant 4											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low		Power Middle		Power High		Tune-up limit (dBm)	MPR (dB)
				Ch. / Freq.	23060 704	Ch. / Freq.	23095 707.5	Ch. / Freq.	23130 711		
Channel				Frequency (MHz)		23035		23095		23155	
10	QPSK	1	0			22.30				24	0
10	QPSK	1	25			22.14					
10	QPSK	1	49			22.09					
10	QPSK	25	0			21.34				23	1
10	QPSK	25	12			21.18					
10	QPSK	25	25			21.12					
10	QPSK	50	0			21.14				22	2
10	16QAM	1	0			21.65					
10	16QAM	1	25			21.33					
10	16QAM	1	49			21.44				21	3
10	16QAM	25	0			20.48					
10	16QAM	25	12			20.26					
10	16QAM	25	25			20.38				22	2
10	16QAM	50	0			20.37					
10	8QAM	1	0			20.59					
10	8QAM	1	25			20.40				22	2
10	8QAM	1	49			20.35					
10	8QAM	25	0			19.50					
10	8QAM	25	12			19.38				21	3
10	8QAM	25	25			19.31					
10	8QAM	50	0			19.20					
Channel				Frequency (MHz)		23035		23095		23155	
5	QPSK	1	0			22.08		22.13	22.20	24	0
5	QPSK	1	12			22.16		22.14	22.12		
5	QPSK	1	24			22.19		22.14	22.07		
5	QPSK	12	0			21.28		21.36	21.26	23	1
5	QPSK	12	7			21.02		21.18	21.19		
5	QPSK	12	13			21.09		21.13	21.10		
5	QPSK	25	0			21.16		21.00	21.10	23	1
5	16QAM	1	0			21.67		21.53	21.64		
5	16QAM	1	12			21.29		21.35	21.21		
5	16QAM	1	24			21.45		21.44	21.45	22	2
5	16QAM	12	0			20.46		20.35	20.41		
5	16QAM	12	7			20.10		20.19	20.04		
5	16QAM	12	13			20.37		20.27	20.30	22	2
5	16QAM	25	0			20.24		20.25	20.31		
5	8QAM	1	0			20.60		20.41	20.41		
5	8QAM	1	12			20.27		20.36	20.41	21	3
5	8QAM	1	24			20.20		20.23	20.24		
5	8QAM	12	0			19.42		19.49	19.38		
5	8QAM	12	7			18.19		19.38	19.20	20	3
5	8QAM	12	13			19.13		19.18	19.24		
5	8QAM	25	0			19.16		19.22	19.19		
Channel				Frequency (MHz)		23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5		Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0			22.05		22.15	22.03	24	0
3	QPSK	1	8			22.04		22.11	22.06		
3	QPSK	1	14			22.03		22.04	22.01		
3	QPSK	8	0			21.24		21.19	21.10	23	1
3	QPSK	8	4			21.03		21.08	21.16		
3	QPSK	8	7			21.08		21.05	21.07		
3	QPSK	15	0			21.09		21.08	21.09	23	1
3	16QAM	1	0			21.48		21.36	21.45		
3	16QAM	1	8			21.26		21.20	21.11		
3	16QAM	1	14			21.31		21.41	21.39	22	2
3	16QAM	8	0			20.43		20.33	20.35		
3	16QAM	8	4			20.28		20.06	20.03		
3	16QAM	8	7			20.20		20.17	20.22	22	2
3	16QAM	15	0			20.26		20.27	20.26		
3	8QAM	1	0			20.39		20.29	20.30		
3	8QAM	1	8			20.14		20.16	20.16	22	2
3	8QAM	1	14			20.17		20.17	20.23		
3	8QAM	8	0			19.35		19.37	19.37		
3	8QAM	8	4			18.15		19.23	19.06	21	3
3	8QAM	8	7			19.04		19.06	19.17		
3	8QAM	15	0			19.06		19.12	19.19		
Channel				Frequency (MHz)		697.7		707.5		715.3	
1.4	QPSK	1	0			22.01		22.08	22.19	24	0
1.4	QPSK	1	8			22.09		22.15	22.03		
1.4	QPSK	1	5			22.08		22.15	22.08		
1.4	QPSK	3	0			22.09		22.06	22.04	23	1
1.4	QPSK	3	1			22.07		22.02	22.09		
1.4	QPSK	3	3			22.21		22.09	22.05		
1.4	QPSK	6	0			21.3		21.02	21.01	23	1
1.4	16QAM	1	0			21.54		21.37	21.57		
1.4	16QAM	1	3			21.19		21.33	21.08		
1.4	16QAM	1	5			21.41		21.39	21.41	23	1
1.4	16QAM	3	0			21.39		21.24	21.43		
1.4	16QAM	3	1			21.21		21.35	21.06		
1.4	16QAM	3	3			21.32		21.30	21.22	22	2
1.4	16QAM	6	0			20.05		20.10	20.13		
1.4	8QAM	1	0			20.43		20.43	20.23		
1.4	8QAM	1	3			20.13		20.21	20.29	22	2
1.4	8QAM	1	5			20.29		20.02	20.04		
1.4	8QAM	3	0			20.45		20.22	20.44		
1.4	8QAM	3	1			20.45		20.28	20.13	21	3
1.4	8QAM	3	3			20.14		20.01	20.05		
1.4	8QAM	6	0			19.02		19.15	19.02		

Band 14 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				793					
10	QPSK	1	0	22.26	22.44				
10	QPSK	1	25	22.33			24	0	
10	QPSK	1	49	22.34					
10	QPSK	25	0	21.30					
10	QPSK	25	12	21.21			23	1	
10	QPSK	25	25	21.11					
10	QPSK	50	0	21.04					
10	16QAM	1	0	21.73					
10	16QAM	1	25	21.43			23	1	
10	16QAM	1	49	21.54					
10	16QAM	25	0	20.31					
10	16QAM	25	12	20.15			22	2	
10	16QAM	25	25	20.13					
10	16QAM	50	0	20.17					
10	64QAM	1	0	20.47					
10	64QAM	1	25	20.35			22	2	
10	64QAM	1	49	20.35					
10	64QAM	25	0	19.43					
10	64QAM	25	12	19.21			21	3	
10	64QAM	25	25	19.17					
10	64QAM	50	0	19.12					
Channel									
				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
				790.5	793	795.5			
5	QPSK	1	0	22.26	22.33	22.39			
5	QPSK	1	12	22.33	22.36	22.24	24	0	
5	QPSK	1	24	22.18	22.25	22.35			
5	QPSK	12	0	21.15	21.27	21.11			
5	QPSK	12	7	21.13	21.02	21.03	23	1	
5	QPSK	12	13	21.09	21.05	21.07			
5	QPSK	25	0	21.04	21.05	21.06			
5	16QAM	1	0	21.57	21.69	21.66			
5	16QAM	1	12	21.44	21.32	21.44	23	1	
5	16QAM	1	24	21.36	21.47	21.42			
5	16QAM	12	0	20.21	20.15	20.29			
5	16QAM	12	7	20.02	20.04	20.15	22	2	
5	16QAM	12	13	20.03	20.01	20.08			
5	16QAM	25	0	20.09	20.05	20.15			
5	64QAM	1	0	20.30	20.39	20.31			
5	64QAM	1	12	20.22	20.23	20.17	22	2	
5	64QAM	1	24	20.21	20.17	20.19			
5	64QAM	12	0	19.43	19.26	19.44			
5	64QAM	12	7	19.00	19.13	19.00	21	3	
5	64QAM	12	13	19.04	19.09	19.11			
5	64QAM	25	0	19.06	19.07	19.06			

Band 25 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1860	1860	1905			
20	QPSK	1	0	21.23	21.24	21.19			
20	QPSK	1	49	21.10	21.14	21.03	23	0	
20	QPSK	1	99	21.02	21.08	21.02			
20	QPSK	50	0	20.21	20.31	20.23			
20	QPSK	50	24	20.11	20.19	20.22	22	1	
20	QPSK	50	50	20.10	20.31	20.23			
20	QPSK	100	0	20.00	20.31	20.07			
20	16QAM	1	0	20.24	20.23	20.21			
20	16QAM	1	49	20.23	20.05	20.00	22	1	
20	16QAM	1	99	20.15	20.13	20.03			
20	16QAM	50	0	19.28	19.37	19.29			
20	16QAM	50	24	19.07	19.31	19.15	21	2	
20	16QAM	50	50	19.11	19.36	19.13			
20	16QAM	100	0	19.06	19.28	19.12			
20	64QAM	1	0	19.43	19.51	19.37			
20	64QAM	1	49	19.35	19.40	19.31	21	2	
20	64QAM	1	99	19.43	19.48	19.38			
20	64QAM	50	0	19.36	19.39	19.32			
20	64QAM	50	24	18.34	18.34	18.24	20	3	
20	64QAM	50	50	18.15	18.39	18.15			
20	64QAM	100	0	18.29	18.25	18.13			
Channel									
Frequency (MHz)				1857.5	26340	26615	Tune-up limit (dBm)	MPR (dB)	
				1857.5	1880	1907.5			
15	QPSK	1	0	21.14	21.13	21.11			
15	QPSK	1	37	21.11	21.11	21.04	23	0	
15	QPSK	1	74	21.00	21.02	21.03			
15	QPSK	36	0	20.00	20.18	20.14			
15	QPSK	36	20	20.12	20.06	20.02	22	1	
15	QPSK	36	39	20.07	20.09	20.02			
15	QPSK	75	0	19.95	20.14	19.95			
15	16QAM	1	0	20.12	20.15	20.11	22	1	
15	16QAM	1	37	20.06	20.02	19.83			
15	16QAM	1	74	20.16	20.11	20.04			
15	16QAM	36	0	19.24	19.26	19.29			
15	16QAM	36	20	18.98	19.27	18.95	21	2	
15	16QAM	36	39	19.08	19.14	19.09			
15	16QAM	75	0	19.00	19.23	19.04			
15	64QAM	1	0	19.27	19.38	19.35			
15	64QAM	1	37	19.21	19.18	19.19	21	2	
15	64QAM	1	74	19.44	19.34	19.25			
15	64QAM	36	0	18.26	18.35	18.22			
15	64QAM	36	20	18.17	18.23	18.04	20	3	
15	64QAM	36	39	18.11	18.27	18.06			
15	64QAM	75	0	18.21	18.06	18.04			
Channel									
Frequency (MHz)				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
				1855	1880	1910			
10	QPSK	1	0	21.18	21.06	21.08			
10	QPSK	1	25	21.04	21.08	21.05	23	0	
10	QPSK	1	49	20.97	20.87	20.95			
10	QPSK	25	0	19.99	20.26	20.10			
10	QPSK	25	12	20.00	20.21	20.17	22	1	
10	QPSK	25	25	19.93	20.13	20.03			
10	QPSK	50	0	19.87	20.30	19.85			
10	16QAM	1	0	20.17	20.19	20.07	22	1	
10	16QAM	1	25	20.06	20.06	19.80			
10	16QAM	1	49	20.01	20.10	20.05			
10	16QAM	25	0	19.10	19.33	19.21			
10	16QAM	25	12	18.91	19.27	19.08	21	2	
10	16QAM	25	25	19.09	19.17	19.10			
10	16QAM	50	0	18.89	19.26	19.02			
10	64QAM	1	0	19.23	19.47	19.19			
10	64QAM	1	25	19.18	19.33	19.30	21	2	
10	64QAM	1	49	19.28	19.47	19.16			
10	64QAM	25	0	18.19	18.26	18.21			
10	64QAM	25	12	18.27	18.35	18.16	20	3	
10	64QAM	25	25	17.93	18.27	17.94			
10	64QAM	50	0	18.27	18.12	17.92			
Channel									
Frequency (MHz)				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
				1852.5	1880	1912.5			
5	QPSK	1	0	21.16	21.13	21.14			
5	QPSK	1	12	21.03	20.86	21.03	23	0	
5	QPSK	1	24	20.92	20.99	20.83			
5	QPSK	12	0	20.02	20.15	20.23			
5	QPSK	12	7	20.07	20.16	20.04	22	1	
5	QPSK	12	13	19.95	20.10	20.18			
5	QPSK	25	0	19.95	20.17	19.99			
5	16QAM	1	0	20.16	20.17	20.19	22	1	
5	16QAM	1	12	20.19	19.95	19.82			
5	16QAM	1	24	20.11	19.98	19.83	21	2	
5	16QAM	12	0	19.26	19.26	19.23			
5	16QAM	12	7	19.08	19.30	19.14	21	2	
5	16QAM	12	13	18.99	19.15	19.14			
5	16QAM	25	0	19.07	19.13	18.95			
5	64QAM	1	0	19.39	19.49	19.19			
5	64QAM	1	12	19.20	19.31	19.17	21	2	
5	64QAM	1	24	19.45	19.46	19.17			
5	64QAM	12	0	18.36	18.23	18.10			
5	64QAM	12	7	18.17	18.31	18.21	20	3	
5	64QAM	12	13	18.13	18.19	18.17			
5	64QAM	25	0	18.25	18.15	18.03			
Channel									
Frequency (MHz)				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
				1851.5	1880	1913.5			
3	QPSK	1	0	21.22	21.20	21.14			
3	QPSK	1	8	21.01	21.03	20.83	23	0	
3	QPSK	1	14	20.82	20.88	20.93			
3	QPSK	8	0	20.02	20.25	20.08			
3	QPSK	8	4	19.91	19.98	20.09	22	1	
3	QPSK	8	7	19.95	20.07	20.14			
3	QPSK	15	0	19.83	20.22	19.86			
3	16QAM	1	0	20.13	20.07	20.14			
3	16QAM	1	8	20.21	19.98	20.01	22	1	
3	16QAM	1	14	19.96	20.02	19.90			
3	16QAM	8	0	19.27	19.33	19.26			
3	16QAM	8	4	19.34	19.34	19.10	21	2	
3	16QAM	8	7	19.06	19.18	19.11			
3	16QAM	15	0	18.91	19.27	19.09			
3	64QAM	1	0	19.28	19.48	19.35			
3	64QAM	1	8	19.26	19.27	19.31	21	2	
3	64QAM	1	14	19.32	19.36	19.27			
3	64QAM	8	0	18.20	18.22	18.14			
3	64QAM	8	4	18.35	18.25	18.08	20	3	
3	64QAM	8	7	18.09	18.20	17.94			
3	64QAM	15	0	18.22	18.23	18.08			
Channel									
Frequency (MHz)				1850.7	1880	1914.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	21.07	21.14	21.01			
1.4	QPSK	1	3	21.06	21.10	20.99	23	0	
1.4	QPSK	1	5	20.85	21.09	20.98			
1.4	QPSK	3	0	21.08	21.09	21.08			
1.4	QPSK	3	3	21.01	21.12	20.99	22	1	
1.4	QPSK	3	3	20.88	21.00	20.88			
1.4	QPSK	3	5	20.92	20.91	20.91			
1.4	16QAM	1	0	20.20	20.16	20.15			
1.4	16QAM	1	3	20.12	20.00	19.84	22	1	
1.4	16QAM	1	5	20.04	20.15	19.81			
1.4	16QAM	3	0	19.82	20.19	19.89			
1.4	16QAM	3	1	20.17	20.17	20.07			
1.4	16QAM	3	3	20.07	19.97	19.97	21	2	
1.4	16QAM	6	0	18.91	19.29	18.90			
1.4	64QAM	1	0	19.42	19.45	19.37			
1.4	64QAM	1	3	19.30	19.25	19.16			
1.4	64QAM	1	5	19.40	19.31	19.29	21	2	
1.4	64QAM	3	0	19.31	19.31	19.26			
1.4	64QAM	3	1	19.44	19.26	19.25			
1.4	64QAM	3	3	19.44	19.27	19.34			
1.4	64QAM	6	0	18.27	18.16	17.96	20	3	

Band 30 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
10	QPSK	1	0	22.23			24	0	
10	QPSK	1	25	22.10					
10	QPSK	1	49	22.11					
10	QPSK	25	0	21.89					
10	QPSK	25	12	21.80			23	1	
10	QPSK	25	25	21.72					
10	QPSK	50	0	21.72					
10	16QAM	1	0	21.68					
10	16QAM	1	25	21.51			23	1	
10	16QAM	1	49	21.57					
10	16QAM	25	0	20.84					
10	16QAM	25	12	20.71					
10	16QAM	25	25	20.53			22	2	
10	16QAM	50	0	20.74					
10	64QAM	1	0	20.51					
10	64QAM	1	25	20.41					
10	64QAM	1	49	20.31			22	2	
10	64QAM	25	0	19.82					
10	64QAM	25	12	19.70					
10	64QAM	25	25	19.69					
10	64QAM	50	0	19.58			21	3	
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	22.06	22.07	22.01	24	0	
5	QPSK	1	19	22.05	22.04	22.11			
5	QPSK	1	24	22.07	22.06	22.09			
5	QPSK	12	0	21.70	21.80	21.75			
5	QPSK	12	7	21.65	21.70	21.81	23	1	
5	QPSK	12	13	21.61	21.70	21.66			
5	QPSK	25	0	21.69	21.65	21.70			
5	16QAM	1	0	21.53	21.52	21.59			
5	16QAM	1	12	21.37	21.39	21.50	23	1	
5	16QAM	1	24	21.53	21.36	21.36			
5	16QAM	12	0	20.78	20.72	20.79			
5	16QAM	12	7	20.63	20.61	20.66			
5	16QAM	12	13	20.38	20.44	20.41	22	2	
5	16QAM	25	0	20.70	20.63	20.66			
5	64QAM	1	0	20.35	20.49	20.43			
5	64QAM	1	12	20.22	20.19	20.43			
5	64QAM	1	24	20.23	20.18	20.11	22	2	
5	64QAM	12	0	19.73	19.61	19.64			
5	64QAM	12	7	19.51	19.49	19.57			
5	64QAM	12	13	19.55	19.59	19.60			
5	64QAM	25	0	19.43	19.60	19.42	21	3	
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5			

Band 66 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1712.5	1745	1775			
20	QPSK	1	0	21.19	21.29	21.07	23	0	
20	QPSK	1	49	21.03	21.13	21.02			
20	QPSK	1	99	21.08	21.04	21.05			
20	QPSK	50	0	20.34	20.43	20.30			
20	QPSK	50	24	20.15	20.12	20.20	22	1	
20	QPSK	50	50	20.26	20.27	20.14			
20	QPSK	100	0	20.24	20.23	20.14			
20	16QAM	1	0	20.42	20.56	20.45			
20	16QAM	1	49	20.22	20.44	20.30	22	1	
20	16QAM	1	99	20.32	20.42	20.19			
20	16QAM	50	0	19.37	19.46	19.35			
20	16QAM	50	24	19.27	19.38	19.19			
20	16QAM	50	50	19.13	19.34	19.10	21	2	
20	16QAM	100	0	19.22	19.22	19.14			
20	64QAM	1	0	19.35	19.52	19.39			
20	64QAM	1	49	19.03	19.31	19.10			
20	64QAM	1	99	19.07	19.41	19.08	21	2	
20	64QAM	50	0	18.19	19.38	19.27			
20	64QAM	50	24	18.02	18.23	18.11			
20	64QAM	50	50	18.22	18.27	18.11			
20	64QAM	100	0	18.06	18.14	18.04	20	3	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	21.04	21.20	21.03	23	0	
15	QPSK	1	37	21.06	21.02	21.03			
15	QPSK	1	74	21.05	21.03	21.01			
15	QPSK	36	0	20.16	20.38	20.20			
15	QPSK	36	20	20.16	20.02	20.11	22	1	
15	QPSK	36	39	20.10	20.13	20.10			
15	QPSK	75	0	20.17	20.17	20.16			
15	16QAM	1	0	20.37	20.43	20.43			
15	16QAM	1	37	20.22	20.23	20.24	22	1	
15	16QAM	1	74	20.15	20.41	20.16			
15	16QAM	36	0	19.33	19.44	19.20			
15	16QAM	36	20	19.27	19.26	19.12			
15	16QAM	36	39	19.03	19.19	19.12	21	2	
15	16QAM	75	0	19.20	19.14	19.11			
15	64QAM	1	0	19.21	19.38	19.34			
15	64QAM	1	37	19.12	19.32	19.07			
15	64QAM	1	74	19.10	19.39	19.09	21	2	
15	64QAM	36	0	18.13	18.19	18.16			
15	64QAM	36	20	18.03	18.01	18.06			
15	64QAM	36	39	18.11	18.14	18.03			
15	64QAM	75	0	18.13	18.05	18.12	20	3	
Channel				132022	132322	132522			
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	21.18	21.10	21.06	23	0	
10	QPSK	1	25	21.03	21.12	21.13			
10	QPSK	1	49	21.11	21.06	21.01			
10	QPSK	25	0	20.19	20.38	20.27			
10	QPSK	25	12	20.16	20.10	20.15	22	1	
10	QPSK	25	25	20.14	20.09	20.02			
10	QPSK	50	0	20.08	20.04	20.06			
10	16QAM	1	0	20.25	20.47	20.30			
10	16QAM	1	25	20.18	20.28	20.09	22	1	
10	16QAM	1	49	20.30	20.28	20.03			
10	16QAM	25	0	19.34	19.30	19.15			
10	16QAM	25	12	19.08	19.39	19.15			
10	16QAM	25	25	19.00	19.14	19.06	21	2	
10	16QAM	50	0	19.04	19.05	19.08			
10	64QAM	1	0	19.23	19.30	19.30			
10	64QAM	1	25	19.23	19.27	19.12			
10	64QAM	1	49	19.02	19.33	19.22	21	2	
10	64QAM	25	0	18.05	18.31	18.24			
10	64QAM	25	12	18.12	18.25	18.11			
10	64QAM	25	25	18.13	18.13	18.06			
10	64QAM	50	0	18.03	18.06	18.12	20	3	
Channel				131997	132322	132647			
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	21.11	21.20	21.03	23	0	
5	QPSK	1	12	21.03	21.13	21.06			
5	QPSK	1	24	21.09	21.03	21.10			
5	QPSK	12	0	20.29	20.30	20.12			
5	QPSK	12	7	20.04	20.08	20.06	22	1	
5	QPSK	12	13	20.11	20.17	20.10			
5	QPSK	25	0	20.06	20.24	20.09			
5	16QAM	1	0	20.27	20.43	20.24			
5	16QAM	1	12	20.19	20.29	20.24	22	1	
5	16QAM	1	24	20.22	20.34	20.12			
5	16QAM	12	0	19.24	19.29	19.20			
5	16QAM	12	7	19.18	19.29	19.08			
5	16QAM	12	13	19.22	19.30	19.19	21	2	
5	16QAM	25	0	19.22	19.21	19.00			
5	64QAM	1	0	19.14	19.39	19.31			
5	64QAM	1	12	19.13	19.31	19.08			
5	64QAM	1	24	19.08	19.19	19.02	21	2	
5	64QAM	12	0	18.20	18.33	18.08			
5	64QAM	12	7	18.06	18.15	18.04			
5	64QAM	12	13	18.11	18.06	18.01			
5	64QAM	25	0	18.04	18.03	18.02	20	3	
Channel				131992	132322	132657			
Frequency (MHz)				1715.5	1745	1777.5			
3	QPSK	1	0	21.18	21.07	21.07	23	0	
3	QPSK	1	8	21.03	21.13	21.11			
3	QPSK	1	14	21.09	21.11	21.06			
3	QPSK	8	0	20.29	20.25	20.18			
3	QPSK	8	4	20.06	20.00	20.15	22	1	
3	QPSK	8	7	20.11	20.20	20.11			
3	QPSK	15	0	20.13	20.21	20.06			
3	16QAM	1	0	20.41	20.39	20.39			
3	16QAM	1	8	20.23	20.28	20.13	22	1	
3	16QAM	1	14	20.12	20.34	20.09			
3	16QAM	8	0	19.17	19.31	19.28			
3	16QAM	8	4	19.21	19.18	19.09			
3	16QAM	8	7	19.06	19.19	19.12	21	2	
3	16QAM	15	0	19.05	19.24	19.10			
3	64QAM	1	0	19.23	19.31	19.24			
3	64QAM	1	8	19.12	19.26	19.03			
3	64QAM	1	14	19.19	19.41	19.00	21	2	
3	64QAM	8	0	18.04	18.29	18.12			
3	64QAM	8	4	18.22	18.22	18.04			
3	64QAM	8	7	18.12	18.14	18.12			
3	64QAM	15	0	18.09	18.10	18.06	20	3	
Channel				131979	132322	132665			
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	21.08	21.15	21.11	23	0	
1.4	QPSK	1	3	21.10	21.18	21.09			
1.4	QPSK	1	5	21.03	21.11	21.10			
1.4	QPSK	3	0	20.00	21.18	20.09			
1.4	QPSK	3	1	21.06	21.03	21.00	22	1	
1.4	QPSK	3	3	21.03	20.31	20.06			
1.4	QPSK	15	0	20.14	20.21	20.06			
1.4	16QAM	1	0	20.27	20.39	20.38			
1.4	16QAM	1	3	20.15	20.34	20.24	22	1	
1.4	16QAM	1	5	20.18	20.40	20.08			
1.4	16QAM	3	0	20.05	20.10	20.04			
1.4	16QAM	3	1	20.22	20.40	20.31			
1.4	16QAM	3	3	20.14	20.40	20.15	21	2	
1.4	16QAM	6	0	19.14	19.09	19.12			
1.4	64QAM	1	0	19.20	19.38	19.28			
1.4	64QAM	1	3	19.22	19.24	19.21			
1.4	64QAM	1	5	19.02	19.34	19.06	21	2	
1.4	64QAM	3	0	19.33	19.37	19.30			
1.4	64QAM	3	1	19.12	19.13	19.03			
1.4	64QAM	3	3	19.08	19.26	19.03			
1.4	64QAM	6	0	18.02	18.02	18.13	20	3	

Band 48 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	22.49	22.67	22.50	22.31	24	0
20	QPSK	1	49	22.43	22.24	22.46	22.21		
20	QPSK	1	99	22.26	22.20	22.20	22.25		
20	QPSK	50	0	21.19	21.36	21.18	21.35		
20	QPSK	50	24	21.19	21.19	21.11	21.16	23	1
20	QPSK	50	50	21.02	21.25	21.03	21.26		
20	QPSK	100	0	21.03	21.21	21.16	21.17		
20	16QAM	1	0	21.13	21.37	21.15	21.20		
20	16QAM	1	49	21.00	21.16	21.18	21.16	23	1
20	16QAM	1	99	21.18	21.21	21.13	21.11		
20	16QAM	50	0	20.19	20.37	20.13	20.17		
20	16QAM	50	24	20.01	20.20	20.05	20.01		
20	16QAM	50	50	20.28	20.19	20.29	20.05	22	2
20	16QAM	100	0	20.02	20.07	20.19	20.26		
20	64QAM	1	0	20.03	20.15	20.00	20.05		
20	64QAM	1	49	20.18	20.00	20.20	20.13		
20	64QAM	1	99	20.22	20.24	20.29	20.14	21	3
20	64QAM	50	0	19.08	19.37	19.06	19.05		
20	64QAM	50	24	19.26	19.19	19.12	19.18		
20	64QAM	50	50	19.18	19.17	19.17	19.12		
20	64QAM	100	0	19.13	19.05	19.19	19.27	Tune-up limit (dBm)	MPR (dB)
Channel				55315	55820	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	22.33	22.50	22.44	22.21		
15	QPSK	1	37	22.31	22.12	22.35	22.16	24	0
15	QPSK	1	74	22.23	22.20	22.16	22.25		
15	QPSK	36	0	21.08	21.19	21.26	21.19		
15	QPSK	36	20	21.20	21.10	21.04	21.09		
15	QPSK	36	39	21.19	21.07	21.19	21.04	23	1
15	QPSK	75	0	21.17	21.16	21.09	21.03		
15	16QAM	1	0	21.12	21.27	21.13	21.18		
15	16QAM	1	37	21.18	21.02	21.08	21.01		
15	16QAM	1	74	21.17	21.20	21.13	21.13	22	2
15	16QAM	36	0	20.01	20.28	20.00	20.02		
15	16QAM	36	20	20.00	20.00	20.19	20.12		
15	16QAM	36	39	20.19	20.06	20.14	20.16		
15	16QAM	75	0	20.03	20.17	20.05	20.07	22	2
15	64QAM	1	0	20.16	20.14	20.16	20.14		
15	64QAM	1	37	20.17	20.12	20.01	20.11		
15	64QAM	1	74	20.01	20.21	20.11	20.04		
15	64QAM	36	0	19.08	19.33	19.14	19.06	21	3
15	64QAM	36	20	19.24	19.09	19.29	19.14		
15	64QAM	36	39	19.11	19.08	19.18	19.00		
15	64QAM	75	0	19.09	19.14	19.06	19.08		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3597.5	3642.5	3695		
10	QPSK	1	0	22.29	22.50	22.51	22.21	24	0
10	QPSK	1	25	22.35	22.11	22.27	22.14		
10	QPSK	1	49	22.09	22.21	22.21	22.06		
10	QPSK	25	0	21.19	21.20	21.17	21.27		
10	QPSK	25	12	21.13	21.02	21.08	21.02	23	1
10	QPSK	25	25	21.17	21.12	21.07	21.22		
10	QPSK	50	0	21.08	21.01	21.20	21.06		
10	16QAM	1	0	21.08	21.35	21.03	21.05		
10	16QAM	1	25	21.17	21.05	21.09	21.13	23	1
10	16QAM	1	49	21.01	21.17	21.13	21.03		
10	16QAM	25	0	20.12	20.17	20.01	20.11		
10	16QAM	25	12	20.01	20.04	20.03	20.02		
10	16QAM	25	25	20.29	20.15	20.29	20.04	22	2
10	16QAM	50	0	20.06	20.00	20.19	20.16		
10	64QAM	1	0	20.09	20.08	20.01	20.02		
10	64QAM	1	25	20.00	20.09	20.21	20.01		
10	64QAM	1	49	20.06	20.03	20.30	20.15	21	3
10	64QAM	25	0	19.04	19.21	19.07	19.09		
10	64QAM	25	12	19.05	19.16	19.08	19.06		
10	64QAM	25	25	19.01	19.09	19.07	19.02		
10	64QAM	50	0	19.01	19.05	19.20	19.18	Tune-up limit (dBm)	MPR (dB)
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3597	3643	3697.5		
5	QPSK	1	0	22.37	22.51	22.49	22.13		
5	QPSK	1	12	22.34	22.11	22.31	22.03	24	0
5	QPSK	1	24	22.24	22.04	22.17	22.13		
5	QPSK	12	0	21.14	21.31	21.05	21.32		
5	QPSK	12	7	21.18	21.08	21.02	21.11		
5	QPSK	12	13	21.02	21.21	21.00	21.24	23	1
5	QPSK	25	0	21.02	21.00	21.20	21.07		
5	16QAM	1	0	21.03	21.17	21.09	21.12		
5	16QAM	1	12	21.04	21.07	21.14	21.15		
5	16QAM	1	24	21.08	21.08	21.02	21.09	22	2
5	16QAM	12	0	20.03	20.17	20.07	20.06		
5	16QAM	12	7	20.08	20.18	20.04	20.07		
5	16QAM	12	13	20.19	20.17	20.25	20.05		
5	16QAM	25	0	20.01	20.09	20.21	20.19	22	2
5	64QAM	1	0	20.08	20.06	20.09	20.09		
5	64QAM	1	12	20.07	20.01	20.02	20.04		
5	64QAM	1	24	20.24	20.04	20.09	20.06		
5	64QAM	12	0	19.02	19.29	19.00	19.20	21	3
5	64QAM	12	7	19.08	19.20	19.05	19.08		
5	64QAM	12	13	19.09	19.02	19.14	19.05		
5	64QAM	25	0	19.14	19.07	19.19	19.24		



Band 2 Ant 4 SA 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 Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)			
20	QPSK	1	0	20.92	21.15	21.00	22	0			
20	QPSK	1	49	20.79	21.01	20.80					
20	QPSK	1	99	20.83	20.92	20.81					
20	QPSK	50	0	20.06	20.38	20.22	21.5	0.5			
20	QPSK	50	24	19.93	20.11	20.06					
20	QPSK	50	50	19.89	20.24	19.83					
20	QPSK	100	0	19.87	20.13	20.04	21.5	0.5			
20	16QAM	1	0	20.90	21.01	20.88					
20	16QAM	1	49	20.71	20.72	20.59					
20	16QAM	1	99	20.58	20.77	20.59	20.5	1.5			
20	16QAM	50	0	19.41	19.55	19.44					
20	16QAM	50	24	19.17	19.32	19.26					
20	16QAM	50	50	19.10	19.30	19.27	20.5	1.5			
20	64QAM	1	0	18.62	18.57	18.65					
20	64QAM	1	49	18.66	18.64	18.65					
20	64QAM	1	99	18.63	18.65	18.64	20.5	1.5			
20	64QAM	50	0	17.51	17.67	17.66					
20	64QAM	50	24	17.54	17.55	17.63					
20	64QAM	50	50	17.53	17.59	17.58	19.5	2.5			
20	64QAM	100	0	17.51	17.50	17.71					
Channel Frequency (MHz)									18675	18900	19125
							1857.5	1880	1902.5		
15	QPSK	1	0	20.97	21.10	20.98	22	0			
15	QPSK	1	37	20.77	20.95	20.81					
15	QPSK	1	74	20.76	20.94	20.76					
15	QPSK	36	0	19.87	20.18	20.03	21.5	0.5			
15	QPSK	36	20	19.72	19.98	20.01					
15	QPSK	36	39	19.73	20.12	19.86					
15	QPSK	75	0	19.83	19.96	19.93	21.5	0.5			
15	16QAM	1	0	20.84	20.87	20.78					
15	16QAM	1	37	20.71	20.54	20.43					
15	16QAM	1	74	20.58	20.62	20.46	20.5	1.5			
15	16QAM	36	0	19.38	19.34	19.35					
15	16QAM	36	20	19.05	19.10	19.07					
15	16QAM	36	39	19.00	19.17	19.14	20.5	1.5			
15	16QAM	75	0	19.05	19.15	19.34					
15	64QAM	1	0	18.58	18.55	18.54					
15	64QAM	1	37	18.59	18.56	18.58	20.5	1.5			
15	64QAM	1	74	18.55	18.59	18.65					
15	64QAM	36	0	17.54	17.50	17.65					
15	64QAM	36	20	17.56	17.58	17.62	19.5	2.5			
15	64QAM	36	39	17.54	17.52	17.53					
15	64QAM	75	0	17.54	17.57	17.67					
Channel Frequency (MHz)							18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
							1855	1880	1905		
10	QPSK	1	0	20.87	21.10	20.92	22	0			
10	QPSK	1	25	20.69	20.92	20.73					
10	QPSK	1	49	20.75	20.81	20.72					
10	QPSK	25	0	19.87	20.28	20.08	21.5	0.5			
10	QPSK	25	12	19.85	19.90	20.00					
10	QPSK	25	25	19.84	20.10	19.94					
10	QPSK	50	0	19.74	19.97	19.84	21.5	0.5			
10	16QAM	1	0	20.86	20.83	20.83					
10	16QAM	1	25	20.68	20.53	20.60					
10	16QAM	1	49	20.45	20.77	20.54	20.5	1.5			
10	16QAM	25	0	19.23	19.16	19.27					
10	16QAM	25	12	19.14	19.14	19.17					
10	16QAM	25	25	19.01	19.20	19.10	20.5	1.5			
10	16QAM	50	0	19.03	19.31	19.30					
10	64QAM	1	0	18.51	18.55	18.51					
10	64QAM	1	25	18.58	18.59	18.57	20.5	1.5			
10	64QAM	1	49	18.59	18.55	18.56					
10	64QAM	25	0	17.58	17.68	17.54					
10	64QAM	25	12	17.56	17.68	17.54	19.5	2.5			
10	64QAM	25	25	17.57	17.57	17.61					
10	64QAM	50	0	17.57	17.58	17.71					
Channel Frequency (MHz)							18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
							1852.5	1880	1907.5		
5	QPSK	1	0	20.80	21.06	20.87	22	0			
5	QPSK	1	12	20.72	20.91	20.72					
5	QPSK	1	24	20.71	20.86	20.70					
5	QPSK	12	0	19.89	20.31	20.05	21.5	0.5			
5	QPSK	12	7	19.83	20.08	20.04					
5	QPSK	12	13	19.85	20.22	20.08					
5	QPSK	25	0	19.66	19.92	20.03	21.5	0.5			
5	16QAM	1	0	20.69	20.54	20.62					
5	16QAM	1	12	20.66	20.53	20.55					
5	16QAM	1	24	20.51	20.64	20.53	20.5	1.5			
5	16QAM	12	0	19.19	19.44	19.40					
5	16QAM	12	7	19.09	19.30	19.18					
5	16QAM	12	13	18.95	19.09	19.28	20.5	1.5			
5	16QAM	25	0	19.09	19.27	19.25					
5	64QAM	1	0	18.51	18.55	18.58					
5	64QAM	1	12	18.61	18.56	18.57	20.5	1.5			
5	64QAM	1	24	18.51	18.56	18.57					
5	64QAM	12	0	17.56	17.64	17.66					
5	64QAM	12	7	17.57	17.56	17.63	19.5	2.5			
5	64QAM	12	13	17.50	17.56	17.55					
5	64QAM	25	0	17.52	17.58	17.64					
Channel Frequency (MHz)							18615	18900	19165	Tune-up limit (dBm)	MPR (dB)
							1851.5	1880	1908.5		
3	QPSK	1	0	20.79	21.08	20.85	22	0			
3	QPSK	1	8	20.71	20.88	20.67					
3	QPSK	1	14	20.71	20.82	20.67					
3	QPSK	8	0	20.00	20.22	20.15	21.5	0.5			
3	QPSK	8	4	19.92	20.09	19.84					
3	QPSK	8	7	19.78	20.08	19.84					
3	QPSK	15	0	19.70	19.98	20.02	21.5	0.5			
3	16QAM	1	0	20.91	20.87	20.76					
3	16QAM	1	8	20.58	20.62	20.54					
3	16QAM	1	14	20.52	20.58	20.48	20.5	1.5			
3	16QAM	8	0	19.33	19.48	19.36					
3	16QAM	8	4	19.08	19.30	19.17					
3	16QAM	8	7	19.11	19.18	19.16	20.5	1.5			
3	16QAM	15	0	19.18	19.12	19.20					
3	64QAM	1	0	18.62	18.54	18.62					
3	64QAM	1	8	18.59	18.59	18.57	20.5	1.5			
3	64QAM	1	14	18.58	18.64	18.65					
3	64QAM	8	0	17.58	17.59	17.54					
3	64QAM	8	4	17.52	17.57	17.55	19.5	2.5			
3	64QAM	8	7	17.58	17.57	17.53					
3	64QAM	15	0	17.53	17.51	17.69					
Channel Frequency (MHz)							18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
							1850	1875	1902.5		
1.4	QPSK	1	0	20.84	21.09	20.86	22	0			
1.4	QPSK	1	3	20.67	20.94	20.74					
1.4	QPSK	1	5	20.76	20.88	20.70					
1.4	QPSK	3	0	20.82	20.77	20.84	21.5	0.5			
1.4	QPSK	3	1	20.74	20.77	20.55					
1.4	QPSK	3	3	20.61	20.64	20.51					
1.4	QPSK	6	0	19.87	20.02	19.84	21.5	0.5			
1.4	16QAM	1	0	20.69	20.82	20.78					
1.4	16QAM	1	3	20.63	20.59	20.52					
1.4	16QAM	1	5	20.42	20.58	20.66	21.5	0.5			
1.4	16QAM	3	0	20.89	20.84	20.80					
1.4	16QAM	3	1	20.73	20.59	20.43					
1.4	16QAM	3	3	20.40	20.40	20.42	20.5	1.5			
1.4	16QAM	6	0	19.19	19.34	19.21					
1.4	64QAM	1	0	18.51	18.56	18.66					
1.4	64QAM	1	3	18.54	18.55	18.63	20.5	1.5			
1.4	64QAM	1	5	18.53	18.61	18.64					
1.4	64QAM	3	0	18.51	18.62	18.62					
1.4	64QAM	3	1	18.53	18.53	18.64	19.5	2.5			
1.4	64QAM	3	3	18.58	18.62	18.57					
1.4	64QAM	6	0	17.59	17.65	17.69					

Band 66 Ant 4 SA 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 Ch. / Freq.	
Channel				13072	13222	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	20.72	20.83	20.59	22	0	
20	QPSK	1	49	20.58	20.60	20.55			
20	QPSK	1	99	20.56	20.54	20.53			
20	QPSK	50	0	20.34	20.43	20.30	21.5	0.5	
20	QPSK	50	24	20.15	20.12	20.20			
20	QPSK	50	50	20.26	20.27	20.14			
20	QPSK	100	0	20.21	20.23	20.14	21.5	0.5	
20	16QAM	1	0	20.42	20.56	20.45			
20	16QAM	1	49	20.22	20.44	20.30			
20	16QAM	1	99	20.32	20.42	20.19	20.5	1.5	
20	16QAM	50	0	19.37	19.46	19.35			
20	16QAM	50	24	19.27	19.38	19.19			
20	16QAM	50	50	19.13	19.34	19.10	20.5	1.5	
20	16QAM	100	0	19.22	19.22	19.14			
20	64QAM	1	0	19.35	19.52	19.39			
20	64QAM	1	49	19.03	19.31	19.10	20.5	1.5	
20	64QAM	1	99	19.07	19.41	19.08			
20	64QAM	50	0	18.19	18.38	18.27			
20	64QAM	50	24	18.12	18.23	18.11	19.5	2.5	
20	64QAM	50	50	18.18	18.27	18.11			
20	64QAM	100	0	18.15	18.14	18.04			
Channel				130447	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	20.64	20.75	20.52	22	0	
15	QPSK	1	37	20.57	20.56	20.53			
15	QPSK	1	74	20.56	20.53	20.54			
15	QPSK	36	0	20.16	20.38	20.20	21.5	0.5	
15	QPSK	36	20	20.16	20.02	20.11			
15	QPSK	36	39	20.10	20.13	20.12			
15	QPSK	75	0	20.17	20.17	20.16	21.5	0.5	
15	16QAM	1	0	20.37	20.37	20.43			
15	16QAM	1	37	20.22	20.23	20.24			
15	16QAM	1	74	20.15	20.41	20.16	20.5	1.5	
15	16QAM	36	0	19.33	19.44	19.20			
15	16QAM	36	20	19.27	19.26	19.12			
15	16QAM	36	39	19.03	19.19	19.16	20.5	1.5	
15	16QAM	75	0	19.20	19.14	19.16			
15	64QAM	1	0	19.21	19.38	19.34			
15	64QAM	1	37	19.09	19.32	19.07	20.5	1.5	
15	64QAM	1	74	19.19	19.39	19.09			
15	64QAM	36	0	18.13	18.19	18.16			
15	64QAM	36	20	18.09	18.01	18.03	19.5	2.5	
15	64QAM	36	39	18.05	18.14	18.03			
15	64QAM	75	0	18.06	18.05	18.01			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	20.69	20.73	20.61	22	0	
10	QPSK	1	25	20.58	20.60	20.53			
10	QPSK	1	49	20.56	20.51	20.51			
10	QPSK	25	0	20.19	20.38	20.27	21.5	0.5	
10	QPSK	25	12	20.16	20.17	20.15			
10	QPSK	25	25	20.14	20.09	20.02			
10	QPSK	50	0	20.08	20.04	20.05	21.5	0.5	
10	16QAM	1	0	20.25	20.47	20.30			
10	16QAM	1	25	20.18	20.28	20.09			
10	16QAM	1	49	20.30	20.28	20.03	20.5	1.5	
10	16QAM	25	0	19.34	19.30	19.15			
10	16QAM	25	12	19.08	19.39	19.15			
10	16QAM	25	25	19.00	19.14	19.16	20.5	1.5	
10	16QAM	50	0	19.04	19.05	19.08			
10	64QAM	1	0	19.23	19.30	19.30			
10	64QAM	1	25	19.14	19.27	19.12	20.5	1.5	
10	64QAM	1	49	19.13	19.33	19.15			
10	64QAM	25	0	18.05	18.31	18.24			
10	64QAM	25	12	18.14	18.25	18.11	19.5	2.5	
10	64QAM	25	25	18.12	18.13	18.11			
10	64QAM	50	0	18.16	18.20	18.16			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	20.65	20.81	20.59	22	0	
5	QPSK	1	12	20.55	20.59	20.54			
5	QPSK	1	24	20.55	20.54	20.53			
5	QPSK	12	0	20.29	20.30	20.12	21.5	0.5	
5	QPSK	12	7	20.04	20.06	20.05			
5	QPSK	12	13	20.11	20.17	20.10			
5	QPSK	25	0	20.06	20.24	20.09	21.5	0.5	
5	16QAM	1	0	20.27	20.43	20.24			
5	16QAM	1	12	20.19	20.29	20.24			
5	16QAM	1	24	20.22	20.34	20.12	20.5	1.5	
5	16QAM	12	0	19.24	19.24	19.20			
5	16QAM	12	7	19.18	19.29	19.08			
5	16QAM	12	13	19.23	19.30	19.24	20.5	1.5	
5	16QAM	25	0	19.22	19.21	19.00			
5	64QAM	1	0	19.14	19.39	19.32			
5	64QAM	1	12	19.17	19.31	19.06	20.5	1.5	
5	64QAM	1	24	19.13	19.19	19.12			
5	64QAM	12	0	18.20	18.33	18.06			
5	64QAM	12	7	18.06	18.15	18.04	19.5	2.5	
5	64QAM	12	13	18.05	18.06	18.01			
5	64QAM	25	0	18.08	18.03	18.05			
Channel				131997	132322	132657	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1775.5			
3	QPSK	1	0	20.73	20.76	20.59	22	0	
3	QPSK	1	8	20.58	20.59	20.53			
3	QPSK	1	14	20.55	20.52	20.53			
3	QPSK	8	0	20.29	20.25	20.18	21.5	0.5	
3	QPSK	8	4	20.12	20.20	20.15			
3	QPSK	8	7	20.11	20.09	20.11			
3	QPSK	15	0	20.13	20.21	20.12	21.5	0.5	
3	16QAM	1	0	20.41	20.39	20.39			
3	16QAM	1	8	20.23	20.28	20.13			
3	16QAM	1	14	20.12	20.34	20.09	20.5	1.5	
3	16QAM	8	0	19.17	19.31	19.28			
3	16QAM	8	4	19.21	19.18	19.09			
3	16QAM	8	7	19.13	19.19	19.14	20.5	1.5	
3	16QAM	15	0	19.05	19.24	19.10			
3	64QAM	1	0	19.23	19.31	19.24			
3	64QAM	1	8	19.22	19.26	19.21	20.5	1.5	
3	64QAM	1	14	19.21	19.25	19.16			
3	64QAM	8	0	18.04	18.28	18.12			
3	64QAM	8	4	18.17	18.22	18.04	19.5	2.5	
3	64QAM	8	7	18.17	18.14	18.16			
3	64QAM	15	0	18.12	18.10	18.13			
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7 <th>1745<th>1775.3</th></th>	1745 <th>1775.3</th>	1775.3			
1.4	QPSK	1	0	20.58	20.66	20.56	22	0	
1.4	QPSK	1	3	20.59	20.60	20.53			
1.4	QPSK	1	5	20.57	20.52	20.55			
1.4	QPSK	3	0	20.58	20.58	20.55	21.5	0.5	
1.4	QPSK	3	1	20.53	20.53	20.53			
1.4	QPSK	3	3	20.50	20.51	20.57			
1.4	QPSK	6	0	20.14	20.21	20.15	21.5	0.5	
1.4	16QAM	1	0	20.21	20.36	20.30			
1.4	16QAM	1	3	20.15	20.34	20.24			
1.4	16QAM	1	5	20.18	20.40	20.08	21.5	0.5	
1.4	16QAM	3	0	20.05	20.10	20.04			
1.4	16QAM	3	1	20.22	20.40	20.31			
1.4	16QAM	3	3	20.14	20.37	20.25	20.5	1.5	
1.4	16QAM	6	0	19.14	19.09	19.28			
1.4	16QAM	6	1	19.20	19.38	19.28			
1.4	64QAM	1	3	19.20	19.24	19.16	20.5	1.5	
1.4	64QAM	1	5	19.02	19.34	19.13			
1.4	64QAM	3	0	19.33	19.37	19.30			
1.4	64QAM	3	1	19.17	19.17	19.03	20.5	1.5	
1.4	64QAM	3	3	19.08	19.28	19.23			
1.4	64QAM	6	0	19.05	19.06	19.01			

Band 48 Ant 5 SA DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640	18	0
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.42	16.63	16.44	16.20	18	0
20	QPSK	1	49	16.38	16.27	16.50	16.24		
20	QPSK	1	99	16.22	16.21	16.17	16.28		
20	QPSK	50	0	16.40	16.59	16.46	16.21		
20	QPSK	50	24	16.34	16.24	16.44	16.16	18	0
20	QPSK	50	50	16.16	16.14	16.13	16.22		
20	QPSK	100	0	16.38	16.54	16.45	16.24		
20	16QAM	1	0	16.42	16.54	16.41	16.21		
20	16QAM	1	49	16.34	16.21	16.46	16.21	18	0
20	16QAM	1	99	16.17	16.18	16.12	16.23		
20	16QAM	50	0	16.37	16.32	16.40	16.17		
20	16QAM	50	24	16.27	16.19	16.37	16.09		
20	16QAM	50	50	16.14	16.06	16.05	16.19	18	0
20	16QAM	100	0	16.33	16.62	16.37	16.21		
20	64QAM	1	0	16.41	16.58	16.42	16.21		
20	64QAM	1	49	16.35	16.20	16.46	16.19	18	0
20	64QAM	1	99	16.18	16.15	16.13	16.21		
20	64QAM	50	0	16.32	16.31	16.41	16.17		
20	64QAM	50	24	16.29	16.21	16.36	16.10		
20	64QAM	50	50	16.12	16.07	16.09	16.14	18	0
20	64QAM	100	0	16.30	16.58	16.39	16.17		
Channel				55315	55820	56160	56665	18	0
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.35	16.61	16.40	16.12	18	0
15	QPSK	1	37	16.33	16.24	16.45	16.17		
15	QPSK	1	74	16.19	16.18	16.14	16.21		
15	QPSK	36	0	16.34	16.51	16.38	16.19		
15	QPSK	36	20	16.32	16.18	16.39	16.10	18	0
15	QPSK	36	39	16.10	16.12	16.06	16.16		
15	QPSK	75	0	16.35	16.47	16.39	16.21		
15	16QAM	1	0	16.37	16.51	16.36	16.15		
15	16QAM	1	37	16.28	16.16	16.42	16.14	18	0
15	16QAM	1	74	16.13	16.14	16.05	16.19		
15	16QAM	36	0	16.34	16.27	16.32	16.12		
15	16QAM	36	20	16.24	16.16	16.34	16.05		
15	16QAM	36	39	16.09	16.03	16.00	16.11	18	0
15	16QAM	75	0	16.28	16.54	16.32	16.14		
15	64QAM	1	0	16.37	16.56	16.37	16.16		
15	64QAM	1	37	16.27	16.14	16.43	16.15	18	0
15	64QAM	1	74	16.14	16.08	16.10	16.15		
15	64QAM	36	0	16.29	16.55	16.34	16.13		
15	64QAM	36	20	16.26	16.15	16.32	16.07		
15	64QAM	36	39	16.08	16.10	16.05	16.08	18	0
15	64QAM	75	0	16.25	16.53	16.33	16.13		
Channel				55290	55815	56165	56690	18	0
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.39	16.58	16.40	16.17	18	0
10	QPSK	1	23	16.34	16.24	16.45	16.16		
10	QPSK	1	49	16.15	16.19	16.14	16.25		
10	QPSK	25	0	16.37	16.56	16.42	16.14		
10	QPSK	25	12	16.30	16.17	16.42	16.10	18	0
10	QPSK	25	25	16.13	16.07	16.10	16.14		
10	QPSK	60	0	16.33	16.48	16.37	16.20		
10	16QAM	1	0	16.36	16.47	16.36	16.13		
10	16QAM	1	25	16.31	16.15	16.40	16.15	18	0
10	16QAM	1	49	16.10	16.14	16.08	16.20		
10	16QAM	25	0	16.31	16.26	16.37	16.11		
10	16QAM	25	12	16.24	16.13	16.31	16.02		
10	16QAM	25	25	16.08	16.02	16.03	16.12	18	0
10	16QAM	50	0	16.29	16.56	16.31	16.14		
10	64QAM	1	0	16.39	16.54	16.40	16.17		
10	64QAM	1	25	16.28	16.16	16.41	16.15	18	0
10	64QAM	1	49	16.11	16.11	16.06	16.13		
10	64QAM	25	0	16.29	16.51	16.37	16.11		
10	64QAM	25	12	16.26	16.19	16.32	16.05		
10	64QAM	25	25	16.06	16.02	16.01	16.11	18	0
10	64QAM	50	0	16.28	16.55	16.37	16.11		
Channel				55265	55810	56170	56715	18	0
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.35	16.56	16.37	16.14	18	0
5	QPSK	1	12	16.31	16.23	16.45	16.17		
5	QPSK	1	24	16.17	16.18	16.12	16.25		
5	QPSK	12	0	16.37	16.51	16.40	16.13		
5	QPSK	12	7	16.26	16.18	16.40	16.13	18	0
5	QPSK	12	13	16.12	16.12	16.09	16.19		
5	QPSK	25	0	16.34	16.50	16.39	16.18		
5	16QAM	1	0	16.35	16.51	16.38	16.15		
5	16QAM	1	12	16.31	16.16	16.43	16.16	18	0
5	16QAM	1	24	16.11	16.13	16.05	16.18		
5	16QAM	12	0	16.33	16.28	16.34	16.13		
5	16QAM	12	7	16.21	16.11	16.29	16.05		
5	16QAM	12	13	16.10	16.00	16.01	16.14	18	0
5	16QAM	25	0	16.30	16.59	16.34	16.19		
5	64QAM	1	0	16.34	16.51	16.35	16.19		
5	64QAM	1	12	16.33	16.17	16.43	16.17	18	0
5	64QAM	1	24	16.11	16.09	16.09	16.14		
5	64QAM	12	0	16.29	16.53	16.33	16.09		
5	64QAM	12	7	16.24	16.16	16.30	16.03		
5	64QAM	12	13	16.05	16.04	16.07	16.11	18	0
5	64QAM	25	0	16.25	16.51	16.35	16.13		

Band 7 Ant 1 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				2050	2100	2150	230	0	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	21.64	21.88	21.84	23	0	
20	QPSK	1	49	21.51	21.68	21.65			
20	QPSK	1	99	21.55	21.67	21.52			
20	QPSK	50	0	21.62	21.77	21.69			
20	QPSK	50	24	21.56	21.64	21.45	23	0	
20	QPSK	50	50	21.47	21.73	21.61			
20	QPSK	100	0	21.54	21.64	21.58			
20	16QAM	1	0	21.77	21.82	21.79			
20	16QAM	1	49	21.73	21.85	21.68	23	0	
20	16QAM	1	99	21.70	21.81	21.71			
20	16QAM	50	0	20.73	20.83	20.68			
20	16QAM	50	24	20.68	20.81	20.71			
20	16QAM	50	50	20.58	20.68	20.53	22	1	
20	16QAM	100	0	20.54	20.70	20.58			
20	64QAM	1	0	20.70	20.76	20.65			
20	64QAM	1	49	20.53	20.61	20.51			
20	64QAM	1	99	20.57	20.62	20.62	22	1	
20	64QAM	50	0	19.80	20.00	19.81			
20	64QAM	50	24	19.78	19.92	19.87			
20	64QAM	50	50	19.62	19.73	19.71			
20	64QAM	100	0	19.71	19.72	19.71	21	2	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	21.66	21.83	21.66	23	0	
15	QPSK	1	37	21.51	21.66	21.64			
15	QPSK	1	74	21.80	21.70	21.61			
15	QPSK	36	0	21.69	21.80	21.77			
15	QPSK	36	20	21.56	21.68	21.47	23	0	
15	QPSK	36	39	21.55	21.72	21.63			
15	QPSK	75	0	21.58	21.62	21.58			
15	16QAM	1	0	21.84	21.85	21.80			
15	16QAM	1	37	21.72	21.81	21.71	23	0	
15	16QAM	1	74	21.67	21.81	21.69			
15	16QAM	36	0	20.74	20.84	20.66			
15	16QAM	36	20	20.61	20.74	20.73			
15	16QAM	36	39	20.57	20.69	20.50	22	1	
15	16QAM	75	0	20.60	20.75	20.57			
15	64QAM	1	0	20.75	20.83	20.71			
15	64QAM	1	37	20.53	20.61	20.47			
15	64QAM	1	74	20.54	20.67	20.60	21	2	
15	64QAM	36	0	19.83	19.92	19.83			
15	64QAM	36	20	19.76	19.86	19.84			
15	64QAM	36	39	19.62	19.62	19.65			
15	64QAM	75	0	19.74	19.74	19.77	Tune-up limit (dBm)	MPR (dB)	
Channel				20900	21100	21400			
Frequency (MHz)				2505	2535	2565	230	0	
10	QPSK	1	0	21.63	21.84	21.65			
10	QPSK	1	25	21.51	21.62	21.59	23	0	
10	QPSK	1	49	21.59	21.64	21.57			
10	QPSK	25	0	21.65	21.62	21.77			
10	QPSK	25	12	21.62	21.65	21.45			
10	QPSK	25	25	21.56	21.66	21.65	23	0	
10	QPSK	50	0	21.59	21.63	21.50			
10	16QAM	1	0	21.79	21.83	21.81			
10	16QAM	1	25	21.79	21.80	21.74			
10	16QAM	1	49	21.70	21.77	21.66	22	1	
10	16QAM	25	0	20.77	20.82	20.72			
10	16QAM	25	12	20.68	20.74	20.73			
10	16QAM	25	25	20.61	20.69	20.52			
10	16QAM	50	0	20.62	20.77	20.55	22	1	
10	64QAM	1	0	20.69	20.75	20.64			
10	64QAM	1	25	20.49	20.63	20.53			
10	64QAM	1	49	20.59	20.69	20.65			
10	64QAM	25	0	19.80	19.98	19.81	21	2	
10	64QAM	25	12	19.73	19.85	19.90			
10	64QAM	25	25	19.70	19.80	19.65			
10	64QAM	50	0	19.77	19.76	19.68			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	21.80	21.85	21.72	23	0	
5	QPSK	1	12	21.59	21.64	21.63			
5	QPSK	1	24	21.54	21.66	21.57			
5	QPSK	12	0	21.62	21.74	21.77			
5	QPSK	12	7	21.59	21.64	21.52	23	0	
5	QPSK	12	13	21.53	21.66	21.64			
5	QPSK	25	0	21.55	21.62	21.57			
5	16QAM	1	0	21.78	21.80	21.74			
5	16QAM	1	12	21.72	21.80	21.73	23	0	
5	16QAM	1	24	21.68	21.79	21.65			
5	16QAM	12	0	20.76	20.84	20.68			
5	16QAM	12	7	20.69	20.81	20.70			
5	16QAM	12	13	20.59	20.64	20.54	22	1	
5	16QAM	25	0	20.59	20.71	20.56			
5	64QAM	1	0	20.71	20.77	20.66			
5	64QAM	1	12	20.51	20.62	20.52			
5	64QAM	1	24	20.55	20.67	20.65	22	1	
5	64QAM	12	0	19.82	19.94	19.86			
5	64QAM	12	7	19.80	19.86	19.89			
5	64QAM	12	13	19.68	19.80	19.73			
5	64QAM	25	0	19.75	19.75	19.76	21	2	
Channel				20775	21100	21425			

Band 30 Ant 1 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				27650	27710	27735	230		
Frequency (MHz)				2307.5	2310	2312.5			
10	QPSK	1	0	22.69	22.65	22.70	24	0	
10	QPSK	1	25	22.57	22.57	22.65			
10	QPSK	1	49	22.65	22.65	22.65			
10	QPSK	25	0	21.88	21.88	21.88			
10	QPSK	25	12	21.71	21.71	21.84	23	1	
10	QPSK	25	25	21.84	21.84	21.84			
10	QPSK	50	0	21.68	21.68	21.68			
10	16QAM	1	0	21.82	21.82	21.82			
10	16QAM	1	25	21.75	21.75	21.75	23	1	
10	16QAM	1	49	21.68	21.68	21.68			
10	16QAM	25	0	20.88	20.88	20.88			
10	16QAM	25	12	20.77	20.77	20.81			
10	16QAM	25	25	20.81	20.81	20.91	22	2	
10	16QAM	50	0	20.91	20.91	20.89			
10	64QAM	1	0	20.89	20.89	20.76			
10	64QAM	1	25	20.76	20.76	20.81			
10	64QAM	1	49	20.81	20.81	20.75	22	2	
10	64QAM	25	0	19.98	19.98	19.85			
10	64QAM	25	12	19.85	19.85	19.92			
10	64QAM	25	25	19.82	19.82	19.69			
10	64QAM	50	0	19.69	19.69	19.63	21	3	
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dbm)	MPR (db)	
5	QPSK	1	0	22.69	22.65	22.70	24	0	
5	QPSK	1	12	22.53	22.50	22.50			
5	QPSK	1	24	22.58	22.59	22.54			
5	QPSK	12	0	21.73	21.81	21.80			
5	QPSK	12	7	21.57	21.56	21.65	23	1	
5	QPSK	12	13	21.68	21.76	21.78			
5	QPSK	25	0	21.59	21.52	21.53			
5	16QAM	1	0	21.76	21.78	21.75			
5	16QAM	1	12	21.63	21.69	21.66	23	1	
5	16QAM	1	24	21.57	21.59	21.55			
5	16QAM	12	0	20.71	20.83	20.80			
5	16QAM	12	7	20.64	20.70	20.59			
5	16QAM	12	13	20.68	20.71	20.66	22	2	
5	16QAM	25	0	20.86	20.89	20.84			
5	64QAM	1	0	20.85	20.82	20.74			
5	64QAM	1	12	20.60	20.71	20.68			
5	64QAM	1	24	20.77	20.79	20.65	22	2	
5	64QAM	12	0	19.89	19.82	19.81			
5	64QAM	12	7	19.74	19.80	19.83			
5	64QAM	12	13	19.78	19.81	19.89			
5	64QAM	25	0	19.52	19.57	19.63	21	3	

Band 2 Ant 4 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										
Frequency (MHz)										
20	QPSK	1	0	16.97	17.15	16.95				
20	QPSK	1	49	16.81	17.00	16.78	18.5	0		
20	QPSK	1	99	16.79	16.88	16.82				
20	QPSK	50	0	16.59	16.80	16.76				
20	QPSK	50	24	16.50	16.74	16.71	18.5	0		
20	QPSK	50	50	16.56	16.74	16.75				
20	QPSK	100	0	16.59	16.70	16.68				
20	16QAM	1	0	16.57	16.56	16.55				
20	16QAM	1	49	16.56	16.71	16.68	18.5	0		
20	16QAM	1	99	16.57	16.61	16.56				
20	16QAM	50	0	16.59	16.71	16.68				
20	16QAM	50	24	16.65	16.76	16.66	18.5	0		
20	16QAM	50	50	16.56	16.58	16.51				
20	16QAM	100	0	16.74	16.85	16.87				
20	64QAM	1	0	16.54	16.76	16.73				
20	64QAM	1	49	16.62	16.71	16.66	18.5	0		
20	64QAM	1	99	16.54	16.54	16.55				
20	64QAM	50	0	16.59	16.66	16.72				
20	64QAM	50	24	16.59	16.62	16.58	18.5	0		
20	64QAM	50	50	16.61	16.70	16.71				
20	64QAM	100	0	16.57	16.59	16.52				
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.94	17.13	16.96				
15	QPSK	1	49	16.80	17.04	16.74	18.5	0		
15	QPSK	1	74	16.79	16.90	16.86				
15	QPSK	36	0	16.55	16.83	16.72				
15	QPSK	36	20	16.56	16.78	16.67	18.5	0		
15	QPSK	36	39	16.65	16.71	16.66				
15	QPSK	75	0	16.53	16.61	16.54				
15	16QAM	1	0	16.62	16.68	16.54				
15	16QAM	1	37	16.59	16.63	16.51	18.5	0		
15	16QAM	1	74	16.59	16.74	16.63				
15	16QAM	36	0	16.52	16.61	16.54				
15	16QAM	36	20	16.68	16.79	16.81	18.5	0		
15	16QAM	36	39	16.71	16.71	16.77				
15	16QAM	75	0	16.72	16.87	16.89				
15	64QAM	1	0	16.74	16.74	16.73	18.5	0		
15	64QAM	1	37	16.57	16.76	16.75				
15	64QAM	1	74	16.60	16.68	16.65				
15	64QAM	36	0	16.53	16.55	16.55	18.5	0		
15	64QAM	36	20	16.55	16.75	16.75				
15	64QAM	36	39	16.58	16.66	16.53				
15	64QAM	75	0	16.54	16.55	16.58				
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.92	17.11	16.93				
10	QPSK	1	25	16.80	16.99	16.80	18.5	0		
10	QPSK	1	49	16.81	16.89	16.80				
10	QPSK	25	0	16.66	16.76	16.72				
10	QPSK	25	12	16.62	16.83	16.60	18.5	0		
10	QPSK	25	25	16.58	16.76	16.75				
10	QPSK	50	0	16.64	16.74	16.69				
10	16QAM	1	0	16.59	16.62	16.51	18.5	0		
10	16QAM	1	25	16.58	16.78	16.68				
10	16QAM	1	49	16.58	16.66	16.64				
10	16QAM	25	0	16.57	16.83	16.67	18.5	0		
10	16QAM	25	12	16.62	16.82	16.79				
10	16QAM	25	25	16.56	16.78	16.75	18.5	0		
10	16QAM	50	0	16.71	16.86	16.91				
10	64QAM	1	0	16.55	16.75	16.66				
10	64QAM	1	25	16.62	16.76	16.69	18.5	0		
10	64QAM	1	49	16.57	16.57	16.51				
10	64QAM	25	0	16.61	16.71	16.64				
10	64QAM	25	12	16.60	16.54	16.56	18.5	0		
10	64QAM	25	25	16.58	16.70	16.67				
10	64QAM	50	0	16.60	16.54	16.54				
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.94	17.12	16.98				
5	QPSK	1	12	16.77	16.87	16.80	18.5	0		
5	QPSK	1	24	16.77	16.88	16.83				
5	QPSK	12	0	16.62	16.77	16.75				
5	QPSK	12	7	16.64	16.67	16.66	18.5	0		
5	QPSK	12	13	16.56	16.60	16.57				
5	QPSK	25	0	16.59	16.70	16.67				
5	16QAM	1	0	16.56	16.74	16.61	18.5	0		
5	16QAM	1	12	16.59	16.73	16.70				
5	16QAM	1	24	16.53	16.59	16.56				
5	16QAM	12	0	16.86	17.02	16.97	18.5	0		
5	16QAM	12	7	16.67	16.86	16.75				
5	16QAM	12	13	16.56	16.73	16.78				
5	16QAM	25	0	16.71	16.83	16.85				
5	64QAM	1	0	16.64	16.74	16.69	18.5	0		
5	64QAM	1	12	16.61	16.60	16.59				
5	64QAM	1	24	16.57	16.66	16.67				
5	64QAM	12	0	16.52	16.55	16.59	18.5	0		
5	64QAM	12	7	16.63	16.70	16.66				
5	64QAM	12	13	16.62	16.69	16.69				
5	64QAM	25	0	16.60	16.61	16.52				
Channel										
Frequency (MHz)										
3	QPSK	1	0	16.99	17.07	16.96				
3	QPSK	1	8	16.77	17.04	16.77	18.5	0		
3	QPSK	1	14	16.81	16.91	16.85				
3	QPSK	8	0	16.61	16.77	16.78	18.5	0		
3	QPSK	8	4	16.61	16.69	16.67				
3	QPSK	8	7	16.57	16.62	16.59				
3	QPSK	15	0	16.60	16.76	16.65				
3	16QAM	1	0	16.61	16.59	16.52	18.5	0		
3	16QAM	1	8	16.61	16.70	16.71				
3	16QAM	1	14	16.58	16.60	16.55				
3	16QAM	8	0	16.65	17.00	16.94	18.5	0		
3	16QAM	8	4	16.65	16.83	16.73				
3	16QAM	8	7	16.58	16.78	16.81				
3	16QAM	15	0	16.72	16.87	16.87				
3	64QAM	1	0	16.59	16.70	16.67	18.5	0		
3	64QAM	1	8	16.54	16.61	16.56				
3	64QAM	1	14	16.65	16.73	16.67				
3	64QAM	8	0	16.59	16.59	16.58	18.5	0		
3	64QAM	8	4	16.57	16.72	16.71				
3	64QAM	8	7	16.64	16.68	16.70				
3	64QAM	15	0	16.58	16.61	16.51				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	16.85	17.06	16.84				
1.4	QPSK	1	3	16.83	16.89	16.74	18.5	0		
1.4	QPSK	1	5	16.79	16.93	16.82				
1.4	QPSK	3	0	16.64	16.65	16.75				
1.4	QPSK	3	1	16.62	16.73	16.69				
1.4	QPSK	3	3	16.59	16.61	16.53	18.5	0		
1.4	QPSK	6	0	16.60	16.59	16.58				
1.4	16QAM	1	0	16.63	16.65	16.68				
1.4	16QAM	1	3	16.57	16.70	16.63	18.5	0		
1.4	16QAM	1	5	16.56	16.54	16.50				
1.4	16QAM	3	0	16.92	17.04	16.93				
1.4	16QAM	3	1	16.61	16.85	16.81				
1.4	16QAM	3	3	16.55	16.75	16.73	18.5	0		
1.4	16QAM	6	0	16.71	16.68	16.66				
1.4	64QAM	1	0	16.57	16.74	16.65				
1.4	64QAM	1	3	16.53	16.62	16.57	18.5	0		
1.4	64QAM	1	5	16.56	16.74	16.62				
1.4	64QAM	3	0	16.53	16.58	16.51				
1.4	64QAM	3	1	16.60	16.70	16.67				
1.4	64QAM	3	3	16.57	16.69	16.66	18.5	0		
1.4	64QAM	6	0	16.54	16.61	16.57				

Band 4 Ant 4 NSA DSI2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	18.34	18.46	18.39				
20	QPSK	1	49	18.24	18.31	18.23	19.5	0		
20	QPSK	1	99	18.33	18.37	18.20				
20	QPSK	50	0	18.27	18.26	18.20				
20	QPSK	50	24	18.22	18.30	18.25	19.5	0		
20	QPSK	50	34	18.18	18.31	18.17				
20	QPSK	100	0	18.19	18.27	18.24				
20	16QAM	1	0	18.08	18.22	18.08				
20	16QAM	1	49	18.18	18.24	18.12	19.5	0		
20	16QAM	1	99	18.14	18.23	18.20				
20	16QAM	50	0	18.05	18.23	18.00				
20	16QAM	50	24	18.00	18.14	18.05	19.5	0		
20	16QAM	50	50	18.29	18.35	18.16				
20	16QAM	100	0	18.01	18.30	18.00				
20	84QAM	1	0	18.21	18.17	18.10				
20	84QAM	1	49	18.17	18.29	18.17	19.5	0		
20	84QAM	1	99	18.08	18.23	18.04				
20	84QAM	50	0	18.15	18.18	18.10				
20	84QAM	50	24	18.17	18.24	18.16				
20	84QAM	50	50	18.26	18.24	18.19	19.5	0		
20	84QAM	100	0	18.16	18.25	18.24				
Channel										
Frequency (MHz)										
15	QPSK	1	0	18.39	18.29	18.11				
15	QPSK	1	37	18.28	18.17	18.13	19.5	0		
15	QPSK	1	74	18.14	18.20	18.22				
15	QPSK	36	0	18.18	18.41	18.17				
15	QPSK	36	20	18.23	18.22	18.16	19.5	0		
15	QPSK	36	39	18.12	18.22	18.19				
15	QPSK	75	0	18.26	18.38	18.08				
15	16QAM	1	0	18.18	18.15	18.18				
15	16QAM	1	37	18.16	18.29	18.18	19.5	0		
15	16QAM	1	74	18.26	18.36	18.20				
15	16QAM	36	0	18.20	18.17	18.13				
15	16QAM	36	20	18.18	18.23	18.15	19.5	0		
15	16QAM	36	39	18.26	18.38	18.06				
15	16QAM	75	0	18.20	18.17	18.20				
15	84QAM	1	0	18.16	18.27	18.22				
15	84QAM	1	37	18.24	18.37	18.14	19.5	0		
15	84QAM	1	74	18.22	18.26	18.10				
15	84QAM	36	0	18.22	18.23	18.15				
15	84QAM	36	20	18.05	18.14	18.17	19.5	0		
15	84QAM	36	39	18.22	18.20	18.10				
15	84QAM	75	0	18.20	18.22	18.16				
Channel										
Frequency (MHz)										
10	QPSK	1	0	18.28	18.20	18.10				
10	QPSK	1	25	18.04	18.30	18.02	19.5	0		
10	QPSK	1	49	18.18	18.17	18.13				
10	QPSK	25	0	18.18	18.29	18.17				
10	QPSK	25	12	18.17	18.20	18.10	19.5	0		
10	QPSK	25	25	18.12	18.26	18.17				
10	QPSK	50	0	18.19	18.40	18.12				
10	16QAM	1	0	18.24	18.20	18.16				
10	16QAM	1	25	18.16	18.28	18.18	19.5	0		
10	16QAM	1	49	18.30	18.39	18.17				
10	16QAM	25	0	18.25	18.22	18.10				
10	16QAM	25	12	18.21	18.25	18.24	19.5	0		
10	16QAM	25	25	18.26	18.39	18.06				
10	16QAM	50	0	18.24	18.16	18.17				
10	84QAM	1	0	18.16	18.20	18.17				
10	84QAM	1	25	18.21	18.30	18.14				
10	84QAM	1	49	18.18	18.18	18.18				
10	84QAM	25	0	18.15	18.23	18.23				
10	84QAM	25	12	18.23	18.18	18.18	19.5	0		
10	84QAM	25	25	18.26	18.23	18.19				
10	84QAM	50	0	18.17	18.23	18.16				
Channel										
Frequency (MHz)										
5	QPSK	1	0	18.29	18.26	18.18				
5	QPSK	1	12	18.25	18.26	18.16	19.5	0		
5	QPSK	1	24	18.21	18.22	18.20				
5	QPSK	12	0	18.19	18.38	18.17				
5	QPSK	12	7	18.17	18.17	18.15	19.5	0		
5	QPSK	12	13	18.14	18.23	18.19				
5	QPSK	25	0	18.22	18.32	18.11				
5	16QAM	1	0	18.18	18.23	18.18				
5	16QAM	1	12	18.21	18.30	18.19	19.5	0		
5	16QAM	1	24	18.26	18.33	18.21				
5	16QAM	12	0	18.25	18.23	18.25				
5	16QAM	12	7	18.20	18.28	18.21	19.5	0		
5	16QAM	12	13	18.21	18.42	18.11				
5	16QAM	25	0	18.18	18.18	18.13				
5	84QAM	1	0	18.13	18.27	18.18				
5	84QAM	1	12	18.20	18.30	18.20	19.5	0		
5	84QAM	1	24	18.19	18.21	18.16				
5	84QAM	12	0	18.13	18.20	18.23				
5	84QAM	12	7	18.07	18.02	18.04	19.5	0		
5	84QAM	12	13	18.19	18.20	18.16				
5	84QAM	25	0	18.18	18.20	18.21				
Channel										
Frequency (MHz)										
3	QPSK	1	0	18.31	18.22	18.12				
3	QPSK	1	8	18.18	18.21	18.18	19.5	0		
3	QPSK	1	14	18.12	18.28	18.20				
3	QPSK	8	0	18.21	18.39	18.11				
3	QPSK	8	4	18.19	18.16	18.17	19.5	0		
3	QPSK	8	7	18.27	18.40	18.27				
3	QPSK	15	0	18.27	18.40	18.13				
3	16QAM	1	0	18.03	18.13	18.01				
3	16QAM	1	8	18.26	18.17	18.13	19.5	0		
3	16QAM	1	14	18.16	18.22	18.19				
3	16QAM	8	0	18.20	18.20	18.16				
3	16QAM	8	4	18.16	18.28	18.18	19.5	0		
3	16QAM	8	7	18.27	18.40	18.15				
3	16QAM	15	0	18.27	18.25	18.13				
3	84QAM	1	0	18.19	18.30	18.18				
3	84QAM	1	8	18.20	18.27	18.20	19.5	0		
3	84QAM	1	14	18.17	18.23	18.11				
3	84QAM	8	0	18.17	18.24	18.20				
3	84QAM	8	4	18.02	18.04	18.02	19.5	0		
3	84QAM	8	7	18.19	18.19	18.16				
3	84QAM	15	0	18.20	18.21	18.15				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	18.34	18.27	18.19				
1.4	QPSK	1	3	18.27	18.21	18.22	19.5	0		
1.4	QPSK	1	5	18.19	18.27	18.19				
1.4	QPSK	3	0	18.26	18.22	18.13				
1.4	QPSK	3	1	18.25	18.16	18.16				
1.4	QPSK	3	3	18.18	18.23	18.18				
1.4	QPSK	6	0	18.22	18.40	18.05	19.5	0		
1.4	16QAM	1	0	18.00	18.14	18.05				
1.4	16QAM	1	3	18.21	18.18	18.14				
1.4	16QAM	1	5	18.16	18.26	18.16	19.5	0		
1.4	16QAM	3	0	18.06	18.22	18.05				
1.4	16QAM	3	1	18.24	18.37	18.20				
1.4	16QAM	3	3	18.26	18.27	18.24	19.5	0		
1.4	16QAM	6	0	18.22	18.26	18.21				
1.4	84QAM	1	0	18.18	18.22	18.19				
1.4	84QAM	1	3	18.15	18.22	18.21				
1.4	84QAM	1	5	18.20	18.20	18.20	19.5	0		
1.4	84QAM	3	0	18.19	18.26	18.15				
1.4	84QAM	3	1	18.21	18.22	18.21				
1.4	84QAM	3	3	18.25	18.22	18.19				
1.4	84QAM	6	0	18.15	18.28	18.20	19.5	0		

Band 7 Ant 4 NSA DS12									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	13.27	13.74	13.69			
20	QPSK	1	49	13.45	13.73	13.45	15	0	
20	QPSK	1	99	13.43	13.59	13.40			
20	QPSK	50	0	13.52	13.63	13.40			
20	QPSK	50	24	13.41	13.57	13.42			
20	QPSK	50	50	13.37	13.57	13.31			0
20	QPSK	100	0	13.56	13.67	13.49			
20	16QAM	1	0	13.42	13.65	13.43			
20	16QAM	1	49	13.38	13.57	13.31	15	0	
20	16QAM	1	99	13.56	13.60	13.47			
20	16QAM	50	0	13.41	13.63	13.37			
20	16QAM	50	24	13.42	13.55	13.34			
20	16QAM	50	50	13.36	13.55	13.43	15	0	
20	16QAM	100	0	13.42	13.66	13.41			
20	64QAM	1	0	13.39	13.59	13.35			
20	64QAM	1	49	13.48	13.62	13.45	15	0	
20	64QAM	1	99	13.39	13.68	13.43			
20	64QAM	50	0	13.35	13.51	13.35			
20	64QAM	50	24	13.50	13.65	13.42			
20	64QAM	50	50	13.45	13.63	13.45	15	0	
20	64QAM	100	0	13.41	13.49	13.36			
Channel				20625	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.51	13.76	13.45			
15	QPSK	1	37	13.40	13.72	13.41			0
15	QPSK	1	74	13.41	13.59	13.37			
15	QPSK	36	0	13.47	13.62	13.35			
15	QPSK	36	20	13.40	13.69	13.35	15	0	
15	QPSK	36	39	13.36	13.50	13.25			
15	QPSK	75	0	13.53	13.58	13.49			
15	16QAM	1	0	13.35	13.58	13.38			
15	16QAM	1	37	13.33	13.56	13.32	15	0	
15	16QAM	1	74	13.56	13.51	13.38			
15	16QAM	36	0	13.37	13.54	13.28			
15	16QAM	36	20	13.37	13.49	13.27	15	0	
15	16QAM	36	39	13.55	13.61	13.33			
15	16QAM	75	0	13.36	13.66	13.33			
15	64QAM	1	0	13.47	13.57	13.38			
15	64QAM	1	37	13.39	13.56	13.47	15	0	
15	64QAM	1	74	13.32	13.66	13.41			
15	64QAM	36	0	13.31	13.42	13.33			
15	64QAM	36	20	13.41	13.63	13.41	15	0	
15	64QAM	36	39	13.43	13.53	13.40			
15	64QAM	75	0	13.34	13.40	13.33			
Channel				20800	21100	21400			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.38	13.55	13.25			
10	QPSK	1	25	13.22	13.49	13.22	15	0	
10	QPSK	1	49	13.22	13.34	13.22			
10	QPSK	25	0	13.34	13.37	13.19			
10	QPSK	25	25	13.21	13.48	13.28	15	0	
10	QPSK	25	25	13.16	13.39	13.06			
10	QPSK	50	0	13.37	13.42	13.31			
10	16QAM	1	0	13.20	13.39	13.21			
10	16QAM	1	25	13.15	13.38	13.13	15	0	
10	16QAM	1	49	13.39	13.37	13.22			
10	16QAM	25	0	13.23	13.45	13.16			
10	16QAM	25	12	13.17	13.32	13.16			
10	16QAM	25	25	13.38	13.44	13.25	15	0	
10	16QAM	50	0	13.23	13.41	13.17			
10	64QAM	1	0	13.14	13.32	13.13			
10	64QAM	1	25	13.29	13.38	13.29	15	0	
10	64QAM	1	49	13.17	13.34	13.29			
10	64QAM	25	0	13.17	13.34	13.16			
10	64QAM	25	12	13.31	13.46	13.19			
10	64QAM	25	25	13.20	13.38	13.22	15	0	
10	64QAM	50	0	13.15	13.26	13.17			
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	13.34	13.55	13.25			
5	QPSK	1	12	13.23	13.55	13.24	15	0	
5	QPSK	1	24	13.24	13.35	13.20			
5	QPSK	12	0	13.30	13.45	13.32			
5	QPSK	12	7	13.23	13.52	13.18			
5	QPSK	12	13	13.19	13.33	13.08			
5	QPSK	25	0	13.36	13.41	13.32	15	0	
5	16QAM	1	0	13.18	13.31	13.09			
5	16QAM	1	12	13.16	13.39	13.21	15	0	
5	16QAM	1	24	13.39	13.34	13.21			
5	16QAM	12	0	13.20	13.37	13.11			
5	16QAM	12	7	13.30	13.32	13.10	15	0	
5	16QAM	12	13	13.38	13.44	13.16			
5	16QAM	25	0	13.19	13.49	13.19			
5	64QAM	1	0	13.20	13.40	13.11			
5	64QAM	1	12	13.22	13.39	13.30	15	0	
5	64QAM	1	24	13.15	13.49	13.24			
5	64QAM	12	0	13.14	13.25	13.16			
5	64QAM	12	7	13.24	13.46	13.12	15	0	
5	64QAM	12	13	13.26	13.36	13.23			
5	64QAM	25	0	13.17	13.23	13.16			

Band 12 Ant 2 NSA DS12												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power High Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				23006	23095	23130						
Frequency (MHz)				704	707.5	711						
10	QPSK	1	0	19.84	19.84	19.84	21.5	0				
10	QPSK	1	25	19.66	19.66	19.66						
10	QPSK	1	49	19.60	19.60	19.60						
10	QPSK	25	0	19.81	19.81	19.81						
10	QPSK	25	12	19.63	19.63	19.63						
10	QPSK	25	25	19.58	19.58	19.58	21.5	0				
10	QPSK	50	0	19.78	19.78	19.78						
10	16QAM	1	0	19.61	19.61	19.61						
10	16QAM	1	25	19.59	19.59	19.59						
10	16QAM	1	49	19.81	19.81	19.81						
10	16QAM	25	0	19.61	19.61	19.61	21.5	0				
10	16QAM	25	12	19.59	19.59	19.59						
10	16QAM	25	25	19.60	19.60	19.60						
10	16QAM	50	0	19.82	19.82	19.82						
10	64QAM	1	0	19.60	19.60	19.60						
10	64QAM	1	25	19.75	19.75	19.75	21.5	0				
10	64QAM	1	49	19.63	19.63	19.63						
10	64QAM	25	0	19.38	19.38	19.38						
10	64QAM	25	12	19.38	19.38	19.38						
10	64QAM	25	25	19.31	19.31	19.31						
10	64QAM	50	0	19.20	19.20	19.20	21	0.5				
Channel				23035	23095	23195						
Frequency (MHz)				701.5	707.5	713.5						
5	QPSK	1	0	19.63	19.64	19.71				21.5	0	
5	QPSK	1	12	19.61	19.63	19.60						
5	QPSK	1	24	19.60	19.64	19.63						
5	QPSK	12	0	19.59	19.67	19.74						
5	QPSK	12	7	19.69	19.64	19.60						
5	QPSK	12	13	19.68	19.63	19.57	21.5	0				
5	QPSK	25	0	19.62	19.59	19.68						
5	16QAM	1	0	19.60	19.69	19.65						
5	16QAM	1	12	19.70	19.64	19.54						
5	16QAM	1	24	19.58	19.66	19.73						
5	16QAM	12	0	19.62	19.65	19.57	21.5	0				
5	16QAM	12	7	19.68	19.61	19.58						
5	16QAM	12	13	19.56	19.63	19.66						
5	16QAM	25	0	19.69	19.67	19.59						
5	64QAM	1	0	19.70	19.64	19.57						
5	64QAM	1	12	19.55	19.59	19.72	21.5	0				
5	64QAM	1	24	19.66	19.62	19.65						
5	64QAM	12	0	19.11	19.07	19.23						
5	64QAM	12	7	19.06	19.15	19.22						
5	64QAM	12	13	19.13	19.11	19.22						
Channel				23025	23095	23185						
Frequency (MHz)				700.5	707.5	714.5						
3	QPSK	1	0	19.60	19.59	19.66	21.5	0				
3	QPSK	1	8	19.60	19.60	19.52						
3	QPSK	1	14	19.62	19.61	19.56						
3	QPSK	8	0	19.56	19.66	19.66						
3	QPSK	8	4	19.65	19.64	19.59						
3	QPSK	8	7	19.67	19.61	19.56	21.5	0				
3	QPSK	15	0	19.56	19.54	19.63						
3	16QAM	1	0	19.53	19.69	19.59						
3	16QAM	1	8	19.67	19.66	19.61						
3	16QAM	1	14	19.54	19.59	19.73						
3	16QAM	8	0	19.65	19.64	19.59	21.5	0				
3	16QAM	8	4	19.64	19.62	19.53						
3	16QAM	8	7	19.58	19.57	19.59						
3	16QAM	15	0	19.69	19.67	19.61						
3	64QAM	1	0	19.63	19.58	19.57						
3	64QAM	1	8	19.61	19.53	19.73	21.5	0				
3	64QAM	1	14	19.52	19.53	19.66						
3	64QAM	8	0	19.54	19.64	19.69						
3	64QAM	8	4	19.11	19.08	19.17						
3	64QAM	8	4	19.00	19.12	19.22						
3	64QAM	8	7	19.17	19.06	19.16	21	0.5				
3	64QAM	15	0	19.14	19.08	19.19						
Channel				23017	23095	23173						
Frequency (MHz)				699.7	707.5	715.3						
1.4	QPSK	1	0	19.62	19.65	19.67				21.5	0	
1.4	QPSK	1	3	19.59	19.60	19.58						
1.4	QPSK	1	5	19.63	19.66	19.65						
1.4	QPSK	3	0	19.60	19.64	19.69						
1.4	QPSK	3	1	19.70	19.64	19.58						
1.4	QPSK	3	3	19.62	19.58	19.56	21.5	0				
1.4	QPSK	6	0	19.56	19.52	19.69						
1.4	16QAM	1	0	19.59	19.71	19.64						
1.4	16QAM	1	3	19.70	19.65	19.54						
1.4	16QAM	1	5	19.51	19.61	19.69						
1.4	16QAM	3	0	19.60	19.59	19.56	21.5	0				
1.4	16QAM	3	1	19.66	19.63	19.55						
1.4	16QAM	3	3	19.54	19.54	19.67						
1.4	16QAM	3	1	19.62	19.60	19.54						
1.4	64QAM	1	0	19.70	19.62	19.50						
1.4	64QAM	1	3	19.57	19.55	19.64	21.5	0				
1.4	64QAM	1	5	19.62	19.64	19.66						
1.4	64QAM	3	0	19.70	19.65	19.51						
1.4	64QAM	3	1	19.65	19.63	19.62						
1.4	64QAM	3	3	19.55	19.63	19.58						
1.4	64QAM	6	0	19.11	19.17	19.18	21	0.0				

Band 25 Ant 4 NSA DS12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power High [dBm]	Power Low Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590			
Frequency (MHz)				1850	1860	1905			
20	QPSK	1	0	17.12	17.12	17.12	17.15		
20	QPSK	1	49	16.97	16.91	16.91	16.95	18.5	0
20	QPSK	1	99	16.93	16.84	16.84	16.93		
20	QPSK	50	0	17.13	17.16	17.16	17.06		
20	QPSK	50	24	17.03	17.04	17.04	16.99	18.5	0
20	QPSK	50	50	16.96	17.01	17.01	16.98		
20	QPSK	100	0	17.17	17.15	17.15	17.07		
20	16QAM	1	0	17.00	17.04	16.94			
20	16QAM	1	49	16.91	17.00	16.90	16.95	18.5	0
20	16QAM	1	99	17.12	17.11	17.11	17.10		
20	16QAM	50	0	16.95	17.02	16.91			
20	16QAM	50	24	16.92	16.92	16.96		18.5	0
20	16QAM	50	50	17.09	17.15	17.14			
20	16QAM	100	0	17.03	17.00	16.90			
20	64QAM	1	0	16.96	17.02	16.90			
20	64QAM	1	49	16.92	16.94	16.94	16.94	18.5	0
20	64QAM	1	99	16.91	16.94	16.98			
20	64QAM	50	0	16.75	16.82	16.71			
20	64QAM	50	24	16.73	16.77	16.81		18	0.5
20	64QAM	50	50	16.54	16.75	16.57			
20	64QAM	100	0	16.65	16.61	16.50			
Channel				26115	26340	26615			
Frequency (MHz)				1857.5	1860	1907.5			
15	QPSK	1	0	17.12	17.16	17.09			
15	QPSK	1	37	16.97	16.97	16.93		18.5	0
15	QPSK	1	74	16.89	16.91	16.93			
15	QPSK	36	0	17.11	17.13	17.06			
15	QPSK	36	20	17.00	17.01	16.97		18.5	0
15	QPSK	36	39	16.92	17.01	16.95			
15	QPSK	75	0	17.07	17.12	17.04			
15	16QAM	1	0	16.97	17.02	16.93			
15	16QAM	1	37	16.90	16.97	16.92		18.5	0
15	16QAM	1	74	17.11	17.08	17.09			
15	16QAM	36	0	16.93	17.00	16.89			
15	16QAM	36	20	16.91	16.93	16.94		18.5	0
15	16QAM	36	39	17.05	17.14	17.12			
15	16QAM	75	0	17.07	17.09	16.96			
15	64QAM	1	0	16.93	17.00	16.87			
15	64QAM	1	37	16.91	16.92	16.90		18.5	0
15	64QAM	1	74	16.90	16.91	16.95			
15	64QAM	36	0	16.72	16.81	16.67			
15	64QAM	36	20	16.70	16.74	16.59		18	0.5
15	64QAM	36	39	16.85	16.94	16.57			
15	64QAM	75	0	16.61	16.74	16.58			
Channel				26090	26340	26840			
Frequency (MHz)				1855	1860	1910			
10	QPSK	1	0	17.15	17.13	17.10			
10	QPSK	1	25	16.94	16.98	16.91		18.5	0
10	QPSK	1	49	16.92	16.90	16.91			
10	QPSK	25	0	17.10	17.13	17.02			
10	QPSK	25	12	17.03	17.03	16.96		18.5	0
10	QPSK	25	26	16.93	17.00	16.88			
10	QPSK	50	0	17.10	17.15	17.03			
10	16QAM	1	0	16.97	17.04	16.93			
10	16QAM	1	25	16.92	16.99	16.83		18.5	0
10	16QAM	1	49	17.08	17.10	17.08			
10	16QAM	25	0	16.92	16.98	16.89			
10	16QAM	25	12	16.91	16.94	16.94		18.5	0
10	16QAM	25	26	17.06	17.12	17.13			
10	16QAM	50	0	17.02	16.99	16.88			
10	64QAM	1	0	16.92	17.00	16.89			
10	64QAM	1	25	16.90	16.90	16.94		18.5	0
10	64QAM	1	49	16.88	16.93	16.95			
10	64QAM	25	0	16.72	16.82	16.68			
10	64QAM	25	12	16.72	16.76	16.59		18	0.5
10	64QAM	25	26	16.51	16.72	16.55			
10	64QAM	50	0	16.52	16.65	16.48			
Channel				26065	26340	26665			
Frequency (MHz)				1852.5	1860	1912.5			
5	QPSK	1	0	17.15	17.14	17.10			
5	QPSK	1	12	16.95	16.99	16.95		18.5	0
5	QPSK	1	24	16.91	16.93	16.91			
5	QPSK	12	0	17.10	17.14	17.03			
5	QPSK	12	6	17.07	17.02	16.99		18.5	0
5	QPSK	12	13	16.93	17.00	16.95			
5	QPSK	25	0	17.11	17.14	17.06			
5	16QAM	1	0	17.00	17.04	16.90			
5	16QAM	1	12	16.90	16.98	16.91		18.5	0
5	16QAM	1	24	17.10	17.10	17.08			
5	16QAM	12	0	16.92	16.92	16.97			
5	16QAM	12	7	16.89	16.95	16.92		18.5	0
5	16QAM	12	13	17.07	17.15	17.13			
5	16QAM	25	0	17.00	16.96	16.90			
5	64QAM	1	0	16.94	16.99	16.89			
5	64QAM	1	12	16.91	16.91	16.91		18.5	0
5	64QAM	1	24	16.89	16.89	16.94			
5	64QAM	12	0	16.73	16.81	16.70			
5	64QAM	12	7	16.72	16.77	16.57		18	0.5
5	64QAM	12	13	16.53	16.72	16.55			
5	64QAM	25	0	16.64	16.61	16.46			
Channel				26055	26340	26655			
Frequency (MHz)				1852.5	1860	1913.5			
3	QPSK	1	0	17.14	17.15	17.08			
3	QPSK	1	8	16.93	16.98	16.92		18.5	0
3	QPSK	1	14	16.89	16.94	16.93			
3	QPSK	8	0	17.10	17.14	17.05			
3	QPSK	8	4	17.01	17.00	16.98		18.5	0
3	QPSK	8	7	16.95	17.01	16.95			
3	QPSK	15	0	17.07	17.14	17.04			
3	16QAM	1	0	16.97	17.00	16.91			
3	16QAM	1	8	16.88	16.99	16.91		18.5	0
3	16QAM	1	14	17.10	17.10	17.08			
3	16QAM	8	0	16.95	17.00	16.87			
3	16QAM	8	6	16.92	16.97	16.92		18.5	0
3	16QAM	8	7	17.05	17.12	17.10			
3	16QAM	15	0	17.01	16.99	16.88			
3	64QAM	1	0	16.95	17.01	16.87			
3	64QAM	1	8	16.92	16.92	16.90		18.5	0
3	64QAM	1	14	16.87	16.91	16.94			
3	64QAM	8	0	16.72	16.82	16.71			
3	64QAM	8	4	16.70	16.76	16.59		18	0.5
3	64QAM	8	7	16.51	16.75	16.54			
3	64QAM	15	0	16.62	16.57	16.50			
Channel				26047	26340	26683			
Frequency (MHz)				1850.7	1860	1914.3			
1.4	QPSK	1	0	17.13	17.15	17.11			
1.4	QPSK	1	3	16.93	16.95	16.94		18.5	0
1.4	QPSK	1	5	16.89	16.93	16.89			
1.4	QPSK	3	0	17.13	17.14	17.04			
1.4	QPSK	3	1	17.00	17.03	16.99			
1.4	QPSK	3	3	16.92	17.00	16.86		18.5	0
1.4	QPSK	6	0	17.07	17.07	17.05			
1.4	16QAM	1	0	16.96	17.01	16.90			
1.4	16QAM	1	3	16.90	16.98	16.92			
1.4	16QAM	1	5	17.10	17.09	17.09		18.5	0
1.4	16QAM	3	0	16.93	16.99	16.87			
1.4	16QAM	3	1	16.88	16.94	16.96			
1.4	16QAM	3	3	17.17	17.17	17.11		18.5	0
1.4	64QAM	1	0	17.01	16.97	16.88			
1.4	64QAM	1	0	16.93	17.01	16.87			
1.4	64QAM	1	3	16.88	16.93	16.92			
1.4	64QAM	1	5	16.89	16.91	16.95		18.5	0
1.4	64QAM	3	0	16.74	16.81	16.68			
1.4	64QAM	3	0	16.70	16.74	16.60			
1.4	64QAM	3	3	16.53	16.74	16.54			
1.4	64QAM	6	0	16.64	16.59	16.46		18.5	0

Band 26 Ant 4 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									
Frequency (MHz)									
15	QPSK	1	0	18.23	18.50	18.21			
15	QPSK	1	37	18.26	18.14	18.15	20	0	
15	QPSK	1	74	18.27	18.11	18.16			
15	QPSK	36	0	18.19	18.40	18.16			
15	QPSK	36	20	18.16	18.12	18.07	20	0	
15	QPSK	36	39	18.21	18.18	18.16			
15	QPSK	75	0	18.23	18.46	18.19			
15	16QAM	1	0	18.22	18.06	18.05			
15	16QAM	1	37	18.19	18.14	18.14	20	0	
15	16QAM	1	74	18.17	18.41	18.16			
15	16QAM	36	0	18.21	18.13	18.06			
15	16QAM	36	20	18.23	18.21	18.07	20	0	
15	16QAM	36	39	18.18	18.44	18.19			
15	16QAM	75	0	18.24	18.16	18.11			
15	64QAM	1	0	18.23	18.22	18.08			
15	64QAM	1	37	18.17	18.44	18.16	20	0	
15	64QAM	1	74	18.22	18.05	18.07			
15	64QAM	36	0	18.25	18.18	18.07			
15	64QAM	36	20	18.17	18.48	18.15	20	0	
15	64QAM	36	39	18.17	18.09	18.11			
15	64QAM	75	0	18.27	18.17	18.08			
Channel									
Frequency (MHz)									
10	QPSK	1	0	18.19	18.42	18.20			
10	QPSK	1	25	18.23	18.06	18.10	20	0	
10	QPSK	1	49	18.26	18.06	18.16			
10	QPSK	25	0	18.15	18.41	18.09			
10	QPSK	25	12	18.18	18.11	18.03	20	0	
10	QPSK	25	25	18.18	18.15	18.09			
10	QPSK	50	0	18.22	18.45	18.15			
10	16QAM	1	0	18.24	18.04	18.06			
10	16QAM	1	25	18.16	18.09	18.13	20	0	
10	16QAM	1	49	18.09	18.36	18.15			
10	16QAM	25	0	18.22	18.12	18.08			
10	16QAM	25	12	18.24	18.20	18.06	20	0	
10	16QAM	25	25	18.15	18.38	18.16			
10	16QAM	50	0	18.21	18.04	18.08			
10	64QAM	1	0	18.16	18.17	18.07	20	0	
10	64QAM	1	25	18.14	18.40	18.09			
10	64QAM	1	49	18.18	18.03	18.03			
10	64QAM	25	0	18.25	18.14	18.06			
10	64QAM	25	12	18.16	18.42	18.15	20	0	
10	64QAM	25	25	18.12	18.18	18.08			
10	64QAM	50	0	18.23	18.15	18.04			
Channel									
Frequency (MHz)									
5	QPSK	1	0	18.20	18.31	18.21			
5	QPSK	1	12	18.26	18.14	18.14	20	0	
5	QPSK	1	24	18.21	18.03	18.12			
5	QPSK	12	0	18.18	18.33	18.15			
5	QPSK	12	7	18.17	18.13	18.03	20	0	
5	QPSK	12	13	18.21	18.19	18.12			
5	QPSK	25	0	18.20	18.47	18.20			
5	16QAM	1	0	18.17	18.07	18.05			
5	16QAM	1	12	18.20	18.14	18.09	20	0	
5	16QAM	1	24	18.11	18.36	18.13			
5	16QAM	12	0	18.14	18.07	18.01			
5	16QAM	12	7	18.19	18.15	18.07	20	0	
5	16QAM	12	13	18.16	18.39	18.16			
5	16QAM	25	0	18.22	18.16	18.10			
5	64QAM	1	0	18.21	18.21	18.08			
5	64QAM	1	12	18.15	18.40	18.16	20	0	
5	64QAM	1	24	18.18	18.06	18.00			
5	64QAM	12	0	18.22	18.18	18.01			
5	64QAM	12	7	18.18	18.46	18.13	20	0	
5	64QAM	12	13	18.17	18.03	18.11			
5	64QAM	25	0	18.23	18.14	18.05			
Channel									
Frequency (MHz)									
3	QPSK	1	0	18.24	18.45	18.15			
3	QPSK	1	8	18.21	18.07	18.13	20	0	
3	QPSK	1	14	18.26	18.10	18.12			
3	QPSK	8	0	18.12	18.34	18.17			
3	QPSK	8	4	18.14	18.06	18.05	20	0	
3	QPSK	8	7	18.22	18.16	18.13			
3	QPSK	15	0	18.17	18.40	18.17			
3	16QAM	1	0	18.15	18.08	18.10	20	0	
3	16QAM	1	8	18.13	18.14	18.16			
3	16QAM	1	14	18.16	18.34	18.16			
3	16QAM	8	0	18.22	18.08	18.01			
3	16QAM	8	4	18.23	18.19	18.07	20	0	
3	16QAM	8	7	18.16	18.43	18.15			
3	16QAM	15	0	18.24	18.11	18.06			
3	64QAM	1	0	18.22	18.22	18.05			
3	64QAM	1	8	18.09	18.43	18.10	20	0	
3	64QAM	1	14	18.20	18.12	18.15			
3	64QAM	8	0	18.20	18.15	18.03			
3	64QAM	8	4	18.13	18.42	18.11	20	0	
3	64QAM	8	7	18.15	18.01	18.09			
3	64QAM	15	0	18.20	18.17	18.07			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	18.23	18.45	18.14			
1.4	QPSK	1	3	18.21	18.10	18.12	20	0	
1.4	QPSK	1	5	18.21	18.08	18.09			
1.4	QPSK	3	0	18.16	18.36	18.15			
1.4	QPSK	3	1	18.18	18.09	18.03			
1.4	QPSK	3	3	18.20	18.18	18.16			
1.4	QPSK	6	0	18.19	18.41	18.13	20	0	
1.4	16QAM	1	0	18.22	18.01	18.05			
1.4	16QAM	1	3	18.15	18.15	18.09			
1.4	16QAM	1	5	18.14	18.39	18.18	20	0	
1.4	16QAM	3	0	18.13	18.08	18.10			
1.4	16QAM	3	1	18.18	18.22	18.07			
1.4	16QAM	3	3	18.14	18.42	18.15	20	0	
1.4	16QAM	6	0	18.25	18.05	18.12			
1.4	64QAM	1	0	18.17	18.15	18.08			
1.4	64QAM	1	3	18.13	18.38	18.15			
1.4	64QAM	1	5	18.20	18.03	18.05	20	0	
1.4	64QAM	3	0	18.20	18.17	18.05			
1.4	64QAM	3	1	18.13	18.48	18.16			
1.4	64QAM	3	3	18.11	18.04	18.11			
1.4	64QAM	6	0	18.27	18.17	18.09	20	0	

Band 30 Ant 4 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				27710			Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				2310								
10	QPSK	1	0		15.57		17	0				
10	QPSK	1	25		15.41							
10	QPSK	1	49		15.37							
10	QPSK	25	0		15.54							
10	QPSK	25	12		15.35		17	0				
10	QPSK	25	25		15.41							
10	QPSK	50	0		15.53							
10	16QAM	1	0		15.45							
10	16QAM	1	25		15.39		17	0				
10	16QAM	1	49		15.54							
10	16QAM	25	0		15.37							
10	16QAM	25	12		15.37							
10	16QAM	25	25		15.53		17	0				
10	16QAM	50	0		15.38							
10	64QAM	1	0		15.42							
10	64QAM	1	25		15.50							
10	64QAM	1	49		15.40		17	0				
10	64QAM	25	0		15.43							
10	64QAM	25	12		15.53							
10	64QAM	25	25		15.43							
10	64QAM	50	0		15.37		17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25	0	15.42	15.32	15.39	17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25	0	15.42	15.32	15.39	17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25	0	15.42	15.32	15.39	17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25	0	15.42	15.32	15.39	17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25	0	15.42	15.32	15.39	17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25	0	15.42	15.32	15.39	17	0				
Channel				27685	27710	27735				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5						
5	QPSK	1	0	15.40	15.36	15.31				17	0	
5	QPSK	1	12	15.35	15.39	15.36						
5	QPSK	1	24	15.32	15.31	15.37						
5	QPSK	12	0	15.40	15.36	15.39						
5	QPSK	12	7	15.32	15.34	15.40	17	0				
5	QPSK	12	13	15.40	15.40	15.36						
5	QPSK	25	0	15.31	15.36	15.34						
5	16QAM	1	0	15.32	15.31	15.43						
5	16QAM	1	12	15.33	15.38	15.38	17	0				
5	16QAM	1	24	15.41	15.37	15.32						
5	16QAM	12	0	15.35	15.30	15.38						
5	16QAM	12	7	15.33	15.39	15.36						
5	16QAM	12	13	15.36	15.39	15.35	17	0				
5	16QAM	25	0	15.33	15.37	15.40						
5	64QAM	1	0	15.38	15.33	15.38						
5	64QAM	1	12	15.41	15.32	15.30						
5	64QAM	1	24	15.38	15.32	15.37	17	0				
5	64QAM	12	0	15.38	15.40	15.41						
5	64QAM	12	7	15.33	15.40	15.43						
5	64QAM	12	13	15.33	15.33	15.41						
5	64QAM	25										

Band 48 Ant 5 NSA DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	12.44	12.60	12.53	12.33	14	0	
20	QPSK	1	49	12.41	12.24	12.46	12.16			
20	QPSK	1	99	12.30	12.20	12.18	12.25			
20	QPSK	50	0	12.49	12.57	12.46	12.35			
20	QPSK	50	24	12.42	12.22	12.43	12.17	14	0	
20	QPSK	50	50	12.30	12.21	12.20	12.29			
20	QPSK	100	0	12.51	12.59	12.54	12.33			
20	16QAM	1	0	12.46	12.27	12.44	12.21			
20	16QAM	1	49	12.22	12.17	12.23	12.27	14	0	
20	16QAM	1	99	12.47	12.52	12.48	12.33			
20	16QAM	50	0	12.42	12.24	12.44	12.26			
20	16QAM	50	24	12.22	12.15	12.24	12.26			
20	16QAM	50	50	12.54	12.58	12.54	12.30	14	0	
20	16QAM	100	0	12.41	12.27	12.42	12.25			
20	64QAM	1	0	12.29	12.20	12.24	12.23			
20	64QAM	1	49	12.47	12.58	12.47	12.32			
20	64QAM	1	99	12.38	12.29	12.44	12.24	14	0	
20	64QAM	50	0	12.22	12.21	12.21	12.21			
20	64QAM	50	24	12.53	12.56	12.55	12.28			
20	64QAM	50	50	12.47	12.28	12.49	12.18			
20	64QAM	100	0	12.23	12.22	12.20	12.27			
Channel				55315	55820	56160	56665			
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	12.44	12.60	12.47	12.28	14	0	
15	QPSK	1	37	12.41	12.25	12.47	12.19			
15	QPSK	1	74	12.30	12.14	12.17	12.22			
15	QPSK	36	0	12.49	12.53	12.40	12.32			
15	QPSK	36	20	12.40	12.15	12.38	12.16	14	0	
15	QPSK	36	39	12.24	12.16	12.19	12.30			
15	QPSK	75	0	12.51	12.53	12.46	12.33			
15	16QAM	1	0	12.45	12.19	12.44	12.20			
15	16QAM	1	37	12.20	12.11	12.19	12.25	14	0	
15	16QAM	1	74	12.44	12.47	12.40	12.31			
15	16QAM	36	0	12.44	12.17	12.43	12.23			
15	16QAM	36	20	12.18	12.11	12.23	12.18		14	0
15	16QAM	36	39	12.55	12.55	12.48	12.30			
15	16QAM	75	0	12.38	12.22	12.37	12.25			
15	64QAM	1	0	12.28	12.13	12.21	12.19	14	0	
15	64QAM	1	37	12.45	12.56	12.41	12.29			
15	64QAM	1	74	12.32	12.30	12.40	12.25			
15	64QAM	36	0	12.20	12.23	12.14	12.19			
15	64QAM	36	20	12.49	12.49	12.48	12.25	14	0	
15	64QAM	36	39	12.48	12.28	12.47	12.13			
15	64QAM	75	0	12.25	12.14	12.20	12.28			
Channel				55290	55815	56165	56690			
Frequency (MHz)				3555	3597.5	3642.5	3695			
10	QPSK	1	0	12.45	12.54	12.51	12.32	14	0	
10	QPSK	1	25	12.40	12.23	12.45	12.08			
10	QPSK	1	49	12.31	12.17	12.12	12.23			
10	QPSK	25	0	12.51	12.55	12.39	12.26			
10	QPSK	25	12	12.37	12.17	12.45	12.18	14	0	
10	QPSK	25	25	12.30	12.16	12.13	12.30			
10	QPSK	50	0	12.50	12.54	12.48	12.35			
10	16QAM	1	0	12.42	12.28	12.43	12.17			
10	16QAM	1	25	12.16	12.10	12.23	12.21	14	0	
10	16QAM	1	49	12.42	12.53	12.48	12.32			
10	16QAM	25	0	12.37	12.25	12.44	12.27			
10	16QAM	25	12	12.22	12.09	12.22	12.27		14	0
10	16QAM	25	25	12.46	12.53	12.55	12.31			
10	16QAM	50	0	12.35	12.23	12.35	12.26			
10	64QAM	1	0	12.26	12.13	12.21	12.18	14	0	
10	64QAM	1	25	12.46	12.55	12.46	12.29			
10	64QAM	1	49	12.34	12.31	12.39	12.19			
10	64QAM	25	0	12.18	12.15	12.22	12.18			
10	64QAM	25	12	12.46	12.49	12.57	12.27	14	0	
10	64QAM	25	25	12.42	12.27	12.45	12.13			
10	64QAM	50	0	12.16	12.22	12.16	12.22			
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	12.42	12.59	12.45	12.25	14	0	
5	QPSK	1	12	12.43	12.22	12.41	12.10			
5	QPSK	1	24	12.23	12.18	12.17	12.20			
5	QPSK	12	0	12.46	12.56	12.44	12.29			
5	QPSK	12	7	12.41	12.20	12.43	12.11	14	0	
5	QPSK	12	13	12.24	12.20	12.13	12.27			
5	QPSK	25	0	12.52	12.56	12.49	12.25			
5	16QAM	1	0	12.42	12.20	12.38	12.18			
5	16QAM	1	12	12.17	12.12	12.22	12.26	14	0	
5	16QAM	1	24	12.46	12.46	12.46	12.26			
5	16QAM	12	0	12.40	12.17	12.37	12.20			
5	16QAM	12	7	12.22	12.08	12.20	12.23		14	0
5	16QAM	12	13	12.47	12.50	12.47	12.31			
5	16QAM	25	0	12.38	12.22	12.42	12.26			
5	64QAM	1	0	12.22	12.17	12.25	12.23	14	0	
5	64QAM	1	12	12.45	12.52	12.45	12.26			
5	64QAM	1	24	12.37	12.26	12.46	12.18			
5	64QAM	12	0	12.23	12.15	12.16	12.19			
5	64QAM	12	7	12.52	12.56	12.56	12.24	14	0	
5	64QAM	12	13	12.41	12.28	12.50	12.11			
5	64QAM	25	0	12.21	12.18	12.16	12.28			

Reduced Power Mode for Hotspot on for WWAN

Default						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		
Tx Channel	128	189		128	189	251
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4	848.6
GSM 1 Tx slot	31.89	32.10	32.05	33.50	22.89	23.10
GPRS 1 Tx slot	31.88	32.11	31.99	33.50	22.88	23.11
GPRS 2 Tx slots	30.99	31.24	31.19	32.00	24.99	25.24
GPRS 3 Tx slots	29.11	29.36	29.20	30.50	24.85	25.10
GPRS 4 Tx slots	27.80	28.10	28.05	29.00	24.80	25.10
EDGE 1 Tx slot	28.45	28.49	28.51	27.50	17.45	17.61
EDGE 2 Tx slots	25.25	25.29	25.38	26.50	19.25	19.38
EDGE 3 Tx slots	23.10	23.12	23.24	24.50	18.84	18.86
EDGE 4 Tx slots	21.88	22.03	22.12	23.00	18.88	19.03

SA DS07						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		
Tx Channel	512	661		512	661	810
Frequency (MHz)	1652.2	1662.0	1672.8	1652.2	1662.0	1672.6
GSM 1 Tx slot	21.25	21.33	21.31	22.50	12.25	12.33
GPRS 1 Tx slot	21.25	21.28	21.26	22.50	12.25	12.28
GPRS 2 Tx slots	20.35	20.42	20.34	21.50	14.35	14.42
GPRS 3 Tx slots	18.28	18.37	18.36	19.50	14.03	14.11
GPRS 4 Tx slots	17.07	17.11	17.04	18.00	14.07	14.11
EDGE 1 Tx slot	17.75	17.78	17.74	19.00	8.75	8.78
EDGE 2 Tx slots	16.54	16.58	16.58	18.00	10.54	10.56
EDGE 3 Tx slots	14.35	14.39	14.34	15.50	10.04	10.13
EDGE 4 Tx slots	12.83	12.91	12.90	14.00	9.83	9.91

SA DS07						
Default						
Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)		
Tx Channel	1312	1413		1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6	1712.4	1732.6	1752.6
3GPP Rel 99	13.77	13.80	13.78	15.00	15.97	15.98
3GPP Rel 99	13.79	13.83	13.78	15.00	15.87	15.87
3GPP Rel 6	12.66	12.80	12.87	14.00	14.92	15.00
3GPP Rel 6	12.90	12.77	12.64	14.00	15.05	15.05
3GPP Rel 6	12.20	12.15	12.20	13.50	14.43	14.57
3GPP Rel 6	12.12	12.33	11.87	13.50	14.28	14.68
3GPP Rel 6	12.71	12.88	12.67	14.00	15.01	15.16
3GPP Rel 6	12.85	12.85	12.89	14.00	14.95	14.91
3GPP Rel 6	12.05	12.38	12.26	13.50	14.50	14.47
3GPP Rel 6	12.23	12.48	12.15	13.50	14.60	14.29
3GPP Rel 6	12.66	12.77	12.42	14.00	14.75	15.05
3GPP Rel 6	10.79	10.64	10.72	12.00	13.04	12.88
3GPP Rel 6	11.41	11.66	11.57	13.00	13.79	13.94
3GPP Rel 6	10.62	10.63	10.65	12.00	12.82	12.97
3GPP Rel 7	12.61	12.99	12.89	14.00	14.90	15.12
3GPP Rel 7	9.94	10.04	10.04	11.50	12.17	12.36

Band 2 Ant 0 SA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				18900	18900	19100				
Frequency (MHz)				18900	18900	19100				
20	QPSK	1	0	13.41	13.47	13.32	15	0		
20	QPSK	1	49	13.35	13.35	13.29				
20	QPSK	1	99	13.21	13.35	13.18				
20	QPSK	50	0	13.33	13.35	13.34				
20	QPSK	50	24	13.25	13.46	13.17				
20	QPSK	50	50	13.14	13.43	13.15	15	0		
20	QPSK	100	0	13.40	13.43	13.28				
20	16QAM	1	0	13.31	13.41	13.24				
20	16QAM	1	49	13.25	13.32	13.17				
20	16QAM	1	99	13.24	13.33	13.33				
20	16QAM	50	0	13.26	13.36	13.24	15	0		
20	16QAM	50	24	13.15	13.41	13.31				
20	16QAM	50	50	13.35	13.39	13.37				
20	16QAM	100	0	13.20	13.31	13.22				
20	64QAM	1	0	13.22	13.39	13.16				
20	64QAM	1	49	13.33	13.39	13.34	15	0		
20	64QAM	1	99	13.30	13.33	13.25				
20	64QAM	50	0	13.28	13.38	13.21				
20	64QAM	50	24	13.33	13.33	13.36				
20	64QAM	50	50	13.29	13.34	13.27				
20	64QAM	100	0	13.20	13.34	13.28	15	0		
Channel				18675	18900	19125				
Frequency (MHz)				18675	18800	1902.5				
15	QPSK	1	0	13.39	13.42	13.33	15	0		
15	QPSK	1	37	13.40	13.31	13.18				
15	QPSK	1	74	13.20	13.24	13.20				
15	QPSK	36	0	13.25	13.36	13.24				
15	QPSK	36	20	13.23	13.33	13.12				
15	QPSK	36	39	13.00	13.41	13.18	15	0		
15	QPSK	75	0	13.36	13.39	13.34				
15	16QAM	1	0	13.19	13.38	13.15				
15	16QAM	1	37	13.28	13.22	13.17				
15	16QAM	1	74	13.21	13.20	13.36				
15	16QAM	36	0	13.17	13.32	13.10	15	0		
15	16QAM	36	20	13.03	13.43	13.19				
15	16QAM	36	39	13.34	13.32	13.40				
15	16QAM	75	0	13.15	13.24	13.18				
15	64QAM	1	0	13.23	13.40	13.07				
15	64QAM	1	37	13.35	13.32	13.36	15	0		
15	64QAM	1	74	13.22	13.25	13.12				
15	64QAM	36	0	13.33	13.28	13.06				
15	64QAM	36	20	13.37	13.22	13.25				
15	64QAM	36	39	13.22	13.21	13.21				
15	64QAM	75	0	13.14	13.32	13.17	15	0		
Channel				18650	18900	19150				
Frequency (MHz)				18650	18800	19005				
10	QPSK	1	0	13.31	13.36	13.25	15	0		
10	QPSK	1	25	13.21	13.25	13.22				
10	QPSK	1	49	13.21	13.33	13.03				
10	QPSK	25	0	13.35	13.31	13.26				
10	QPSK	25	12	13.30	13.32	13.03				
10	QPSK	25	25	13.14	13.38	13.06	15	0		
10	QPSK	50	0	13.43	13.45	13.17				
10	16QAM	1	0	13.24	13.34	13.13				
10	16QAM	1	25	13.22	13.27	13.05				
10	16QAM	1	49	13.18	13.34	13.35				
10	16QAM	25	0	13.12	13.33	13.17	15	0		
10	16QAM	25	12	13.16	13.41	13.31				
10	16QAM	25	25	13.28	13.35	13.37				
10	16QAM	50	0	13.08	13.34	13.22				
10	64QAM	1	0	13.21	13.33	13.03				
10	64QAM	1	25	13.28	13.29	13.20	15	0		
10	64QAM	1	49	13.25	13.36	13.29				
10	64QAM	25	0	13.22	13.32	13.17				
10	64QAM	25	12	13.24	13.28	13.27				
10	64QAM	25	25	13.29	13.21	13.18				
10	64QAM	50	0	13.09	13.34	13.20	15	0		
Channel				18625	18900	19175				
Frequency (MHz)				18625	18800	1907.5				
5	QPSK	1	0	13.27	13.32	13.23	15	0		
5	QPSK	1	12	13.36	13.34	13.32				
5	QPSK	1	24	13.15	13.35	13.13				
5	QPSK	12	0	13.27	13.35	13.37				
5	QPSK	12	7	13.23	13.43	13.04				
5	QPSK	12	13	13.19	13.28	13.16	15	0		
5	QPSK	25	0	13.33	13.34	13.29				
5	16QAM	1	0	13.29	13.45	13.09				
5	16QAM	1	12	13.15	13.21	13.21				
5	16QAM	1	24	13.10	13.26	13.22				
5	16QAM	12	0	13.23	13.36	13.13	15	0		
5	16QAM	12	7	13.08	13.45	13.22				
5	16QAM	12	13	13.25	13.35	13.28				
5	16QAM	25	0	13.17	13.24	13.12				
5	64QAM	1	0	13.22	13.31	13.05				
5	64QAM	1	12	13.21	13.42	13.31	15	0		
5	64QAM	1	24	13.21	13.29	13.29				
5	64QAM	12	0	13.24	13.27	13.17				
5	64QAM	12	7	13.27	13.22	13.34				
5	64QAM	12	13	13.30	13.21	13.17				
5	64QAM	25	0	13.22	13.27	13.22	15	0		
Channel				18615	18900	19185				
Frequency (MHz)				1851.5	18800	1908.5				
3	QPSK	1	0	13.32	13.35	13.35	15	0		
3	QPSK	1	8	13.36	13.24	13.17				
3	QPSK	1	14	13.19	13.37	13.20				
3	QPSK	8	0	13.20	13.21	13.22				
3	QPSK	8	4	13.23	13.42	13.10				
3	QPSK	8	7	13.04	13.31	13.02	15	0		
3	QPSK	15	0	13.29	13.35	13.19				
3	16QAM	1	0	13.26	13.34	13.27				
3	16QAM	1	8	13.20	13.26	13.21				
3	16QAM	1	14	13.10	13.34	13.24				
3	16QAM	8	0	13.25	13.29	13.27	15	0		
3	16QAM	8	4	13.01	13.37	13.35				
3	16QAM	8	7	13.23	13.36	13.26				
3	16QAM	15	0	13.18	13.36	13.15				
3	64QAM	1	0	13.22	13.27	13.20				
3	64QAM	1	8	13.24	13.43	13.27	15	0		
3	64QAM	1	14	13.33	13.36	13.21				
3	64QAM	8	0	13.24	13.42	13.15				
3	64QAM	8	4	13.32	13.29	13.24				
3	64QAM	8	7	13.20	13.31	13.28				
3	64QAM	15	0	13.14	13.26	13.18	15	0		

Band 25 Ant 0 SA DSI7											
BW [MHz]	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)				1860	1880	1905					
20	QPSK	1	0	13.38	13.47	13.39	15	0			
20	QPSK	1	49	13.33	13.33	13.27					
20	QPSK	1	99	13.15	13.22	13.20					
20	QPSK	50	0	13.36	13.45	13.35					
20	QPSK	50	24	13.33	13.37	13.22	15	0			
20	QPSK	50	50	13.16	13.18	13.23					
20	QPSK	100	0	13.45	13.46	13.43					
20	16QAM	1	0	13.29	13.39	13.28					
20	16QAM	1	49	13.22	13.24	13.23	15	0			
20	16QAM	1	99	13.41	13.41	13.42					
20	16QAM	50	0	13.24	13.41	13.24					
20	16QAM	50	24	13.18	13.26	13.21					
20	16QAM	50	50	13.36	13.43	13.42	15	0			
20	16QAM	100	0	13.32	13.40	13.24					
20	64QAM	1	0	13.12	13.19	13.14					
20	64QAM	1	49	13.43	13.43	13.33	15	0			
20	64QAM	1	99	13.27	13.40	13.24					
20	64QAM	50	0	13.15	13.29	13.20					
20	64QAM	50	24	13.43	13.36	13.41					
20	64QAM	50	50	13.30	13.36	13.29	15	0			
20	64QAM	100	0	13.19	13.17	13.16					
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1857.5	1880	1907.5					
15	QPSK	1	0	13.32	13.40	13.37	15	0			
15	QPSK	1	37	13.23	13.28	13.24					
15	QPSK	1	74	13.15	13.11	13.19					
15	QPSK	36	0	13.35	13.37	13.28					
15	QPSK	36	20	13.22	13.32	13.11	15	0			
15	QPSK	36	39	13.09	13.17	13.19					
15	QPSK	75	0	13.39	13.38	13.33					
15	16QAM	1	0	13.19	13.32	13.25					
15	16QAM	1	37	13.15	13.19	13.13	15	0			
15	16QAM	1	74	13.33	13.36	13.41					
15	16QAM	36	0	13.18	13.36	13.23					
15	16QAM	36	20	13.16	13.22	13.13					
15	16QAM	36	39	13.31	13.42	13.42	15	0			
15	16QAM	75	0	13.29	13.33	13.18					
15	64QAM	1	0	13.10	13.19	13.07					
15	64QAM	1	37	13.33	13.34	13.26	15	0			
15	64QAM	1	74	13.16	13.29	13.22					
15	64QAM	36	0	13.04	13.24	13.10					
15	64QAM	36	20	13.40	13.30	13.39					
15	64QAM	36	39	13.18	13.33	13.23	15	0			
15	64QAM	75	0	13.08	13.15	13.04					
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1855	1880	1910					
10	QPSK	1	0	13.31	13.44	13.30	15	0			
10	QPSK	1	25	13.27	13.30	13.16					
10	QPSK	1	49	13.09	13.10	13.09					
10	QPSK	25	0	13.26	13.44	13.26					
10	QPSK	25	12	13.21	13.33	13.16	15	0			
10	QPSK	25	25	13.05	13.06	13.23					
10	QPSK	50	0	13.44	13.35	13.33					
10	16QAM	1	0	13.25	13.27	13.16					
10	16QAM	1	25	13.20	13.16	13.15	15	0			
10	16QAM	1	49	13.34	13.32	13.37					
10	16QAM	25	0	13.18	13.34	13.21					
10	16QAM	25	12	13.13	13.19	13.10					
10	16QAM	25	25	13.32	13.42	13.42	15	0			
10	16QAM	50	0	13.28	13.33	13.13					
10	64QAM	1	0	13.00	13.18	13.06					
10	64QAM	1	25	13.41	13.39	13.28		15	0		
10	64QAM	1	49	13.17	13.34	13.16					
10	64QAM	25	0	13.04	13.23	13.12					
10	64QAM	25	12	13.42	13.34	13.34		15	0		
10	64QAM	25	25	13.19	13.34	13.17					
10	64QAM	50	0	13.14	13.15	13.09					
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1852.5	1880	1912.5					
5	QPSK	1	0	13.27	13.36	13.32	15	0			
5	QPSK	1	12	13.23	13.33	13.24					
5	QPSK	1	24	13.03	13.11	13.14					
5	QPSK	12	0	13.33	13.44	13.34					
5	QPSK	12	7	13.28	13.29	13.15	15	0			
5	QPSK	12	13	13.09	13.13	13.22					
5	QPSK	25	0	13.38	13.37	13.31					
5	16QAM	1	0	13.19	13.39	13.26					
5	16QAM	1	12	13.13	13.16	13.16	15	0			
5	16QAM	1	24	13.32	13.34	13.33					
5	16QAM	12	0	13.13	13.41	13.21					
5	16QAM	12	7	13.17	13.18	13.18		15	0		
5	16QAM	12	13	13.25	13.35	13.36					
5	16QAM	25	0	13.24	13.31	13.22					
5	64QAM	1	0	13.11	13.08	13.09					
5	64QAM	1	12	13.31	13.39	13.28	15	0			
5	64QAM	1	24	13.21	13.32	13.14					
5	64QAM	12	0	13.04	13.18	13.10					
5	64QAM	12	7	13.42	13.29	13.29		15	0		
5	64QAM	12	13	13.18	13.26	13.19					
5	64QAM	25	0	13.07	13.12	13.08					
Channel				26095	26340	26675	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1851.5	1880	1913.5					
3	QPSK	1	0	13.31	13.35	13.29	15	0			
3	QPSK	1	8	13.32	13.27	13.16					
3	QPSK	1	14	13.10	13.20	13.18					
3	QPSK	8	0	13.25	13.37	13.34					
3	QPSK	8	4	13.22	13.37	13.17	15	0			
3	QPSK	8	7	13.12	13.18	13.20					
3	QPSK	15	0	13.37	13.38	13.43					
3	16QAM	1	0	13.24	13.37	13.28					
3	16QAM	1	8	13.17	13.13	13.15	15	0			
3	16QAM	1	14	13.32	13.35	13.30					
3	16QAM	8	0	13.23	13.30	13.16					
3	16QAM	8	4	13.08	13.24	13.09		15	0		
3	16QAM	8	7	13.34	13.36	13.35					
3	16QAM	15	0	13.26	13.40	13.18					
3	64QAM	1	0	13.05	13.12	13.08	15	0			
3	64QAM	1	8	13.32	13.37	13.21					
3	64QAM	1	14	13.19	13.34	13.17					
3	64QAM	8	0	13.12	13.28	13.13		15	0		
3	64QAM	8	4	13.31	13.26	13.30					
3	64QAM	8	7	13.27	13.25	13.18					

Band 25 Ant 0 SA DSI7										
BW [MHz]	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)				1860	1880	1905				
20	QPSK	1	0	13.38	13.47	13.39	15	0		
20	QPSK	1	49	13.33	13.33	13.27				
20	QPSK	1	99	13.15	13.22	13.20				
20	QPSK	50	0	13.36	13.45	13.35				
20	QPSK	50	24	13.33	13.37	13.22	15	0		
20	QPSK	50	50	13.16	13.18	13.23				
20	QPSK	100	0	13.45	13.46	13.43				
20	16QAM	1	0	13.29	13.39	13.28				
20	16QAM	1	49	13.22	13.24	13.23	15	0		
20	16QAM	1	99	13.41	13.41	13.42				
20	16QAM	50	0	13.24	13.41	13.24				
20	16QAM	50	24	13.18	13.26	13.21				
20	16QAM	50	50	13.36	13.43	13.42	15	0		
20	16QAM	100	0	13.32	13.40	13.24				
20	64QAM	1	0	13.12	13.19	13.14				
20	64QAM	1	49	13.43	13.43	13.33	15	0		
20	64QAM	1	99	13.27	13.40	13.24				
20	64QAM	50	0	13.15	13.29	13.20				
20	64QAM	50	24	13.43	13.36	13.41				
20	64QAM	50	50	13.30	13.36	13.29	15	0		
20	64QAM	100	0	13.19	13.17	13.16				
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	13.32	13.40	13.37	15	0		
15	QPSK	1	37	13.23	13.28	13.24				
15	QPSK	1	74	13.15	13.11	13.19				
15	QPSK	36	0	13.35	13.37	13.28				
15	QPSK	36	20	13.22	13.32	13.11	15	0		
15	QPSK	36	39	13.09	13.17	13.19				
15	QPSK	75	0	13.39	13.38	13.33				
15	16QAM	1	0	13.19	13.32	13.25				
15	16QAM	1	37	13.15	13.19	13.13	15	0		
15	16QAM	1	74	13.33	13.36	13.41				
15	16QAM	36	0	13.18	13.36	13.23				
15	16QAM	36	20	13.16	13.22	13.13				
15	16QAM	36	39	13.31	13.42	13.42	15	0		
15	16QAM	75	0	13.29	13.33	13.18				
15	64QAM	1	0	13.10	13.19	13.07				
15	64QAM	1	37	13.33	13.34	13.26	15	0		
15	64QAM	1	74	13.16	13.29	13.22				
15	64QAM	36	0	13.04	13.24	13.10				
15	64QAM	36	20	13.40	13.30	13.39				
15	64QAM	36	39	13.18	13.33	13.23	15	0		
15	64QAM	75	0	13.08	13.15	13.04				
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	13.31	13.44	13.30	15	0		
10	QPSK	1	25	13.27	13.30	13.16				
10	QPSK	1	49	13.09	13.10	13.09				
10	QPSK	25	0	13.26	13.44	13.26				
10</										



Band 7 Ant 1 SA DSI7									
BW [MHz]	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	2110	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.69	18.63	18.82	20	0	
20	QPSK	1	49	18.62	18.67	18.68			
20	QPSK	1	99	18.57	18.74	18.63	20	0	
20	QPSK	50	0	18.72	18.77	18.73			
20	QPSK	50	24	18.63	18.68	18.62	20	0	
20	QPSK	50	50	18.57	18.70	18.60			
20	QPSK	100	0	18.70	18.79	18.77	20	0	
20	16QAM	1	0	18.59	18.67	18.68			
20	16QAM	1	49	18.59	18.71	18.65	20	0	
20	16QAM	1	99	18.70	18.78	18.76			
20	16QAM	50	0	18.57	18.68	18.65	20	0	
20	16QAM	50	24	18.61	18.73	18.58			
20	16QAM	50	50	18.66	18.72	18.74	20	0	
20	16QAM	100	0	18.56	18.68	18.65			
20	64QAM	1	0	18.64	18.74	18.60	20	0	
20	64QAM	1	49	18.72	18.80	18.75			
20	64QAM	1	99	18.58	18.72	18.66	20	0	
20	64QAM	50	0	18.61	18.69	18.61			
20	64QAM	50	24	18.69	18.80	18.72	20	0	
20	64QAM	50	50	18.55	18.66	18.61			
20	64QAM	100	0	18.63	18.68	18.57	Tune-up limit (dBm)	MPR (dB)	
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	20	0	
15	QPSK	1	0	18.65	18.76	18.74			
15	QPSK	1	37	18.59	18.64	18.64	20	0	
15	QPSK	1	74	18.53	18.72	18.57			
15	QPSK	36	0	18.70	18.75	18.69	20	0	
15	QPSK	36	20	18.57	18.65	18.52			
15	QPSK	36	39	18.52	18.59	18.52	20	0	
15	QPSK	75	0	18.65	18.70	18.72			
15	16QAM	1	0	18.52	18.58	18.65	20	0	
15	16QAM	1	37	18.46	18.64	18.59			
15	16QAM	1	74	18.65	18.76	18.68	20	0	
15	16QAM	36	0	18.48	18.62	18.62			
15	16QAM	36	20	18.57	18.69	18.56	20	0	
15	16QAM	36	39	18.61	18.79	18.68			
15	16QAM	75	0	18.50	18.65	18.62	20	0	
15	64QAM	1	0	18.57	18.68	18.50			
15	64QAM	1	37	18.65	18.79	18.65	20	0	
15	64QAM	1	74	18.55	18.68	18.62			
15	64QAM	36	0	18.51	18.62	18.51	20	0	
15	64QAM	36	20	18.62	18.75	18.65			
15	64QAM	36	39	18.47	18.58	18.56	20	0	
15	64QAM	75	0	18.56	18.59	18.51			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	18.63	18.72	18.77	20	0	
10	QPSK	1	25	18.56	18.59	18.65			
10	QPSK	1	49	18.48	18.64	18.55	20	0	
10	QPSK	25	0	18.63	18.73	18.70			
10	QPSK	25	12	18.56	18.65	18.54	20	0	
10	QPSK	25	25	18.48	18.60	18.53			
10	QPSK	50	0	18.68	18.74	18.74	20	0	
10	16QAM	1	0	18.49	18.57	18.66			
10	16QAM	1	25	18.52	18.65	18.64	20	0	
10	16QAM	1	49	18.69	18.75	18.73			
10	16QAM	25	0	18.53	18.62	18.59	20	0	
10	16QAM	25	12	18.50	18.72	18.48			
10	16QAM	25	25	18.58	18.78	18.67	20	0	
10	16QAM	50	0	18.46	18.62	18.60			
10	64QAM	1	0	18.54	18.65	18.56	20	0	
10	64QAM	1	25	18.67	18.74	18.65			
10	64QAM	1	49	18.55	18.66	18.61	20	0	
10	64QAM	25	0	18.57	18.59	18.58			
10	64QAM	25	12	18.64	18.69	18.68	20	0	
10	64QAM	25	25	18.53	18.63	18.57			
10	64QAM	50	0	18.52	18.65	18.53	Tune-up limit (dBm)	MPR (dB)	
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	20	0	
5	QPSK	1	0	18.67	18.74	18.79			
5	QPSK	1	12	18.59	18.59	18.65	20	0	
5	QPSK	1	24	18.48	18.70	18.56			
5	QPSK	12	0	18.63	18.71	18.62	20	0	
5	QPSK	12	7	18.55	18.66	18.58			
5	QPSK	12	13	18.53	18.61	18.56	20	0	
5	QPSK	25	0	18.68	18.76	18.75			
5	16QAM	1	0	18.56	18.64	18.67	20	0	
5	16QAM	1	12	18.55	18.65	18.63			
5	16QAM	1	24	18.61	18.69	18.70	20	0	
5	16QAM	12	0	18.54	18.59	18.56			
5	16QAM	12	7	18.53	18.62	18.49	20	0	
5	16QAM	12	13	18.56	18.78	18.64			
5	16QAM	25	0	18.47	18.66	18.60	20	0	
5	64QAM	1	0	18.60	18.70	18.59			
5	64QAM	1	12	18.70	18.82	18.73	20	0	
5	64QAM	1	24	18.51	18.67	18.58			
5	64QAM	12	0	18.55	18.62	18.54	20	0	
5	64QAM	12	7	18.59	18.70	18.66			
5	64QAM	12	13	18.47	18.64	18.58	20	0	
5	64QAM	25	0	18.56	18.62	18.48			

Band 30 Ant 1 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				2765	27710	27735	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2307.5	2310	2312.5			
10	QPSK	1	0	19.67	19.69	19.68	21	0	
10	QPSK	1	25	19.52					
10	QPSK	1	49	19.65			21	0	
10	QPSK	25	0	19.72					
10	QPSK	25	12	19.67			21	0	
10	QPSK	25	25	19.64					
10	QPSK	50	0	19.73			21	0	
10	16QAM	1	0	19.49					
10	16QAM	1	25	19.72			21	0	
10	16QAM	1	49	19.69					
10	16QAM	25	0	19.65			21	0	
10	16QAM	25	12	19.66					
10	16QAM	25	25	19.77			21	0	
10	16QAM	50	0	19.56					
10	64QAM	1	0	19.68			21	0	
10	64QAM	1	25	19.76					
10	64QAM	1	49	19.54			21	0	
10	64QAM	25	0	19.59					
10	64QAM	25	12	19.75			21	0	
10	64QAM	25	25	19.64					
10	64QAM	50	0	19.71			Tune-up limit (dbm)	MPR (db)	
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	21	0	
5	QPSK	1	0	19.67	19.69	19.68			
5	QPSK	1	12	19.60	19.51	19.45	21	0	
5	QPSK	1	24	19.51	19.65	19.52			
5	QPSK	12	0	19.70	19.72	19.63	21	0	
5	QPSK	12	7	19.52	19.45	19.43			
5	QPSK	12	13	19.57	19.59	19.55	21	0	
5	QPSK	25	0	19.66	19.61	19.68			
5	16QAM	1	0	19.54	19.55	19.48	21	0	
5	16QAM	1	12	19.63	19.67	19.58			
5	16QAM	1	24	19.61	19.62	19.77	21	0	
5	16QAM	12	0	19.56	19.43	19.52			
5	16QAM	12	7	19.60	19.55	19.53	21	0	
5	16QAM	12	13	19.75	19.59	19.63			
5	16QAM	25	0	19.55	19.50	19.54	21	0	
5	64QAM	1	0	19.55	19.59	19.61			
5	64QAM	1	12	19.77	19.68	19.70	21	0	
5	64QAM	1	24	19.53	19.50	19.56			
5	64QAM	12	0	19.58	19.52	19.46	21	0	
5	64QAM	12	7	19.77	19.62	19.77			
5	64QAM	12	13	19.52	19.47	19.51	21	0	
5	64QAM	25	0	19.66	19.65	19.53			



Band 38 Ant 1 SA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Middle Co. [Frac]	Power High Co. [Frac]	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	0	2580	2595	2610				
20	QPSK	1	0	17.84	18.06	17.96	18.5	0		
20	QPSK	1	49	17.85	17.88	17.83				
20	QPSK	50	0	17.86	18.01	17.89	18.5	0		
20	QPSK	50	24	17.81	17.87	17.86				
20	QPSK	50	50	17.76	17.88	17.78	18.5	0		
20	QPSK	100	0	17.83	17.96	17.89				
20	16QAM	1	0	17.82	17.86	17.85	18.5	0		
20	16QAM	1	99	17.67	17.85	17.85				
20	16QAM	50	0	17.83	18.00	17.97	18.5	0		
20	16QAM	50	24	17.79	17.80	17.80				
20	16QAM	50	50	17.67	17.99	17.89	18.5	0		
20	16QAM	100	0	17.84	17.99	17.96				
20	64QAM	1	0	17.82	18.03	18.00	18.5	0		
20	64QAM	1	49	17.82	17.88	17.84				
20	64QAM	1	99	17.71	17.73	17.75	18.5	0		
20	64QAM	50	0	17.84	17.90	17.81				
20	64QAM	50	24	17.67	17.80	17.80	18.5	0		
20	64QAM	50	50	17.83	18.01	17.93				
20	64QAM	100	0	18.02	18.02	18.02	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	2575	2595	2612.5				
15	QPSK	1	0	17.80	18.02	17.93	18.5	0		
15	QPSK	1	37	17.69	17.88	17.81				
15	QPSK	1	74	17.66	17.82	17.81	18.5	0		
15	QPSK	36	0	17.82	17.97	17.89				
15	QPSK	36	20	17.77	17.83	17.84	18.5	0		
15	QPSK	36	39	17.73	17.84	17.75				
15	QPSK	75	0	17.80	17.81	17.85	18.5	0		
15	16QAM	1	0	17.67	17.84	17.82				
15	16QAM	1	37	17.67	17.73	17.74	18.5	0		
15	16QAM	1	74	17.64	17.90	17.94				
15	16QAM	36	0	17.81	17.95	17.96	18.5	0		
15	16QAM	36	20	17.77	17.78	17.87				
15	16QAM	36	39	17.83	17.87	17.85	18.5	0		
15	16QAM	75	0	17.81	17.97	17.92				
15	64QAM	1	0	17.80	18.02	17.96	18.5	0		
15	64QAM	1	37	17.67	17.76	17.72				
15	64QAM	1	74	17.80	17.86	17.82	18.5	0		
15	64QAM	36	0	17.66	17.77	17.66				
15	64QAM	36	20	17.74	17.65	17.68	18.5	0		
15	64QAM	36	39	17.78	17.85	17.80				
15	64QAM	75	0	17.89	18.08	17.96	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	2570	2590	2605				
10	QPSK	1	0	17.80	18.01	17.92	18.5	0		
10	QPSK	1	25	17.81	17.96	17.92				
10	QPSK	1	49	17.67	17.80	17.80	18.5	0		
10	QPSK	25	0	17.84	17.86	18.00				
10	QPSK	25	12	17.79	17.86	17.83	18.5	0		
10	QPSK	25	25	17.72	17.85	17.77				
10	QPSK	50	0	17.81	17.91	17.86	18.5	0		
10	16QAM	1	0	17.80	17.84	17.81				
10	16QAM	1	25	17.68	17.74	17.75	18.5	0		
10	16QAM	1	49	17.64	17.83	17.82				
10	16QAM	25	0	17.89	17.97	17.93	18.5	0		
10	16QAM	25	12	17.74	17.79	17.89				
10	16QAM	25	25	17.83	17.95	17.85	18.5	0		
10	16QAM	50	0	17.83	17.85	17.85				
10	64QAM	1	0	17.69	17.89	17.88	18.5	0		
10	64QAM	1	25	17.79	17.84	17.89				
10	64QAM	1	49	17.68	17.70	17.70	18.5	0		
10	64QAM	25	0	17.80	17.82	17.67				
10	64QAM	25	12	17.77	17.65	17.66	18.5	0		
10	64QAM	25	25	17.80	17.87	17.81				
10	64QAM	50	0	17.96	18.06	17.87	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	2577.5	2585	2617.5				
5	QPSK	1	0	17.83	17.99	17.93	18.5	0		
5	QPSK	1	12	17.69	17.85	17.89				
5	QPSK	1	24	17.66	17.80	17.81	18.5	0		
5	QPSK	12	0	17.84	17.95	18.00				
5	QPSK	12	7	17.76	17.83	17.82	18.5	0		
5	QPSK	12	13	17.75	17.87	17.76				
5	QPSK	25	0	17.79	17.84	17.85	18.5	0		
5	16QAM	1	0	17.88	17.94	17.93				
5	16QAM	1	12	17.65	17.73	17.75	18.5	0		
5	16QAM	1	24	17.85	17.92	17.91				
5	16QAM	12	0	17.81	17.97	17.95	18.5	0		
5	16QAM	12	7	17.78	17.78	17.69				
5	16QAM	12	13	17.83	17.94	17.85	18.5	0		
5	16QAM	25	0	17.81	17.97	17.92				
5	64QAM	1	0	17.69	18.00	17.98	18.5	0		
5	64QAM	1	12	17.80	17.84	17.80				
5	64QAM	1	24	17.69	17.72	17.71	18.5	0		
5	64QAM	12	0	17.74	17.84	17.67				
5	64QAM	12	7	17.73	17.84	17.70	18.5	0		
5	64QAM	12	13	17.61	17.86	17.83				
5	64QAM	25	0	17.91	17.99	17.87	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	0	2577.5	2585	2617.5				
30	QPSK	1	0	17.83	17.99	17.93	18.5	0		
30	QPSK	1	12	17.69	17.85	17.89				
30	QPSK	1	24	17.66	17.80	17.81	18.5	0		
30	QPSK	12	0	17.84	17.95	18.00				
30	QPSK	12	7	17.76	17.83	17.82	18.5	0		
30	QPSK	12	13	17.75	17.87	17.76				
30	QPSK	25	0	17.79	17.84	17.85	18.5	0		
30	16QAM	1	0	17.88	17.94	17.93				
30	16QAM	1	12	17.65	17.73	17.75	18.5	0		
30	16QAM	1	24	17.85	17.92	17.91				
30	16QAM	12	0	17.81	17.97	17.95	18.5	0		
30	16QAM	12	7	17.78	17.78	17.69				
30	16QAM	12	13	17.83	17.94	17.85	18.5	0		
30	16QAM	25	0	17.81	17.97	17.92				
30	64QAM	1	0	17.69	18.00	17.98	18.5	0		
30	64QAM	1	12	17.80	17.84	17.80				
30	64QAM	1	24	17.69	17.72	17.71	18.5	0		
30	64QAM	12	0	17.74	17.84	17.67				
30	64QAM	12	7	17.73	17.84	17.70	18.5	0		
30	64QAM	12	13	17.61	17.86	17.83				
30	64QAM	25	0	17.91	17.99	17.87	Tune-up limit (dBm)	MPR (dB)		

Band 2 Ant 4 SA DSI7										
BW [MHz]	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)				18690	18900	19000				
20	QPSK	1	0	19.91	20.13	19.94	21	0		
20	QPSK	1	49	19.74	19.92	19.82				
20	QPSK	1	99	19.83	19.86	19.75				
20	QPSK	50	0	19.93	20.07	19.94				
20	QPSK	50	24	19.75	19.96	19.77				
20	QPSK	50	50	19.77	19.92	19.78	21	0		
20	QPSK	100	0	19.97	20.12	20.04				
20	16QAM	1	0	19.79	19.92	19.80				
20	16QAM	1	49	19.82	19.93	19.78				
20	16QAM	1	99	19.51	19.71	19.58				
20	16QAM	50	0	19.41	19.56	19.44	20.5	0.5		
20	16QAM	50	24	19.17	19.32	19.26				
20	16QAM	50	50	19.10	19.30	19.27				
20	16QAM	100	0	19.24	19.34	19.33				
20	64QAM	1	0	18.62	18.57	18.65				
20	64QAM	1	49	18.66	18.64	18.65	20.5	0.5		
20	64QAM	1	99	18.63	18.65	18.64				
20	64QAM	50	0	17.51	17.57	17.67				
20	64QAM	50	24	17.54	17.55	17.63				
20	64QAM	50	50	17.53	17.59	17.58				
20	64QAM	100	0	17.51	17.50	17.71	19.5	1.5		
Channel				18675	18900	19125				
Frequency (MHz)				18675.5	18800	1902.5				
15	QPSK	1	0	19.86	20.07	19.86	21	0		
15	QPSK	1	37	19.67	19.83	19.79				
15	QPSK	1	74	19.76	19.79	19.67				
15	QPSK	36	0	19.88	19.97	19.88				
15	QPSK	36	20	19.67	19.95	19.68				
15	QPSK	36	39	19.68	19.84	19.75	21	0		
15	QPSK	75	0	19.67	20.12	20.02				
15	16QAM	1	0	19.69	19.83	19.79				
15	16QAM	1	37	19.76	19.84	19.77				
15	16QAM	1	74	19.47	19.62	19.52				
15	16QAM	36	0	19.38	19.34	19.35	20.5	0.5		
15	16QAM	36	20	19.05	19.10	19.07				
15	16QAM	36	39	19.00	19.17	19.14				
15	16QAM	75	0	19.05	19.19	19.34				
15	64QAM	1	0	18.58	18.55	18.54				
15	64QAM	1	37	18.59	18.56	18.58	20.5	0.5		
15	64QAM	1	74	18.55	18.59	18.65				
15	64QAM	36	0	17.54	17.50	17.65				
15	64QAM	36	20	17.56	17.58	17.58				
15	64QAM	36	39	17.34	17.52	17.53				
15	64QAM	75	0	17.54	17.57	17.67	19.5	1.5		
Channel				18650	18900	19150				
Frequency (MHz)				18650.5	18800	19005				
10	QPSK	1	0	19.90	20.07	19.92	21	0		
10	QPSK	1	25	19.65	19.88	19.81				
10	QPSK	1	49	19.75	19.82	19.65				
10	QPSK	25	0	19.83	20.00	19.91				
10	QPSK	25	12	19.75	19.89	19.74				
10	QPSK	25	25	19.77	19.82	19.75	21	0		
10	QPSK	50	0	19.90	20.12	20.03				
10	16QAM	1	0	19.76	19.90	19.70				
10	16QAM	1	25	19.76	19.91	19.77				
10	16QAM	1	49	19.49	19.67	19.48				
10	16QAM	25	0	19.23	19.46	19.27	20.5	0.5		
10	16QAM	25	12	19.14	19.14	19.17				
10	16QAM	25	25	19.01	19.20	19.10				
10	16QAM	50	0	19.03	19.31	19.30				
10	64QAM	1	0	18.51	18.55	18.51				
10	64QAM	1	25	18.58	18.59	18.57	20.5	0.5		
10	64QAM	1	49	18.59	18.55	18.56				
10	64QAM	25	0	17.58	17.68	17.54				
10	64QAM	25	12	17.56	17.68	17.54				
10	64QAM	25	25	17.58	17.57	17.61				
10	64QAM	50	0	17.57	17.58	17.71	19.5	1.5		
Channel				18625	18900	19175				
Frequency (MHz)				18625.5	18800	1907.5				
5	QPSK	1	0	19.90	20.09	19.93	21	0		
5	QPSK	1	12	19.74	19.84	19.80				
5	QPSK	1	24	19.75	19.85	19.73				
5	QPSK	12	0	19.85	19.98	19.89				
5	QPSK	12	7	19.74	19.89	19.73				
5	QPSK	12	13	19.68	19.89	19.69	21	0		
5	QPSK	25	0	19.91	20.12	20.04				
5	16QAM	1	0	19.78	19.92	19.76				
5	16QAM	1	12	19.72	19.90	19.71				
5	16QAM	1	24	19.47	19.66	19.55				
5	16QAM	12	0	19.19	19.44	19.40	20.5	0.5		
5	16QAM	12	7	19.09	19.30	19.18				
5	16QAM	12	13	18.95	19.09	19.28				
5	16QAM	25	0	19.09	19.27	19.25				
5	64QAM	1	0	18.51	18.55	18.58				
5	64QAM	1	12	18.61	18.56	18.57	20.5	0.5		
5	64QAM	1	24	18.51	18.56	18.57				
5	64QAM	12	0	17.56	17.64	17.66				
5	64QAM	12	7	17.57	17.56	17.63				
5	64QAM	12	13	17.50	17.56	17.55				
5	64QAM	25	0	17.52	17.57	17.64	19.5	1.5		
Channel				18615	18900	19185				
Frequency (MHz)				18615.5	18800	1908.5				
3	QPSK	1	0	19.89	20.10	19.84	21	0		
3	QPSK	1	8	19.66	19.88	19.78				
3	QPSK	1	14	19.61	19.62	19.73				
3	QPSK	8	0	19.86	19.98	19.93				
3	QPSK	8	4	19.70	19.95	19.69				
3	QPSK	8	7	19.68	19.84	19.73	21	0		
3	QPSK	15	0	19.93	20.00	19.96				
3	16QAM	1	0	19.79	19.84	19.78				
3	16QAM	1	8	19.73	19.87	19.69				
3	16QAM	1	14	19.42	19.67	19.50				
3	16QAM	8	0	19.33	19.48	19.36	20.5	0.5		
3	16QAM	8	4	19.08	19.30	19.17				
3	16QAM	8	7	19.11	19.18	19.16				
3	16QAM	15	0	19.18	19.12	19.20				
3	64QAM	1	0	18.62	18.54	18.62				
3	64QAM	1	8	18.59	18.59	18.57	20.5	0.5		
3	64QAM	1	14	18.58	18.64	18.65				
3	64QAM	8	0	17.58	17.59	17.54				
3	64QAM	8	4	17.52	17.57	17.55				
3	64QAM	8	7	17.58	17.57	17.53				
3	64QAM	15	0	17.53	17.51	17.69	19.5	1.5		
Channel				18607	18900	19193				
Frequency (MHz)				18607.7	18800	1909.3				
1.4	QPSK	1	0	19.96	20.05	19.92	21	0		
1.4	QPSK	1	0	19.71	19.83	19.73				
1.4	QPSK	1	5	19.80	19.79	19.67				
1.4	QPSK	3	0	19.86	20.06	19.86				
1.4	QPSK	3	1	19.75	19.88	19.67				
1.4	QPSK	3	3	19.67	19.92	19.73	21	0		
1.4	QPSK	6	0	19.63	19.85	19.63				
1.4	16QAM	1	0	19.69	19.82	19.71				
1.4	16QAM	1	3	19.75	19.89	19.68				
1.4	16QAM	1	5	19.42	19.70	19.53				
1.4	16QAM	3	0	19.65	19.84	19.65	20.5	0.5		
1.4	16QAM	3	1	19.65	19.82	19.60				
1.4	16QAM	3	3	19.36	19.67	19.53				
1.4	16QAM	6	0	19.19	19.34	19.21				
1.4	64QAM	1	0	18.51	18.56	18.66				
1.4	64QAM	1	3	18.54	18.55	18.63	20.5	0.5		
1.4	64QAM	1	5	18.53	18.61	18.54				
1.4	64QAM	3	0	18.51	18.62	18.62				
1.4	64QAM	3	3	18.53	18.53	18.64				
1.4	64QAM	3	3	18.58	18.52	18.57				
1.4	64QAM	6	0	17.59	17.65	17.69	19.5	1.5		

Band 25 Ant 4 SA DSI7										
BW [MHz]	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)				1860	1880	1905				
20	QPSK	1	0	19.71	19.70	19.75	21	0		
20	QPSK	1	49	19.58	19.62	19.75				
20	QPSK	1	99	19.70	19.76	19.71				
20	QPSK	50	0	19.64	19.74	19.53				
20	QPSK	50	24	19.66	19.59	19.71	21	0		
20	QPSK	50	50	19.63	19.66	19.65				
20	QPSK	100	0	19.68	19.76	19.67				
20	16QAM	1	0	19.53	19.58	19.67				
20	16QAM	1	49	19.65	19.71	19.72	21	0		
20	16QAM	1	99	19.59	19.77	19.55				
20	16QAM	50	0	19.28	19.37	19.29				
20	16QAM	50	24	19.07	19.31	19.15				
20	16QAM	50	50	19.11	19.36	19.13	20.5	0.5		
20	16QAM	100	0	19.06	19.28	19.12				
20	64QAM	1	0	19.43	19.51	19.37				
20	64QAM	1	49	19.35	19.40	19.31				
20	64QAM	1	99	19.43	19.48	19.38	20.5	0.5		
20	64QAM	50	0	19.35	19.39	19.32				
20	64QAM	50	24	18.34	18.34	18.24				
20	64QAM	50	50	18.15	18.39	18.15				
20	64QAM	100	0	18.29	18.25	18.13	19.5	1.5		
Channel				26115	26340	26615				
Frequency (MHz)				1857.5	1880	1907.5				
15	QPSK	1	0	19.62	19.72	19.53	21	0		
15	QPSK	1	37	19.61	19.61	19.75				
15	QPSK	1	74	19.63	19.78	19.77				
15	QPSK	36	0	19.55	19.69	19.54				
15	QPSK	36	20	19.63	19.60	19.70	21	0		
15	QPSK	36	39	19.63	19.78	19.69				
15	QPSK	75	0	19.65	19.71	19.69				
15	16QAM	1	0	19.56	19.57	19.64				
15	16QAM	1	37	19.65	19.71	19.71	21	0		
15	16QAM	1	74	19.60	19.75	19.50				
15	16QAM	36	0	19.24	19.26	19.29				
15	16QAM	36	20	19.28	19.27	19.25				
15	16QAM	36	39	19.08	19.14	19.09	20.5	0.5		
15	16QAM	75	0	19.00	19.23	19.04				
15	64QAM	1	0	19.27	19.38	19.35				
15	64QAM	1	37	19.21	19.18	19.19				
15	64QAM	1	74	19.44	19.34	19.25	20.5	0.5		
15	64QAM	36	0	18.26	18.35	18.22				
15	64QAM	36	20	18.17	18.23	18.04				
15	64QAM	36	39	18.11	18.27	18.07				
15	64QAM	75	0	18.21	18.06	18.04	Tune-up limit (dBm)	MPR (dB)		
Channel				26090	26340	26640				
Frequency (MHz)				1855	1880	1910				
10	QPSK	1	0	19.64	19.73	19.55	21	0		
10	QPSK	1	25	19.56	19.60	19.76				
10	QPSK	1	49	19.69	19.71	19.76				
10	QPSK	25	0	19.62	19.73	19.66				
10	QPSK	25	12	19.60	19.63	19.78	21	0		
10	QPSK	25	25	19.70	19.77	19.72				
10	QPSK	50	0	19.70	19.74	19.52				
10	16QAM	1	0	19.56	19.56	19.71				
10	16QAM	1	25	19.58	19.75	19.76	21	0		
10	16QAM	1	49	19.67	19.76	19.51				
10	16QAM	25	0	19.10	19.33	19.21				
10	16QAM	25	12	19.25	19.27	19.08				
10	16QAM	25	25	19.09	19.17	19.10	20.5	0.5		
10	16QAM	50	0	19.29	19.26	19.02				
10	64QAM	1	0	19.23	19.47	19.19				
10	64QAM	1	25	19.18	19.33	19.30				
10	64QAM	1	49	19.29	19.47	19.16	19.5	1.5		
10	64QAM	25	0	19.19	19.26	19.21				
10	64QAM	25	12	18.27	18.35	18.16				
10	64QAM	25	25	18.13	18.27	18.15				
10	64QAM	50	0	18.07	18.12	18.11	Tune-up limit (dBm)	MPR (dB)		
Channel				26095	26340	26665				
Frequency (MHz)				1852.5	1880	1912.5				
5	QPSK	1	0	19.68	19.76	19.58	21	0		
5	QPSK	1	12	19.58	19.58	19.67				
5	QPSK	1	24	19.72	19.75	19.74				
5	QPSK	12	0	19.63	19.78	19.65				
5	QPSK	12	7	19.59	19.60	19.77	21	0		
5	QPSK	12	13	19.64	19.77	19.75				
5	QPSK	25	0	19.66	19.78	19.67				
5	16QAM	1	0	19.55	19.62	19.68				
5	16QAM	1	12	19.65	19.70	19.75	21	0		
5	16QAM	1	24	19.65	19.77	19.50				
5	16QAM	12	0	19.26	19.26	19.23				
5	16QAM	12	7	19.08	19.30	19.14				
5	16QAM	12	13	19.09	19.15	19.14	20.5	0.5		
5	16QAM	25	0	19.07	19.13	19.15				
5	64QAM	1	0	19.39	19.49	19.19				
5	64QAM	1	12	19.20	19.31	19.17				
5	64QAM	1	24	19.45	19.46	19.17	20.5	0.5		
5	64QAM	12	0	18.36	18.23	18.10				
5	64QAM	12	7	18.17	18.31	18.21				
5	64QAM	12	13	18.13	18.19	18.17				
5	64QAM	25	0	18.25	18.15	18.03	19.5	1.5		
Channel				26095	26340	26675				
Frequency (MHz)				1851.5	1880	1913.5				
3	QPSK	1	0	19.65	19.76	19.53	21	0		
3	QPSK	1	8	19.59	19.58	19.66				
3	QPSK	1	14	19.68	19.72	19.69				
3	QPSK	8	0	19.56	19.76	19.65				
3	QPSK	8	4	19.67	19.63	19.73	21	0		
3	QPSK	8	7	19.62	19.75	19.72				
3	QPSK	15	0	19.62	19.70	19.65				
3	16QAM	1	0	19.58	19.59	19.66				
3	16QAM	1	8	19.61	19.70	19.75	21	0		
3	16QAM	1	14	19.61	19.71	19.69				
3	16QAM	8	0	19.27	19.33	19.26				
3	16QAM	8	4	19.14	19.20	19.10				
3	16QAM	8	7	19.06	19.18	19.11	20.5	0.5		
3	16QAM	15	0	19.11	19.27	19.09				
3	64QAM	1	0	19.28	19.48	19.35				
3	64QAM	1	8	19.26	19.27	19.31				
3	64QAM	1	14	19.32	19.36	19.27	20.5	0.5		
3	64QAM	8	0	18.20	18.22	18.14				
3	64QAM	8	4	18.35	18.25	18.08				
3	64QAM	8	7	18.09	18.20	18.14				
3	64QAM	15	0	18.22	18.23	18.08	19.5	1.5		
Channel				26097	26340	26683				
Frequency (MHz)				1850.7	1880	1914.3				
1.4	QPSK	1	0	19.63	19.76	19.57	21	0		
1.4	QPSK	1	3	19.54	19.54	19.66				
1.4	QPSK	1	5	19.66	19.75	19.71				
1.4	QPSK	3	0	19.64	19.76	19.64				
1.4	QPSK	3	1	19.59	19.59	19.72	21	0		
1.4	QPSK	3	3	19.66	19.68	19.77				
1.4	QPSK	6	0	19.69	19.73	19.53				
1.4	16QAM	1	0	19.54	19.60	19.66				
1.4	16QAM	1	3	19.58	19.69	19.69	21	0		
1.4	16QAM	1	5	19.60	19.72	19.67				
1.4	16QAM	3	0	19.61	19.67	19.71				
1.4	16QAM	3	3	19.60	19.76	19.54				
1.4	64QAM	1	0	19.18	19.39	19.29	20.5	0.5		
1.4	64QAM	1	0	19.42	19.45	19.37				
1.4	64QAM	1	3	19.30	19.25	19.16				
1.4	64QAM	1	5	19.40	19.31	19.29				
1.4	64QAM	3	0	19.31	19.31	19.26	20.5	0.5		
1.4	64QAM	3	3	19.14	19.28	19.25				
1.4	64QAM	3	3	19.44	19.27	19.34				
1.4	64QAM	6	0	18.27	18.16	18.16				

Band 48 Ant 5 SA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	16.98	17.15	17.03	16.77	18.5		
20	QPSK	1	49	16.97	16.74	16.93	16.72			
20	QPSK	1	99	16.72	16.68	16.72	16.79			
20	QPSK	50	0	16.93	17.10	17.01	16.70			
20	QPSK	50	24	16.93	16.68	16.87	16.66	18.5		
20	QPSK	50	50	16.69	16.62	16.65	16.74			
20	QPSK	100	0	16.93	17.12	16.98	16.70			
20	16QAM	1	0	16.95	17.10	16.99	16.72	18.5		
20	16QAM	1	49	16.89	16.70	16.85	16.67			
20	16QAM	1	99	16.67	16.60	16.69	16.77			
20	16QAM	50	0	16.91	17.07	16.99	16.73			
20	16QAM	50	24	16.94	16.69	16.87	16.68	18.5		
20	16QAM	50	50	16.68	16.64	16.68	16.75			
20	16QAM	100	0	16.93	17.07	16.97	16.74			
20	64QAM	1	0	16.95	17.11	16.99	16.73	18.5		
20	64QAM	1	49	16.93	16.95	16.89	16.69			
20	64QAM	1	99	16.92	16.94	16.69	16.74			
20	64QAM	50	0	16.91	17.08	17.01	16.70			
20	64QAM	50	24	16.89	16.66	16.87	16.66	18.5		
20	64QAM	50	50	16.69	16.61	16.64	16.77			
20	64QAM	100	0	16.64	16.76	16.64	16.68			
Channel				55315	55820	56160	56665			
Frequency (MHz)				3557.5	3608	3642	3692.5			
15	QPSK	1	0	16.93	17.08	16.99	16.74	18.5		
15	QPSK	1	37	16.90	16.71	16.87	16.65			
15	QPSK	1	74	16.68	16.65	16.69	16.76			
15	QPSK	36	0	16.87	17.04	16.97	16.67			
15	QPSK	36	20	16.89	16.60	16.81	16.61	18.5		
15	QPSK	36	39	16.66	16.56	16.62	16.69			
15	QPSK	75	0	16.90	17.04	16.94	16.64			
15	16QAM	1	0	16.89	17.05	16.94	16.70			
15	16QAM	1	37	16.85	16.66	16.80	16.61	18.5		
15	16QAM	1	74	16.61	16.56	16.66	16.71			
15	16QAM	36	0	16.83	16.99	16.93	16.65			
15	16QAM	36	20	16.90	16.66	16.81	16.65			
15	16QAM	36	39	16.66	16.56	16.64	16.69	18.5		
15	16QAM	75	0	16.90	16.99	16.94	16.69			
15	64QAM	1	0	16.93	17.08	16.92	16.66			
15	64QAM	1	37	16.89	16.91	16.82	16.62			
15	64QAM	1	74	16.84	16.89	16.61	16.69	18.5		
15	64QAM	36	0	16.88	17.03	16.98	16.64			
15	64QAM	36	20	16.84	16.58	16.82	16.64			
15	64QAM	36	39	16.66	16.58	16.57	16.71			
15	64QAM	75	0	16.58	16.73	16.58	16.63			
Channel				55290	55815	56165	56690			
Frequency (MHz)				3555	3597.5	3642.5	3695			
10	QPSK	1	0	16.92	17.12	16.99	16.72			
10	QPSK	1	23	16.91	16.70	16.88	16.68	18.5		
10	QPSK	1	49	16.68	16.64	16.70	16.75			
10	QPSK	25	0	16.87	17.04	16.98	16.62			
10	QPSK	25	12	16.89	16.65	16.82	16.64	18.5		
10	QPSK	25	25	16.62	16.60	16.59	16.71			
10	QPSK	60	0	16.86	17.04	16.92	16.64			
10	16QAM	1	0	16.89	17.05	16.92	16.70			
10	16QAM	1	25	16.86	16.67	16.79	16.64	18.5		
10	16QAM	1	49	16.65	16.57	16.66	16.72			
10	16QAM	25	0	16.87	17.03	16.95	16.68			
10	16QAM	25	12	16.89	16.63	16.80	16.62			
10	16QAM	25	25	16.62	16.58	16.62	16.74	18.5		
10	16QAM	50	0	16.89	17.01	16.90	16.71			
10	64QAM	1	0	16.89	17.07	16.94	16.68			
10	64QAM	1	25	16.85	16.89	16.81	16.64			
10	64QAM	1	49	16.85	16.88	16.66	16.70	18.5		
10	64QAM	25	0	16.88	17.03	16.95	16.65			
10	64QAM	25	12	16.84	16.61	16.79	16.60			
10	64QAM	25	25	16.61	16.55	16.57	16.73			
10	64QAM	50	0	16.58	16.68	16.62	16.64			
Channel				55265	55810	56170	56715			
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	16.91	17.10	17.00	16.72			
5	QPSK	1	12	16.92	16.67	16.88	16.65	18.5		
5	QPSK	1	24	16.69	16.63	16.65	16.73			
5	QPSK	12	0	16.90	17.05	16.94	16.63			
5	QPSK	12	7	16.90	16.63	16.83	16.62	18.5		
5	QPSK	12	13	16.63	16.59	16.61	16.66			
5	QPSK	25	0	16.87	17.04	16.92	16.62			
5	16QAM	1	0	16.88	17.03	16.93	16.69			
5	16QAM	1	12	16.85	16.67	16.81	16.60	18.5		
5	16QAM	1	24	16.62	16.53	16.66	16.69			
5	16QAM	12	0	16.86	17.04	16.92	16.65			
5	16QAM	12	7	16.90	16.63	16.82	16.61			
5	16QAM	12	13	16.62	16.60	16.65	16.73	18.5		
5	16QAM	25	0	16.89	17.03	16.94	16.69			
5	64QAM	1	0	16.88	17.08	16.95	16.66			
5	64QAM	1	12	16.87	16.91	16.82	16.63			
5	64QAM	1	24	16.87	16.87	16.63	16.70	18.5		
5	64QAM	12	0	16.84	17.02	16.94	16.66			
5	64QAM	12	7	16.86	16.64	16.82	16.60			
5	64QAM	12	13	16.61	16.58	16.61	16.71			
5	64QAM	25	0	16.61	16.73	16.57	16.63			

Band 4 Ant 0 NSA DSI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				20050	20175	20300				
Frequency (MHz)				1720	1732.5	1745				
20	QPSK	1	0	13.10	13.12	12.97	14.5	0		
20	QPSK	1	49	12.94	13.08	13.01				
20	QPSK	1	99	12.86	12.91	12.97				
20	QPSK	50	0	12.98	13.09	12.84				
20	QPSK	50	24	13.04	13.00	12.96	14.5	0		
20	QPSK	50	50	12.98	13.05	12.91				
20	QPSK	100	0	12.94	13.00	12.83				
20	16QAM	1	0	12.93	13.01	12.96				
20	16QAM	1	49	13.02	12.97	13.05	14.5	0		
20	16QAM	1	99	12.93	13.06	12.98				
20	16QAM	50	0	13.10	12.97	12.99				
20	16QAM	50	24	12.93	13.10	12.92				
20	16QAM	50	50	12.97	13.08	12.97	14.5	0		
20	16QAM	100	0	13.04	13.02	12.94				
20	64QAM	1	0	12.75	12.92	13.00				
20	64QAM	1	49	13.04	13.05	13.03				
20	64QAM	1	99	13.05	13.07	12.99	14.5	0		
20	64QAM	50	0	12.97	13.03	12.93				
20	64QAM	50	24	13.10	13.08	12.92				
20	64QAM	50	50	13.00	12.93	12.90				
20	64QAM	100	0	12.93	13.02	12.95	14.5	0		
Channel				20025	20175	20325				
Frequency (MHz)				1717.5	1732.5	1747.5				
15	QPSK	1	0	13.11	13.09	12.91	14.5	0		
15	QPSK	1	37	12.96	13.09	12.93				
15	QPSK	1	74	12.77	12.84	12.92				
15	QPSK	36	0	12.99	13.10	12.74				
15	QPSK	36	20	13.04	13.01	12.88	14.5	0		
15	QPSK	36	39	12.91	13.02	12.80				
15	QPSK	75	0	12.87	13.00	12.83				
15	16QAM	1	0	12.86	12.81	12.83				
15	16QAM	1	37	13.00	12.94	13.00	14.5	0		
15	16QAM	1	74	12.88	13.03	12.98				
15	16QAM	36	0	13.06	12.96	12.81				
15	16QAM	36	20	12.86	13.11	12.86				
15	16QAM	36	39	12.87	13.05	12.97	14.5	0		
15	16QAM	75	0	12.86	12.98	12.82				
15	64QAM	1	0	12.70	12.87	12.92				
15	64QAM	1	37	13.03	13.04	12.98				
15	64QAM	1	74	12.88	13.03	12.95	14.5	0		
15	64QAM	36	0	12.93	12.96	12.83				
15	64QAM	36	20	13.02	12.99	12.92				
15	64QAM	36	39	12.86	13.02	12.87				
15	64QAM	75	0	12.93	12.91	12.86	14.5	0		
Channel				20000	20175	20350				
Frequency (MHz)				1715	1732.5	1750				
10	QPSK	1	0	13.08	13.03	12.97	14.5	0		
10	QPSK	1	25	12.93	12.99	12.91				
10	QPSK	1	49	12.83	12.85	12.94				
10	QPSK	25	0	12.89	13.01	12.84				
10	QPSK	25	12	13.04	12.95	12.94	14.5	0		
10	QPSK	25	25	12.95	13.02	12.88				
10	QPSK	50	0	12.84	12.95	12.82				
10	16QAM	1	0	12.85	12.92	12.92				
10	16QAM	1	25	12.94	12.89	12.99	14.5	0		
10	16QAM	1	49	12.93	12.99	12.90				
10	16QAM	25	0	13.06	12.98	12.85				
10	16QAM	25	12	12.92	12.98	12.85				
10	16QAM	25	25	12.92	13.05	12.92	14.5	0		
10	16QAM	50	0	12.94	12.97	12.85				
10	64QAM	1	0	12.70	12.84	12.90				
10	64QAM	1	25	13.04	13.06	12.96				
10	64QAM	1	49	13.03	13.01	12.98	14.5	0		
10	64QAM	25	0	12.95	12.96	12.87				
10	64QAM	25	12	13.09	13.00	12.84				
10	64QAM	25	25	12.86	12.81	12.87				
10	64QAM	25	25	12.86	12.81	12.87	14.5	0		
10	64QAM	50	0	12.89	12.97	12.86				
Channel				19975	20175	20375				
Frequency (MHz)				1712.5	1732.5	1752.5				
5	QPSK	1	0	13.09	13.10	12.95	14.5	0		
5	QPSK	1	12	12.90	13.03	12.95				
5	QPSK	1	24	12.81	12.88	12.93				
5	QPSK	12	0	12.87	13.10	12.74				
5	QPSK	12	7	12.85	12.99	12.92	14.5	0		
5	QPSK	12	13	12.96	12.95	12.82				
5	QPSK	25	0	12.93	12.98	12.83				
5	16QAM	1	0	12.80	12.92	12.85				
5	16QAM	1	12	12.92	12.94	12.98	14.5	0		
5	16QAM	1	24	12.92	12.95	12.99				
5	16QAM	12	0	13.02	12.91	12.83				
5	16QAM	12	7	12.93	13.07	12.91				
5	16QAM	12	13	12.86	13.02	12.92	14.5	0		
5	16QAM	25	0	12.99	12.95	12.84				
5	64QAM	1	0	12.70	12.90	12.90				
5	64QAM	1	12	13.02	13.01	12.99				
5	64QAM	1	24	13.00	13.01	12.89	14.5	0		
5	64QAM	12	0	12.94	12.95	12.80				
5	64QAM	12	7	13.03	13.00	12.83				
5	64QAM	12	13	12.84	12.83	12.86				
5	64QAM	25	0	12.91	12.95	12.94	14.5	0		
Channel				19965	20175	20385				
Frequency (MHz)				1711.5	1732.5	1753.5				
3	QPSK	1	0	13.03	13.11	12.87	14.5	0		
3	QPSK	1	8	12.85	13.06	12.95				
3	QPSK	1	14	12.76	12.81	12.92				
3	QPSK	8	0	12.91	13.04	12.80				
3	QPSK	8	4	12.85	12.83	12.81	14.5	0		
3	QPSK	8	7	12.93	12.96	12.91				
3	QPSK	15	0	12.94	12.91	12.77				
3	16QAM	1	0	12.94	12.92	12.95				
3	16QAM	1	8	13.00	12.96	12.95	14.5	0		
3	16QAM	1	14	12.91	12.96	12.94				
3	16QAM	8	0	13.04	12.92	12.86				
3	16QAM	8	4	12.87	13.09	12.86				
3	16QAM	8	7	12.97	13.06	12.90	14.5	0		
3	16QAM	15	0	12.97	13.03	12.95				
3	64QAM	1	0	12.75	12.86	12.96				
3	64QAM	1	8	13.01	12.94	13.03				
3	64QAM	1	14	12.96	13.00	13.00	14.5	0		
3	64QAM	8	0	12.93	12.92	12.85				
3	64QAM	8	0	12.93	12.95	12.90				
3	64QAM	8	4	13.04	13.01	12.88				
3	64QAM	8	7	13.00	12.87	12.81	14.5	0		
3	64QAM	15	0	12.93	12.92	12.90				
Channel				19967	20175	20393				
Frequency (MHz)				1710.7	1732.5	1754.3				
1.4	QPSK	1	0	13.08	13.01	12.93	14.5	0		
1.4	QPSK	1	3	12.88	13.09	12.90				
1.4	QPSK	1	5	12.81	12.83	12.98				
1.4	QPSK	3	0	12.90	13.04	12.75				
1.4	QPSK	3	1	13.02	12.99	12.95	14.5	0		
1.4	QPSK	3	3	12.96	13.03	12.81				
1.4	QPSK	6	0	12.93	12.92	12.77				
1.4	16QAM	1	0	12.83	12.92	12.85				
1.4	16QAM	1	3	12.91	12.93	12.98	14.5	0		
1.4	16QAM	1	5	12.87	12.99	12.88				
1.4	16QAM	3	0	13.09	12.91	12.83				
1.4	16QAM	3	1	12.85	13.07	12.92				
1.4	16QAM	3	3	12.97	13.03	12.92	14.5	0		
1.4	16QAM	6	0	12.96	12.95	12.86				
1.4	64QAM	1	0	12.72	12.82	12.91				
1.4	64QAM	1	3	12.98	12.99	13.02				
1.4	64QAM	1	5	13.05	13.01	12.88	14.5	0		
1.4	64QAM	3	0	12.87	12.93	12.86				
1.4	64QAM	3	1	13.10	13.06	12.87				
1.4	64QAM	3	3	12.90	12.85	12.91				
1.4	64QAM	6	0	12.87	13.03	12.92	14.5	0		

Band 7 Ant 1 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20550	21100	21550	2510	2535	2560
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.71	15.83	15.80	17	0	
20	QPSK	1	49	15.59	15.64	15.62			
20	QPSK	1	99	15.61	15.68	15.58			
20	QPSK	50	0	15.65	15.81	15.80	17	0	
20	QPSK	50	24	15.61	15.71	15.81			
20	QPSK	50	50	15.63	15.68	15.60			
20	QPSK	100	0	15.68	15.90	15.72	17	0	
20	16QAM	1	0	15.62	15.63	15.68			
20	16QAM	1	49	15.56	15.73	15.63			
20	16QAM	1	99	15.73	15.62	15.74	17	0	
20	16QAM	50	0	15.55	15.62	15.63			
20	16QAM	50	24	15.58	15.69	15.58			
20	16QAM	50	50	15.63	15.76	15.73	17	0	
20	16QAM	100	0	15.55	15.67	15.64			
20	64QAM	1	0	15.62	15.66	15.58			
20	64QAM	1	49	15.64	15.79	15.73	17	0	
20	64QAM	1	99	15.57	15.67	15.63			
20	64QAM	50	0	15.57	15.69	15.66			
20	64QAM	50	24	15.63	15.70	15.78	17	0	
20	64QAM	50	50	15.58	15.68	15.64			
20	64QAM	100	0	15.65	15.75	15.64			
Channel				20825	21100	21375	2507.5	2535	2562.5
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	15.70	15.74	15.71	17	0	
15	QPSK	1	37	15.57	15.57	15.55			
15	QPSK	1	74	15.56	15.64	15.56			
15	QPSK	36	0	15.56	15.77	15.77	17	0	
15	QPSK	36	20	15.54	15.60	15.59			
15	QPSK	36	39	15.53	15.65	15.53			
15	QPSK	75	0	15.60	15.79	15.65	17	0	
15	16QAM	1	0	15.61	15.54	15.85			
15	16QAM	1	37	15.53	15.70	15.62			
15	16QAM	1	74	15.68	15.72	15.71	17	0	
15	16QAM	36	0	15.45	15.60	15.60			
15	16QAM	36	20	15.52	15.65	15.53			
15	16QAM	36	39	15.56	15.78	15.64	17	0	
15	16QAM	75	0	15.62	15.56	15.60			
15	64QAM	1	0	15.60	15.62	15.54			
15	64QAM	1	37	15.59	15.64	15.62	17	0	
15	64QAM	1	74	15.49	15.56	15.57			
15	64QAM	36	0	15.48	15.68	15.56			
15	64QAM	36	20	15.60	15.62	15.72	17	0	
15	64QAM	36	39	15.56	15.66	15.63			
15	64QAM	75	0	15.64	15.65	15.60			
Channel				20900	21100	21400	2505	2535	2565
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.68	15.76	15.72	17	0	
10	QPSK	1	25	15.55	15.60	15.52			
10	QPSK	1	49	15.52	15.65	15.51			
10	QPSK	25	0	15.61	15.74	15.71	17	0	
10	QPSK	25	12	15.51	15.61	15.59			
10	QPSK	25	25	15.56	15.63	15.55			
10	QPSK	50	0	15.60	15.77	15.63	17	0	
10	16QAM	1	0	15.52	15.61	15.63			
10	16QAM	1	25	15.47	15.71	15.54			
10	16QAM	1	49	15.65	15.75	15.68	17	0	
10	16QAM	25	0	15.51	15.54	15.54			
10	16QAM	25	12	15.49	15.61	15.52			
10	16QAM	25	25	15.58	15.80	15.67	17	0	
10	16QAM	50	0	15.46	15.57	15.54			
10	64QAM	1	0	15.53	15.64	15.54			
10	64QAM	1	25	15.62	15.81	15.69	17	0	
10	64QAM	1	49	15.53	15.57	15.60			
10	64QAM	25	0	15.52	15.61	15.55			
10	64QAM	25	12	15.54	15.75	15.70	17	0	
10	64QAM	25	25	15.50	15.64	15.56			
10	64QAM	50	0	15.64	15.68	15.60			
Channel				20775	21100	21425	2502.5	2535	2567.5
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	15.65	15.77	15.77	17	0	
5	QPSK	1	12	15.53	15.62	15.54			
5	QPSK	1	24	15.59	15.62	15.48			
5	QPSK	12	0	15.60	15.74	15.75	17	0	
5	QPSK	12	7	15.52	15.63	15.60			
5	QPSK	12	13	15.59	15.61	15.57			
5	QPSK	25	0	15.66	15.78	15.66	17	0	
5	16QAM	1	0	15.57	15.61	15.66			
5	16QAM	1	12	15.49	15.63	15.58			
5	16QAM	1	24	15.71	15.71	15.70	17	0	
5	16QAM	12	0	15.44	15.58	15.57			
5	16QAM	12	7	15.54	15.64	15.54			
5	16QAM	12	13	15.60	15.79	15.71	17	0	
5	16QAM	25	0	15.48	15.60	15.63			
5	64QAM	1	0	15.60	15.64	15.49			
5	64QAM	1	12	15.62	15.79	15.68	17	0	
5	64QAM	1	24	15.54	15.56	15.59			
5	64QAM	12	0	15.49	15.62	15.60			
5	64QAM	12	7	15.60	15.80	15.73	17	0	
5	64QAM	12	13	15.57	15.59	15.52			
5	64QAM	25	0	15.62	15.64	15.59			

Band 30 Ant 1 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				27650	27710	27735	2307.5	2310	2312.5
Frequency (MHz)				2307.5	2310	2312.5			
10	QPSK	1	0		17.34		18.5	0	
10	QPSK	1	25		17.08				
10	QPSK	1	49		17.11				
10	QPSK	25	0		17.22		18.5	0	
10	QPSK	25	12		17.11				
10	QPSK	25	25		17.19				
10	QPSK	50	0		17.23		18.5	0	
10	16QAM	1	0		17.14				
10	16QAM	1	25		17.19				
10	16QAM	1	49		17.29		18.5	0	
10	16QAM	25	0		17.12				
10	16QAM	25	12		17.19				
10	16QAM	25	25		17.28		18.5	0	
10	16QAM	50	0		17.09				
10	64QAM	1	0		17.22		18.5	0	
10	64QAM	1	25		17.25				
10	64QAM	1	49		17.11				
10	64QAM	25	0		17.09		18.5	0	
10	64QAM	25	12		17.29				
10	64QAM	25	25		17.13				
10	64QAM	50	0		17.11		27685	27710	27735
Channel				27685	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5	18.5 <th rowspan="2">0<th rowspan="2"></th></th>	0 <th rowspan="2"></th>	
5	QPSK	1	0	17.20	17.16	17.19			
5	QPSK	1	12	17.09	16.92	17.01	18.5	0	
5	QPSK	1	24	17.02	17.06	17.05			
5	QPSK	12	0	17.17	17.20	17.18			
5	QPSK	12	7	16.99	16.92	17.01	18.5	0	
5	QPSK	12	13	17.09	17.03	16.98			
5	QPSK	25	0	17.19	17.17	17.27			
5	16QAM	1	0	17.03	17.01	16.96	18.5	0	
5	16QAM	1	12	17.05	17.12	17.11			
5	16QAM	1	24	17.17	17.08	17.07			
5	16QAM	12	0	17.06	16.94	17.05	18.5	0	
5	16QAM	12	7	17.00	17.11	17.11			
5	16QAM	12	13	17.20	17.09	17.22			
5	16QAM	25	0	17.04	16.99	17.07	18.5	0	
5	64QAM	1	0	17.07	17.04	17.04			
5	64QAM	1	12	17.12	17.19	17.24			
5	64QAM	1	24	17.02	17.06	17.00	18.5	0	
5	64QAM	12	0	17.05	17.13	17.12			
5	64QAM	12	7	17.25	17.18	17.21			
5	64QAM	12	13	16.96	17.04	16.95	18.5	0	
5	64QAM	25	0	17.08	17.15	17.08			

Band 2 Ant 4 NSA DSI7												
BW (MHz)	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	15.98	16.14	16.11			17	0		
20	QPSK	1	49	15.88	15.93	15.85						
20	QPSK	1	99	15.86	15.85	15.84						
20	QPSK	50	0	15.89	16.10	15.96			17	0		
20	QPSK	50	24	15.90	16.01	15.83						
20	QPSK	50	50	15.78	15.93	15.73						
20	QPSK	100	0	15.98	16.10	15.98			17	0		
20	16QAM	1	0	15.81	15.99	15.79						
20	16QAM	1	49	15.76	15.90	15.80						
20	16QAM	1	99	15.98	16.10	16.01			17	0		
20	16QAM	50	0	15.83	15.96	15.78						
20	16QAM	50	24	15.76	15.91	15.83						
20	16QAM	50	50	15.99	16.10	16.03			17	0		
20	16QAM	100	0	15.75	15.93	15.77						
20	64QAM	1	0	15.75	15.89	15.75			17	0		
20	64QAM	1	49	15.95	16.12	15.95						
20	64QAM	1	99	15.77	15.99	15.80						
20	64QAM	50	0	15.75	15.90	15.77			17	0		
20	64QAM	50	24	15.93	16.11	15.95						
20	64QAM	50	50	15.76	15.99	15.80						
20	64QAM	100	0	15.83	15.89	15.75			17	0		
Channel												
Frequency (MHz)												
15	QPSK	1	0	15.83	16.09	15.92			17	0		
15	QPSK	1	37	15.74	15.87	15.68						
15	QPSK	1	74	15.78	15.84	15.73						
15	QPSK	36	0	15.88	16.08	15.93			17	0		
15	QPSK	36	20	15.74	15.98	15.76						
15	QPSK	36	39	15.77	15.84	15.64						
15	QPSK	75	0	15.97	16.09	15.95			17	0		
15	16QAM	1	0	15.78	15.99	15.71						
15	16QAM	37	15.68	15.86	15.75			17	0			
15	16QAM	1	74	15.91	16.08	15.99						
15	16QAM	36	0	15.73	15.87	15.76			17	0		
15	16QAM	36	20	15.70	15.89	15.82						
15	16QAM	36	39	15.94	16.09	15.97						
15	16QAM	75	0	15.73	15.88	15.75			17	0		
15	64QAM	1	0	15.65	15.81	15.66						
15	64QAM	1	37	15.92	16.06	15.87						
15	64QAM	1	74	15.69	15.93	15.74			17	0		
15	64QAM	36	0	15.69	15.80	15.70						
15	64QAM	36	20	15.93	16.08	15.93						
15	64QAM	36	39	15.68	15.83	15.76			17	0		
15	64QAM	75	0	15.75	15.84	15.73						
Channel												
Frequency (MHz)												
10	QPSK	1	0	15.83	16.07	15.93			17	0		
10	QPSK	1	25	15.71	15.86	15.66						
10	QPSK	1	49	15.72	15.76	15.71						
10	QPSK	25	0	15.89	16.07	15.89			17	0		
10	QPSK	25	12	15.78	16.01	15.77						
10	QPSK	25	25	15.77	15.93	15.66						
10	QPSK	50	0	15.97	16.07	15.94			17	0		
10	16QAM	1	0	15.80	15.98	15.72						
10	16QAM	1	25	15.76	15.83	15.78						
10	16QAM	1	49	15.94	16.06	16.00			17	0		
10	16QAM	25	0	15.78	15.88	15.73						
10	16QAM	25	12	15.70	15.83	15.74						
10	16QAM	25	25	15.93	16.08	15.93			17	0		
10	16QAM	50	0	15.70	15.84	15.68						
10	64QAM	1	0	15.67	15.80	15.68			17	0		
10	64QAM	1	25	15.93	16.02	15.94						
10	64QAM	1	49	15.69	15.86	15.77						
10	64QAM	25	0	15.70	15.85	15.77			17	0		
10	64QAM	25	12	15.90	16.12	15.87						
10	64QAM	25	25	15.74	15.99	15.71						
10	64QAM	50	0	15.81	15.83	15.73			17	0		
Channel												
Frequency (MHz)												
5	QPSK	1	0	15.80	16.08	15.99			17	0		
5	QPSK	1	12	15.69	15.80	15.68						
5	QPSK	1	24	15.76	15.80	15.72						
5	QPSK	12	0	15.87	16.03	15.87			17	0		
5	QPSK	12	7	15.75	15.97	15.75						
5	QPSK	12	13	15.76	15.87	15.64						
5	QPSK	25	0	15.98	16.04	15.94			17	0		
5	16QAM	1	0	15.74	15.97	15.78						
5	16QAM	1	12	15.69	15.82	15.73						
5	16QAM	1	24	15.90	16.03	15.99			17	0		
5	16QAM	12	0	15.79	15.94	15.76						
5	16QAM	12	7	15.74	15.89	15.74						
5	16QAM	12	13	15.96	16.07	16.01			17	0		
5	16QAM	25	0	15.70	15.85	15.68						
5	64QAM	1	0	15.65	15.82	15.70						
5	64QAM	1	12	15.90	16.10	15.87			17	0		
5	64QAM	1	24	15.74	15.90	15.72						
5	64QAM	12	0	15.70	15.83	15.70						
5	64QAM	12	7	15.85	16.07	15.87			17	0		
5	64QAM	12	13	15.98	16.04	15.74						
5	64QAM	25	0	15.81	15.88	15.65						
Channel												
Frequency (MHz)												
3	QPSK	1	0	15.80	16.05	15.92			17	0		
3	QPSK	1	8	15.71	15.92	15.74						
3	QPSK	1	14	15.76	15.84	15.68						
3	QPSK	8	0	15.83	16.08	15.87			17	0		
3	QPSK	8	4	15.79	15.85	15.82						
3	QPSK	8	7	15.72	15.85	15.71						
3	QPSK	15	0	15.91	16.06	15.95			17	0		
3	16QAM	1	0	15.79	15.91	15.72						
3	16QAM	1	8	15.66	15.88	15.70						
3	16QAM	1	14	15.94	16.05	15.93			17	0		
3	16QAM	8	0	15.78	15.92	15.78						
3	16QAM	8	4	15.69	15.85	15.77						
3	16QAM	8	7	15.97	16.00	16.02			17	0		
3	16QAM	15	0	15.67	15.93	15.71						
3	64QAM	1	0	15.66	15.81	15.74			17	0		
3	64QAM	1	8	15.91	16.03	15.87						
3	64QAM	1	14	15.74	15.90	15.78						
3	64QAM	8	0	15.74	15.81	15.73			17	0		
3	64QAM	8	4	15.91	16.07	15.93						
3	64QAM	8	7	15.73	15.99	15.76						
3	64QAM	15	0	15.75	15.87	15.74			17	0		
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	15.87	16.08	15.85			17	0		
1.4	QPSK	1	3	15.77	15.88	15.66						
1.4	QPSK	1	5	15.78	15.81	15.66						
1.4	QPSK	3	0	15.87	16.03	15.81			17	0		
1.4	QPSK	3	1	15.80	16.00	15.74						
1.4	QPSK	3	3	15.77	15.84	15.64						
1.4	QPSK	6	0	15.89	16.09	15.90			17	0		
1.4	16QAM	1	0	15.77	15.95	15.74						
1.4	16QAM	1	3	15.69	15.87	15.74						
1.4	16QAM	1	5	15.91	16.05	15.94			17	0		
1.4	16QAM	3	0	15.77	15.89	15.71						
1.4	16QAM	3	1	15.67	15.81	15.77						
1.4	16QAM	3	3	15.98	16.01	15.72			17	0		
1.4	16QAM	6	0	15.72	15.92	15.76						
1.4	64QAM	1	0	15.73	15.87	15.74						
1.4	64QAM	1	3	15.86	16.07	15.95			17	0		
1.4	64QAM	1	5	15.71	15.94	15.73						
1.4	64QAM	1	7	15.69	15.81	15.76						
1.4	64QAM	3	1	15.96	16.10	15.85			17	0		
1.4	64QAM	3	3	15.71	15.98	15.72						
1.4	64QAM	6	0	15.74	15.80	15.66						

Band 7 Ant 4 NSA DSI7												
BW [MHz]	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	12.92	13.10	12.87	14.5	0				
20	QPSK	1	49	12.78	13.07	12.74						
20	QPSK	1	99	12.76	12.94	12.77						
20	QPSK	50	0	12.90	13.08	12.88	14.5	0				
20	QPSK	50	24	12.79	13.05	12.79						
20	QPSK	50	50	12.82	13.02	12.77						
20	QPSK	100	0	12.92	13.06	12.80	14.5	0				
20	16QAM	1	0	12.80	12.98	12.72						
20	16QAM	1	49	12.80	13.02	12.68						
20	16QAM	1	99	12.99	13.06	12.85	14.5	0				
20	16QAM	50	0	12.75	12.97	12.69						
20	16QAM	50	24	12.83	12.97	12.75						
20	16QAM	50	50	12.95	13.07	12.79	14.5	0				
20	16QAM	100	0	12.75	13.00	12.69						
20	64QAM	1	0	12.81	13.01	12.69						
20	64QAM	1	49	12.96	13.07	12.84	14.5	0				
20	64QAM	1	99	12.74	13.06	12.74						
20	64QAM	50	0	12.78	12.92	12.78						
20	64QAM	50	24	12.93	13.09	12.86	14.5	0				
20	64QAM	50	50	12.83	13.00	12.78						
20	64QAM	100	0	12.82	12.96	12.77						
Channel												
Frequency (MHz)												
200625	21100	21375	Tune-up limit (dBm)	MPR (dB)								
2507.5	2535	2562.5										
15	QPSK	1	0	12.89	13.08	12.78	14.5	0				
15	QPSK	1	37	12.72	13.04	12.76						
15	QPSK	1	74	12.76	12.93	12.70						
15	QPSK	36	0	12.86	13.00	12.79	14.5	0				
15	QPSK	36	20	12.76	12.97	12.78						
15	QPSK	36	39	12.75	12.95	12.68						
15	QPSK	75	0	12.83	13.07	12.72	14.5	0				
15	16QAM	1	0	12.71	12.93	12.70						
15	16QAM	1	37	12.73	13.01	12.68						
15	16QAM	1	74	12.95	13.02	12.81	14.5	0				
15	16QAM	36	0	12.73	12.95	12.60						
15	16QAM	36	20	12.83	13.00	12.74						
15	16QAM	36	39	12.91	12.98	12.71	14.5	0				
15	16QAM	75	0	12.89	12.93	12.70						
15	64QAM	1	0	12.82	13.02	12.62						
15	64QAM	1	37	12.92	13.03	12.86	14.5	0				
15	64QAM	1	74	12.67	13.07	12.71						
15	64QAM	36	0	12.78	12.92	12.71						
15	64QAM	36	20	12.88	13.08	12.81	14.5	0				
15	64QAM	36	39	12.79	12.92	12.75						
15	64QAM	75	0	12.79	12.92	12.73						
Channel												
Frequency (MHz)												
200600	21100	21400	Tune-up limit (dBm)	MPR (dB)								
2505	2535	2565										
10	QPSK	1	0	12.84	13.00	12.87	14.5	0				
10	QPSK	1	25	12.70	13.05	12.65						
10	QPSK	1	49	12.68	12.94	12.68						
10	QPSK	25	0	12.83	12.99	12.89	14.5	0				
10	QPSK	25	12	12.72	13.03	12.79						
10	QPSK	25	25	12.76	12.87	12.68						
10	QPSK	50	0	12.83	13.00	12.74	14.5	0				
10	16QAM	1	0	12.71	12.93	12.63						
10	16QAM	1	25	12.80	13.00	12.83						
10	16QAM	1	49	12.94	13.00	12.82	14.5	0				
10	16QAM	25	0	12.77	12.94	12.61						
10	16QAM	25	12	12.81	12.90	12.76						
10	16QAM	25	25	12.92	12.98	12.79	14.5	0				
10	16QAM	50	0	12.71	12.95	12.67						
10	64QAM	1	0	12.81	12.95	12.68						
10	64QAM	1	25	12.91	13.04	12.85	14.5	0				
10	64QAM	1	49	12.69	13.07	12.87						
10	64QAM	25	0	12.80	12.85	12.78						
10	64QAM	25	12	12.92	13.07	12.87	14.5	0				
10	64QAM	25	25	12.74	12.98	12.70						
10	64QAM	50	0	12.73	12.96	12.69						
Channel												
Frequency (MHz)												
200775	21100	21425	Tune-up limit (dBm)	MPR (dB)								
2507.5	2535	2567.5										
5	QPSK	1	0	12.88	13.04	12.80	14.5	0				
5	QPSK	1	12	12.72	13.00	12.74						
5	QPSK	1	24	12.66	12.85	12.75						
5	QPSK	12	0	12.81	13.00	12.82	14.5	0				
5	QPSK	12	7	12.74	13.00	12.81						
5	QPSK	12	13	12.83	12.90	12.69						
5	QPSK	25	0	12.86	12.96	12.79	14.5	0				
5	16QAM	1	0	12.79	12.90	12.69						
5	16QAM	1	12	12.81	13.03	12.66						
5	16QAM	1	24	12.98	13.08	12.83	14.5	0				
5	16QAM	12	0	12.75	12.93	12.60						
5	16QAM	12	7	12.84	12.96	12.69						
5	16QAM	12	13	12.93	13.07	12.80	14.5	0				
5	16QAM	25	0	12.66	12.90	12.66						
5	64QAM	1	0	12.71	13.02	12.69						
5	64QAM	1	12	12.93	13.06	12.75	14.5	0				
5	64QAM	1	24	12.66	13.02	12.69						
5	64QAM	12	0	12.75	12.82	12.69						
5	64QAM	12	7	12.84	13.08	12.78	14.5	0				
5	64QAM	12	13	12.81	12.98	12.71						
5	64QAM	25	0	12.81	12.95	12.75						

Band 12 Ant 4 NSA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	0	704	707.5	711	23.5	0		
10	QPSK	1	25	21.66	21.75	21.75				
10	QPSK	1	49	21.66	21.72	21.72				
10	QPSK	25	0		21.34		23	0.5		
10	QPSK	25	12		21.18					
10	QPSK	25	25		21.12					
10	QPSK	50	0		21.14		23	0.5		
10	16QAM	1	0		21.65					
10	16QAM	1	25		21.33					
10	16QAM	1	49		21.44		22	1.5		
10	16QAM	25	0		20.48					
10	16QAM	25	12		20.26					
10	16QAM	25	25		20.39		22	1.5		
10	16QAM	50	0		20.37					
10	64QAM	1	0		20.59		22	1.5		
10	64QAM	1	25		20.40					
10	64QAM	1	49		20.35					
10	64QAM	25	0		19.50		21	2.5		
10	64QAM	25	12		19.38					
10	64QAM	25	25		19.31					
10	64QAM	50	0		19.20					
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.56	21.66	21.66	23.5	0		
5	QPSK	1	12	21.66	21.65	21.57				
5	QPSK	1	24	21.73	21.64	21.74				
5	QPSK	12	0	21.28	21.36	21.26	23	0.5		
5	QPSK	12	7	21.02	21.18	21.19				
5	QPSK	12	13	21.09	21.13	21.10				
5	QPSK	25	0	21.16	21.00	21.10	23	0.5		
5	16QAM	1	0	21.67	21.53	21.64				
5	16QAM	1	12	21.29	21.35	21.21				
5	16QAM	1	24	21.45	21.44	21.45	22	1.5		
5	16QAM	12	0	20.46	20.35	20.41				
5	16QAM	12	7	20.10	20.19	20.04				
5	16QAM	12	13	20.37	20.27	20.30	22	1.5		
5	16QAM	25	0	20.25	20.25	20.31				
5	16QAM	1	0	20.60	20.41	20.41				
5	64QAM	1	12	20.27	20.38	20.41	22	1.5		
5	64QAM	1	24	20.30	20.23	20.24				
5	64QAM	12	0	19.42	19.49	19.38				
5	64QAM	12	7	19.19	19.38	19.20	21	2.5		
5	64QAM	12	13	19.13	19.14	19.24				
5	64QAM	25	0	19.16	19.22	19.19				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.59	21.60	21.71.5	23.5	0		
3	QPSK	1	8	21.68	21.69	21.59				
3	QPSK	1	14	21.65	21.66	21.57				
3	QPSK	8	0	21.24	21.19	21.10	23	0.5		
3	QPSK	8	4	21.03	21.08	21.16				
3	QPSK	8	7	21.08	21.05	21.07				
3	QPSK	15	0	21.09	21.08	21.09	23	0.5		
3	16QAM	1	0	21.48	21.36	21.45				
3	16QAM	1	8	21.26	21.20	21.31				
3	16QAM	1	14	21.21	21.21	21.39	22	1.5		
3	16QAM	8	0	20.31	20.33	20.38				
3	16QAM	8	4	20.08	20.06	20.03				
3	16QAM	8	7	20.21	20.17	20.22	21	2.5		
3	16QAM	15	0	20.26	20.27	20.26				
3	64QAM	1	0	20.39	20.29	20.30				
3	64QAM	1	8	20.14	20.38	20.40	23.5	0		
3	64QAM	1	14	20.17	20.17	20.27				
3	64QAM	8	0	19.35	19.37	19.37				
3	64QAM	8	4	19.15	19.23	19.08	23	0.5		
3	64QAM	8	7	19.04	19.06	19.17				
3	64QAM	15	0	19.06	19.12	19.19				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.62	20.61	21.63	23.5	0		
1.4	QPSK	1	3	21.67	21.69	21.60				
1.4	QPSK	1	5	21.69	21.62	21.60				
1.4	QPSK	3	0	21.56	21.64	21.71	23	0.5		
1.4	QPSK	3	1	21.61	21.67	21.62				
1.4	QPSK	3	3	21.68	21.67	21.60				
1.4	QPSK	6	0	21.17	21.02	21.01	23	0.5		
1.4	16QAM	1	0	21.54	21.37	21.57				
1.4	16QAM	1	3	21.19	21.33	21.08				
1.4	16QAM	1	5	21.41	21.39	21.41	23	0.5		
1.4	16QAM	3	0	21.39	21.24	21.43				
1.4	16QAM	3	1	21.21	21.35	21.06				
1.4	16QAM	3	3	21.32	21.30	21.22	22	1.5		
1.4	64QAM	6	0	20.05	20.10	20.13				
1.4	64QAM	1	0	20.43	20.43	20.23				
1.4	64QAM	1	3	20.13	20.21	20.29	22	1.5		
1.4	64QAM	1	5	20.29	20.22	20.41				
1.4	64QAM	3	0	20.45	20.22	20.41				
1.4	64QAM	3	1	20.46	20.26	20.18	21	2.5		
1.4	64QAM	3	3	20.14	20.01	20.15				
1.4	64QAM	6	0	19.02	19.15	19.02				

Band 26 Ant 4 NSA DSI7										
BW (MHz)	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)										
15	QPSK	1	0	21.27	21.37	21.28				
15	QPSK	1	37	21.15	21.09	21.14	23	0		
15	QPSK	1	74	21.24	21.03	21.13				
15	QPSK	36	0	21.14	21.25	21.17				
15	QPSK	36	20	21.13	21.06	21.16	23	0		
15	QPSK	36	39	21.00	21.08	21.28				
15	QPSK	75	0	21.04	21.18	21.18				
15	16QAM	1	0	21.20	21.33	21.35				
15	16QAM	1	37	21.10	21.34	21.07	23	0		
15	16QAM	1	74	21.04	21.36	21.16				
15	16QAM	36	0	20.20	20.29	20.03				
15	16QAM	36	20	20.10	20.04	20.14	22	1		
15	16QAM	36	39	20.09	20.15	20.12				
15	16QAM	75	0	20.10	20.28	20.12				
15	64QAM	1	0	20.26	20.42	20.32				
15	64QAM	1	37	20.03	20.18	20.22	22	1		
15	64QAM	1	74	20.12	20.28	20.14				
15	64QAM	36	0	19.22	19.04	19.16				
15	64QAM	36	20	19.01	19.17	19.03				
15	64QAM	36	39	19.27	19.06	19.11	21	2		
15	64QAM	75	0	19.03	19.13	19.06				
Channel										
Frequency (MHz)										
10	QPSK	1	0	21.06	21.29	21.06				
10	QPSK	1	25	21.15	21.17	21.21	23	0		
10	QPSK	1	49	21.17	21.23	21.21				
10	QPSK	25	0	21.02	21.22	21.02				
10	QPSK	25	12	21.05	21.02	21.08	23	0		
10	QPSK	25	25	21.06	21.09	21.06				
10	QPSK	50	0	21.07	21.08	21.11				
10	16QAM	1	0	21.13	21.21	21.16				
10	16QAM	1	25	21.02	21.35	21.00	23	0		
10	16QAM	1	49	21.05	21.22	21.07				
10	16QAM	25	0	20.10	20.20	20.03				
10	16QAM	25	12	20.09	20.03	20.08	22	1		
10	16QAM	25	25	20.03	20.04	20.09				
10	16QAM	50	0	20.02	20.24	20.06				
10	64QAM	1	0	20.34	20.41	20.18				
10	64QAM	1	25	20.10	20.10	20.05	22	1		
10	64QAM	1	49	20.05	20.10	20.09				
10	64QAM	25	0	19.23	19.28	19.05				
10	64QAM	25	12	19.08	19.12	19.09	21	2		
10	64QAM	25	25	19.08	19.18	19.09				
10	64QAM	50	0	19.03	19.06	19.07				
Channel										
Frequency (MHz)										
5	QPSK	1	0	21.06	21.36	21.18				
5	QPSK	1	12	21.13	21.20	21.11	23	0		
5	QPSK	1	24	21.26	21.28	21.22				
5	QPSK	12	0	21.12	21.19	21.02				
5	QPSK	12	7	21.08	21.02	21.18	23	0		
5	QPSK	12	13	21.04	21.08	21.19				
5	QPSK	25	0	21.01	21.09	21.19				
5	16QAM	1	0	21.16	21.31	21.34				
5	16QAM	1	12	21.03	21.23	21.04	23	0		
5	16QAM	1	24	21.00	21.20	21.11				
5	16QAM	12	0	20.12	20.11	20.03				
5	16QAM	12	7	20.06	20.06	20.11	22	1		
5	16QAM	12	13	20.09	20.15	20.08				
5	16QAM	25	0	20.07	20.14	20.01				
5	64QAM	1	0	20.22	20.32	20.10				
5	64QAM	1	12	20.04	20.14	20.12	22	1		
5	64QAM	1	24	20.01	20.21	20.12				
5	64QAM	12	0	19.10	19.23	19.06				
5	64QAM	12	7	19.08	19.08	19.06	21	2		
5	64QAM	12	13	19.22	19.05	19.08				
5	64QAM	25	0	19.02	19.06	19.02				
Channel										
Frequency (MHz)										
3	QPSK	1	0	21.07	21.22	21.14				
3	QPSK	1	8	21.24	21.18	21.23	23	0		
3	QPSK	1	14	21.23	21.06	21.19				
3	QPSK	8	0	21.04	21.12	21.15				
3	QPSK	8	4	21.11	21.00	21.10	23	0		
3	QPSK	8	7	21.05	21.04	21.28				
3	QPSK	15	0	21.04	21.06	21.10				
3	16QAM	1	0	21.06	21.36	21.28				
3	16QAM	1	8	21.05	21.25	21.07	23	0		
3	16QAM	1	14	21.07	21.15	21.10				
3	16QAM	8	0	20.20	20.21	20.05				
3	16QAM	8	4	20.09	20.09	20.15	22	1		
3	16QAM	8	7	20.07	20.09	20.19				
3	16QAM	15	0	20.00	20.14	20.08				
3	64QAM	1	0	20.21	20.31	20.28				
3	64QAM	1	8	20.07	20.10	20.24	22	1		
3	64QAM	1	14	20.07	20.07	20.05				
3	64QAM	8	0	19.07	19.21	19.17				
3	64QAM	8	4	19.02	19.13	19.10	21	2		
3	64QAM	8	7	19.07	19.06	19.11				
3	64QAM	15	0	19.01	19.10	19.09				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.09	21.20	21.10				
1.4	QPSK	1	3	21.20	21.18	21.22	23	0		
1.4	QPSK	1	5	21.30	21.24	21.18				
1.4	QPSK	3	0	21.14	21.34	21.17				
1.4	QPSK	3	1	21.24	21.17	21.19				
1.4	QPSK	3	3	21.26	21.03	21.22				
1.4	QPSK	6	0	21.09	21.07	21.07	23	0		
1.4	16QAM	1	0	21.12	21.20	21.22				
1.4	16QAM	1	3	21.07	21.25	21.02				
1.4	16QAM	1	5	21.06	21.28	21.06	23	0		
1.4	16QAM	3	0	21.03	21.26	21.15				
1.4	16QAM	3	1	21.05	21.18	21.01				
1.4	16QAM	3	3	21.07	21.23	21.08				
1.4	16QAM	6	0	20.09	20.30	20.02	22	1		
1.4	64QAM	1	0	20.16	20.43	20.28				
1.4	64QAM	1	3	20.08	20.01	20.06				
1.4	64QAM	1	5	20.07	20.14	20.04	22	1		
1.4	64QAM	3	0	20.18	20.21	20.12				
1.4	64QAM	3	1	20.07	20.09	20.07				
1.4	64QAM	3	3	20.09	20.12	20.02				
1.4	64QAM	6	0	19.04	19.08	19.04	21	2		

Band 30 Ant 4 NSA DSI7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel						27710				
Frequency (MHz)						2310				
10	QPSK	1	0		14.37		16	0		
10	QPSK	1	25		14.12					
10	QPSK	1	49		14.26					
10	QPSK	25	0		14.05					
10	QPSK	25	12		14.08					
10	QPSK	25	25		14.17					
10	QPSK	50	0		14.10		16	0		
10	16QAM	1	0		14.30					
10	16QAM	1	25		14.29					
10	16QAM	1	49		14.20					
10	16QAM	25	0		14.15					
10	16QAM	25	12		14.13					
10	16QAM	25	25		14.16		16	0		
10	16QAM	50	0		14.05					
10	64QAM	1	0		14.10					
10	64QAM	1	25		14.29					
10	64QAM	1	49		14.35					
10	64QAM	25	0		14.02					
10	64QAM	25	12		14.16		16	0		
10	64QAM	25	25		14.22					
10	64QAM	50	0		14.09					
Channel						27685			27710	27735
Frequency (MHz)						2310	2312.5		Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	14.04	14.09	14.02	16	0		
5	QPSK	1	12	14.03	14.05	14.10				
5	QPSK	1	24	14.06	14.07	14.07				
5	QPSK	12	0	14.07	14.06	14.02				
5	QPSK	12	7	14.02	14.07	14.07				
5	QPSK	12	13	14.03	14.03	14.05				
5	QPSK	25	0	14.10	14.11	14.04	16	0		
5	16QAM	1	0	14.04	14.02	14.12				
5	16QAM	1	12	14.12	14.03	14.06				
5	16QAM	1	24	14.02	14.05	14.04				
5	16QAM	12	0	14.04	14.04	14.16				
5	16QAM	12	7	14.12	14.06	14.10				
5	16QAM	12	13	14.11	14.08	14.01	16	0		
5	16QAM	25	0	14.07	14.08	14.06				
5	64QAM	1	0	14.05	14.04	14.09				
5	64QAM	1	12	14.04	14.07	14.03				
5	64QAM	1	24	14.06	14.04	14.11				
5	64QAM	12	0	14.05	14.02	14.12				
5	64QAM	12	7	14.02	14.03	14.10	16	0		
5	64QAM	12	13	14.04	14.04	14.09				
5	64QAM	25	0	14.09	14.05	14.07				

Band 48 Ant 5 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	13.03	13.21	12.99	12.86	14.5	0
20	QPSK	1	49	12.95	12.76	12.93	12.79		
20	QPSK	1	99	12.76	12.72	12.88	12.90		
20	QPSK	50	0	13.00	13.16	12.98	12.83		
20	QPSK	50	24	12.96	12.73	12.96	12.75	14.5	0
20	QPSK	50	50	12.80	12.72	12.71	12.76		
20	QPSK	100	0	13.02	13.16	12.96	12.84		
20	16QAM	1	0	12.99	13.17	13.04	12.79		
20	16QAM	1	49	12.95	12.70	12.96	12.75	14.5	0
20	16QAM	1	99	12.73	12.67	12.72	12.70		
20	16QAM	50	0	13.04	13.18	12.97	12.83		
20	16QAM	50	24	12.98	12.73	12.99	12.74		
20	16QAM	50	50	12.79	12.75	12.71	12.71	14.5	0
20	16QAM	100	0	13.03	13.11	13.01	12.78		
20	64QAM	1	0	12.96	13.16	13.02	12.78		
20	64QAM	1	49	12.94	12.71	12.99	12.70	14.5	0
20	64QAM	1	99	12.76	12.75	12.72	12.78		
20	64QAM	50	0	12.99	13.20	12.97	12.82		
20	64QAM	50	24	12.95	12.71	12.94	12.86		
20	64QAM	50	50	12.81	12.72	12.87	12.74	14.5	0
20	64QAM	100	0	12.97	13.15	13.02	12.77		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	12.99	13.18	12.95	12.82	14.5	0
15	QPSK	1	37	12.91	12.69	12.90	12.68		
15	QPSK	1	74	12.70	12.68	12.89	12.74		
15	QPSK	36	0	12.95	13.10	12.92	12.79		
15	QPSK	36	20	12.91	12.67	12.89	12.71	14.5	0
15	QPSK	36	39	12.76	12.69	12.65	12.69		
15	QPSK	75	0	12.99	13.10	12.90	12.79		
15	16QAM	1	0	12.92	13.11	12.98	12.75		
15	16QAM	1	37	12.91	12.67	12.90	12.70	14.5	0
15	16QAM	1	74	12.69	12.63	12.66	12.64		
15	16QAM	36	0	12.99	13.11	12.93	12.78		
15	16QAM	36	20	12.95	12.67	12.95	12.68		
15	16QAM	36	39	12.74	12.71	12.68	12.66	14.5	0
15	16QAM	75	0	12.98	13.15	12.96	12.73		
15	64QAM	1	0	12.92	13.12	12.98	12.73		
15	64QAM	1	37	12.88	12.65	12.93	12.66	14.5	0
15	64QAM	1	74	12.71	12.69	12.68	12.72		
15	64QAM	36	0	12.94	13.14	12.90	12.78		
15	64QAM	36	20	12.90	12.67	12.87	12.69		
15	64QAM	36	39	12.75	12.66	12.73	12.68	14.5	0
15	64QAM	75	0	12.91	13.10	12.98	12.74		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	12.88	13.11	12.88	12.80	14.5	0
10	QPSK	1	25	12.89	12.79	12.80	12.66		
10	QPSK	1	49	12.88	12.89	12.78	12.71		
10	QPSK	25	0	12.94	13.06	12.85	12.74		
10	QPSK	25	12	12.87	12.61	12.84	12.65	14.5	0
10	QPSK	25	25	12.70	12.62	12.65	12.62		
10	QPSK	60	0	12.92	13.07	12.93	12.69		
10	16QAM	1	0	12.94	13.07	12.92	12.71		
10	16QAM	1	25	12.81	12.61	12.86	12.60	14.5	0
10	16QAM	1	49	12.84	12.60	12.67	12.60		
10	16QAM	25	0	12.97	13.10	12.84	12.77		
10	16QAM	25	12	12.85	12.65	12.94	12.66		
10	16QAM	25	25	12.74	12.68	12.66	12.59	14.5	0
10	16QAM	50	0	12.93	13.11	12.91	12.64		
10	64QAM	1	0	12.91	13.02	12.91	12.62		
10	64QAM	1	25	12.82	12.59	12.92	12.64	14.5	0
10	64QAM	1	49	12.67	12.63	12.62	12.67		
10	64QAM	25	0	12.89	13.07	12.83	12.72		
10	64QAM	25	12	12.85	12.63	12.86	12.85		
10	64QAM	25	25	12.66	12.63	12.82	12.59	14.5	0
10	64QAM	50	0	12.83	13.03	12.93	12.67		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	12.97	13.07	12.91	12.80	14.5	0
5	QPSK	1	12	12.85	12.64	12.78	12.77		
5	QPSK	1	24	12.67	12.79	12.62	12.67		
5	QPSK	12	0	12.92	13.02	12.88	12.77		
5	QPSK	12	7	12.84	12.66	12.84	12.68	14.5	0
5	QPSK	12	13	12.68	12.60	12.84	12.63		
5	QPSK	25	0	12.90	13.03	12.89	12.71		
5	16QAM	1	0	12.93	13.04	12.96	12.66		
5	16QAM	1	12	12.80	12.58	12.87	12.64	14.5	0
5	16QAM	1	24	12.63	12.56	12.67	12.57		
5	16QAM	12	0	12.95	13.06	12.88	12.73		
5	16QAM	12	7	12.84	12.61	12.91	12.61		
5	16QAM	12	13	12.70	12.61	12.58	12.66	14.5	0
5	16QAM	25	0	12.94	13.15	12.89	12.66		
5	64QAM	1	0	12.85	13.08	12.93	12.64		
5	64QAM	1	12	12.80	12.58	12.93	12.63	14.5	0
5	64QAM	1	24	12.65	12.64	12.66	12.70		
5	64QAM	12	0	12.88	13.09	12.88	12.81		
5	64QAM	12	7	12.84	12.95	12.88	12.86		
5	64QAM	12	13	12.88	12.89	12.86	12.84	14.5	0
5	64QAM	25	0	12.87	13.09	12.89	12.64		



Reduced Power Mode for Sensor on for WWAN

Default					
Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	128	189	251	128	189
Frequency (MHz)	824.2	836.4	848.6	824.2	836.4
GSM 1 Tx slot	31.89	32.10	32.05	33.50	22.89
GPRS 1 Tx slot	31.88	32.11	31.99	33.50	22.88
GPRS 2 Tx slots	30.99	31.24	31.19	32.00	24.99
GPRS 3 Tx slots	29.11	29.36	29.20	30.50	24.85
GPRS 4 Tx slots	27.80	28.10	28.05	29.00	24.80
EDGE 1 Tx slot	28.45	28.49	28.51	27.50	17.45
EDGE 2 Tx slots	25.25	25.29	25.38	26.50	19.25
EDGE 3 Tx slots	23.10	23.12	23.24	24.50	18.84
EDGE 4 Tx slots	21.88	22.03	22.12	23.00	18.88

SA DS03					
Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	512	661	810	512	661
Frequency (MHz)	1652.2	1662.0	1672.8	1652.2	1662.0
GSM 1 Tx slot	23.25	23.31	23.23	24.50	14.25
GPRS 1 Tx slot	23.27	23.28	23.23	24.50	14.27
GPRS 2 Tx slots	22.36	22.42	22.36	23.50	16.36
GPRS 3 Tx slots	20.31	20.38	20.36	21.50	10.05
GPRS 4 Tx slots	19.10	19.12	19.03	20.00	16.10
EDGE 1 Tx slot	19.68	19.76	19.70	21.00	10.68
EDGE 2 Tx slots	18.46	18.56	18.50	20.00	12.46
EDGE 3 Tx slots	16.32	16.39	16.36	17.50	12.06
EDGE 4 Tx slots	14.83	14.91	14.86	16.00	11.83

SA DS03					
Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	512	661	810	512	661
Frequency (MHz)	1652.2	1662.0	1672.8	1652.2	1662.0
GSM 1 Tx slot	23.25	23.31	23.23	24.50	14.25
GPRS 1 Tx slot	23.27	23.28	23.23	24.50	14.27
GPRS 2 Tx slots	22.36	22.42	22.36	23.50	16.36
GPRS 3 Tx slots	20.31	20.38	20.36	21.50	10.05
GPRS 4 Tx slots	19.10	19.12	19.03	20.00	16.10
EDGE 1 Tx slot	19.68	19.76	19.70	21.00	10.68
EDGE 2 Tx slots	18.46	18.56	18.50	20.00	12.46
EDGE 3 Tx slots	16.32	16.39	16.36	17.50	12.06
EDGE 4 Tx slots	14.83	14.91	14.86	16.00	11.83

Default					
Burst Average Power (dBm)			Frame Average Power (dBm)		
TX Channel	4132	4182	4233	4132	4182
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6
3GPP Rel 99	14.79	14.80	14.77	16.00	18.44
3GPP Rel 99	14.75	14.83	14.80	16.00	18.52
3GPP Rel 6	13.62	13.78	13.84	15.00	17.45
3GPP Rel 6	13.81	13.83	13.86	15.00	17.52
3GPP Rel 6	13.16	13.13	13.21	14.50	17.01
3GPP Rel 6	13.10	13.42	12.89	14.50	16.76
3GPP Rel 6	13.66	13.84	13.74	15.00	17.50
3GPP Rel 6	13.58	13.89	13.90	15.00	17.49
3GPP Rel 6	13.11	13.44	13.23	14.50	16.98
3GPP Rel 6	13.30	13.54	13.08	14.50	17.02
3GPP Rel 6	13.65	13.77	13.42	15.00	17.32
3GPP Rel 6	11.86	11.61	11.65	13.00	15.34
3GPP Rel 6	12.47	12.68	12.61	14.00	16.27
3GPP Rel 6	11.83	11.61	11.63	13.00	15.35
3GPP Rel 7	13.56	14.01	13.67	15.00	17.36
3GPP Rel 7	10.98	11.01	10.97	12.50	14.64

Band 2 Ant 0 SA DS13									
BW [MHz]	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	15.33	15.43	15.37			
20	QPSK	1	49	15.32	15.40	15.21	17	0	
20	QPSK	1	99	15.21	15.33	15.17			
20	QPSK	50	0	15.37	15.42	15.33			
20	QPSK	50	24	15.27	15.36	15.18	17	0	
20	QPSK	50	50	15.16	15.32	15.28			
20	QPSK	100	0	15.31	15.36	15.32			
20	16QAM	1	0	15.27	15.41	15.22			
20	16QAM	1	49	15.23	15.34	15.21	17	0	
20	16QAM	1	99	15.35	15.41	15.30			
20	16QAM	50	0	15.28	15.36	15.27			
20	16QAM	50	24	15.17	15.29	15.18	17	0	
20	16QAM	50	50	15.32	15.38	15.32			
20	16QAM	100	0	15.27	15.36	15.28			
20	64QAM	1	0	15.21	15.35	15.26			
20	64QAM	1	49	15.33	15.39	15.35	17	0	
20	64QAM	1	99	15.27	15.39	15.25			
20	64QAM	50	0	15.23	15.28	15.26			
20	64QAM	50	24	15.28	15.38	15.39	17	0	
20	64QAM	50	50	15.27	15.41	15.19			
20	64QAM	100	0	15.25	15.33	15.22			
Channel									
Frequency (MHz)									
15	QPSK	1	0	15.23	15.38	15.34			
15	QPSK	1	37	15.23	15.33	15.13	17	0	
15	QPSK	1	74	15.18	15.32	15.13			
15	QPSK	36	0	15.30	15.40	15.31			
15	QPSK	36	20	15.26	15.29	15.08	17	0	
15	QPSK	36	39	15.06	15.27	15.18			
15	QPSK	75	0	15.29	15.36	15.27			
15	16QAM	1	0	15.26	15.40	15.17			
15	16QAM	1	37	15.23	15.24	15.12	17	0	
15	16QAM	1	74	15.31	15.34	15.25			
15	16QAM	36	0	15.19	15.33	15.22			
15	16QAM	36	20	15.10	15.24	15.16	17	0	
15	16QAM	36	39	15.24	15.34	15.28			
15	16QAM	75	0	15.26	15.32	15.24			
15	64QAM	1	0	15.18	15.32	15.26			
15	64QAM	1	37	15.31	15.32	15.30	17	0	
15	64QAM	1	74	15.20	15.32	15.23			
15	64QAM	36	0	15.19	15.19	15.19			
15	64QAM	36	20	15.22	15.32	15.30	17	0	
15	64QAM	36	39	15.18	15.39	15.19			
15	64QAM	75	0	15.17	15.28	15.13			
Channel									
Frequency (MHz)									
10	QPSK	1	0	15.31	15.38	15.36			
10	QPSK	1	25	15.26	15.37	15.17	17	0	
10	QPSK	1	49	15.16	15.23	15.12			
10	QPSK	25	0	15.34	15.38	15.24			
10	QPSK	25	12	15.20	15.27	15.17	17	0	
10	QPSK	25	25	15.15	15.23	15.16			
10	QPSK	50	0	15.22	15.26	15.30			
10	16QAM	1	0	15.19	15.35	15.18			
10	16QAM	1	25	15.17	15.26	15.19	17	0	
10	16QAM	1	49	15.26	15.32	15.26			
10	16QAM	25	0	15.26	15.36	15.21			
10	16QAM	25	12	15.14	15.29	15.10	17	0	
10	16QAM	25	25	15.31	15.41	15.29			
10	16QAM	50	0	15.17	15.29	15.20			
10	64QAM	1	0	15.16	15.29	15.18			
10	64QAM	1	25	15.24	15.33	15.34	17	0	
10	64QAM	1	49	15.22	15.29	15.22			
10	64QAM	25	0	15.17	15.20	15.18			
10	64QAM	25	12	15.19	15.29	15.31	17	0	
10	64QAM	25	25	15.18	15.37	15.09			
10	64QAM	50	0	15.17	15.30	15.21			
Channel									
Frequency (MHz)									
5	QPSK	1	0	15.32	15.36	15.31			
5	QPSK	1	12	15.24	15.31	15.11	17	0	
5	QPSK	1	24	15.18	15.29	15.15			
5	QPSK	12	0	15.31	15.40	15.30			
5	QPSK	12	7	15.21	15.31	15.17	17	0	
5	QPSK	12	13	15.12	15.23	15.20			
5	QPSK	25	0	15.25	15.33	15.26			
5	16QAM	1	0	15.22	15.39	15.15			
5	16QAM	1	12	15.15	15.27	15.11	17	0	
5	16QAM	1	24	15.27	15.37	15.29			
5	16QAM	12	0	15.25	15.31	15.19			
5	16QAM	12	7	15.14	15.26	15.16	17	0	
5	16QAM	12	13	15.28	15.37	15.29			
5	16QAM	25	0	15.19	15.26	15.28			
5	64QAM	1	0	15.20	15.32	15.21			
5	64QAM	1	12	15.23	15.36	15.32	17	0	
5	64QAM	1	24	15.26	15.32	15.17			
5	64QAM	12	0	15.21	15.20	15.25			
5	64QAM	12	7	15.27	15.33	15.32	17	0	
5	64QAM	12	13	15.26	15.36	15.14			
5	64QAM	25	0	15.18	15.24	15.20			
Channel									
Frequency (MHz)									
3	QPSK	1	0	15.32	15.33	15.36			
3	QPSK	1	8	15.30	15.36	15.13	17	0	
3	QPSK	1	14	15.16	15.33	15.17			
3	QPSK	8	0	15.29	15.32	15.32			
3	QPSK	8	4	15.21	15.30	15.11	17	0	
3	QPSK	8	7	15.10	15.28	15.19			
3	QPSK	15	0	15.25	15.31	15.23			
3	16QAM	1	0	15.19	15.37	15.14			
3	16QAM	1	8	15.23	15.28	15.12	17	0	
3	16QAM	1	14	15.27	15.36	15.25			
3	16QAM	8	0	15.22	15.31	15.25			
3	16QAM	8	4	15.09	15.26	15.09	17	0	
3	16QAM	8	7	15.23	15.42	15.23			
3	16QAM	15	0	15.18	15.35	15.26			
3	64QAM	1	0	15.11	15.28	15.26			
3	64QAM	1	8	15.29	15.33	15.32	17	0	
3	64QAM	1	14	15.20	15.36	15.25			
3	64QAM	8	0	15.13	15.19	15.16			
3	64QAM	8	4	15.25	15.36	15.32	17	0	
3	64QAM	8	7	15.19	15.38	15.10			
3	64QAM	15	0	15.16	15.30	15.13			
Channel									
Frequency (MHz)									
1.4	QPSK	1	0	15.28	15.34	15.31			
1.4	QPSK	1	3	15.31	15.36	15.15	17	0	
1.4	QPSK	1	5	15.16	15.33	15.14			
1.4	QPSK	3	0	15.34	15.39	15.28			
1.4	QPSK	3	1	15.24	15.34	15.08			
1.4	QPSK	3	3	15.13	15.25	15.25	17	0	
1.4	QPSK	6	0	15.22	15.32	15.26			
1.4	16QAM	1	0	15.20	15.34	15.15			
1.4	16QAM	1	3	15.16	15.25	15.15	17	0	
1.4	16QAM	1	5	15.27	15.38	15.25			
1.4	16QAM	3	0	15.27	15.36	15.22			
1.4	16QAM	3	1	15.09	15.21	15.11			
1.4	16QAM	3	3	15.26	15.35	15.29	17	0	
1.4	16QAM	6	0	15.26	15.29	15.27			
1.4	64QAM	1	0	15.18	15.31	15.17	17	0	
1.4	64QAM	1	3	15.29	15.39	15.32			
1.4	64QAM	1	5	15.25	15.37	15.20			
1.4	64QAM	3	0	15.15	15.27	15.26	17	0	
1.4	64QAM	3	1	15.26	15.33	15.38			
1.4	64QAM	3	3	15.21	15.36	15.15			
1.4	64QAM	6	0	15.23	15.28	15.17	17	0	

Band 4 Ant 0 SA DS13									
BW [MHz]	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	17.05	17.10	16.93			
20	QPSK	1	49	17.04	17.00	17.01	18.5	0	
20	QPSK	1	99	16.91	17.02	16.89			
20	QPSK	50	0	17.02	17.05	16.97			
20	QPSK	50	24	17.04	17.04	16.98	18.5	0	
20	QPSK	50	50	16.90	17.01	16.91			
20	QPSK	100	0	16.98	17.00	16.98			
20	16QAM	1	0	16.98	17.01	16.95			
20	16QAM	1	49	16.82	17.05	16.91	18.5	0	
20	16QAM	1	99	17.02	17.03	16.96			
20	16QAM	50	0	16.98	17.01	16.95			
20	16QAM	50	24	16.87	16.99	16.93	18.5	0	
20	16QAM	50	50	17.01	17.05	16.95			
20	16QAM	100	0	16.96	17.07	17.01			
20	64QAM	1	0	16.87	17.00	16.85			
20	64QAM	1	49	17.04	17.01	16.97	18.5	0	
20	64QAM	1	99	16.96	17.01	16.96			
20	64QAM	50	0	16.88	17.05	16.92			
20	64QAM	50	24	17.01	17.04	16.93	18.5	0	
20	64QAM	50	50	17.02	17.04	16.95			
20	64QAM	100	0	16.89	16.99	16.93			
Channel									
Frequency (MHz)				20025 <th>20175<th>20325<th><th><th></th></th></th></th></th>	20175 <th>20325<th><th><th></th></th></th></th>	20325 <th><th><th></th></th></th>	<th><th></th></th>	<th></th>	
				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	17.06	17.06	16.95			
15	QPSK	1	37	16.99	16.99	16.94	18.5	0	
15	QPSK	1	74	16.85	16.96	16.87			
15	QPSK	36	0	16.98	17.03	16.87			
15	QPSK	36	20	16.97	17.03	16.89	18.5	0	
15	QPSK	36	39	16.88	16.93	16.86			
15	QPSK	75	0	16.88	16.91	16.94			
15	16QAM	1	0	16.88	16.99	16.92			
15	16QAM	1	37	16.76	17.03	16.91	18.5	0	
15	16QAM	1	74	16.99	16.96	16.94			
15	16QAM	36	0	16.90	16.93	16.90			
15	16QAM	36	20	16.79	16.91	16.90	18.5	0	
15	16QAM	36	39	16.86	16.96	16.88			
15	16QAM	75	0	16.89	17.02	17.00			
15	64QAM	1	0	16.87	16.94	16.82			
15	64QAM	1	37	16.96	16.99	16.95	18.5	0	
15	64QAM	1	74	16.87	16.93	16.90			
15	64QAM	36	0	16.78	17.01	16.91			
15	64QAM	36	20	16.96	16.96	16.87	18.5	0	
15	64QAM	36	39	16.89	16.97	16.90			
15	64QAM	75	0	16.86	16.90	16.91			
Channel									
Frequency (MHz)				20000 <th>20175<th>20350<th><th><th></th></th></th></th></th>	20175 <th>20350<th><th><th></th></th></th></th>	20350 <th><th><th></th></th></th>	<th><th></th></th>	<th></th>	
				1715	1732.5	1750	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	16.98	17.00	16.84			
10	QPSK	1	25	16.96	16.97	17.00	18.5	0	
10	QPSK	1	49	16.86	16.97	16.90			
10	QPSK	25	0	17.00	17.01	16.95			
10	QPSK	25	12	16.95	17.03	16.92	18.5	0	
10	QPSK	25	25	16.81	16.98	16.86			
10	QPSK	50	0	16.89	16.98	16.95			
10	16QAM	1	0	16.91	17.00	16.94	18.5	0	
10	16QAM	1	25	16.83	17.04	16.97			
10	16QAM	1	49	16.93	17.00	16.93			
10	16QAM	25	0	16.91	16.93	16.95			
10	16QAM	25	12	16.85	16.98	16.92	18.5	0	
10	16QAM	25	25	16.95	17.03	16.94			
10	16QAM	50	0	16.95	17.01	16.94			
10	64QAM	1	0	16.78	16.99	16.80	18.5	0	
10	64QAM	1	25	17.02	17.01	16.91			
10	64QAM	1	49	16.95	16.94	16.89			
10	64QAM	25	0	16.81	16.97	16.87			
10	64QAM	25	12	16.92	17.01	16.92	18.5	0	
10	64QAM	25	25	16.96	17.02	16.94			
10	64QAM	50	0	16.83	16.92	16.93			
Channel									
Frequency (MHz)				19975 <th>20175<th>20375<th><th><th></th></th></th></th></th>	20175 <th>20375<th><th><th></th></th></th></th>	20375 <th><th><th></th></th></th>	<th><th></th></th>	<th></th>	
				1712.5	1732.5	1752.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	17.01	17.08	16.83			
5	QPSK	1	12	17.03	16.95	16.97	18.5	0	
5	QPSK	1	24	16.91	16.92	16.84			
5	QPSK	12	0	16.96	17.00	16.84	18.5	0	
5	QPSK	12	7	16.99	16.98	16.95			
5	QPSK	12	13	16.90	16.96	16.85			
5	QPSK	25	0	16.90	16.95	16.94			
5	16QAM	1	0	16.92	16.96	16.92			
5	16QAM	1	12	16.75	17.03	16.83	18.5	0	
5	16QAM	1	24	16.97	16.97	16.84			
5	16QAM	12	0	16.96	17.00	16.91			
5	16QAM	12	7	16.77	16.93	16.88	18.5	0	
5	16QAM	12	13	16.93	16.98	16.87			
5	16QAM	25	0	16.88	16.99	16.99			
5	64QAM	1	0	16.78	16.96	16.77			
5	64QAM	1	12	16.97	16.97	16.84	18.5	0	
5	64QAM	1	24	16.89	16.99	16.88			
5	64QAM	12	0	16.79	17.01	16.89			
5	64QAM	12	7	16.99	16.96	16.89	18.5	0	
5	64QAM	12	13	16.97	17.01	16.87			
5	64QAM	25	0	16.88	16.94	16.92			
Channel									
Frequency (MHz)				1711.5 <th>1732.5<th>1753.5<th><th><th></th></th></th></th></th>	1732.5 <th>1753.5<th><th><th></th></th></th></th>	1753.5 <th><th><th></th></th></th>	<th><th></th></th>	<th></th>	
				1711.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	16.98	17.05	16.84			
3	QPSK	1	8	16.96	16.99	16.94	18.5	0	
3	QPSK	1	14	16.84	17.00	16.85			
3	QPSK	8	0	16.95	17.02	16.97			
3	QPSK	8	4	16.95	16.96	16.89	18.5	0	
3	QPSK	8	4	16.87	16.99	16.95			
3	QPSK	15	0	16.89	16.91	16.87			
3	16QAM	1	0	16.94	16.97	16.89			
3	16QAM	1	8	16.75	17.00	16.83	18.5	0	
3	16QAM	1	14	17.00	16.94	16.89			
3	16QAM	8	0	16.96	17.00	16.88			
3	16QAM	8	4	16.86	16.96	16.84	18.5	0	
3	16QAM	8	7	16.95	16.99	16.94			
3	16QAM	15	0	16.87	16.99	16.99			
3	64QAM	1	0	16.84	16.91	16.79			
3	64QAM	1	8	16.99	16.98	16.94	18.5	0	
3	64QAM	1	14	16.87	16.91	16.86			
3	64QAM	8	0	16.82	17.03	16.85			
3	64QAM	8	4	16.93	17.03	16.83	18.5	0	
3	64QAM	8	7	16.95	16.95	16.86			
3	64QAM	15	0	16.84	16.92	16.84			
Channel									
Frequency (MHz)				19957 <th>20175<th>20393<th><th><th></th></th></th></th></th>	20175 <th>20393<th><th><th></th></th></th></th>	20393 <th><th><th></th></th></th>	<th><th></th></th>	<th></th>	
				1710.7	1732.5	1754.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	17.02	17.07	16.93			
1.4	QPSK	1	5	17.01	16.98	17.01	18.5	0	
1.4	QPSK	1	5	16.88	17.00	16.87			
1.4	QPSK	3	0	16.98	17.00	16.96			
1.4	QPSK	3	1	17.00	17.03	16.91			
1.4	QPSK	3	3	16.88	16.95	16.85	18.5	0	
1.4	QPSK	6	0	16.96	16.99	16.94			
1.4	16QAM	1	0	16.94	16.92	16.87			
1.4	16QAM	1	3	16.80	16.95	16.81	18.5	0	
1.4	16QAM	1	5	16.99	17.01	16.88			
1.4	16QAM	3	0	16.92	16.96	16.87			
1.4	16QAM	3	1	16.83	16.96	16.85			
1.4	16QAM	3	3	16.93	16.99	16.90	18.5	0	
1.4	16QAM	6	0	16.96	17.00	16.93			
1.4	64QAM	1	0	16.80	16.94	16.84			
1.4	64QAM	1	3	17.02	16.99	16.94			
1.4	64QAM	1	5	16.94	17.01	16.92	18.5	0	
1.4	64QAM	3	0	16.78	17.02	16.86			
1.4	64QAM	3	3	16.91	17.03	16.87			
1.4	64QAM	3	3	16.93	16.99	16.89			
1.4	64QAM	6	0	16.87	16.90	16.86	18.5	0	

Band 25 Ant 0 SA DS13										
BW [MHz]	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	1905	
20	QPSK	1	0	15.42	15.46	15.38	17	0		
20	QPSK	1	49	15.30	15.39	15.22				
20	QPSK	1	99	15.17	15.19	15.21				
20	QPSK	50	0	15.40	15.41	15.36				
20	QPSK	50	24	15.33	15.36	15.24				
20	QPSK	50	50	15.17	15.27	15.29	17	0		
20	QPSK	100	0	15.38	15.40	15.39				
20	16QAM	1	0	15.24	15.40	15.29				
20	16QAM	1	49	15.17	15.25	15.24				
20	16QAM	1	99	15.43	15.40	15.40				
20	16QAM	50	0	15.27	15.36	15.21	17	0		
20	16QAM	50	24	15.13	15.21	15.25				
20	16QAM	50	50	15.36	15.39	15.41				
20	16QAM	100	0	15.31	15.35	15.27				
20	64QAM	1	0	15.17	15.19	15.20				
20	64QAM	1	49	15.36	15.40	15.36	17	0		
20	64QAM	1	99	15.32	15.36	15.21				
20	64QAM	50	0	15.15	15.19	15.21				
20	64QAM	50	24	15.41	15.40	15.35				
20	64QAM	50	50	15.34	15.34	15.22				
20	64QAM	100	0	15.19	15.23	15.18	17	0		
Channel								26115	26340	26615
Frequency (MHz)								1857.5	1880	1907.5
15	QPSK	1	0	15.33	15.44	15.38	17	0		
15	QPSK	1	37	15.25	15.27	15.15				
15	QPSK	1	74	15.15	15.08	15.15				
15	QPSK	36	0	15.27	15.40	15.27				
15	QPSK	36	20	15.29	15.38	15.13				
15	QPSK	36	39	15.03	15.30	15.20	17	0		
15	QPSK	75	0	15.31	15.42	15.44				
15	16QAM	1	0	15.19	15.34	15.23				
15	16QAM	1	37	15.08	15.25	15.17				
15	16QAM	1	74	15.37	15.38	15.31				
15	16QAM	36	0	15.19	15.25	15.15	17	0		
15	16QAM	36	20	15.17	15.18	15.14				
15	16QAM	36	39	15.39	15.43	15.39				
15	16QAM	75	0	15.21	15.33	15.14				
15	64QAM	1	0	15.04	15.20	15.08				
15	64QAM	1	37	15.25	15.30	15.26	17	0		
15	64QAM	1	74	15.26	15.23	15.09				
15	64QAM	36	0	15.11	15.20	15.06				
15	64QAM	36	20	15.39	15.44	15.39				
15	64QAM	36	39	15.33	15.28	15.22				
15	64QAM	75	0	15.14	15.14	15.11	17	0		
Channel								26090	26340	26640
Frequency (MHz)								1855	1880	1910
10	QPSK	1	0	15.28	15.40	15.36	17	0		
10	QPSK	1	25	15.19	15.31	15.16				
10	QPSK	1	49	15.19	15.17	15.23				
10	QPSK	25	0	15.36	15.40	15.25				
10	QPSK	25	12	15.25	15.29	15.12				
10	QPSK	25	25	15.16	15.31	15.14	17	0		
10	QPSK	50	0	15.29	15.26	15.30				
10	16QAM	1	0	15.25	15.29	15.24				
10	16QAM	1	25	15.03	15.29	15.13				
10	16QAM	1	49	15.29	15.38	15.31				
10	16QAM	25	0	15.20	15.32	15.26	17	0		
10	16QAM	25	12	15.00	15.25	15.11				
10	16QAM	25	25	15.28	15.42	15.41				
10	16QAM	50	0	15.26	15.33	15.27				
10	64QAM	1	0	15.19	15.04	15.24				
10	64QAM	1	25	15.31	15.31	15.30	17	0		
10	64QAM	1	49	15.34	15.26	15.25				
10	64QAM	25	0	15.02	15.08	15.14				
10	64QAM	25	12	15.33	15.42	15.40				
10	64QAM	25	25	15.38	15.32	15.21				
10	64QAM	50	0	15.21	15.24	15.09	17	0		
Channel								26065	26340	26665
Frequency (MHz)								1852.5	1880	1912.5
5	QPSK	1	0	15.35	15.41	15.24	17	0		
5	QPSK	1	12	15.28	15.39	15.18				
5	QPSK	1	24	15.12	15.23	15.14				
5	QPSK	12	0	15.33	15.45	15.29				
5	QPSK	12	7	15.20	15.30	15.21				
5	QPSK	12	13	15.07	15.28	15.10	17	0		
5	QPSK	25	0	15.38	15.34	15.35				
5	16QAM	1	0	15.15	15.33	15.23				
5	16QAM	1	12	15.15	15.11	15.27				
5	16QAM	1	24	15.31	15.31	15.28				
5	16QAM	12	0	15.26	15.24	15.16	17	0		
5	16QAM	12	7	15.13	15.11	15.28				
5	16QAM	12	13	15.32	15.38	15.34				
5	16QAM	25	0	15.26	15.38	15.30				
5	64QAM	1	0	15.18	15.13	15.19				
5	64QAM	1	12	15.22	15.28	15.24	17	0		
5	64QAM	1	24	15.31	15.33	15.10				
5	64QAM	12	0	15.10	15.19	15.23				
5	64QAM	12	7	15.32	15.42	15.24				
5	64QAM	12	13	15.24	15.35	15.11				
5	64QAM	25	0	15.13	15.20	15.08	17	0		
Channel								26055	26340	26675
Frequency (MHz)								1851.5	1880	1913.5
3	QPSK	1	0	15.38	15.38	15.40	17	0		
3	QPSK	1	8	15.26	15.43	15.07				
3	QPSK	1	14	15.17	15.09	15.17				
3	QPSK	8	0	15.42	15.42	15.26				
3	QPSK	8	4	15.25	15.26	15.23				
3	QPSK	8	7	15.18	15.30	15.26	17	0		
3	QPSK	15	0	15.43	15.37	15.45				
3	16QAM	1	0	15.22	15.44	15.33				
3	16QAM	1	8	15.07	15.11	15.27				
3	16QAM	1	14	15.30	15.32	15.35				
3	16QAM	8	0	15.31	15.32	15.13	17	0		
3	16QAM	8	4	15.00	15.17	15.18				
3	16QAM	8	7	15.37	15.26	15.26				
3	16QAM	15	0	15.28	15.38	15.30				
3	64QAM	1	0	15.12	15.08	15.25				
3	64QAM	1	8	15.26	15.28	15.29	17	0		
3	64QAM	1	14	15.29	15.36	15.09				
3	64QAM	8	0	15.19	15.17	15.26				
3	64QAM	8	4	15.34	15.39	15.24				
3	64QAM	8	7	15.31	15.26	15.11				
3	64QAM	15	0	15.11	15.17	15.21	17	0		
Channel							26047	26340	26681	
Frequency (MHz)							1850.7	1880	1914.3	
1.4	QPSK	1	0	15.33	15.44	15.33	17	0		
1.4	QPSK	1	0	15.13	15.44	15.22				
1.4	QPSK	1	5	15.18	15.06	15.25				
1.4	QPSK	3	0	15.30	15.28	15.26				
1.4	QPSK	3	1	15.28	15.37	15.12				
1.4	QPSK	3	3	15.11	15.12	15.14	17	0		
1.4	QPSK	6	0	15.33	15.36	15.40				
1.4	16QAM	1	0	15.14	15.34	15.21				
1.4	16QAM	1	3	15.19	15.13	15.25				
1.4	16QAM	1	5	15.39	15.39	15.37				
1.4	16QAM	3	0	15.31	15.30	15.18	17	0		
1.4	16QAM	3	1	15.11	15.09	15.17				
1.4	16QAM	3	3	15.38	15.33	15.37				
1.4	16QAM	6	0	15.21	15.31	15.19				
1.4	64QAM	1	0	15.07	15.14	15.19				
1.4	64QAM	1	3	15.41	15.30	15.27	17	0		
1.4	64QAM	1	5	15.34	15.25	15.16				
1.4	64QAM	3	0	15.02	15.09	15.15				
1.4	64QAM	3	1	15.39	15.34	15.26				
1.4	64QAM	3	3	15.24	15.37	15.10				
1.4	64QAM	6	0	15.14	15.26	15.04	17	0		



Band 7 Ant 1 SA DSI3									
BW [MHz]	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	2110	2150			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	18.69	18.83	18.82	20	0	
20	QPSK	1	49	18.82	18.87	18.88			
20	QPSK	1	99	18.57	18.74	18.83			
20	QPSK	50	0	18.72	18.77	18.73	20	0	
20	QPSK	50	24	18.83	18.88	18.82			
20	QPSK	50	50	18.57	18.70	18.80			
20	QPSK	100	0	18.70	18.79	18.77	20	0	
20	16QAM	1	0	18.59	18.67	18.88			
20	16QAM	1	49	18.59	18.71	18.85			
20	16QAM	1	99	18.70	18.78	18.76	20	0	
20	16QAM	50	0	18.57	18.68	18.85			
20	16QAM	50	24	18.61	18.73	18.58			
20	16QAM	50	50	18.66	18.72	18.74	20	0	
20	16QAM	100	0	18.56	18.68	18.85			
20	64QAM	1	0	18.64	18.74	18.80			
20	64QAM	1	49	18.72	18.80	18.75	20	0	
20	64QAM	1	99	18.58	18.72	18.86			
20	64QAM	50	0	18.61	18.69	18.61			
20	64QAM	50	24	18.69	18.80	18.72	20	0	
20	64QAM	50	50	18.55	18.66	18.61			
20	64QAM	100	0	18.63	18.68	18.57			
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	18.65	18.76	18.74	20	0	
15	QPSK	1	37	18.59	18.64	18.84			
15	QPSK	1	74	18.53	18.72	18.57			
15	QPSK	36	0	18.70	18.75	18.69	20	0	
15	QPSK	36	20	18.57	18.65	18.52			
15	QPSK	36	39	18.52	18.59	18.52			
15	QPSK	75	0	18.65	18.70	18.72	20	0	
15	16QAM	1	0	18.52	18.58	18.85			
15	16QAM	1	37	18.46	18.64	18.59			
15	16QAM	1	74	18.65	18.76	18.68	20	0	
15	16QAM	36	0	18.48	18.62	18.62			
15	16QAM	36	20	18.57	18.69	18.56			
15	16QAM	36	39	18.61	18.79	18.68	20	0	
15	16QAM	75	0	18.50	18.65	18.62			
15	64QAM	1	0	18.57	18.68	18.50			
15	64QAM	1	37	18.65	18.79	18.65	20	0	
15	64QAM	1	74	18.55	18.68	18.62			
15	64QAM	36	0	18.51	18.62	18.51			
15	64QAM	36	20	18.62	18.75	18.65	20	0	
15	64QAM	36	39	18.47	18.58	18.56			
15	64QAM	75	0	18.56	18.59	18.51			
Channel				20900	21100	21400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2585			
10	QPSK	1	0	18.63	18.72	18.77	20	0	
10	QPSK	1	25	18.56	18.59	18.65			
10	QPSK	1	49	18.48	18.64	18.55			
10	QPSK	25	0	18.63	18.73	18.70	20	0	
10	QPSK	25	12	18.56	18.65	18.54			
10	QPSK	25	25	18.46	18.60	18.53			
10	QPSK	50	0	18.68	18.74	18.74	20	0	
10	16QAM	1	0	18.49	18.57	18.66			
10	16QAM	1	25	18.52	18.65	18.64			
10	16QAM	1	49	18.69	18.75	18.73	20	0	
10	16QAM	25	0	18.53	18.62	18.59			
10	16QAM	25	12	18.50	18.72	18.46			
10	16QAM	25	25	18.58	18.78	18.67	20	0	
10	16QAM	50	0	18.46	18.62	18.80			
10	64QAM	1	0	18.54	18.65	18.56			
10	64QAM	1	25	18.67	18.74	18.65	20	0	
10	64QAM	1	49	18.55	18.66	18.61			
10	64QAM	25	0	18.57	18.59	18.58			
10	64QAM	25	12	18.64	18.69	18.68	20	0	
10	64QAM	25	25	18.53	18.63	18.57			
10	64QAM	50	0	18.52	18.65	18.53			
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	0	18.67	18.74	18.79	20	0	
5	QPSK	1	12	18.59	18.59	18.65			
5	QPSK	1	24	18.48	18.70	18.56			
5	QPSK	12	0	18.63	18.71	18.62	20	0	
5	QPSK	12	7	18.55	18.66	18.58			
5	QPSK	12	13	18.53	18.61	18.56			
5	QPSK	25	0	18.68	18.76	18.75	20	0	
5	16QAM	1	0	18.56	18.64	18.67			
5	16QAM	1	12	18.55	18.65	18.63			
5	16QAM	1	24	18.61	18.69	18.70	20	0	
5	16QAM	12	0	18.54	18.59	18.56			
5	16QAM	12	7	18.53	18.62	18.49			
5	16QAM	12	13	18.56	18.78	18.64	20	0	
5	16QAM	25	0	18.47	18.66	18.60			
5	64QAM	1	0	18.60	18.70	18.59			
5	64QAM	1	12	18.70	18.82	18.73	20	0	
5	64QAM	1	24	18.51	18.67	18.58			
5	64QAM	12	0	18.55	18.62	18.54			
5	64QAM	12	7	18.59	18.70	18.66	20	0	
5	64QAM	12	13	18.47	18.64	18.58			
5	64QAM	25	0	18.56	18.62	18.46			

Band 30 Ant 1 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					27710				
Frequency (MHz)					2310				
10	QPSK	1	0		19.78		21	0	
10	QPSK	1	25		19.52				
10	QPSK	1	49		19.65				
10	QPSK	25	0		19.72		21	0	
10	QPSK	25	12		19.67				
10	QPSK	25	25		19.64				
10	QPSK	50	0		19.73		21	0	
10	16QAM	1	0		19.49				
10	16QAM	1	25		19.72				
10	16QAM	1	49		19.69		21	0	
10	16QAM	25	0		19.65				
10	16QAM	25	12		19.56				
10	16QAM	25	25		19.77		21	0	
10	16QAM	50	0		19.66				
10	64QAM	1	0		19.68		21	0	
10	64QAM	1	25		19.76				
10	64QAM	1	49		19.54				
10	64QAM	25	0		19.59		21	0	
10	64QAM	25	12		19.75				
10	64QAM	25	25		19.64				
10	64QAM	50	0		19.71		Tune-up limit (dBm)	MPR (dB)	
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	19.67	19.69	19.68	21	0	
5	QPSK	1	12	19.60	19.51	19.45			
5	QPSK	1	24	19.51	19.65	19.52			
5	QPSK	12	0	19.70	19.72	19.63	21	0	
5	QPSK	12	7	19.52	19.45	19.43			
5	QPSK	12	13	19.57	19.59	19.55			
5	QPSK	25	0	19.66	19.61	19.68	21	0	
5	16QAM	1	0	19.54	19.55	19.48			
5	16QAM	1	12	19.63	19.67	19.58	21	0	
5	16QAM	1	24	19.61	19.62	19.77			
5	16QAM	12	0	19.56	19.58	19.52			
5	16QAM	12	7	19.60	19.55	19.53	21	0	
5	16QAM	12	13	19.75	19.59	19.63			
5	16QAM	25	0	19.55	19.50	19.54			
5	64QAM	1	0	19.55	19.59	19.61	21	0	
5	64QAM	1	12	19.77	19.68	19.70			
5	64QAM	1	24	19.53	19.53	19.56			
5	64QAM	12	0	19.58	19.52	19.46	21	0	
5	64QAM	12	7	19.77	19.62	19.77			
5	64QAM	12	13	19.52	19.47	19.51			
5	64QAM	25	0	19.66	19.65	19.53			



Band 38 Ant 1 SA DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Middle Co. [Frac]	Power High Co. [Frac]	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	2580	2595	2610	19.5	0		
20	QPSK	1	0	17.84	18.06	17.96				
20	QPSK	1	49	17.85	17.85	17.85				
20	QPSK	1	99	17.86	17.85	17.83				
20	QPSK	50	0	17.86	18.01	17.89				
20	QPSK	50	24	17.81	17.87	17.86	19.5	0		
20	QPSK	50	50	17.76	17.88	17.78				
20	QPSK	100	0	17.83	17.96	17.89				
20	16QAM	1	0	17.82	17.86	17.85				
20	16QAM	1	49	17.75	17.77	17.77				
20	16QAM	1	99	17.87	17.85	17.85	19.5	0		
20	16QAM	50	0	17.83	18.00	17.97				
20	16QAM	50	24	17.79	17.80	17.80				
20	16QAM	50	50	17.87	17.99	17.89				
20	16QAM	100	0	17.84	17.99	17.96				
20	64QAM	1	0	17.82	18.03	18.00	19.5	0		
20	64QAM	1	49	17.82	17.88	17.84				
20	64QAM	1	99	17.71	17.73	17.75				
20	64QAM	50	0	17.84	17.90	17.81				
20	64QAM	50	24	17.87	17.80	17.80				
20	64QAM	50	50	17.83	18.01	17.83	19.5	0		
20	64QAM	100	0	18.02	18.01	18.02				
Channel				2617.5	2595	2612.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				17.87	17.85	17.86				
15	QPSK	1	0	17.80	18.02	17.93	19.5	0		
15	QPSK	1	37	17.89	17.88	17.81				
15	QPSK	1	74	17.86	17.82	17.81				
15	QPSK	36	0	17.82	17.97	17.89				
15	QPSK	36	20	17.77	17.83	17.84				
15	QPSK	36	39	17.73	17.84	17.75	19.5	0		
15	QPSK	75	0	17.80	17.81	17.85				
15	16QAM	1	0	17.87	17.84	17.82				
15	16QAM	1	37	17.87	17.73	17.84				
15	16QAM	1	74	17.84	17.80	17.84				
15	16QAM	36	0	17.81	17.85	17.86	19.5	0		
15	16QAM	36	20	17.77	17.78	17.87				
15	16QAM	36	39	17.83	17.87	17.85				
15	16QAM	75	0	17.81	17.87	17.82				
15	64QAM	1	0	17.80	18.02	17.96				
15	64QAM	1	37	17.80	17.86	17.82	19.5	0		
15	64QAM	1	74	17.87	17.69	17.72				
15	64QAM	36	0	17.66	17.77	17.66				
15	64QAM	36	20	17.74	17.65	17.69				
15	64QAM	36	39	17.78	17.85	17.80				
15	64QAM	75	0	17.89	18.08	17.96	19.5	0		
Channel				3670.0	3600.0	3630.0	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				27.275	27.05	27.35				
10	QPSK	1	0	17.80	18.01	17.92	19.5	0		
10	QPSK	1	25	17.81	17.86	17.82				
10	QPSK	1	49	17.87	17.80	17.80				
10	QPSK	25	0	17.84	17.86	18.00				
10	QPSK	25	12	17.79	17.86	17.83				
10	QPSK	25	25	17.72	17.85	17.77	19.5	0		
10	QPSK	50	0	17.81	17.81	17.86				
10	16QAM	1	0	17.80	17.84	17.81				
10	16QAM	1	25	17.86	17.74	17.75				
10	16QAM	1	49	17.84	17.83	17.82				
10	16QAM	25	0	17.89	17.87	17.93	19.5	0		
10	16QAM	25	12	17.74	17.79	17.88				
10	16QAM	25	25	17.83	17.95	17.86				
10	16QAM	50	0	17.83	17.85	17.85				
10	64QAM	1	0	17.89	17.89	17.88				
10	64QAM	1	25	17.79	17.84	17.89	19.5	0		
10	64QAM	1	49	17.88	17.70	17.70				
10	64QAM	25	0	17.80	17.82	17.87				
10	64QAM	25	12	17.77	17.65	17.66				
10	64QAM	25	25	17.80	17.87	17.81				
10	64QAM	50	0	17.96	18.07	17.87	19.5	0		
Channel				3777.5	3600.0	3622.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				27.275	27.05	27.35				
5	QPSK	1	0	17.83	17.99	17.93	19.5	0		
5	QPSK	1	12	17.89	17.85	17.89				
5	QPSK	1	24	17.85	17.80	17.81				
5	QPSK	12	0	17.84	17.85	18.00				
5	QPSK	12	7	17.76	17.83	17.82				
5	QPSK	12	13	17.75	17.87	17.76	19.5	0		
5	QPSK	25	0	17.79	17.84	17.85				
5	16QAM	1	0	17.88	17.84	17.83				
5	16QAM	1	12	17.85	17.73	17.83				
5	16QAM	1	24	17.85	17.82	17.81				
5	16QAM	12	0	17.81	17.87	17.89	19.5	0		
5	16QAM	12	7	17.78	17.78	17.69				
5	16QAM	12	13	17.83	17.84	17.85				
5	16QAM	25	0	17.81	17.87	17.82				
5	64QAM	1	0	17.89	18.00	17.98				
5	64QAM	1	12	17.80	17.84	17.80	19.5	0		
5	64QAM	1	24	17.89	17.72	17.71				
5	64QAM	12	0	17.74	17.84	17.67				
5	64QAM	12	7	17.73	17.84	17.70				
5	64QAM	12	13	17.81	17.86	17.83				
5	64QAM	25	0	17.81	17.89	17.87	19.5	0		
Channel				27.275	27.05	27.35	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				27.275	27.05	27.35				
5	QPSK	1	0	17.83	17.99	17.93	19.5	0		
5	QPSK	1	12	17.89	17.85	17.89				
5	QPSK	1	24	17.85	17.80	17.81				
5	QPSK	12	0	17.84	17.85	18.00				
5	QPSK	12	7	17.76	17.83	17.82				
5	QPSK	12	13	17.75	17.87	17.76	19.5	0		
5	QPSK	25	0	17.79	17.84	17.85				
5	16QAM	1	0	17.88	17.84	17.83				
5	16QAM	1	12	17.85	17.73	17.83				
5	16QAM	1	24	17.85	17.82	17.81				
5	16QAM	12	0	17.81	17.87	17.89	19.5	0		
5	16QAM	12	7	17.78	17.78	17.69				
5	16QAM	12	13	17.83	17.84	17.85				
5	16QAM	25	0	17.81	17.87	17.82				
5	64QAM	1	0	17.89	18.00	17.98				
5	64QAM	1	12	17.80	17.84	17.80	19.5	0		
5	64QAM	1	24	17.89	17.72	17.71				
5	64QAM	12	0	17.74	17.84	17.67				
5	64QAM	12	7	17.73	17.84	17.70				
5	64QAM	12	13	17.81	17.86	17.83				
5	64QAM	25	0	17.81	17.89	17.87	19.5	0		
Channel				27.275	27.05	27.35	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				27.275	27.05	27.35				

Band 2 Ant 4 SA DSI3												
BW [MHz]	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	19.91	20.13	19.94	21	0				
20	QPSK	1	49	19.74	19.92	19.82						
20	QPSK	1	99	19.83	19.86	19.75						
20	QPSK	50	0	19.93	20.07	19.94						
20	QPSK	50	24	19.75	19.96	19.77						
20	QPSK	50	50	19.77	19.92	19.78	21	0				
20	QPSK	100	0	19.97	20.12	20.04						
20	16QAM	1	0	19.79	19.92	19.80						
20	16QAM	1	49	19.82	19.93	19.78						
20	16QAM	1	99	19.51	19.71	19.58						
20	16QAM	50	0	19.41	19.55	19.44	20.5	0.5				
20	16QAM	50	24	19.17	19.32	19.26						
20	16QAM	50	50	19.10	19.30	19.27						
20	16QAM	100	0	19.24	19.34	19.33						
20	64QAM	1	0	18.62	18.57	18.65						
20	64QAM	1	49	18.66	18.64	18.65	20.5	0.5				
20	64QAM	1	99	18.63	18.65	18.64						
20	64QAM	50	0	17.51	17.67	17.66						
20	64QAM	50	24	17.54	17.55	17.63						
20	64QAM	50	50	17.53	17.59	17.58						
20	64QAM	100	0	17.51	17.50	17.71	19.5	1.5				
Channel												
Frequency (MHz)										18675	18900	19125
15	QPSK	1	0	19.87	20.07	19.86	21	0				
15	QPSK	1	37	19.67	19.83	19.79						
15	QPSK	1	74	19.76	19.79	19.67						
15	QPSK	36	0	19.88	19.97	19.88						
15	QPSK	36	20	19.67	19.95	19.68						
15	QPSK	36	39	19.68	19.84	19.75	21	0				
15	QPSK	75	0	19.67	20.12	20.02						
15	16QAM	1	0	19.69	19.83	19.79						
15	16QAM	1	37	19.76	19.84	19.77						
15	16QAM	1	74	19.47	19.62	19.52						
15	16QAM	36	0	19.38	19.34	19.35	20.5	0.5				
15	16QAM	36	20	19.05	19.10	19.07						
15	16QAM	36	39	19.00	19.17	19.14						
15	16QAM	75	0	19.05	19.19	19.34						
15	64QAM	1	0	18.58	18.55	18.54						
15	64QAM	1	37	18.59	18.56	18.58	20.5	0.5				
15	64QAM	1	74	18.55	18.59	18.65						
15	64QAM	36	0	17.54	17.50	17.65						
15	64QAM	36	20	17.56	17.58	17.58						
15	64QAM	36	39	17.54	17.52	17.53						
15	64QAM	75	0	17.54	17.57	17.67	19.5	1.5				
Channel										18650	18900	19150
Frequency (MHz)										1865	1880	1905
10	QPSK	1	0	19.90	20.07	19.92	21	0				
10	QPSK	1	25	19.65	19.88	19.81						
10	QPSK	1	49	19.75	19.82	19.65						
10	QPSK	25	0	19.83	20.00	19.91						
10	QPSK	25	12	19.75	19.89	19.74						
10	QPSK	25	25	19.77	19.82	19.75	21	0				
10	QPSK	50	0	19.90	20.12	20.03						
10	16QAM	1	0	19.76	19.90	19.70						
10	16QAM	1	25	19.76	19.91	19.77						
10	16QAM	1	49	19.49	19.67	19.48						
10	16QAM	25	0	19.23	19.46	19.27	20.5	0.5				
10	16QAM	25	12	19.14	19.14	19.17						
10	16QAM	25	25	19.01	19.20	19.10						
10	16QAM	50	0	19.03	19.31	19.30						
10	64QAM	1	0	18.51	18.55	18.51						
10	64QAM	1	25	18.58	18.59	18.57	20.5	0.5				
10	64QAM	1	49	18.59	18.55	18.56						
10	64QAM	25	0	17.58	17.68	17.54						
10	64QAM	25	12	17.56	17.68	17.54						
10	64QAM	25	25	17.58	17.57	17.61						
10	64QAM	50	0	17.57	17.58	17.71	19.5	1.5				
Channel										18625	18900	19175
Frequency (MHz)										1862.5	1880	1907.5
5	QPSK	1	0	19.90	20.09	19.93	21	0				
5	QPSK	1	12	19.74	19.84	19.80						
5	QPSK	1	24	19.75	19.85	19.73						
5	QPSK	12	0	19.85	19.98	19.89						
5	QPSK	12	7	19.74	19.89	19.73						
5	QPSK	12	13	19.68	19.89	19.69	21	0				
5	QPSK	25	0	19.91	20.12	20.04						
5	16QAM	1	0	19.78	19.92	19.76						
5	16QAM	1	12	19.72	19.90	19.71						
5	16QAM	1	24	19.47	19.66	19.55						
5	16QAM	12	0	19.19	19.44	19.40	20.5	0.5				
5	16QAM	12	7	19.09	19.30	19.18						
5	16QAM	12	13	18.95	19.09	19.28						
5	16QAM	25	0	19.09	19.27	19.25						
5	64QAM	1	0	18.51	18.55	18.58						
5	64QAM	1	12	18.61	18.56	18.57	20.5	0.5				
5	64QAM	1	24	18.51	18.56	18.57						
5	64QAM	12	0	17.56	17.64	17.66						
5	64QAM	12	7	17.57	17.56	17.63						
5	64QAM	12	13	17.50	17.56	17.55						
5	64QAM	25	0	17.52	17.58	17.64	19.5	1.5				
Channel										18615	18900	19185
Frequency (MHz)										1861.5	1880	1908.5
3	QPSK	1	0	19.89	20.10	19.84	21	0				
3	QPSK	1	8	19.66	19.88	19.78						
3	QPSK	1	14	19.61	19.62	19.73						
3	QPSK	8	0	19.86	19.98	19.93						
3	QPSK	8	4	19.70	19.95	19.69						
3	QPSK	8	7	19.68	19.84	19.73	21	0				
3	QPSK	15	0	19.93	20.00	19.96						
3	16QAM	1	0	19.79	19.84	19.78						
3	16QAM	1	8	19.73	19.87	19.69						
3	16QAM	1	14	19.42	19.67	19.50						
3	16QAM	8	0	19.33	19.48	19.36	20.5	0.5				
3	16QAM	8	4	19.08	19.30	19.17						
3	16QAM	8	7	19.11	19.18	19.16						
3	16QAM	15	0	19.18	19.12	19.20						
3	64QAM	1	0	18.62	18.54	18.62						
3	64QAM	1	8	18.59	18.59	18.57	20.5	0.5				
3	64QAM	1	14	18.58	18.64	18.65						
3	64QAM	8	0	17.58	17.59	17.54						
3	64QAM	8	4	17.52	17.57	17.55						
3	64QAM	8	7	17.58	17.57	17.53						
3	64QAM	15	0	17.53	17.51	17.69	19.5	1.5				
Channel										18607	18900	19193
Frequency (MHz)										1860.7	1880	1909.3
1.4	QPSK	1	0	19.86	20.05	19.92	21	0				
1.4	QPSK	1	3	19.71	19.83	19.79						
1.4	QPSK	1	5	19.80	19.79	19.67						
1.4	QPSK	3	0	19.86	20.06	19.86						
1.4	QPSK	3	1	19.75	19.88	19.67						
1.4	QPSK	3	3	19.67	19.92	19.73	21	0				
1.4	QPSK	6	0	19.83	20.05	20.04						
1.4	16QAM	1	0	19.69	19.82	19.71						
1.4	16QAM	1	3	19.75	19.89	19.68						
1.4	16QAM	1	5	19.42	19.70	19.53						
1.4	16QAM	3	0	19.65	19.74	19.65	21	0				
1.4	16QAM	3	1	19.65	19.82	19.60						
1.4	16QAM	3	3	19.36	19.67	19.44						
1.4	16QAM	6	0	19.19	19.34	19.21	20.5	0.5				
1.4	64QAM	1	0	18.51	18.56	18.66						
1.4	64QAM	1	3	18.54	18.55	18.63						
1.4	64QAM	3	0	18.53	18.61	18.62	20.5	0.5				
1.4	64QAM	3	1	18.51	18.62	18.54						
1.4	64QAM	3	3	18.53	18.63	18.64						
1.4	64QAM	3	3	18.58	18.52	18.57						
1.4	64QAM	6	0	17.59	17.65	17.69						

Band 25 Ant 4 SA DSI3												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel				26160	26340	26590						
Frequency (MHz)				1860	1880	1905						
20	QPSK	1	0	19.71	19.70	19.77	21	0				
20	QPSK	1	49	19.58	19.62	19.75						
20	QPSK	1	99	19.70	19.76	19.71						
20	QPSK	50	0	19.64	19.74	19.53						
20	QPSK	50	24	19.66	19.59	19.71	21	0				
20	QPSK	50	50	19.63	19.66	19.55						
20	QPSK	100	0	19.68	19.76	19.65						
20	16QAM	1	0	19.53	19.58	19.67						
20	16QAM	1	49	19.65	19.71	19.72	21	0				
20	16QAM	1	99	19.59	19.77	19.55						
20	16QAM	50	0	19.28	19.37	19.29						
20	16QAM	50	24	19.07	19.31	19.15						
20	16QAM	50	50	19.11	19.36	19.13	20.5	0.5				
20	16QAM	100	0	19.06	19.28	19.12						
20	64QAM	1	0	19.43	19.51	19.37						
20	64QAM	1	49	19.35	19.40	19.31						
20	64QAM	1	99	19.43	19.48	19.38	20.5	0.5				
20	64QAM	50	0	19.35	19.39	19.32						
20	64QAM	50	24	18.34	18.34	18.24						
20	64QAM	50	50	18.15	18.39	18.15						
20	64QAM	100	0	18.29	18.25	18.13	19.5	1.5				
Channel				26115	26340	26615						
Frequency (MHz)				1857.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	19.62	19.72	19.53	21	0				
15	QPSK	1	37	19.61	19.61	19.75						
15	QPSK	1	74	19.63	19.78	19.77						
15	QPSK	36	0	19.55	19.69	19.54						
15	QPSK	36	20	19.63	19.60	19.70	21	0				
15	QPSK	36	39	19.63	19.78	19.76						
15	QPSK	75	0	19.65	19.71	19.69						
15	16QAM	1	0	19.56	19.57	19.64						
15	16QAM	1	37	19.65	19.71	19.71	21	0				
15	16QAM	1	74	19.60	19.75	19.50						
15	16QAM	36	0	19.24	19.26	19.29						
15	16QAM	36	20	19.28	19.27	19.25						
15	16QAM	36	39	19.08	19.14	19.09	20.5	0.5				
15	16QAM	75	0	19.00	19.23	19.04						
15	64QAM	1	0	19.27	19.38	19.35						
15	64QAM	1	37	19.21	19.18	19.19						
15	64QAM	1	74	19.44	19.34	19.25	20.5	0.5				
15	64QAM	36	0	18.26	18.35	18.22						
15	64QAM	36	20	18.17	18.23	18.04						
15	64QAM	36	39	18.11	18.27	18.16						
15	64QAM	75	0	18.21	18.06	18.04	19.5	1.5				
Channel				26090	26340	26640			Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1910			21 <td rowspan="3">0</td> <td colspan="2"></td>	0		
10	QPSK	1	0	19.64	19.73	19.55						
10	QPSK	1	25	19.56	19.60	19.76						
10	QPSK	1	49	19.69	19.71	19.69	21	0				
10	QPSK	25	0	19.62	19.73	19.66						
10	QPSK	25	12	19.60	19.63	19.78						
10	QPSK	25	25	19.70	19.77	19.72						
10	QPSK	50	0	19.70	19.74	19.52	21	0				
10	16QAM	1	0	19.56	19.56	19.71						
10	16QAM	1	25	19.58	19.75	19.76						
10	16QAM	1	49	19.67	19.76	19.51						
10	16QAM	25	0	19.10	19.33	19.21	20.5	0.5				
10	16QAM	25	12	19.25	19.27	19.08						
10	16QAM	25	25	19.09	19.17	19.10						
10	16QAM	50	0	19.29	19.26	19.02						
10	64QAM	1	0	19.23	19.47	19.19	20.5	0.5				
10	64QAM	1	25	19.18	19.33	19.30						
10	64QAM	1	49	19.29	19.47	19.16						
10	64QAM	25	0	19.19	19.26	19.21						
10	64QAM	25	12	18.27	18.35	18.16	19.5	1.5				
10	64QAM	25	25	18.13	18.27	18.15						
10	64QAM	50	0	18.07	18.12	18.11						
Channel				26095	26340	26665	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1852.5	1880	1912.5	21 <td rowspan="3">0</td> <td colspan="2"></td>	0				
5	QPSK	1	0	19.68	19.76	19.58						
5	QPSK	1	12	19.58	19.58	19.67						
5	QPSK	1	24	19.72	19.75	19.74	21	0				
5	QPSK	12	0	19.63	19.78	19.65						
5	QPSK	12	7	19.59	19.60	19.77						
5	QPSK	12	13	19.64	19.77	19.65						
5	QPSK	25	0	19.66	19.78	19.67	21	0				
5	16QAM	1	0	19.55	19.62	19.68						
5	16QAM	1	12	19.65	19.70	19.75						
5	16QAM	1	24	19.65	19.77	19.50						
5	16QAM	12	0	19.26	19.26	19.23	20.5	0.5				
5	16QAM	12	7	19.08	19.30	19.14						
5	16QAM	12	13	19.09	19.15	19.15						
5	16QAM	25	0	19.07	19.13	19.14						
5	64QAM	1	0	19.39	19.49	19.19	20.5	0.5				
5	64QAM	1	12	19.20	19.31	19.17						
5	64QAM	1	24	19.45	19.46	19.17						
5	64QAM	12	0	18.36	18.23	18.10						
5	64QAM	12	7	18.17	18.31	18.21	19.5	1.5				
5	64QAM	12	13	18.13	18.19	18.17						
5	64QAM	25	0	18.25	18.15	18.03						
Channel				26095	26340	26675	Tune-up limit (dBm)	MPR (dB)				
Frequency (MHz)				1851.5	1880	1913.5	21 <td rowspan="3">0</td> <td colspan="2"></td>	0				
3	QPSK	1	0	19.65	19.76	19.53						
3	QPSK	1	8	19.59	19.58	19.66						
3	QPSK	1	14	19.68	19.72	19.69	21	0				
3	QPSK	8	0	19.56	19.76	19.65						
3	QPSK	8	4	19.67	19.63	19.73						
3	QPSK	8	7	19.62	19.75	19.72						
3	QPSK	15	0	19.62	19.70	19.65	21	0				
3	16QAM	1	0	19.58	19.59	19.66						
3	16QAM	1	8	19.61	19.70	19.75						
3	16QAM	1	14	19.61	19.71	19.69						
3	16QAM	8	0	19.27	19.33	19.26	20.5	0.5				
3	16QAM	8	4	19.14	19.20	19.10						
3	16QAM	8	7	19.06	19.18	19.11						
3	16QAM	15	0	19.11	19.27	19.09						
3	64QAM	1	0	19.28	19.48	19.35	20.5	0.5				
3	64QAM	1	8	19.26	19.27	19.31						
3	64QAM	1	14	19.32	19.36	19.27						
3	64QAM	8	0	18.20	18.22	18.14						
3	64QAM	8	4	18.35	18.25	18.08	19.5	1.5				
3	64QAM	8	7	18.09	18.20	18.14						
3	64QAM	15	0	18.22	18.23	18.08						
Channel				26047	26340	26683						
Frequency (MHz)				1850.7	1880	1914.3	Tune-up limit (dBm)	MPR (dB)				
1.4	QPSK	1	0	19.63	19.78	19.57	21	0				
1.4	QPSK	1	3	19.64	19.79	19.68						
1.4	QPSK	1	5	19.66	19.75	19.71						
1.4	QPSK	3	0	19.64	19.76	19.64						
1.4	QPSK	3	1	19.59	19.59	19.77	21	0				
1.4	QPSK	3	3	19.66	19.78	19.77						
1.4	QPSK	6	0	19.69	19.73	19.53						
1.4	16QAM	1	0	19.54	19.60	19.66						
1.4	16QAM	1	3	19.58	19.69	19.69	21	0				
1.4	16QAM	1	5	19.60	19.72	19.67						
1.4	16QAM	3	0	19.61	19.59	19.83						
1.4	16QAM	3	1	19.61	19.67	19.71						
1.4	16QAM	3	3	19.60	19.76	19.54	20.5	0.5				
1.4	16QAM	6	0	19.18	19.39	19.29						
1.4	64QAM	1	0	19.42	19.45	19.37						
1.4	64QAM	1	3	19.30	19.25	19.16						
1.4	64QAM	1	5	19.41	19.31	19.29	20.5	0.5				
1.4	64QAM	3	0	19.31	19.31	19.26						
1.4	64QAM	3	1	19.14	19.26	19.25						
1.4	64QAM	3	3	19.24	19.27	19.34						
1.4	64QAM	6	0	18.27	18.16	18.16	19.5	1.5				

Band 48 Ant 5 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	16.98	17.15	17.03	16.77	18.5	0
20	QPSK	1	49	16.97	16.74	16.93	16.72		
20	QPSK	1	99	16.72	16.68	16.72	16.79		
20	QPSK	50	0	16.93	17.10	17.01	16.70		
20	QPSK	50	24	16.93	16.68	16.87	16.66	18.5	0
20	QPSK	50	50	16.69	16.62	16.65	16.74		
20	QPSK	100	0	16.93	17.12	16.98	16.70		
20	16QAM	1	0	16.95	17.10	16.99	16.72		
20	16QAM	1	49	16.89	16.70	16.85	16.67	18.5	0
20	16QAM	1	99	16.67	16.60	16.69	16.77		
20	16QAM	50	0	16.91	17.07	16.99	16.73		
20	16QAM	50	24	16.94	16.69	16.87	16.68		
20	16QAM	50	50	16.68	16.64	16.68	16.75	18.5	0
20	16QAM	100	0	16.93	17.07	16.97	16.74		
20	64QAM	1	0	16.95	17.11	16.99	16.73		
20	64QAM	1	49	16.93	16.95	16.89	16.69	18.5	0
20	64QAM	1	99	16.92	16.94	16.69	16.74		
20	64QAM	50	0	16.91	17.08	17.01	16.70		
20	64QAM	50	24	16.89	16.66	16.87	16.66		
20	64QAM	50	50	16.69	16.61	16.64	16.77	18.5	0
20	64QAM	100	0	16.64	16.76	16.64	16.68		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	16.93	17.08	16.99	16.74	18.5	0
15	QPSK	1	37	16.90	16.71	16.87	16.65		
15	QPSK	1	74	16.68	16.65	16.69	16.76		
15	QPSK	36	0	16.87	17.04	16.97	16.67		
15	QPSK	36	20	16.89	16.60	16.81	16.61	18.5	0
15	QPSK	36	39	16.66	16.56	16.62	16.69		
15	QPSK	75	0	16.90	17.04	16.94	16.64		
15	16QAM	1	0	16.89	17.05	16.94	16.70		
15	16QAM	1	37	16.85	16.66	16.80	16.61	18.5	0
15	16QAM	1	74	16.61	16.56	16.66	16.71		
15	16QAM	36	0	16.83	16.99	16.93	16.65		
15	16QAM	36	20	16.90	16.66	16.81	16.65		
15	16QAM	36	39	16.66	16.56	16.64	16.69	18.5	0
15	16QAM	75	0	16.90	16.99	16.94	16.69		
15	64QAM	1	0	16.93	17.08	16.92	16.66		
15	64QAM	1	37	16.89	16.91	16.82	16.62	18.5	0
15	64QAM	1	74	16.84	16.89	16.61	16.69		
15	64QAM	36	0	16.88	17.03	16.98	16.64		
15	64QAM	36	20	16.94	16.58	16.82	16.64		
15	64QAM	36	39	16.66	16.58	16.57	16.71	18.5	0
15	64QAM	75	0	16.58	16.73	16.58	16.63		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	16.92	17.12	16.99	16.72	18.5	0
10	QPSK	1	23	16.91	16.70	16.88	16.68		
10	QPSK	1	49	16.68	16.64	16.70	16.75		
10	QPSK	25	0	16.87	17.04	16.98	16.62		
10	QPSK	25	12	16.89	16.65	16.82	16.64	18.5	0
10	QPSK	25	25	16.62	16.60	16.59	16.71		
10	QPSK	60	0	16.96	17.04	16.92	16.64		
10	16QAM	1	0	16.89	17.05	16.92	16.70		
10	16QAM	1	25	16.86	16.67	16.79	16.64	18.5	0
10	16QAM	1	49	16.65	16.57	16.66	16.72		
10	16QAM	25	0	16.87	17.03	16.95	16.68		
10	16QAM	25	12	16.89	16.63	16.80	16.62		
10	16QAM	25	25	16.62	16.58	16.62	16.74	18.5	0
10	16QAM	50	0	16.89	17.01	16.90	16.71		
10	64QAM	1	0	16.89	17.07	16.94	16.68		
10	64QAM	1	25	16.85	16.89	16.81	16.64	18.5	0
10	64QAM	1	49	16.85	16.88	16.66	16.70		
10	64QAM	25	0	16.88	17.03	16.95	16.65		
10	64QAM	25	12	16.84	16.61	16.79	16.60		
10	64QAM	25	25	16.61	16.55	16.57	16.73	18.5	0
10	64QAM	50	0	16.58	16.68	16.62	16.64		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	16.91	17.10	17.00	16.72	18.5	0
5	QPSK	1	12	16.92	16.67	16.88	16.65		
5	QPSK	1	24	16.69	16.63	16.65	16.73		
5	QPSK	12	0	16.90	17.05	16.94	16.63		
5	QPSK	12	7	16.90	16.63	16.63	16.62	18.5	0
5	QPSK	12	13	16.63	16.59	16.61	16.66		
5	QPSK	25	0	16.87	17.04	16.92	16.62		
5	16QAM	1	0	16.88	17.03	16.93	16.69		
5	16QAM	1	12	16.85	16.67	16.81	16.60	18.5	0
5	16QAM	1	24	16.62	16.53	16.66	16.69		
5	16QAM	12	0	16.86	17.04	16.92	16.65		
5	16QAM	12	7	16.90	16.63	16.82	16.61		
5	16QAM	12	13	16.62	16.60	16.65	16.73	18.5	0
5	16QAM	25	0	16.89	17.03	16.94	16.69		
5	64QAM	1	0	16.88	17.08	16.95	16.66		
5	64QAM	1	12	16.87	16.91	16.82	16.63	18.5	0
5	64QAM	1	24	16.87	16.87	16.63	16.70		
5	64QAM	12	0	16.84	17.02	16.94	16.66		
5	64QAM	12	7	16.86	16.64	16.82	16.60		
5	64QAM	12	13	16.61	16.58	16.61	16.71	18.5	0
5	64QAM	25	0	16.61	16.73	16.57	16.63		

Band 4 Ant 0 NSA DS13										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										MPR (dB)
Frequency (MHz)										
20	QPSK	1	0	14.52	14.60	14.47				
20	QPSK	1	49	14.46	14.56	14.51	16	0		
20	QPSK	1	99	14.35	14.54	14.38				
20	QPSK	50	0	14.52	14.55	14.46				
20	QPSK	50	24	14.45	14.50	14.44	16	0		
20	QPSK	50	50	14.41	14.52	14.42				
20	QPSK	100	0	14.50	14.58	14.41				
20	16QAM	1	0	14.51	14.56	14.52				
20	16QAM	1	49	14.42	14.53	14.34	16	0		
20	16QAM	1	99	14.52	14.53	14.43				
20	16QAM	50	0	14.54	14.49	14.47				
20	16QAM	50	24	14.35	14.49	14.34	16	0		
20	16QAM	50	50	14.58	14.57	14.47				
20	16QAM	100	0	14.52	14.51	14.45				
20	64QAM	1	0	14.39	14.47	14.39				
20	64QAM	1	49	14.55	14.59	14.41	16	0		
20	64QAM	1	99	14.49	14.58	14.44				
20	64QAM	50	0	14.35	14.50	14.41				
20	64QAM	50	24	14.49	14.59	14.41	16	0		
20	64QAM	50	50	14.50	14.55	14.52				
20	64QAM	100	0	14.39	14.54	14.42				
Channel										MPR (dB)
Frequency (MHz)										
				20025	20175	20325				
	Frequency (MHz)			1717.5	1732.5	1747.5	Tune-up limit (dBm)			
15	QPSK	1	0	14.46	14.56	14.44			16	0
15	QPSK	1	37	14.38	14.55	14.44				
15	QPSK	1	74	14.29	14.45	14.29				
15	QPSK	36	0	14.49	14.48	14.45				
15	QPSK	36	20	14.40	14.46	14.37	16	0		
15	QPSK	36	39	14.38	14.46	14.38				
15	QPSK	75	0	14.47	14.59	14.40				
15	16QAM	1	0	14.43	14.53	14.49				
15	16QAM	1	37	14.41	14.45	14.29	16	0		
15	16QAM	1	74	14.45	14.50	14.33				
15	16QAM	36	0	14.50	14.43	14.38				
15	16QAM	36	20	14.30	14.45	14.27	16	0		
15	16QAM	36	39	14.53	14.56	14.44				
15	16QAM	75	0	14.43	14.44	14.31				
15	64QAM	1	0	14.29	14.44	14.38			16	0
15	64QAM	1	37	14.54	14.51	14.38	16	0		
15	64QAM	1	74	14.49	14.51	14.37				
15	64QAM	36	0	14.31	14.44	14.36			16	0
15	64QAM	36	20	14.46	14.50	14.38				
15	64QAM	36	39	14.41	14.54	14.48				
15	64QAM	75	0	14.32	14.52	14.34				
Channel										MPR (dB)
Frequency (MHz)										
				20000	20175	20350				
	Frequency (MHz)			1715	1732.5	1750	Tune-up limit (dBm)			
10	QPSK	1	0	14.44	14.50	14.44			16	0
10	QPSK	1	25	14.42	14.56	14.51				
10	QPSK	1	49	14.29	14.52	14.38				
10	QPSK	25	0	14.48	14.47	14.45			16	0
10	QPSK	25	12	14.39	14.49	14.35				
10	QPSK	25	25	14.37	14.44	14.37	16	0		
10	QPSK	50	0	14.49	14.56	14.39				
10	16QAM	1	0	14.51	14.53	14.46			16	0
10	16QAM	1	25	14.38	14.44	14.32				
10	16QAM	1	49	14.43	14.53	14.42				
10	16QAM	25	0	14.47	14.47	14.39			16	0
10	16QAM	25	12	14.29	14.44	14.25				
10	16QAM	25	25	14.51	14.56	14.39				
10	16QAM	50	0	14.44	14.43	14.40			16	0
10	64QAM	1	0	14.38	14.41	14.37				
10	64QAM	1	25	14.53	14.49	14.39	16	0		
10	64QAM	1	49	14.42	14.56	14.41				
10	64QAM	25	0	14.25	14.45	14.33				
10	64QAM	25	12	14.46	14.57	14.34			16	0
10	64QAM	25	25	14.40	14.55	14.43				
10	64QAM	50	0	14.37	14.47	14.41				
Channel										MPR (dB)
Frequency (MHz)										
				19975	20175	20375				
	Frequency (MHz)			1712.5	1732.5	1752.5	Tune-up limit (dBm)			
5	QPSK	1	0	14.47	14.59	14.41			16	0
5	QPSK	1	12	14.37	14.52	14.40				
5	QPSK	1	24	14.26	14.46	14.33				
5	QPSK	12	0	14.43	14.46	14.46			16	0
5	QPSK	12	7	14.42	14.40	14.38				
5	QPSK	12	13	14.34	14.50	14.42				
5	QPSK	25	0	14.44	14.58	14.32				
5	16QAM	1	0	14.44	14.48	14.44			16	0
5	16QAM	1	12	14.32	14.48	14.28				
5	16QAM	1	24	14.45	14.51	14.35				
5	16QAM	12	0	14.53	14.44	14.46			16	0
5	16QAM	12	7	14.33	14.46	14.33				
5	16QAM	12	13	14.57	14.49	14.44				
5	16QAM	25	0	14.46	14.45	14.40			16	0
5	64QAM	1	0	14.38	14.40	14.38				
5	64QAM	1	12	14.46	14.53	14.39	16	0		
5	64QAM	1	24	14.42	14.53	14.40				
5	64QAM	12	0	14.35	14.45	14.41				
5	64QAM	12	7	14.45	14.57	14.39	16	0		
5	64QAM	12	13	14.42	14.51	14.44				
5	64QAM	25	0	14.31	14.49	14.36				
Channel										MPR (dB)
Frequency (MHz)										
				1711.5	1732.5	1753.5				
	Frequency (MHz)			1712.5	1732.5	1753.5	Tune-up limit (dBm)			
3	QPSK	1	0	14.46	14.54	14.45			16	0
3	QPSK	1	8	14.40	14.54	14.51				
3	QPSK	1	14	14.34	14.53	14.37				
3	QPSK	8	0	14.50	14.52	14.40			16	0
3	QPSK	8	4	14.42	14.48	14.43				
3	QPSK	8	7	14.37	14.45	14.36				
3	QPSK	15	0	14.49	14.56	14.33				
3	16QAM	1	0	14.42	14.56	14.47			16	0
3	16QAM	1	8	14.40	14.47	14.25				
3	16QAM	1	14	14.45	14.47	14.38				
3	16QAM	8	0	14.51	14.40	14.42			16	0
3	16QAM	8	4	14.30	14.48	14.29				
3	16QAM	8	7	14.54	14.57	14.40				
3	16QAM	15	0	14.49	14.46	14.37				
3	64QAM	1	0	14.33	14.45	14.33			16	0
3	64QAM	1	8	14.48	14.56	14.34				
3	64QAM	1	14	14.42	14.57	14.37				
3	64QAM	8	0	14.27	14.49	14.34			16	0
3	64QAM	8	4	14.45	14.54	14.35				
3	64QAM	8	7	14.49	14.54	14.49			16	0
3	64QAM	15	0	14.33	14.51	14.37				
Channel										MPR (dB)
Frequency (MHz)										
				19967	20175	20393				
	Frequency (MHz)			1710.7	1732.5	1754.3	Tune-up limit (dBm)			
1.4	QPSK	1	0	14.43	14.45	14.40			16	0
1.4	QPSK	1	4	14.45	14.49	14.50				
1.4	QPSK	1	5	14.35	14.53	14.35				
1.4	QPSK	3	0	14.50	14.49	14.37	16	0		
1.4	QPSK	3	1	14.42	14.42	14.37				
1.4	QPSK	3	3	14.32	14.49	14.37				
1.4	QPSK	6	0	14.50	14.53	14.49	16	0		
1.4	16QAM	1	0	14.47	14.51	14.50				
1.4	16QAM	1	3	14.42	14.49	14.31			16	0
1.4	16QAM	1	5	14.47	14.53	14.35				
1.4	16QAM	3	0	14.49	14.46	14.44	16	0		
1.4	16QAM	3	1	14.28	14.48	14.32				
1.4	16QAM	3	3	14.53	14.57	14.46			16	0
1.4	16QAM	6	0	14.47	14.44	14.44				
1.4	64QAM	1	0	14.33	14.42	14.35			16	0
1.4	64QAM	1	3	14.54	14.56	14.35				
1.4	64QAM	1	5	14.49	14.57	14.43			16	0
1.4	64QAM	3	0	14.27	14.43	14.40				
1.4	64QAM	3	1	14.42	14.56	14.40				
1.4	64QAM	3	3	14.45	14.48	14.46			16	0
1.4	64QAM	6	0	14.34	14.47	14.37	16	0		

Band 25 Ant 0 NSA DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./F.Freq.	Power Middle Ch./F.Freq.	Power High Ch./F.Freq.	Tune-up limit (dbm)	MPR (db)		
Channel							Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)										
20	QPSK	1	0	12.39	12.44	12.36			14	0
20	QPSK	1	49	12.31	12.32	12.24				
20	QPSK	1	99	12.18	12.23	12.24				
20	QPSK	50	0	12.37	12.39	12.34			14	0
20	QPSK	50	24	12.28	12.37	12.26				
20	QPSK	50	50	12.16	12.18	12.28				
20	QPSK	100	0	12.38	12.41	12.33			14	0
20	16QAM	1	0	12.27	12.42	12.25				
20	16QAM	1	49	12.16	12.20	12.18				
20	16QAM	1	99	12.43	12.40	12.35			14	0
20	16QAM	50	0	12.29	12.36	12.28				
20	16QAM	50	24	12.20	12.34	12.24				
20	16QAM	50	50	12.45	12.42	12.35			14	0
20	16QAM	100	0	12.32	12.36	12.29				
20	84QAM	1	0	12.17	12.21	12.22				
20	84QAM	1	49	12.41	12.42	12.36			14	0
20	84QAM	1	99	12.25	12.40	12.28				
20	84QAM	50	0	12.22	12.21	12.22				
20	84QAM	50	24	12.35	12.36	12.32			14	0
20	84QAM	50	50	12.29	12.32	12.26				
20	84QAM	100	0	12.15	12.19	12.25				
Channel							Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)										
15	QPSK	1	0	12.31	12.46	12.31			14	0
15	QPSK	1	37	12.28	12.18	12.20				
15	QPSK	1	74	12.19	12.25	12.22				
15	QPSK	36	0	12.28	12.30	12.23			14	0
15	QPSK	36	20	12.24	12.26	12.23				
15	QPSK	36	39	12.17	12.30	12.09				
15	QPSK	75	0	12.34	12.40	12.34			14	0
15	16QAM	1	0	12.26	12.35	12.35				
15	16QAM	1	37	12.06	12.22	12.18				
15	16QAM	1	74	12.28	12.35	12.35			14	0
15	16QAM	36	0	12.29	12.28	12.22				
15	16QAM	36	20	12.00	12.17	12.14				
15	16QAM	36	39	12.39	12.42	12.36			14	0
15	16QAM	75	0	12.34	12.22	12.28				
15	84QAM	1	0	12.21	12.19	12.20				
15	84QAM	1	37	12.26	12.29	12.27			14	0
15	84QAM	1	74	12.27	12.45	12.23				
15	84QAM	36	0	12.05	12.13	12.10				
15	84QAM	36	20	12.31	12.36	12.30			14	0
15	84QAM	36	39	12.31	12.31	12.13				
15	84QAM	75	0	12.12	12.15	12.25				
Channel							Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)										
10	QPSK	1	0	12.32	12.30	12.13			14	0
10	QPSK	1	25	12.25	12.34	12.10				
10	QPSK	1	49	12.15	12.09	12.16				
10	QPSK	25	0	12.40	12.40	12.30			14	0
10	QPSK	25	12	12.27	12.22	12.13				
10	QPSK	25	25	12.05	12.17	12.11				
10	QPSK	50	0	12.34	12.36	12.29			14	0
10	16QAM	1	0	12.25	12.32	12.25				
10	16QAM	1	25	12.06	12.10	12.14				
10	16QAM	1	49	12.26	12.32	12.37			14	0
10	16QAM	25	0	12.33	12.39	12.20				
10	16QAM	25	12	12.09	12.27	12.07				
10	16QAM	25	25	12.41	12.44	12.32			14	0
10	16QAM	50	0	12.32	12.27	12.17				
10	84QAM	1	0	12.21	12.12	12.21				
10	84QAM	1	25	12.37	12.35	12.27			14	0
10	84QAM	1	49	12.26	12.43	12.15				
10	84QAM	25	0	12.12	12.10	12.16				
10	84QAM	25	12	12.26	12.37	12.18			14	0
10	84QAM	25	25	12.34	12.34	12.21				
10	84QAM	50	0	12.20	12.08	12.23				
Channel							Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)										
5	QPSK	1	0	12.30	12.34	12.30			14	0
5	QPSK	1	12	12.31	12.31	12.28				
5	QPSK	1	24	12.12	12.09	12.27				
5	QPSK	12	0	12.34	12.31	12.25			14	0
5	QPSK	12	7	12.22	12.12	12.21				
5	QPSK	12	13	12.18	12.30	12.21				
5	QPSK	25	0	12.27	12.32	12.22			14	0
5	16QAM	1	0	12.24	12.29	12.19				
5	16QAM	1	12	12.13	12.11	12.17				
5	16QAM	1	24	12.38	12.28	12.22			14	0
5	16QAM	12	0	12.29	12.30	12.30				
5	16QAM	12	7	12.06	12.18	12.11				
5	16QAM	12	13	12.38	12.30	12.35			14	0
5	16QAM	25	0	12.30	12.30	12.23				
5	84QAM	1	0	12.18	12.24	12.13				
5	84QAM	1	12	12.38	12.34	12.30			14	0
5	84QAM	1	24	12.20	12.45	12.21				
5	84QAM	12	0	12.18	12.09	12.21				
5	84QAM	12	7	12.30	12.28	12.28			14	0
5	84QAM	12	13	12.19	12.32	12.18				
5	84QAM	25	0	12.08	12.04	12.21				
Channel							Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)										
3	QPSK	1	0	12.51	12.50	12.55			14	0
3	QPSK	1	8	12.25	12.37	12.11				
3	QPSK	1	14	12.12	12.12	12.28				
3	QPSK	8	0	12.36	12.36	12.34			14	0
3	QPSK	8	4	12.15	12.34	12.29				
3	QPSK	8	7	12.15	12.14	12.33				
3	QPSK	15	0	12.26	12.27	12.37			14	0
3	16QAM	1	0	12.24	12.43	12.12				
3	16QAM	1	8	12.01	12.20	12.06				
3	16QAM	1	14	12.37	12.40	12.25			14	0
3	16QAM	8	0	12.20	12.39	12.15				
3	16QAM	8	4	12.12	12.27	12.21				
3	16QAM	8	7	12.40	12.31	12.22			14	0
3	16QAM	15	0	12.29	12.27	12.34				
3	84QAM	1	0	12.11	12.18	12.26				
3	84QAM	1	8	12.44	12.37	12.36			14	0
3	84QAM	1	14	12.22	12.35	12.25				
3	84QAM	8	0	12.16	12.16	12.24				
3	84QAM	8	4	12.33	12.30	12.33			14	0
3	84QAM	8	7	12.14	12.28	12.18				
3	84QAM	15	0	12.05	12.20	12.15				
Channel							Tune-up limit (dbm)	MPR (db)		
Frequency (MHz)										
1.4	QPSK	1	0	12.42	12.39	12.30			14	0
1.4	QPSK	1	0	12.32	12.32	12.32				
1.4	QPSK	1	5	12.05	12.15	12.28				
1.4	QPSK	3	0	12.24	12.25	12.35			14	0
1.4	QPSK	3	1	12.21	12.22	12.23				
1.4	QPSK	3	3	12.09	12.19	12.18				
1.4	QPSK	6	0	12.30	12.46	12.30			14	0
1.4	16QAM	1	0	12.27	12.31	12.11				
1.4	16QAM	1	3	12.04	12.08	12.17				
1.4	16QAM	1	5	12.40	12.31	12.32			14	0
1.4	16QAM	3	0	12.30	12.32	12.32				
1.4	16QAM	3	1	12.15	12.25	12.21				
1.4	16QAM	3	3	12.36	12.36	12.35			14	0
1.4	84QAM	1	0	12.23	12.28	12.28				
1.4	84QAM	1	0	12.04	12.18	12.18				
1.4	84QAM	1	3	12.35	12.43	12.27			14	0
1.4	84QAM	1	5	12.26	12.33	12.28				
1.4	84QAM	3	0	12.05	12.18	12.08				
1.4	84QAM	3	1	12.34	12.33	12.33			14	0
1.4	84QAM	3	3	12.26	12.31	12.30				
1.4	84QAM	6	0	12.11	12.23	12.29				

Band 7 Ant 1 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20550	21100	21550	2510	2535	2560
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	15.71	15.83	15.80	17	0	
20	QPSK	1	49	15.59	15.64	15.62			
20	QPSK	1	99	15.61	15.68	15.58			
20	QPSK	50	0	15.65	15.81	15.80			
20	QPSK	50	24	15.61	15.71	15.81	17	0	
20	QPSK	50	50	15.63	15.68	15.60			
20	QPSK	100	0	15.68	15.90	15.72			
20	16QAM	1	0	15.62	15.63	15.68			
20	16QAM	1	49	15.56	15.73	15.63	17	0	
20	16QAM	1	99	15.73	15.62	15.74			
20	16QAM	50	0	15.55	15.62	15.63			
20	16QAM	50	24	15.58	15.69	15.58			
20	16QAM	50	50	15.63	15.76	15.73	17	0	
20	16QAM	100	0	15.55	15.67	15.64			
20	64QAM	1	0	15.62	15.66	15.58			
20	64QAM	1	49	15.64	15.79	15.73			
20	64QAM	1	99	15.57	15.67	15.63	17	0	
20	64QAM	50	0	15.57	15.69	15.66			
20	64QAM	50	24	15.63	15.70	15.78			
20	64QAM	50	50	15.58	15.68	15.64			
20	64QAM	100	0	15.65	15.75	15.64	20825	21100	21375
Channel				20825	21100	21375			
Frequency (MHz)				2507.5	2535	2562.5	17	0	
15	QPSK	1	0	15.70	15.74	15.71			
15	QPSK	1	37	15.57	15.57	15.55	17	0	
15	QPSK	1	74	15.56	15.64	15.56			
15	QPSK	36	0	15.56	15.77	15.77			
15	QPSK	36	20	15.54	15.60	15.59			
15	QPSK	36	39	15.53	15.65	15.53	17	0	
15	QPSK	75	0	15.60	15.79	15.65			
15	16QAM	1	0	15.61	15.54	15.85			
15	16QAM	1	37	15.53	15.70	15.62			
15	16QAM	1	74	15.68	15.72	15.71	17	0	
15	16QAM	36	0	15.45	15.60	15.60			
15	16QAM	36	20	15.52	15.65	15.53			
15	16QAM	36	39	15.56	15.78	15.64			
15	16QAM	75	0	15.62	15.56	15.60	17	0	
15	16QAM	1	0	15.60	15.62	15.54			
15	84QAM	1	37	15.59	15.64	15.62			
15	84QAM	1	74	15.49	15.56	15.57			
15	84QAM	36	0	15.48	15.68	15.56	17	0	
15	84QAM	36	20	15.60	15.62	15.72			
15	84QAM	36	39	15.56	15.66	15.63			
15	84QAM	75	0	15.64	15.65	15.60			
Channel				20900	21100	21400	2505	2535	2565
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	15.68	15.76	15.72	17	0	
10	QPSK	1	25	15.55	15.60	15.52			
10	QPSK	1	49	15.52	15.65	15.51			
10	QPSK	25	0	15.61	15.74	15.71			
10	QPSK	25	12	15.51	15.61	15.59	17	0	
10	QPSK	25	25	15.56	15.63	15.55			
10	QPSK	50	0	15.60	15.77	15.63			
10	16QAM	1	0	15.52	15.61	15.63			
10	16QAM	1	25	15.47	15.71	15.54	17	0	
10	16QAM	1	49	15.65	15.75	15.68			
10	16QAM	25	0	15.51	15.54	15.54			
10	16QAM	25	12	15.49	15.61	15.52			
10	16QAM	25	25	15.58	15.60	15.67	17	0	
10	16QAM	50	0	15.46	15.57	15.54			
10	64QAM	1	0	15.53	15.64	15.54			
10	64QAM	1	25	15.62	15.81	15.69			
10	64QAM	1	49	15.53	15.57	15.60	17	0	
10	64QAM	25	0	15.52	15.61	15.55			
10	84QAM	25	12	15.54	15.75	15.70			
10	84QAM	25	25	15.50	15.64	15.56			
10	84QAM	50	0	15.64	15.68	15.60	20775	21100	21425
Channel				20775	21100	21425			
Frequency (MHz)				2502.5	2535	2567.5	17	0	
5	QPSK	1	0	15.65	15.77	15.77			
5	QPSK	1	12	15.53	15.62	15.54	17	0	
5	QPSK	1	24	15.59	15.62	15.48			
5	QPSK	12	0	15.60	15.74	15.75			
5	QPSK	12	7	15.52	15.63	15.60			
5	QPSK	12	13	15.59	15.61	15.57	17	0	
5	QPSK	25	0	15.66	15.78	15.66			
5	16QAM	1	0	15.57	15.61	15.66			
5	16QAM	1	12	15.49	15.63	15.58			
5	16QAM	1	24	15.71	15.71	15.70	17	0	
5	16QAM	12	0	15.44	15.58	15.57			
5	16QAM	12	7	15.54	15.64	15.54			
5	16QAM	12	13	15.60	15.79	15.71			
5	16QAM	25	0	15.48	15.60	15.63	17	0	
5	84QAM	1	0	15.60	15.64	15.49			
5	84QAM	1	12	15.62	15.79	15.68			
5	84QAM	1	24	15.54	15.56	15.59			
5	84QAM	12	0	15.49	15.62	15.60	17	0	
5	84QAM	12	7	15.60	15.80	15.73			
5	84QAM	12	13	15.57	15.59	15.52			
5	84QAM	25	0	15.62	15.64	15.59			

Band 30 Ant 1 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)	
Channel				27650	27710	27735	2307.5	2310	2312.5
Frequency (MHz)				2307.5	2310	2312.5			
10	QPSK	1	0		17.34		18.5	0	
10	QPSK	1	25		17.08				
10	QPSK	1	49		17.11				
10	QPSK	25	0		17.22				
10	QPSK	25	12		17.11		18.5	0	
10	QPSK	25	25		17.19				
10	QPSK	50	0		17.23				
10	16QAM	1	0		17.14				
10	16QAM	1	25		17.19		18.5	0	
10	16QAM	1	49		17.29				
10	16QAM	25	0		17.12				
10	16QAM	25	12		17.19				
10	16QAM	25	25		17.28		18.5	0	
10	16QAM	50	0		17.09				
10	64QAM	1	0		17.22				
10	64QAM	1	25		17.25				
10	64QAM	1	49		17.11		18.5	0	
10	64QAM	25	0		17.09				
10	64QAM	25	12		17.29				
10	64QAM	25	25		17.13				
10	64QAM	50	0		17.11		27655	27710	27735
Channel				27655	27710	27735			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	17.20	17.16	17.19	18.5	0	
5	QPSK	1	12	17.09	16.92	17.01			
5	QPSK	1	24	17.02	17.06	17.05			
5	QPSK	12	0	17.17	17.20	17.18			
5	QPSK	12	7	16.99	16.92	17.01	18.5	0	
5	QPSK	12	13	17.09	17.03	16.98			
5	QPSK	25	0	17.19	17.17	17.27			
5	16QAM	1	0	17.03	17.01	16.96			
5	16QAM	1	12	17.05	17.12	17.11	18.5	0	
5	16QAM	1	24	17.17	17.08	17.20			
5	16QAM	12	0	17.06	16.94	17.05	18.5	0	
5	16QAM	12	7	17.00	17.11	17.11			
5	16QAM	12	13	17.20	17.09	17.22			
5	16QAM	25	0	17.04	16.99	17.07			
5	64QAM	1	0	17.07	17.04	17.04	18.5	0	
5	64QAM	1	12	17.12	17.19	17.24			
5	64QAM	1	24	17.02	17.06	17.00			
5	64QAM	12	0	17.05	17.13	17.12			
5	64QAM	12	7	17.25	17.18	17.21	18.5	0	
5	64QAM	12	13	16.96	17.04	16.95			
5	64QAM	25	0	17.08	17.15	17.08			

Band 2 Ant 4 NSA DSI3												
BW (MHz)	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	15.98	16.14	16.11			17	0		
20	QPSK	1	49	15.88	15.93	15.85						
20	QPSK	1	99	15.86	15.85	15.84						
20	QPSK	50	0	15.89	16.10	15.96						
20	QPSK	50	24	15.90	15.93	15.83			17	0		
20	QPSK	50	50	15.78	15.93	15.73						
20	QPSK	100	0	15.98	16.10	15.98						
20	16QAM	1	0	15.81	15.99	15.79						
20	16QAM	1	49	15.76	15.90	15.80			17	0		
20	16QAM	1	99	15.98	16.10	16.01						
20	16QAM	50	0	15.83	15.96	15.78						
20	16QAM	50	24	15.75	15.91	15.83						
20	16QAM	50	50	15.99	16.10	16.03			17	0		
20	16QAM	100	0	15.75	15.93	15.77						
20	64QAM	1	0	15.75	15.89	15.75						
20	64QAM	1	49	15.95	16.12	15.95						
20	64QAM	1	99	15.77	15.99	15.80			17	0		
20	64QAM	50	0	15.75	15.90	15.77						
20	64QAM	50	24	15.93	16.11	15.95						
20	64QAM	50	50	15.76	15.99	15.80						
20	64QAM	100	0	15.83	15.89	15.75			17	0		
Channel												
Frequency (MHz)												
				18675	18900	19125			Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	15.83	16.09	16.02						
15	QPSK	1	37	15.74	15.87	15.68			17	0		
15	QPSK	1	74	15.78	15.84	15.73						
15	QPSK	36	0	15.88	16.08	15.93						
15	QPSK	36	20	15.74	15.98	15.76						
15	QPSK	36	39	15.77	15.84	15.64			17	0		
15	QPSK	75	0	15.97	16.09	15.95						
15	16QAM	1	0	15.78	15.99	15.71						
15	16QAM	1	37	15.68	15.86	15.75						
15	16QAM	1	74	15.91	16.08	15.99			17	0		
15	16QAM	36	0	15.73	15.87	15.76						
15	16QAM	36	20	15.70	15.89	15.82						
15	16QAM	36	39	15.94	16.09	15.97						
15	16QAM	75	0	15.73	15.88	15.75			17	0		
15	64QAM	1	0	15.65	15.81	15.66						
15	64QAM	1	37	15.92	16.06	15.87						
15	64QAM	1	74	15.69	15.93	15.74						
15	64QAM	36	0	15.69	15.80	15.70			17	0		
15	64QAM	36	20	15.93	16.08	15.87						
15	64QAM	36	39	15.68	15.83	15.76						
15	64QAM	75	0	15.75	15.84	15.73						
Channel												
Frequency (MHz)												
				18650	18900	19150			Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	0	15.83	16.07	15.93						
10	QPSK	1	25	15.71	15.86	15.66			17	0		
10	QPSK	1	49	15.72	15.76	15.71						
10	QPSK	25	0	15.89	16.07	15.89						
10	QPSK	25	12	15.78	16.01	15.77						
10	QPSK	25	25	15.77	15.93	15.66			17	0		
10	QPSK	50	0	15.97	16.07	15.94						
10	16QAM	1	0	15.80	15.98	15.72						
10	16QAM	1	25	15.76	15.83	15.78						
10	16QAM	1	49	15.94	16.06	16.00			17	0		
10	16QAM	25	0	15.78	15.80	15.73						
10	16QAM	25	12	15.70	15.83	15.74						
10	16QAM	25	25	15.93	16.08	15.93						
10	16QAM	50	0	15.70	15.84	15.68			17	0		
10	64QAM	1	0	15.67	15.80	15.68						
10	64QAM	1	25	15.93	16.02	15.94						
10	64QAM	1	49	15.69	15.86	15.77						
10	64QAM	25	0	15.70	15.85	15.77			17	0		
10	64QAM	25	12	15.90	16.12	15.87						
10	64QAM	25	25	15.74	15.99	15.71						
10	64QAM	50	0	15.81	15.83	15.73						
Channel												
Frequency (MHz)												
				18625	18900	19175			Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	15.80	16.08	15.99						
5	QPSK	1	12	15.69	15.80	15.68			17	0		
5	QPSK	1	24	15.76	15.80	15.72						
5	QPSK	12	0	15.87	16.03	15.87						
5	QPSK	12	7	15.75	15.97	15.75						
5	QPSK	12	13	15.76	15.87	15.64			17	0		
5	QPSK	25	0	15.98	16.04	15.94						
5	16QAM	1	0	15.74	15.97	15.78						
5	16QAM	1	12	15.69	15.82	15.73						
5	16QAM	1	24	15.90	16.10	15.87			17	0		
5	16QAM	12	0	15.79	15.94	15.76						
5	16QAM	12	7	15.74	15.89	15.74						
5	16QAM	12	13	15.96	16.07	16.01						
5	16QAM	25	0	15.70	15.85	15.68			17	0		
5	64QAM	1	0	15.65	15.82	15.70						
5	64QAM	1	12	15.90	16.10	15.87						
5	64QAM	1	24	15.74	15.90	15.72						
5	64QAM	12	0	15.70	15.83	15.70			17	0		
5	64QAM	12	7	15.85	16.07	15.87						
5	64QAM	12	13	15.98	16.04	15.65						
5	64QAM	25	0	15.81	15.88	15.74						
Channel												
Frequency (MHz)												
				18515	18800	19085			Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	15.80	16.05	15.92						
3	QPSK	1	8	15.71	15.92	15.74			17	0		
3	QPSK	1	14	15.76	15.84	15.68						
3	QPSK	8	0	15.83	16.08	15.87						
3	QPSK	8	4	15.79	15.85	15.82						
3	QPSK	8	7	15.72	15.85	15.71			17	0		
3	QPSK	15	0	15.91	16.06	15.95						
3	16QAM	1	0	15.79	15.91	15.72						
3	16QAM	1	8	15.66	15.88	15.70						
3	16QAM	1	14	15.94	16.05	15.93			17	0		
3	16QAM	8	0	15.78	15.92	15.78						
3	16QAM	8	4	15.69	15.85	15.77						
3	16QAM	8	7	15.97	16.00	16.02						
3	16QAM	15	0	15.67	15.93	15.71			17	0		
3	64QAM	1	0	15.66	15.81	15.74						
3	64QAM	1	8	15.91	16.03	15.87						
3	64QAM	1	14	15.74	15.90	15.78						
3	64QAM	8	0	15.74	15.81	15.73			17	0		
3	64QAM	8	4	15.91	16.07	15.93						
3	64QAM	8	7	15.73	15.99	15.76						
3	64QAM	15	0	15.75	15.87	15.74						
Channel												
Frequency (MHz)												
				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	15.87	16.08	15.95						
1.4	QPSK	1	3	15.77	15.89	15.74			17	0		
1.4	QPSK	1	5	15.78	15.81	15.66						
1.4	QPSK	3	0	15.87	16.03	15.81						
1.4	QPSK	3	1	15.80	16.00	15.74						
1.4	QPSK	3	3	15.77	15.84	15.64			17	0		
1.4	QPSK	6	0	15.89	16.09	15.90						
1.4	16QAM	1	0	15.77	15.85	15.74						
1.4	16QAM	1	3	15.69	15.87	15.74						
1.4	16QAM	1	5	15.91	16.05	15.94			17	0		
1.4	16QAM	3	0	15.77	15.89	15.71						
1.4	16QAM	3	1	15.67	15.81	15.77						
1.4	16QAM	3	3	15.98	16.01	16.02						
1.4	16QAM	6	0	15.72	15.82	15.76			17	0		
1.4	64QAM	1	0	15.73	15.87	15.74						
1.4	64QAM	1	3	15.86	16.07	15.95			17	0		
1.4	64QAM	1	5	15.71	15.94	15.73						
1.4	64QAM	3	0	15.69	15.81	15.75						
1.4	64QAM	3	1	15.86	16.01	15.85						
1.4	64QAM	3	3	15.71	15.98	15.72			17	0		
1.4	64QAM	6	0	15.74	15.80	15.66						

Band 7 ENDC Ant 4 NSA DSI3											
BW [MHz]	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)				20650	21100	21350					
20	QPSK	1	0	15.20	15.44	15.13	16.5	0			
20	QPSK	1	49	15.08	15.31	15.04					
20	QPSK	1	99	15.12	15.29	15.02					
20	QPSK	50	0	15.23	15.42	15.08	16.5	0			
20	QPSK	50	24	15.06	15.30	15.00					
20	QPSK	50	50	15.13	15.31	15.03					
20	QPSK	100	0	15.22	15.25	15.10	16.5	0			
20	16QAM	1	0	15.05	15.36	15.02					
20	16QAM	1	49	15.12	15.31	15.04					
20	16QAM	1	99	15.18	15.29	15.09	16.5	0			
20	16QAM	50	0	15.12	15.34	15.00					
20	16QAM	50	24	15.08	15.31	15.03					
20	16QAM	50	50	15.30	15.31	15.08	16.5	0			
20	16QAM	100	0	15.09	15.37	15.07					
20	64QAM	1	0	15.10	15.28	15.07					
20	64QAM	1	49	15.26	15.41	15.11	16.5	0			
20	64QAM	1	99	15.10	15.31	15.08					
20	64QAM	50	0	15.06	15.29	15.04					
20	64QAM	50	24	15.29	15.38	15.13	16.5	0			
20	64QAM	50	50	15.09	15.37	15.00					
20	64QAM	100	0	15.12	15.25	15.07					
Channel											
Frequency (MHz)				20825 <th>21100<th>21375</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	21100 <th>21375</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21375			Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	15.17	15.41	15.11	16.5	0			
15	QPSK	1	37	15.05	15.29	15.04					
15	QPSK	1	74	15.08	15.25	15.02					
15	QPSK	36	0	15.19	15.41	15.07	16.5	0			
15	QPSK	36	20	15.05	15.26	15.01					
15	QPSK	36	39	15.11	15.19	15.08					
15	QPSK	75	0	15.23	15.25	15.14	16.5	0			
15	16QAM	1	0	15.01	15.32	15.01					
15	16QAM	1	37	15.07	15.28	15.04					
15	16QAM	1	74	15.26	15.29	15.09	16.5	0			
15	16QAM	36	0	15.09	15.33	15.01					
15	16QAM	36	20	15.06	15.29	15.04					
15	16QAM	36	39	15.27	15.41	15.09	16.5	0			
15	16QAM	75	0	15.08	15.36	15.07					
15	64QAM	1	0	15.07	15.25	15.07					
15	64QAM	1	37	15.24	15.39	15.11	16.5	0			
15	64QAM	1	74	15.08	15.28	15.10					
15	64QAM	36	0	15.01	15.26	15.03					
15	64QAM	36	20	15.27	15.36	15.14	16.5	0			
15	64QAM	36	39	15.05	15.33	15.00					
15	64QAM	75	0	15.09	15.22	15.06					
Channel											
Frequency (MHz)				20800 <th>21100<th>21400</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	21100 <th>21400</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21400			Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	15.19	15.39	15.12	16.5	0			
10	QPSK	1	25	15.03	15.29	15.04					
10	QPSK	1	49	15.09	15.28	15.02					
10	QPSK	25	0	15.18	15.39	15.08	16.5	0			
10	QPSK	25	12	15.06	15.27	15.01					
10	QPSK	25	25	15.08	15.21	15.10					
10	QPSK	50	0	15.21	15.20	15.14	16.5	0			
10	16QAM	1	0	15.03	15.33	15.01					
10	16QAM	1	25	15.09	15.29	15.03					
10	16QAM	1	49	15.24	15.23	15.10	16.5	0			
10	16QAM	25	0	15.09	15.30	15.00					
10	16QAM	25	12	15.06	15.29	15.02					
10	16QAM	25	25	15.27	15.41	15.08	16.5	0			
10	16QAM	50	0	15.05	15.36	15.06					
10	64QAM	1	0	15.09	15.25	15.06					
10	64QAM	1	25	15.25	15.38	15.09	16.5	0			
10	64QAM	1	49	15.07	15.30	15.10					
10	64QAM	25	0	15.02	15.27	15.04					
10	64QAM	25	12	15.26	15.34	15.13	16.5	0			
10	64QAM	25	25	15.05	15.35	15.00					
10	64QAM	50	0	15.10	15.21	15.08					
Channel											
Frequency (MHz)				20975 <th>21325<th>21675</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	21325 <th>21675</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	21675			Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	15.17	15.42	15.12	16.5	0			
5	QPSK	1	12	15.05	15.28	15.05					
5	QPSK	1	24	15.10	15.27	15.02					
5	QPSK	12	0	15.22	15.40	15.07	16.5	0			
5	QPSK	12	7	15.06	15.27	15.01					
5	QPSK	12	13	15.11	15.19	15.08					
5	QPSK	25	0	15.21	15.21	15.13	16.5	0			
5	16QAM	1	0	15.02	15.32	15.00					
5	16QAM	1	12	15.07	15.29	15.03					
5	16QAM	1	24	15.24	15.24	15.09	16.5	0			
5	16QAM	12	0	15.09	15.32	15.00					
5	16QAM	12	7	15.03	15.29	15.02					
5	16QAM	12	13	15.28	15.42	15.08	16.5	0			
5	16QAM	25	0	15.07	15.34	15.07					
5	64QAM	1	0	15.07	15.24	15.07					
5	64QAM	1	12	15.24	15.39	15.11	16.5	0			
5	64QAM	1	24	15.08	15.28	15.10					
5	64QAM	12	0	15.01	15.26	15.03					
5	64QAM	12	7	15.28	15.35	15.15	16.5	0			
5	64QAM	12	13	15.05	15.32	15.19					
5	64QAM	25	0	15.11	15.21	15.07					

Band 25 Ant 4 NSA DSI3									
BW [MHz]	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	15.74	15.76	15.70	17	0	
20	QPSK	1	49	15.60	15.64	15.55			
20	QPSK	1	99	15.53	15.61	15.50			
20	QPSK	50	0	15.72	15.77	15.70			
20	QPSK	50	24	15.60	15.67	15.54	17	0	
20	QPSK	50	24	15.50	15.56	15.50			
20	QPSK	100	0	15.74	15.77	15.71			
20	16QAM	1	0	15.64	15.67	15.51	17	0	
20	16QAM	1	49	15.54	15.60	15.54			
20	16QAM	1	99	15.69	15.75	15.70			
20	16QAM	50	0	15.61	15.65	15.59			
20	16QAM	50	24	15.50	15.54	15.51	17	0	
20	16QAM	50	50	15.74	15.77	15.69			
20	16QAM	100	0	15.55	15.66	15.52			
20	84QAM	1	0	15.54	15.59	15.51	17	0	
20	84QAM	1	49	15.50	15.74	15.71			
20	84QAM	1	99	15.62	15.52	15.51			
20	84QAM	50	0	15.51	15.54	15.53			
20	84QAM	50	24	15.77	15.76	15.69	17	0	
20	84QAM	50	50	15.60	15.63	15.53			
20	84QAM	100	0	15.59	15.60	15.58			
Channel									
Frequency (MHz)				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1607.5	1680	1607.5	17	0	
15	QPSK	1	0	15.69	15.70	15.63			
15	QPSK	1	37	15.50	15.52	15.51			
15	QPSK	1	74	15.59	15.60	15.53			
15	QPSK	36	0	15.57	15.63	15.52	17	0	
15	QPSK	36	20	15.60	15.60	15.52			
15	QPSK	36	39	15.52	15.59	15.57			
15	QPSK	75	0	15.56	15.67	15.62			
15	16QAM	1	0	15.58	15.63	15.53	17	0	
15	16QAM	1	37	15.57	15.63	15.51			
15	16QAM	1	74	15.52	15.59	15.54			
15	16QAM	36	0	15.59	15.63	15.52			
15	16QAM	36	20	15.52	15.60	15.55	17	0	
15	16QAM	36	39	15.61	15.60	15.52			
15	16QAM	75	0	15.57	15.62	15.54			
15	84QAM	1	0	15.58	15.64	15.54			
15	84QAM	1	37	15.53	15.59	15.55	17	0	
15	84QAM	1	74	15.59	15.64	15.53			
15	84QAM	36	0	15.51	15.57	15.54			
15	84QAM	36	20	15.50	15.60	15.52	17	0	
15	84QAM	36	39	15.56	15.62	15.54			
15	84QAM	75	0	15.50	15.57	15.54			
Channel									
Frequency (MHz)				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1910	17	0	
10	QPSK	1	0	15.72	15.66	15.72			
10	QPSK	1	25	15.57	15.63	15.52			
10	QPSK	1	49	15.51	15.60	15.52			
10	QPSK	25	0	15.56	15.61	15.55	17	0	
10	QPSK	25	12	15.51	15.60	15.52			
10	QPSK	25	25	15.58	15.61	15.55			
10	QPSK	50	0	15.69	15.72	15.58			
10	16QAM	1	0	15.50	15.70	15.54	17	0	
10	16QAM	1	25	15.51	15.64	15.54			
10	16QAM	1	49	15.51	15.59	15.55			
10	16QAM	25	0	15.58	15.60	15.53			
10	16QAM	25	12	15.53	15.60	15.53	17	0	
10	16QAM	25	25	15.62	15.67	15.66			
10	16QAM	50	0	15.59	15.73	15.53			
10	84QAM	1	0	15.53	15.57	15.53	17	0	
10	84QAM	1	25	15.71	15.75	15.71			
10	84QAM	1	49	15.57	15.64	15.52			
10	84QAM	25	0	15.50	15.60	15.53			
10	84QAM	25	12	15.65	15.61	15.61	17	0	
10	84QAM	25	25	15.56	15.60	15.51			
10	84QAM	50	0	15.56	15.56	15.56			
Channel									
Frequency (MHz)				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1912.5 <td rowspan="2">17</td> <td rowspan="2">0</td> <td></td>	17	0	
5	QPSK	1	0	15.66	15.66	15.60			
5	QPSK	1	12	15.58	15.59	15.60			
5	QPSK	1	24	15.59	15.61	15.54			
5	QPSK	12	0	15.52	15.57	15.51	17	0	
5	QPSK	12	7	15.57	15.62	15.53			
5	QPSK	12	13	15.53	15.58	15.51			
5	QPSK	25	0	15.64	15.64	15.58			
5	16QAM	1	0	15.55	15.69	15.53	17	0	
5	16QAM	1	12	15.58	15.63	15.52			
5	16QAM	1	24	15.56	15.58	15.53			
5	16QAM	12	0	15.60	15.60	15.53	17	0	
5	16QAM	12	7	15.52	15.60	15.55			
5	16QAM	12	13	15.64	15.63	15.59			
5	16QAM	25	0	15.59	15.61	15.53			
5	84QAM	1	0	15.51	15.60	15.54	17	0	
5	84QAM	1	12	15.56	15.58	15.52			
5	84QAM	1	24	15.58	15.63	15.55			
5	84QAM	12	0	15.51	15.61	15.52			
5	84QAM	12	7	15.63	15.69	15.72	17	0	
5	84QAM	12	13	15.56	15.62	15.53			
5	84QAM	25	0	15.56	15.58	15.55			
Channel									
Frequency (MHz)				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1860	1913.5 <td rowspan="2">17</td> <td rowspan="2">0</td> <td></td>	17	0	
3	QPSK	1	0	15.58	15.62	15.55			
3	QPSK	1	8	15.50	15.59	15.54			
3	QPSK	1	14	15.54	15.54	15.54			
3	QPSK	8	0	15.64	15.64	15.66	17	0	
3	QPSK	8	4	15.57	15.61	15.53			
3	QPSK	8	7	15.51	15.58	15.52			
3	QPSK	15	0	15.75	15.71	15.64			
3	16QAM	1	0	15.56	15.53	15.52	17	0	
3	16QAM	1	8	15.58	15.60	15.53			
3	16QAM	1	14	15.51	15.58	15.51			
3	16QAM	8	0	15.57	15.64	15.52	17	0	
3	16QAM	8	4	15.53	15.53	15.54			
3	16QAM	8	7	15.65	15.74	15.55			
3	16QAM	15	0	15.60	15.64	15.54			
3	84QAM	1	0	15.50	15.60	15.54			
3	84QAM	1	8	15.63	15.72	15.60			
3	84QAM	1	14	15.50	15.56	15.55	17	0	
3	84QAM	8	0	15.58	15.63	15.54			
3	84QAM	8	4	15.52	15.60	15.53			
3	84QAM	8	7	15.58	15.60	15.53	17	0	
3	84QAM	15	0	15.57	15.59	15.58			
Channel									
Frequency (MHz)				1850.7	1860	1914.3 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	15.59	15.63	15.53	17	0	
1.4	QPSK	1	0	15.52	15.52	15.52			
1.4	QPSK	1	5	15.58	15.62	15.53			
1.4	QPSK	3	0	15.51	15.57	15.53			
1.4	QPSK	3	1	15.65	15.53	15.56			
1.4	QPSK	3	3	15.52	15.62	15.54			
1.4	QPSK	6	0	15.58	15.76	15.73			
1.4	16QAM	1	0	15.60	15.62	15.53	17	0	
1.4	16QAM	1	3	15.52	15.59	15.53			
1.4	16QAM	1	5	15.60	15.63	15.52			
1.4	16QAM	3	0	15.51	15.60	15.51			
1.4	16QAM	3	1	15.52	15.58	15.55	17	0	
1.4	16QAM	3	3	15.56	15.66	15.58			
1.4	16QAM	6	0	15.59	15.68	15.59			
1.4	84QAM	1	0	15.51	15.58	15.54			
1.4	84QAM	1	3	15.58	15.77	15.66			
1.4	84QAM	1	5	15.58	15.63	15.51	17	0	
1.4	84QAM	3	0	15.51	15.61	15.53			
1.4	84QAM	3	1	15.59	15.66	15.58			
1.4	84QAM	3	3	15.58	15.64	15.55			
1.4	84QAM	6	0	15.50	15.57	15.54			

Band 30 ENDC Ant 4 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					27710	2310			
Frequency (MHz)									
10	QPSK	1	0		14.37		16	0	
10	QPSK	1	25		14.12				
10	QPSK	1	49		14.26				
10	QPSK	25	0		14.05				
10	QPSK	25	12		14.02		16	0	
10	QPSK	25	25		14.01				
10	QPSK	50	0		14.10				
10	16QAM	1	0		14.30				
10	16QAM	1	25		14.29		16	0	
10	16QAM	1	49		14.20				
10	16QAM	25	0		14.15				
10	16QAM	25	12		14.13				
10	16QAM	25	25		14.16		16	0	
10	16QAM	50	0		14.05				
10	64QAM	1	0		14.10				
10	64QAM	1	25		14.29				
10	64QAM	1	49		14.35		16	0	
10	64QAM	25	0		14.02				
10	64QAM	25	12		14.16				
10	64QAM	25	25		14.22				
10	64QAM	50	0		14.09		16	0	
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	14.04	14.09	14.02	16	0	
5	QPSK	1	12	14.03	14.05	14.10			
5	QPSK	1	24	14.06	14.07	14.07			
5	QPSK	12	0	14.07	14.06	14.02			
5	QPSK	12	7	14.02	14.07	14.07	16	0	
5	QPSK	12	13	14.03	14.03	14.05			
5	QPSK	25	0	14.10	14.11	14.04			
5	16QAM	1	0	14.04	14.02	14.12			
5	16QAM	1	12	14.12	14.03	14.06	16	0	
5	16QAM	1	24	14.02	14.05	14.04			
5	16QAM	12	0	14.04	14.04	14.16			
5	16QAM	12	7	14.12	14.06	14.10			
5	16QAM	12	13	14.11	14.08	14.01	16	0	
5	16QAM	25	0	14.07	14.06	14.06			
5	64QAM	1	0	14.05	14.04	14.09			
5	64QAM	1	12	14.04	14.07	14.03			
5	64QAM	1	24	14.05	14.04	14.11	16	0	
5	64QAM	12	0	14.05	14.02	14.12			
5	64QAM	12	7	14.02	14.03	14.10			
5	64QAM	12	13	14.04	14.04	14.09			
5	64QAM	25	0	14.09	14.05	14.07			

Band 66 NSA Ant 4 DSI3									
BW [MHz]	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	18.23	18.25	18.05	19.5	0	
20	QPSK	1	49	18.19	18.14	18.12			
20	QPSK	1	99	18.06	18.18	18.16			
20	QPSK	50	0	18.25	18.27	18.06			
20	QPSK	50	24	18.19	18.14	18.09	19.5	0	
20	QPSK	50	50	18.06	18.15	18.14			
20	QPSK	100	0	18.19	18.25	18.13			
20	16QAM	1	0	18.17	18.15	18.13			
20	16QAM	1	49	18.06	18.19	18.15	19.5	0	
20	16QAM	1	99	18.17	18.22	18.11			
20	16QAM	50	0	18.18	18.14	18.11			
20	16QAM	50	24	18.06	18.15	18.13			
20	16QAM	50	50	18.17	18.20	18.06	19.5	0	
20	16QAM	100	0	18.18	18.15	18.10			
20	64QAM	1	0	18.05	18.16	18.14			
20	64QAM	1	49	18.19	18.13	18.10			
20	64QAM	1	99	18.06	18.18	18.15	19.5	0	
20	64QAM	50	0	18.11	18.07	18.07			
20	64QAM	50	24	18.22	18.26	18.06			
20	64QAM	50	50	18.17	18.14	18.11			
20	64QAM	100	0	18.03	18.17	18.15	19.5	0	
Channel				132047	132322	132597			
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	18.11	18.15	18.09	19.5	0	
15	QPSK	1	37	18.05	18.17	18.16			
15	QPSK	1	74	18.13	18.11	18.11			
15	QPSK	36	0	18.06	18.19	18.15			
15	QPSK	36	20	18.12	18.12	18.09	19.5	0	
15	QPSK	36	39	18.03	18.18	18.14			
15	QPSK	75	0	18.13	18.20	18.12			
15	16QAM	1	0	18.13	18.12	18.13			
15	16QAM	1	37	18.05	18.17	18.14	19.5	0	
15	16QAM	1	74	18.18	18.21	18.05			
15	16QAM	36	0	18.13	18.15	18.10			
15	16QAM	36	20	18.03	18.18	18.16			
15	16QAM	36	39	18.15	18.22	18.01	19.5	0	
15	16QAM	75	0	18.12	18.12	18.11			
15	64QAM	1	0	18.04	18.17	18.17			
15	64QAM	1	37	18.07	18.16	18.07			
15	64QAM	1	74	18.13	18.14	18.13	19.5	0	
15	64QAM	36	0	18.04	18.15	18.14			
15	64QAM	36	20	18.16	18.26	18.10			
15	64QAM	36	39	18.11	18.12	18.13			
15	64QAM	75	0	18.04	18.16	18.17	19.5	0	
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	18.18	18.26	18.06	19.5	0	
10	QPSK	1	25	18.10	18.15	18.10			
10	QPSK	1	49	18.05	18.17	18.17			
10	QPSK	25	0	18.18	18.26	18.01			
10	QPSK	25	12	18.12	18.15	18.12	19.5	0	
10	QPSK	25	25	18.05	18.19	18.15			
10	QPSK	50	0	18.19	18.26	18.07			
10	16QAM	1	0	18.12	18.13	18.09			
10	16QAM	1	25	18.03	18.17	18.14	19.5	0	
10	16QAM	1	49	18.16	18.19	18.07			
10	16QAM	25	0	18.12	18.13	18.12			
10	16QAM	25	12	18.04	18.16	18.15			
10	16QAM	25	25	18.13	18.16	18.01	19.5	0	
10	16QAM	50	0	18.12	18.13	18.11			
10	64QAM	1	0	18.06	18.18	18.15			
10	64QAM	1	25	18.11	18.21	18.08			
10	64QAM	1	49	18.13	18.12	18.10	19.5	0	
10	64QAM	25	0	18.03	18.16	18.16			
10	64QAM	25	12	18.17	18.23	18.02			
10	64QAM	25	25	18.10	18.15	18.11			
10	64QAM	50	0	18.06	18.17	18.16	19.5	0	
Channel				131987	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	18.24	18.22	18.20	19.5	0	
5	QPSK	1	12	18.14	18.13	18.09			
5	QPSK	1	24	18.05	18.18	18.16			
5	QPSK	12	0	18.21	18.23	18.01			
5	QPSK	12	7	18.11	18.14	18.12	19.5	0	
5	QPSK	12	13	18.06	18.16	18.15			
5	QPSK	25	0	18.18	18.27	18.12			
5	16QAM	1	0	18.14	18.11	18.11			
5	16QAM	1	12	18.06	18.19	18.16	19.5	0	
5	16QAM	1	24	18.17	18.21	18.12			
5	16QAM	12	0	18.12	18.11	18.11			
5	16QAM	12	7	18.03	18.18	18.16			
5	16QAM	12	13	18.18	18.22	18.05	19.5	0	
5	16QAM	25	0	18.11	18.13	18.13			
5	64QAM	1	0	18.05	18.17	18.16			
5	64QAM	1	12	18.11	18.22	18.05			
5	64QAM	1	24	18.10	18.14	18.11	19.5	0	
5	64QAM	12	0	18.04	18.16	18.13			
5	64QAM	12	7	18.22	18.25	18.09			
5	64QAM	12	13	18.14	18.12	18.12	19.5	0	
5	64QAM	25	0	18.06	18.16	18.15	Tune-up limit (dBm) <td>MPR (dB)</td> <td></td>	MPR (dB)	
Channel				131967	132322	132647			
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	18.18	18.23	18.05	19.5	0	
3	QPSK	1	8	18.10	18.12	18.12			
3	QPSK	1	14	18.05	18.16	18.14			
3	QPSK	8	0	18.24	18.25	18.04			
3	QPSK	8	4	18.11	18.13	18.09	19.5	0	
3	QPSK	8	7	18.06	18.15	18.15			
3	QPSK	15	0	18.13	18.19	18.16			
3	16QAM	1	0	18.12	18.15	18.13			
3	16QAM	1	8	18.06	18.16	18.14	19.5	0	
3	16QAM	1	14	18.16	18.16	18.06			
3	16QAM	0	18.11	18.14	18.12				
3	16QAM	8	4	18.05	18.15	18.14			
3	16QAM	8	7	18.20	18.17	18.08	19.5	0	
3	16QAM	15	0	18.11	18.13	18.11			
3	64QAM	1	0	18.04	18.18	18.17			
3	64QAM	1	8	18.11	18.25	18.06			
3	64QAM	1	14	18.10	18.12	18.12	19.5	0	
3	64QAM	8	0	18.05	18.15	18.14			
3	64QAM	8	4	18.16	18.20	18.02			
3	64QAM	8	7	18.13	18.13	18.13			
3	64QAM	15	0	18.06	18.15	18.13	19.5	0	
Channel				131979	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	18.22	18.23	18.00	19.5	0	
1.4	QPSK	1	3	18.14	18.14	18.11			
1.4	QPSK	1	5	18.06	18.15	18.13			
1.4	QPSK	3	0	18.24	18.21	18.05			
1.4	QPSK	3	1	18.13	18.13	18.11	19.5	0	
1.4	QPSK	3	3	18.05	18.16	18.14			
1.4	QPSK	6	0	18.17	18.25	18.01			
1.4	16QAM	1	0	18.12	18.14	18.10			
1.4	16QAM	1	3	18.05	18.17	18.14	19.5	0	
1.4	16QAM	1	5	18.14	18.21	18.07			
1.4	16QAM	3	0	18.14	18.13	18.11			
1.4	16QAM	3	1	18.04	18.17	18.16			
1.4	16QAM	3	3	18.24	18.21	18.14	19.5	0	
1.4	16QAM	6	0	18.11	18.15	18.09			
1.4	64QAM	1	0	18.08	18.04	18.06			
1.4	64QAM	1	3	18.16	18.21	18.09			
1.4	64QAM	1	5	18.11	18.11	18.12	19.5	0	
1.4	64QAM	3	0	18.06	18.16	18.13			
1.4	64QAM	3	3	18.24	18.21	18.10			
1.4	64QAM	3	3	18.13	18.15	18.12			
1.4	64QAM	6	0	18.04	18.18	18.16	19.5	0	

Band 48 Ant 5 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	13.03	13.21	12.99	12.86	14.5	0
20	QPSK	1	49	12.95	12.76	12.93	12.79		
20	QPSK	1	99	12.76	12.72	12.88	12.90		
20	QPSK	50	0	13.00	13.16	12.98	12.83		
20	QPSK	50	24	12.96	12.73	12.96	12.75	14.5	0
20	QPSK	50	50	12.80	12.72	12.71	12.76		
20	QPSK	100	0	13.02	13.16	12.96	12.84		
20	16QAM	1	0	12.99	13.17	13.04	12.79		
20	16QAM	1	49	12.95	12.70	12.96	12.75	14.5	0
20	16QAM	1	99	12.73	12.67	12.72	12.70		
20	16QAM	50	0	13.04	13.16	12.97	12.83		
20	16QAM	50	24	12.98	12.73	12.99	12.74		
20	16QAM	50	50	12.79	12.75	12.71	12.71	14.5	0
20	16QAM	100	0	13.03	13.11	13.01	12.78		
20	64QAM	1	0	12.96	13.16	13.02	12.78		
20	64QAM	1	49	12.94	12.71	12.99	12.70	14.5	0
20	64QAM	1	99	12.76	12.75	12.72	12.78		
20	64QAM	50	0	12.99	13.20	12.97	12.82		
20	64QAM	50	24	12.95	12.71	12.94	12.86		
20	64QAM	50	50	12.81	12.72	12.87	12.74	14.5	0
20	64QAM	100	0	12.97	13.15	13.02	12.77		
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	12.99	13.16	12.95	12.82	14.5	0
15	QPSK	1	37	12.91	12.69	12.90	12.68		
15	QPSK	1	74	12.70	12.68	12.89	12.74		
15	QPSK	36	0	12.95	13.10	12.92	12.79		
15	QPSK	36	20	12.91	12.67	12.89	12.71	14.5	0
15	QPSK	36	39	12.76	12.69	12.65	12.69		
15	QPSK	75	0	12.99	13.10	12.90	12.79		
15	16QAM	1	0	12.92	13.11	12.96	12.75		
15	16QAM	1	37	12.91	12.67	12.90	12.70	14.5	0
15	16QAM	1	74	12.69	12.63	12.66	12.64		
15	16QAM	36	0	12.99	13.11	12.93	12.78		
15	16QAM	36	20	12.95	12.67	12.95	12.68		
15	16QAM	36	39	12.74	12.71	12.68	12.66	14.5	0
15	16QAM	75	0	12.96	13.15	12.96	12.73		
15	64QAM	1	0	12.92	13.12	12.98	12.73		
15	64QAM	1	37	12.88	12.65	12.93	12.66		
15	64QAM	1	74	12.71	12.69	12.68	12.72	14.5	0
15	64QAM	36	0	12.94	13.14	12.90	12.78		
15	64QAM	36	20	12.90	12.67	12.87	12.69		
15	64QAM	36	39	12.75	12.66	12.73	12.68		
15	64QAM	75	0	12.91	13.10	12.98	12.74		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	12.88	13.11	12.89	12.80	14.5	0
10	QPSK	1	25	12.89	12.79	12.80	12.66		
10	QPSK	1	49	12.88	12.89	12.78	12.71		
10	QPSK	25	0	12.94	13.06	12.85	12.74		
10	QPSK	25	12	12.87	12.61	12.84	12.65	14.5	0
10	QPSK	25	25	12.70	12.62	12.65	12.62		
10	QPSK	60	0	12.92	13.07	12.93	12.69		
10	16QAM	1	0	12.94	13.07	12.92	12.71		
10	16QAM	1	25	12.81	12.61	12.86	12.60	14.5	0
10	16QAM	1	49	12.64	12.60	12.67	12.60		
10	16QAM	25	0	12.97	13.10	12.84	12.77		
10	16QAM	25	12	12.85	12.65	12.94	12.66		
10	16QAM	25	25	12.74	12.68	12.66	12.59	14.5	0
10	16QAM	50	0	12.93	13.11	12.91	12.64		
10	64QAM	1	0	12.91	13.02	12.91	12.62		
10	64QAM	1	25	12.82	12.59	12.92	12.64		
10	64QAM	1	49	12.67	12.63	12.62	12.67	14.5	0
10	64QAM	25	0	12.89	13.07	12.83	12.72		
10	64QAM	25	12	12.85	12.63	12.86	12.85		
10	64QAM	25	25	12.66	12.63	12.82	12.59		
10	64QAM	50	0	12.83	13.03	12.93	12.67		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	12.97	13.07	12.91	12.80	14.5	0
5	QPSK	1	12	12.85	12.64	12.78	12.77		
5	QPSK	1	24	12.67	12.79	12.62	12.67		
5	QPSK	12	0	12.92	13.02	12.88	12.77		
5	QPSK	12	7	12.84	12.66	12.84	12.68	14.5	0
5	QPSK	12	13	12.68	12.60	12.84	12.63		
5	QPSK	25	0	12.90	13.03	12.89	12.71		
5	16QAM	1	0	12.93	13.04	12.96	12.66		
5	16QAM	1	12	12.80	12.58	12.87	12.64	14.5	0
5	16QAM	1	24	12.63	12.56	12.67	12.57		
5	16QAM	12	0	12.95	13.06	12.88	12.73		
5	16QAM	12	7	12.84	12.61	12.91	12.61		
5	16QAM	12	13	12.70	12.61	12.58	12.66	14.5	0
5	16QAM	25	0	12.94	13.15	12.89	12.66		
5	64QAM	1	0	12.85	13.08	12.93	12.64		
5	64QAM	1	12	12.80	12.58	12.93	12.63		
5	64QAM	1	24	12.65	12.64	12.66	12.70	14.5	0
5	64QAM	12	0	12.88	13.09	12.88	12.81		
5	64QAM	12	7	12.84	12.95	12.88	12.86		
5	64QAM	12	13	12.88	12.89	12.86	12.84		
5	64QAM	25	0	12.87	13.09	12.89	12.64		

Reduced Power Mode for Handheld on for WWAN

Default				
GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	128	169	251	
Frequency (MHz)	924.2	834.4	848.8	
GSM 1 Tx slot	31.89	32.10	32.05	33.50
GPRS 1 Tx slot	31.88	32.11	31.99	33.50
GPRS 2 Tx slots	30.99	31.24	31.19	32.00
GPRS 3 Tx slots	29.11	29.36	29.20	30.50
GPRS 4 Tx slots	27.80	28.10	28.05	29.00
EDGE 1 Tx slot	26.45	26.49	26.61	27.50
EDGE 2 Tx slots	25.25	25.29	25.38	26.50
EDGE 3 Tx slots	23.10	23.12	23.24	24.50
EDGE 4 Tx slots	21.88	22.03	22.12	23.00

SA DS16				
GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	512	661	810	
Frequency (MHz)	1850.2	1850	1852.8	
GSM 1 Tx slot	28.79	28.83	28.73	30.00
GPRS 1 Tx slot	28.71	28.81	28.71	30.00
GPRS 2 Tx slots	27.85	27.92	27.88	29.00
GPRS 3 Tx slots	25.78	25.88	25.83	27.00
GPRS 4 Tx slots	24.52	24.61	24.60	25.50
EDGE 1 Tx slot	25.22	25.26	25.24	26.50
EDGE 2 Tx slots	23.98	24.06	24.03	25.50
EDGE 3 Tx slots	21.81	21.89	21.87	23.00
EDGE 4 Tx slots	20.35	20.40	20.32	21.50

SA DS16				
GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel	512	661	810	
Frequency (MHz)	1850.2	1850	1852.8	
GSM 1 Tx slot	28.79	28.83	28.73	30.00
GPRS 1 Tx slot	28.71	28.81	28.71	30.00
GPRS 2 Tx slots	27.85	27.92	27.88	29.00
GPRS 3 Tx slots	25.78	25.88	25.83	27.00
GPRS 4 Tx slots	24.52	24.61	24.60	25.50
EDGE 1 Tx slot	25.22	25.26	25.24	26.50
EDGE 2 Tx slots	23.98	24.06	24.03	25.50
EDGE 3 Tx slots	21.81	21.89	21.87	23.00
EDGE 4 Tx slots	20.35	20.40	20.32	21.50

SA DS16				
Default				
Band	WCDMA II_Ant 0			Tune-up Limit (dBm)
Tx Channel	9262	9400	9538	
Rx Channel	9662	9800	9938	
Frequency (MHz)	1852.4	1850	1857.6	
3GPP Rel 99	20.27	20.30	20.21	21.50
3GPP Rel 99	20.29	20.32	20.23	21.50
3GPP Rel 6	19.10	19.23	19.28	20.50
3GPP Rel 6	19.29	19.25	19.15	20.50
3GPP Rel 6	18.62	18.63	18.70	20.00
3GPP Rel 6	18.59	18.82	18.48	20.00
3GPP Rel 6	19.12	19.34	19.15	20.50
3GPP Rel 6	19.14	19.27	19.38	20.50
3GPP Rel 6	18.52	18.83	18.76	20.00
3GPP Rel 6	18.67	18.95	18.58	20.00
3GPP Rel 6	19.07	19.16	18.84	20.50
3GPP Rel 6	17.27	17.09	17.17	18.50
3GPP Rel 6	17.93	18.10	18.04	19.50
3GPP Rel 6	17.09	17.09	17.12	18.50
3GPP Rel 6	19.13	19.50	19.43	20.50
3GPP Rel 7	16.45	16.41	16.48	18.00

SA DS16				
Default				
Band	WCDMA IV_Ant 0			Tune-up Limit (dBm)
Tx Channel	1312	1413	1513	
Rx Channel	1537	1638	1738	
Frequency (MHz)	1712.4	1724	1732.6	
3GPP Rel 99	20.91	20.91	20.82	22.00
3GPP Rel 99	20.90	20.92	20.90	22.00
3GPP Rel 6	19.84	19.90	19.86	21.00
3GPP Rel 6	19.94	20.04	20.00	21.00
3GPP Rel 6	19.39	19.53	19.52	20.50
3GPP Rel 6	19.30	19.67	19.36	20.50
3GPP Rel 6	19.88	20.03	19.87	21.00
3GPP Rel 6	19.90	19.89	20.03	21.00
3GPP Rel 6	19.49	19.46	19.47	20.50
3GPP Rel 6	19.46	19.51	19.30	20.50
3GPP Rel 6	19.72	19.99	19.80	21.00
3GPP Rel 6	18.00	17.87	17.80	19.00
3GPP Rel 6	18.70	18.87	18.86	20.00
3GPP Rel 6	17.86	17.84	17.89	19.00
3GPP Rel 6	19.83	20.06	20.08	21.00
3GPP Rel 7	17.14	17.32	17.27	18.50

SA DS16				
Default				
Band	WCDMA V_Ant 0			Tune-up Limit (dBm)
Tx Channel	4132	4182	4233	
Rx Channel	4357	4407	4458	
Frequency (MHz)	2182.4	2194	2201.6	
3GPP Rel 99	22.42	22.62	22.55	24.00
3GPP Rel 99	22.43	22.64	22.57	24.00
3GPP Rel 6	21.43	21.60	21.52	23.00
3GPP Rel 6	21.59	21.54	21.50	23.00
3GPP Rel 6	21.00	21.01	21.00	22.50
3GPP Rel 6	20.91	21.18	20.90	22.50
3GPP Rel 6	21.48	21.67	21.40	23.00
3GPP Rel 6	21.47	21.60	21.64	23.00
3GPP Rel 6	20.95	21.15	21.02	22.50
3GPP Rel 6	21.07	21.20	20.91	22.50
3GPP Rel 6	21.39	21.51	21.27	23.00
3GPP Rel 6	19.65	19.47	19.39	21.00
3GPP Rel 6	20.29	20.46	20.47	22.00
3GPP Rel 6	19.46	19.43	19.52	21.00
3GPP Rel 6	21.48	21.76	21.63	23.00
3GPP Rel 7	18.78	18.88	18.88	20.50

Band 2 Ant0 SA DSI6									
BW [MHz]	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)				18820	18920	19020			
20	QPSK	1	0	19.82	19.92	19.90			
20	QPSK	1	49	19.75	19.88	19.71	21.5	0	
20	QPSK	1	99	19.78	19.85	19.78			
20	QPSK	50	0	19.77	19.91	19.79			
20	QPSK	50	24	19.85	19.89	19.72	21.5	0	
20	QPSK	50	50	19.66	19.77	19.76			
20	QPSK	100	0	19.80	19.89	19.88			
20	16QAM	1	0	19.77	19.88	19.72	21.5	0	
20	16QAM	1	49	19.77	19.84	19.68			
20	16QAM	1	99	19.85	19.85	19.80			
20	16QAM	50	0	19.75	19.89	19.73			
20	16QAM	50	24	19.66	19.77	19.73	21.5	0	
20	16QAM	50	50	19.82	19.84	19.84			
20	16QAM	100	0	19.78	19.90	19.73			
20	64QAM	1	0	19.76	19.83	19.78			
20	64QAM	1	49	19.77	19.84	19.77	21.5	0	
20	64QAM	1	99	19.68	19.87	19.82			
20	64QAM	50	0	19.44	19.51	19.47			
20	64QAM	50	24	19.35	19.44	19.29	21	0.5	
20	64QAM	50	50	19.30	19.38	19.32			
20	64QAM	100	0	19.32	19.49	19.41			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	19.77	19.82	19.71	21.5	0	
15	QPSK	1	37	19.68	19.88	19.64			
15	QPSK	1	74	19.65	19.86	19.72			
15	QPSK	36	0	19.74	19.79	19.71	21.5	0	
15	QPSK	36	20	19.77	19.89	19.63			
15	QPSK	36	39	19.60	19.71	19.74			
15	QPSK	75	0	19.73	19.79	19.86			
15	16QAM	1	0	19.67	19.91	19.65	21.5	0	
15	16QAM	1	37	19.66	19.74	19.61			
15	16QAM	1	74	19.78	19.85	19.73			
15	16QAM	36	0	19.72	19.79	19.64	21.5	0	
15	16QAM	36	20	19.50	19.71	19.72			
15	16QAM	36	39	19.75	19.81	19.74			
15	16QAM	75	0	19.78	19.80	19.65			
15	64QAM	1	0	19.72	19.73	19.71	21.5	0	
15	64QAM	1	37	19.70	19.74	19.73			
15	64QAM	1	74	19.62	19.86	19.51			
15	64QAM	36	0	19.35	19.40	19.40			
15	64QAM	36	20	19.18	19.38	19.22	21	0.5	
15	64QAM	36	39	19.16	19.25	19.23			
15	64QAM	75	0	19.22	19.30	19.26			
Channel				18950	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1880	1905			
10	QPSK	1	0	19.82	19.85	19.79	21.5	0	
10	QPSK	1	25	19.75	19.83	19.66			
10	QPSK	1	49	19.75	19.84	19.68			
10	QPSK	25	0	19.76	19.84	19.74			
10	QPSK	25	12	19.81	19.85	19.62	21.5	0	
10	QPSK	25	25	19.57	19.69	19.72			
10	QPSK	50	0	19.72	19.80	19.79			
10	16QAM	1	0	19.71	19.91	19.67	21.5	0	
10	16QAM	1	25	19.68	19.83	19.65			
10	16QAM	1	49	19.77	19.78	19.74			
10	16QAM	25	0	19.68	19.84	19.72			
10	16QAM	25	12	19.61	19.71	19.67	21.5	0	
10	16QAM	25	25	19.74	19.77	19.74			
10	16QAM	50	0	19.74	19.90	19.64			
10	64QAM	1	0	19.72	19.73	19.71	21.5	0	
10	64QAM	1	25	19.73	19.82	19.69			
10	64QAM	1	49	19.59	19.85	19.57			
10	64QAM	25	0	19.28	19.47	19.32			
10	64QAM	25	12	19.20	19.27	19.19	21	0.5	
10	64QAM	25	25	19.16	19.32	19.21			
10	64QAM	50	0	19.21	19.34	19.30			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	19.72	19.91	19.77	21.5	0	
5	QPSK	1	12	19.66	19.85	19.67			
5	QPSK	1	24	19.77	19.83	19.73			
5	QPSK	12	0	19.71	19.80	19.76			
5	QPSK	12	7	19.82	19.86	19.63	21.5	0	
5	QPSK	12	13	19.66	19.72	19.76			
5	QPSK	25	0	19.77	19.82	19.83			
5	16QAM	1	0	19.73	19.88	19.68	21.5	0	
5	16QAM	1	12	19.70	19.82	19.58			
5	16QAM	1	24	19.82	19.83	19.70			
5	16QAM	12	0	19.64	19.84	19.65			
5	16QAM	12	7	19.60	19.74	19.64	21.5	0	
5	16QAM	12	13	19.79	19.82	19.77			
5	16QAM	25	0	19.70	19.82	19.65			
5	64QAM	1	0	19.70	19.79	19.67	21.5	0	
5	64QAM	1	12	19.71	19.84	19.72			
5	64QAM	1	24	19.68	19.78	19.62			
5	64QAM	12	0	19.28	19.47	19.36			
5	64QAM	12	7	19.25	19.34	19.12	21	0.5	
5	64QAM	12	13	19.26	19.31	19.17			
5	64QAM	25	0	19.29	19.40	19.28			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	19.82	19.83	19.77	21.5	0	
3	QPSK	1	8	19.67	19.88	19.66			
3	QPSK	1	14	19.75	19.81	19.67			
3	QPSK	8	0	19.71	19.89	19.70			
3	QPSK	8	4	19.82	19.85	19.71	21.5	0	
3	QPSK	7	0	19.63	19.72	19.69			
3	QPSK	15	0	19.72	19.83	19.77			
3	16QAM	1	0	19.77	19.83	19.63			
3	16QAM	1	8	19.72	19.83	19.66	21.5	0	
3	16QAM	1	14	19.78	19.74	19.76			
3	16QAM	8	0	19.68	19.87	19.73			
3	16QAM	8	4	19.59	19.66	19.63	21.5	0	
3	16QAM	8	7	19.74	19.81	19.75			
3	16QAM	15	0	19.70	19.79	19.70			
3	64QAM	1	0	19.74	19.76	19.71	21.5	0	
3	64QAM	1	8	19.71	19.84	19.70			
3	64QAM	1	14	19.60	19.88	19.58			
3	64QAM	8	0	19.33	19.46	19.45			
3	64QAM	8	4	19.26	19.38	19.26	21	0.5	
3	64QAM	8	7	19.16	19.25	19.25			
3	64QAM	15	0	19.25	19.42	19.29			
Channel				18597	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	19.81	19.91	19.81	21.5	0	
1.4	QPSK	1	3	19.70	19.81	19.68			
1.4	QPSK	1	5	19.72	19.81	19.77			
1.4	QPSK	3	0	19.75	19.80	19.74			
1.4	QPSK	3	1	19.74	19.80	19.62	21.5	0	
1.4	QPSK	3	3	19.64	19.72	19.73			
1.4	QPSK	6	0	19.70	19.82	19.69			
1.4	16QAM	1	0	19.77	19.85	19.67			
1.4	16QAM	1	3	19.60	19.75	19.61	21.5	0	
1.4	16QAM	1	5	19.83	19.85	19.77			
1.4	16QAM	3	0	19.71	19.85	19.70			
1.4	16QAM	3	1	19.65	19.78	19.69			
1.4	16QAM	3	3	19.73	19.79	19.74	21.5	0	
1.4	16QAM	6	0	19.77	19.80	19.69			
1.4	64QAM	1	0	19.75	19.73	19.73			
1.4	64QAM	1	3	19.78	19.75	19.77			
1.4	64QAM	1	5	19.60	19.84	19.72	21.5	0	
1.4	64QAM	3	0	19.69	19.75	19.70			
1.4	64QAM	3	1	19.75	19.84	19.70			
1.4	64QAM	3	3	19.67	19.83	19.55			
1.4	64QAM	6	0	19.29	19.42	19.30	21	0.5	

Band 4 Ant0 SA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	20.52	20.63	20.38	22	0	
20	QPSK	1	49	20.51	20.57	20.49			
20	QPSK	1	99	20.39	20.53	20.42			
20	QPSK	50	0	20.50	20.61	20.45	22	0	
20	QPSK	50	24	20.49	20.58	20.45			
20	QPSK	50	50	20.42	20.56	20.33			
20	QPSK	100	0	20.52	20.56	20.40	22	0	
20	16QAM	1	0	20.49	20.57	20.40			
20	16QAM	1	49	20.48	20.52	20.46			
20	16QAM	1	99	20.38	20.48	20.44	22	0	
20	16QAM	50	0	20.50	20.52	20.41			
20	16QAM	50	24	20.54	20.58	20.45			
20	16QAM	50	50	20.36	20.56	20.45	22	0	
20	16QAM	100	0	20.52	20.51	20.47			
20	64QAM	1	0	20.53	20.57	20.50			
20	64QAM	1	49	20.33	20.46	20.44	22	0	
20	64QAM	1	99	20.48	20.53	20.46			
20	64QAM	50	0	19.49	19.64	19.60			
20	64QAM	50	24	19.49	19.55	19.34	21	1	
20	64QAM	50	50	19.40	19.44	19.47			
20	64QAM	100	0	19.52	19.60	19.50			
Channel				20025	20175	20325			
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	20.55	20.58	20.48	22	0	
15	QPSK	1	37	20.44	20.51	20.49			
15	QPSK	1	74	20.37	20.51	20.37			
15	QPSK	36	0	20.51	20.54	20.44	22	0	
15	QPSK	36	20	20.53	20.53	20.48			
15	QPSK	36	39	20.40	20.51	20.41			
15	QPSK	75	0	20.51	20.53	20.39	22	0	
15	16QAM	1	0	20.56	20.52	20.46			
15	16QAM	1	37	20.39	20.53	20.39			
15	16QAM	1	74	20.53	20.53	20.47	22	0	
15	16QAM	36	0	20.52	20.58	20.53			
15	16QAM	36	20	20.34	20.47	20.44			
15	16QAM	36	39	20.56	20.55	20.49	22	0	
15	16QAM	75	0	20.46	20.53	20.46			
15	64QAM	1	0	20.40	20.56	20.35			
15	64QAM	1	37	20.56	20.57	20.42	22	0	
15	64QAM	1	74	20.50	20.50	20.54			
15	64QAM	36	0	19.48	19.70	19.62			
15	64QAM	36	20	19.37	19.46	19.30	21	1	
15	64QAM	36	39	19.43	19.48	19.41			
15	64QAM	75	0	19.48	19.56	19.45			
Channel				20000	20150	20300			
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	20.58	20.59	20.45	22	0	
10	QPSK	1	25	20.49	20.49	20.50			
10	QPSK	1	49	20.39	20.56	20.50			
10	QPSK	25	0	20.55	20.55	20.43	22	0	
10	QPSK	25	12	20.55	20.50	20.51			
10	QPSK	25	25	20.35	20.51	20.37			
10	QPSK	50	0	20.49	20.52	20.45	22	0	
10	16QAM	1	0	20.49	20.51	20.54			
10	16QAM	1	25	20.31	20.53	20.41			
10	16QAM	1	49	20.49	20.52	20.45	22	0	
10	16QAM	25	0	20.49	20.51	20.54			
10	16QAM	25	12	20.31	20.53	20.41			
10	16QAM	25	25	20.49	20.52	20.45	22	0	
10	16QAM	50	0	20.49	20.51	20.54			
10	64QAM	1	0	20.31	20.53	20.41			
10	64QAM	1	25	20.49	20.52	20.45	22	0	
10	64QAM	1	49	20.49	20.51	20.54			
10	64QAM	25	0	19.49	19.60	19.57			
10	64QAM	25	12	19.42	19.48	19.39	21	1	
10	64QAM	25	25	19.47	19.46	19.42			
10	64QAM	50	0	19.47	19.45	19.40			
Channel				19975	20125	20375			
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	20.48	20.60	20.45	22	0	
5	QPSK	1	12	20.48	20.57	20.53			
5	QPSK	1	24	20.32	20.54	20.34			
5	QPSK	12	0	20.58	20.55	20.46	22	0	
5	QPSK	12	7	20.48	20.59	20.49			
5	QPSK	12	13	20.37	20.53	20.36			
5	QPSK	25	0	20.49	20.62	20.40	22	0	
5	16QAM	1	0	20.54	20.55	20.44			
5	16QAM	1	12	20.41	20.50	20.36			
5	16QAM	1	24	20.50	20.58	20.48	22	0	
5	16QAM	12	0	20.44	20.58	20.53			
5	16QAM	12	7	20.42	20.51	20.39			
5	16QAM	12	13	20.53	20.54	20.37	22	0	
5	16QAM	25	0	20.44	20.52	20.49			
5	64QAM	1	0	20.53	20.55	20.48			
5	64QAM	1	12	20.46	20.58	20.47	22	0	
5	64QAM	1	24	20.38	20.54	20.35			
5	64QAM	12	0	19.50	19.60	19.53			
5	64QAM	12	7	19.37	19.52	19.36	21	1	
5	64QAM	12	13	19.44	19.54	19.47			
5	64QAM	25	0	19.52	19.56	19.41			
Channel				19965	20175	20385			
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	20.54	20.57	20.45	22	0	
3	QPSK	1	8	20.56	20.54	20.49			
3	QPSK	1	14	20.39	20.52	20.39			
3	QPSK	8	0	20.46	20.54	20.48	22	0	
3	QPSK	8	4	20.47	20.49	20.54			
3	QPSK	8	7	20.38	20.55	20.36			
3	QPSK	15	0	20.51	20.60	20.39	22	0	
3	16QAM	1	0	20.52	20.57	20.44			
3	16QAM	1	8	20.37	20.56	20.43			
3	16QAM	1	14	20.58	20.54	20.42	22	0	
3	16QAM	8	0	20.47	20.49	20.53			
3	16QAM	8	4	20.45	20.61	20.44			
3	16QAM	8	7	20.50	20.57	20.51	22	0	
3	16QAM	15	0	20.41	20.57	20.45			
3	64QAM	1	0	20.49	20.55	20.50			
3	64QAM	1	8	20.47	20.59	20.43	22	0	
3	64QAM	1	14	20.36	20.46	20.37			
3	64QAM	8	0	19.53	19.62	19.58			
3	64QAM	8	4	19.36	19.52	19.37	21	1	
3	64QAM	8	7	19.41	19.46	19.47			
3	64QAM	15	0	19.46	19.48	19.41			
Channel				19957	20175	20393			
Frequency (MHz)				1710.7	1732.5	1754.3	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	20.54	20.51	20.44	22	0	
1.4	QPSK	1	3	20.46	20.51	20.46			
1.4	QPSK	1	5	20.39	20.53	20.41			
1.4	QPSK	3	0	20.50	20.56	20.46	22	0	
1.4	QPSK	3	1	20.44	20.53	20.42			
1.4	QPSK	3	3	20.36	20.48	20.40			
1.4	QPSK	6	0	20.47	20.59	20.49	22	0	
1.4	16QAM	1	0	20.50	20.54	20.45			
1.4	16QAM	1	3	20.37	20.50	20.33			
1.4	16QAM	1	5	20.51	20.54	20.39	22	0	
1.4	16QAM	3	0	20.46	20.58	20.46			
1.4	16QAM	3	1	20.40	20.52	20.41			
1.4	16QAM	3	3	20.58	20.51	20.46	22	0	
1.4	16QAM	6	0	20.48	20.50	20.42			
1.4	64QAM	1	0	20.34	20.47	20.42			
1.4	64QAM	1	3	20.59	20.53	20.43	22	0	
1.4	64QAM	1	5	20.36	20.54	20.54			
1.4	64QAM	3	0	20.55	20.56	20.42			
1.4	64QAM	3	1	20.47	20.54	20.47	21	1	
1.4	64QAM	3	3	20.41	20.48	20.36			
1.4	64QAM	6	0	19.55	19.68	19.61			

Band 25 Ant0 SA DSI6									
BW [MHz]	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)				1860	1898	1905			
20	QPSK	1	0	19.93	19.98	19.77	21.5	0	
20	QPSK	1	49	19.65	19.83	19.77			
20	QPSK	1	99	19.68	19.74	19.61			
20	QPSK	50	0	19.87	19.89	19.88	21.5	0	
20	QPSK	50	24	19.80	19.77	19.73			
20	QPSK	50	50	19.65	19.66	19.66			
20	QPSK	100	0	19.78	19.85	19.84	21.5	0	
20	16QAM	1	0	19.71	19.88	19.72			
20	16QAM	1	49	19.70	19.76	19.70			
20	16QAM	1	99	19.80	19.81	19.85	21.5	0	
20	16QAM	50	0	19.69	19.89	19.72			
20	16QAM	50	24	19.86	19.88	19.83			
20	16QAM	50	50	19.77	19.80	19.71	21.5	0	
20	16QAM	100	0	19.60	19.65	19.72			
20	64QAM	1	0	19.87	19.80	19.83			
20	64QAM	1	49	19.71	19.82	19.65	21.5	0	
20	64QAM	1	99	19.82	19.71	19.66			
20	64QAM	50	0	19.24	19.51	19.37			
20	64QAM	50	24	19.22	19.34	19.30	21	0.5	
20	64QAM	50	50	19.21	19.34	19.23			
20	64QAM	100	0	19.24	19.25	19.21			
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	19.89	19.84	19.77	21.5	0	
15	QPSK	1	37	19.64	19.87	19.77			
15	QPSK	1	74	19.68	19.74	19.63			
15	QPSK	36	0	19.94	19.84	19.83	21.5	0	
15	QPSK	36	20	19.71	19.82	19.70			
15	QPSK	36	39	19.67	19.73	19.66			
15	QPSK	75	0	19.80	19.79	19.76	21.5	0	
15	16QAM	1	0	19.75	19.88	19.68			
15	16QAM	1	37	19.62	19.75	19.66			
15	16QAM	1	74	19.84	19.85	19.78	21.5	0	
15	16QAM	36	0	19.73	19.82	19.73			
15	16QAM	36	20	19.89	19.89	19.80			
15	16QAM	36	39	19.83	19.79	19.62	21.5	0	
15	16QAM	75	0	19.69	19.64	19.68			
15	64QAM	1	0	19.85	19.87	19.86			
15	64QAM	1	37	19.67	19.89	19.68	21.5	0	
15	64QAM	1	74	19.63	19.64	19.67			
15	64QAM	36	0	19.26	19.45	19.34			
15	64QAM	36	20	19.26	19.48	19.33	21	0.5	
15	64QAM	36	39	19.18	19.39	19.25			
15	64QAM	75	0	19.19	19.26	19.19			
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910			
10	QPSK	1	0	19.85	19.83	19.82	21.5	0	
10	QPSK	1	25	19.64	19.79	19.82			
10	QPSK	1	49	19.73	19.67	19.55			
10	QPSK	25	0	19.92	19.78	19.88	21.5	0	
10	QPSK	25	12	19.76	19.81	19.78			
10	QPSK	25	25	19.68	19.74	19.68			
10	QPSK	50	0	19.76	19.81	19.83	21.5	0	
10	16QAM	1	0	19.71	19.82	19.74			
10	16QAM	1	25	19.62	19.77	19.74			
10	16QAM	1	49	19.82	19.84	19.81	21.5	0	
10	16QAM	25	0	19.66	19.87	19.68			
10	16QAM	25	12	19.93	19.91	19.80			
10	16QAM	25	25	19.83	19.81	19.66	21.5	0	
10	16QAM	50	0	19.70	19.71	19.70			
10	64QAM	1	0	19.75	19.82	19.81			
10	64QAM	1	25	19.64	19.89	19.65	21.5	0	
10	64QAM	1	49	19.62	19.63	19.58			
10	64QAM	25	0	19.29	19.51	19.26			
10	64QAM	25	12	19.26	19.49	19.34	21	0.5	
10	64QAM	25	25	19.16	19.32	19.31			
10	64QAM	50	0	19.18	19.27	19.26			
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5			
5	QPSK	1	0	19.85	19.89	19.76	21.5	0	
5	QPSK	1	12	19.75	19.82	19.79			
5	QPSK	1	24	19.67	19.72	19.60			
5	QPSK	12	0	19.88	19.84	19.77	21.5	0	
5	QPSK	12	7	19.74	19.86	19.79			
5	QPSK	12	13	19.66	19.66	19.63			
5	QPSK	25	0	19.85	19.85	19.84	21.5	0	
5	16QAM	1	0	19.82	19.87	19.79			
5	16QAM	1	12	19.65	19.76	19.73			
5	16QAM	1	24	19.81	19.83	19.81	21.5	0	
5	16QAM	12	0	19.77	19.86	19.72			
5	16QAM	12	7	19.91	19.85	19.79			
5	16QAM	12	13	19.79	19.85	19.70	21.5	0	
5	16QAM	25	0	19.66	19.68	19.71			
5	64QAM	1	0	19.80	19.82	19.85			
5	64QAM	1	12	19.69	19.80	19.71	21.5	0	
5	64QAM	1	24	19.61	19.64	19.62			
5	64QAM	12	0	19.27	19.42	19.37			
5	64QAM	12	7	19.26	19.50	19.34	21	0.5	
5	64QAM	12	13	19.23	19.34	19.33			
5	64QAM	25	0	19.28	19.27	19.28			
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5			
3	QPSK	1	0	19.93	19.84	19.73	21.5	0	
3	QPSK	1	8	19.71	19.84	19.78			
3	QPSK	1	14	19.71	19.75	19.57			
3	QPSK	8	0	19.87	19.87	19.79	21.5	0	
3	QPSK	8	4	19.82	19.86	19.81			
3	QPSK	8	7	19.58	19.74	19.60			
3	QPSK	15	0	19.82	19.84	19.85	21.5	0	
3	16QAM	1	0	19.75	19.89	19.73			
3	16QAM	1	8	19.59	19.73	19.76			
3	16QAM	1	14	19.87	19.80	19.89	21.5	0	
3	16QAM	8	0	19.74	19.83	19.74			
3	16QAM	8	4	19.85	19.89	19.77			
3	16QAM	8	7	19.75	19.86	19.65	21.5	0	
3	16QAM	15	0	19.70	19.80	19.70			
3	64QAM	1	0	19.77	19.85	19.90			
3	64QAM	1	8	19.73	19.80	19.72	21.5	0	
3	64QAM	1	14	19.55	19.72	19.63			
3	64QAM	8	0	19.28	19.51	19.33			
3	64QAM	8	4	19.29	19.41	19.35	21	0.5	
3	64QAM	8	7	19.22	19.31	19.30			
3	64QAM	15	0	19.26	19.32	19.22			
Channel				26047	26310	26593	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3			
1.4	QPSK	1	0	19.92	19.94	19.84	21.5	0	
1.4	QPSK	1	3	19.89	19.85	19.77			
1.4	QPSK	1	5	19.63	19.73	19.64			
1.4	QPSK	3	0	19.88	19.81	19.77	21.5	0	
1.4	QPSK	3	1	19.72	19.85	19.72			
1.4	QPSK	3	3	19.66	19.75	19.61			
1.4	QPSK	6	0	19.95	19.78	19.85	21.5	0	
1.4	16QAM	1	0	19.76	19.87	19.79			
1.4	16QAM	1	3	19.64	19.85	19.68			
1.4	16QAM	1	5	19.79	19.83	19.79	21.5	0	
1.4	16QAM	3	0	19.76	19.80	19.71			
1.4	16QAM	3	1	19.60	19.71	19.72	21.5	0	
1.4	16QAM	3	3	19.77	19.77	19.87			
1.4	16QAM	6	0	19.76	19.78	19.69			
1.4	64QAM	1	0	19.80	19.84	19.82	21.5	0	
1.4	64QAM	1	3	19.60	19.89	19.70			
1.4	64QAM	1	5	19.63	19.67	19.73			
1.4	64QAM	3	0	19.79	19.86	19.86	21.5	0	
1.4	64QAM	3	1	19.72	19.82	19.65			
1.4	64QAM	3	3	19.53	19.72	19.67			
1.4	64QAM	6	0	19.28	19.46	19.34	21	0.5	

Band 7 Ant1 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350	21	0
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.67	19.80	19.71	21	0
20	QPSK	1	49	19.63	19.56	19.59		
20	QPSK	1	99	19.57	19.56	19.67		
20	QPSK	50	0	19.57	19.79	19.58		
20	QPSK	50	24	19.56	19.58	19.55		
20	QPSK	50	50	19.49	19.61	19.59		
20	QPSK	100	0	19.66	19.78	19.74	21	0
20	16QAM	1	0	19.51	19.72	19.53		
20	16QAM	1	49	19.48	19.63	19.57		
20	16QAM	1	99	19.57	19.85	19.78		
20	16QAM	50	0	19.55	19.63	19.69		
20	16QAM	50	24	19.56	19.61	19.54		
20	16QAM	50	50	19.60	19.78	19.80	21	0
20	16QAM	100	0	19.48	19.56	19.61		
20	64QAM	1	0	19.63	19.62	19.58		
20	64QAM	1	49	19.66	19.74	19.79		
20	64QAM	1	99	19.44	19.62	19.66		
20	64QAM	50	0	19.58	19.56	19.51		
20	64QAM	50	24	19.81	19.84	19.83	21	0
20	64QAM	50	50	19.70	19.82	19.74		
20	64QAM	100	0	19.75	19.77	19.77		
Channel				20825	21100	21375	21	0
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.65	19.75	19.72	21	0
15	QPSK	1	37	19.55	19.60	19.63		
15	QPSK	1	74	19.49	19.61	19.64		
15	QPSK	36	0	19.59	19.82	19.73		
15	QPSK	36	20	19.54	19.53	19.50		
15	QPSK	36	39	19.59	19.57	19.56		
15	QPSK	75	0	19.61	19.78	19.71	21	0
15	16QAM	1	0	19.51	19.64	19.53		
15	16QAM	1	37	19.57	19.56	19.53		
15	16QAM	1	74	19.64	19.66	19.72		
15	16QAM	36	0	19.55	19.61	19.60		
15	16QAM	36	20	19.57	19.58	19.58		
15	16QAM	36	39	19.53	19.75	19.69	21	0
15	16QAM	75	0	19.52	19.53	19.63		
15	64QAM	1	0	19.58	19.70	19.63		
15	64QAM	1	37	19.59	19.69	19.75		
15	64QAM	1	74	19.48	19.58	19.59		
15	64QAM	36	0	19.63	19.63	19.51		
15	64QAM	36	20	19.82	19.92	19.88	21	0
15	64QAM	36	39	19.71	19.81	19.75		
15	64QAM	75	0	19.72	19.73	19.68		
Channel				20800	21100	21400	21	0
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.71	19.70	19.69	21	0
10	QPSK	1	25	19.60	19.61	19.58		
10	QPSK	1	49	19.51	19.64	19.63		
10	QPSK	25	0	19.58	19.77	19.76		
10	QPSK	25	12	19.60	19.53	19.52		
10	QPSK	25	25	19.58	19.57	19.54		
10	QPSK	50	0	19.61	19.72	19.76	21	0
10	16QAM	1	0	19.45	19.73	19.52		
10	16QAM	1	25	19.50	19.66	19.49		
10	16QAM	1	49	19.63	19.80	19.68		
10	16QAM	25	0	19.51	19.65	19.61		
10	16QAM	25	12	19.64	19.66	19.59		
10	16QAM	25	25	19.52	19.81	19.79	21	0
10	16QAM	50	0	19.54	19.60	19.55		
10	64QAM	1	0	19.59	19.71	19.60		
10	64QAM	1	25	19.66	19.74	19.78		
10	64QAM	1	49	19.49	19.59	19.66		
10	64QAM	25	0	19.56	19.64	19.56		
10	64QAM	25	12	19.79	19.90	19.80	21	0
10	64QAM	25	25	19.63	19.82	19.70		
10	64QAM	50	0	19.76	19.74	19.77		
Channel				20775	21100	21425	21	0
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.70	19.70	19.73	21	0
5	QPSK	1	12	19.65	19.62	19.64		
5	QPSK	1	24	19.51	19.68	19.61		
5	QPSK	12	0	19.61	19.85	19.73		
5	QPSK	12	7	19.53	19.60	19.51		
5	QPSK	12	13	19.53	19.56	19.54		
5	QPSK	25	0	19.64	19.76	19.69	21	0
5	16QAM	1	0	19.43	19.68	19.59		
5	16QAM	1	12	19.58	19.58	19.58		
5	16QAM	1	24	19.57	19.85	19.78		
5	16QAM	12	0	19.56	19.62	19.58		
5	16QAM	12	7	19.62	19.65	19.61		
5	16QAM	12	13	19.52	19.74	19.69	21	0
5	16QAM	25	0	19.53	19.52	19.57		
5	64QAM	1	0	19.56	19.64	19.57		
5	64QAM	1	12	19.63	19.77	19.71		
5	64QAM	1	24	19.42	19.57	19.55		
5	64QAM	12	0	19.53	19.62	19.60		
5	64QAM	12	7	19.75	19.87	19.84	21	0
5	64QAM	12	13	19.61	19.77	19.76		
5	64QAM	25	0	19.77	19.71	19.68		

Band 30 Ant1 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710			22	0
Frequency (MHz)				2310				
10	QPSK	1	0		20.84		22	0
10	QPSK	1	25		20.63			
10	QPSK	1	49		20.67			
10	QPSK	25	0		20.83			
10	QPSK	25	12		20.77			
10	QPSK	25	25		20.76			
10	QPSK	50	0		20.83		22	0
10	16QAM	1	0		20.76			
10	16QAM	1	25		20.82			
10	16QAM	1	49		20.79			
10	16QAM	25	0		20.74			
10	16QAM	25	12		20.78			
10	16QAM	25	25		20.74		22	0
10	16QAM	50	0		20.77			
10	64QAM	1	0		20.74			
10	64QAM	1	25		20.74			
10	64QAM	1	49		20.76			
10	64QAM	25	0		19.95			
10	64QAM	25	12		19.81		21	1
10	64QAM	25	25		19.81			
10	64QAM	50	0		19.83			
Channel				27685	27710	27735	21	1
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	20.69	20.79	20.68	22	0
5	QPSK	1	12	20.41	20.52	20.47		
5	QPSK	1	24	20.55	20.62	20.54		
5	QPSK	12	0	20.68	20.79	20.69		
5	QPSK	12	7	20.71	20.81	20.80		
5	QPSK	12	13	20.84	20.83	20.83		
5	QPSK	25	0	20.66	20.74	20.71	22	0
5	16QAM	1	0	20.68	20.76	20.67		
5	16QAM	1	12	20.70	20.80	20.75		
5	16QAM	1	24	20.70	20.77	20.75		
5	16QAM	12	0	20.78	20.77	20.69		
5	16QAM	12	7	20.81	20.80	20.79		
5	16QAM	12	13	20.81	20.83	20.84	22	0
5	16QAM	25	0	20.76	20.76	20.77		
5	64QAM	1	0	20.75	20.83	20.81		
5	64QAM	1	12	20.73	20.75	20.65		
5	64QAM	1	24	20.75	20.82	20.78		
5	64QAM	12	0	19.89	19.92	19.81		
5	64QAM	12	7	19.64	19.83	19.83	21	1
5	64QAM	12	13	19.70	19.82	19.84		
5	64QAM	25	0	19.43	19.56	19.54		



Band 38 Ant1 SA DSI6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Middle Co. [Frac]	Power High Co. [Frac]	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.44	19.56	19.39	21	0			
20	QPSK	1	49	19.39	19.54	19.42					
20	QPSK	1	99	19.35	19.52	19.47					
20	QPSK	50	0	19.42	19.55	19.44					
20	QPSK	50	24	19.41	19.45	19.47	21	0			
20	QPSK	50	50	19.38	19.54	19.42					
20	QPSK	100	0	19.45	19.53	19.48					
20	16QAM	1	0	19.40	19.53	19.45					
20	16QAM	1	49	19.42	19.48	19.44	21	0			
20	16QAM	1	99	19.42	19.46	19.41					
20	16QAM	50	0	19.37	19.51	19.48					
20	16QAM	50	24	19.36	19.44	19.45					
20	16QAM	50	50	19.36	19.50	19.45	21	0			
20	16QAM	100	0	19.42	19.49	19.48					
20	64QAM	1	0	19.44	19.46	19.44					
20	64QAM	1	49	19.43	19.45	19.42					
20	64QAM	1	99	19.40	19.53	19.40	21	0			
20	64QAM	50	0	19.43	19.46	19.44					
20	64QAM	50	24	19.45	19.53	19.43					
20	64QAM	50	50	19.39	19.51	19.48					
20	64QAM	100	0	19.44	19.51	19.45	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	0	19.34	19.52	19.42	21	0			
15	QPSK	1	37	19.44	19.51	19.43					
15	QPSK	1	74	19.38	19.53	19.48					
15	QPSK	36	0	19.38	19.54	19.46					
15	QPSK	36	20	19.42	19.52	19.42	21	0			
15	QPSK	36	39	19.44	19.48	19.45					
15	QPSK	75	0	19.41	19.53	19.41					
15	16QAM	1	0	19.38	19.47	19.48					
15	16QAM	1	37	19.34	19.43	19.44	21	0			
15	16QAM	1	74	19.37	19.48	19.42					
15	16QAM	36	0	19.41	19.53	19.44					
15	16QAM	36	20	19.40	19.48	19.49					
15	16QAM	36	39	19.44	19.47	19.40	21	0			
15	16QAM	75	0	19.37	19.50	19.39					
15	64QAM	1	0	19.42	19.53	19.41					
15	64QAM	1	37	19.34	19.53	19.44					
15	64QAM	1	74	19.36	19.51	19.47	21	0			
15	64QAM	36	0	19.40	19.50	19.44					
15	64QAM	36	20	19.43	19.47	19.49					
15	64QAM	36	39	19.37	19.53	19.46					
15	64QAM	75	0	19.39	19.49	19.51	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	0	19.42	19.56	19.41	21	0			
10	QPSK	1	25	19.37	19.53	19.42					
10	QPSK	1	49	19.43	19.53	19.43					
10	QPSK	25	0	19.34	19.47	19.43					
10	QPSK	25	12	19.38	19.48	19.45	21	0			
10	QPSK	25	25	19.37	19.49	19.49					
10	QPSK	50	0	19.45	19.50	19.40					
10	16QAM	1	0	19.35	19.51	19.50					
10	16QAM	1	25	19.34	19.46	19.43	21	0			
10	16QAM	1	49	19.40	19.44	19.45					
10	16QAM	25	0	19.35	19.45	19.44					
10	16QAM	25	12	19.40	19.53	19.48					
10	16QAM	25	25	19.34	19.44	19.41	21	0			
10	16QAM	50	0	19.43	19.52	19.47					
10	64QAM	1	0	19.41	19.52	19.47					
10	64QAM	1	25	19.40	19.44	19.50					
10	64QAM	1	49	19.38	19.48	19.39	21	0			
10	64QAM	25	0	19.44	19.48	19.49					
10	64QAM	25	12	19.43	19.44	19.41					
10	64QAM	25	25	19.43	19.52	19.49					
10	64QAM	50	0	19.37	19.44	19.47	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
5	QPSK	1	0	19.42	19.51	19.46	21	0			
5	QPSK	1	12	19.39	19.44	19.51					
5	QPSK	1	24	19.40	19.54	19.51					
5	QPSK	12	0	19.42	19.43	19.41					
5	QPSK	12	7	19.42	19.46	19.50	21	0			
5	QPSK	12	13	19.37	19.53	19.44					
5	QPSK	25	0	19.39	19.48	19.42					
5	16QAM	1	0	19.44	19.49	19.45					
5	16QAM	1	12	19.41	19.52	19.46	21	0			
5	16QAM	1	24	19.41	19.52	19.47					
5	16QAM	12	0	19.38	19.50	19.49					
5	16QAM	12	7	19.37	19.43	19.43					
5	16QAM	12	13	19.35	19.45	19.45	21	0			
5	16QAM	25	0	19.45	19.46	19.46					
5	64QAM	1	0	19.46	19.46	19.49					
5	64QAM	1	12	19.46	19.50	19.46					
5	64QAM	1	24	19.45	19.54	19.41	21	0			
5	64QAM	12	0	19.38	19.53	19.42					
5	64QAM	12	7	19.41	19.50	19.45					
5	64QAM	12	13	19.43	19.49	19.51					
5	64QAM	25	0	19.38	19.43	19.45	21	0			

Band 41 PC3 Ant1 SA DSI6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Co. [Frac]	Power Low Middle Co. [Frac]	Power Middle Co. [Frac]	Power High Middle Co. [Frac]	Power High Co. [Frac]	Tune-up limit (dBm)	MPR (dB)	
Channel											
Frequency (MHz)											
20	QPSK	1	0	19.43	19.36	19.56	19.45	19.40	21	0	
20	QPSK	1	49	19.34	19.27	19.53	19.41	19.38			
20	QPSK	1	99	19.41	19.30	19.46	19.46	19.30			
20	QPSK	50	0	19.39	19.37	19.54	19.47	19.35			
20	QPSK	50	24	19.34	19.29	19.51	19.39	19.39	21	0	
20	QPSK	50	50	19.41	19.32	19.48	19.41	19.41			
20	QPSK	100	0	19.38	19.37	19.45	19.41	19.34			
20	16QAM	1	0	19.36	19.34	19.48	19.39	19.31			
20	16QAM	1	49	19.34	19.27	19.53	19.41	19.38	21	0	
20	16QAM	1	99	19.41	19.28	19.54	19.46	19.31			
20	16QAM	50	0	19.36	19.35	19.54	19.45	19.33			
20	16QAM	50	24	19.34	19.29	19.46	19.45	19.35			
20	16QAM	50	50	19.37	19.27	19.52	19.41	19.35	21	0	
20	16QAM	100	0	19.39	19.30	19.53	19.43	19.35			
20	16QAM	1	0	19.45	19.36	19.45	19.45	19.35			
20	16QAM	1	49	19.43	19.35	19.48	19.46	19.30			
20	16QAM	1	99	19.36	19.28	19.51	19.40	19.32	21	0	
20	16QAM	50	0	19.39	19.30	19.50	19.47	19.35			
20	16QAM	50	24	19.38	19.32	19.53	19.39	19.35			
20	16QAM	50	50	19.35	19.30	19.49	19.47	19.35			
20	16QAM	100	0	19.40	19.37	19.46	19.45	19.40	21	0	
20	16QAM	1	0	19.45	19.37	19.45	19.45	19.35			
20	16QAM	1	49	19.43	19.35	19.48	19.46	19.30			
20	16QAM	1	99	19.36	19.28	19.51	19.42	19.32			
20	QPSK	1	0	19.43	19.28	19.51	19.42	19.29	21	0	
20	QPSK	1	37	19.41	19.37	19.56	19.47	19.35			
20	QPSK	1	74	19.43	19.34	19.48	19.37	19.32			
20	QPSK	36	0	19.41	19.29	19.46	19.40	19.36			
20	QPSK	36	20	19.43	19.33	19.48	19.40	19.36	21	0	
20	QPSK	36	36	19.45	19.36	19.45	19.44	19.31			
20	QPSK	75	0	19.37	19.29	19.54	19.39	19.38			
20	QPSK	75	36	19.34	19.29	19.45	19.45	19.39			
20	16QAM	1	37	19.35	19.36	19.49	19.46	19.40	21	0	
20	16QAM	1	74	19.46	19.34	19.49	19.42	19.41			
20	16QAM	36	0	19.40	19.36	19.48	19.39	19.35			
20	16QAM	36	20	19.38	19.32	19.49	19.36	19.34			
20	16QAM	36	36	19.43	19.30	19.47	19.38	19.31	21	0	
20	16QAM	75	0	19.44	19.29	19.51	19.48	19.31			
20	16QAM	1	0	19.45	19.27	19.53	19.47	19.34			
20	16QAM	1	37	19.36	19.28	19.44	19.48	19.35			
20	16QAM	1	74	19.35	19.34	19.53	19.47	19.35	21	0	
20	16QAM	36	0	19.38	19.34	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.36	19.33	19.46	19.45	19.37	21	0	
20	16QAM	75	36	19.39	19.35	19.46	19.45	19.37			
20	16QAM	36	20	19.37	19.32	19.50	19.43	19.36			
20	16QAM	36	36	19.36	19.35	19.47	19.46	19.39			
20	16QAM	75	0	19.							

Band 48 Ant5 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.00	21.23	20.94	21.15	22.5	0
20	QPSK	1	49	20.91	21.22	20.97	21.15		
20	QPSK	1	99	20.96	21.16	21.05	21.12		
20	QPSK	50	0	21.04	21.22	20.91	21.21		
20	QPSK	50	24	21.05	21.16	20.99	21.12	22.5	0
20	QPSK	50	50	21.05	21.12	21.05	21.11		
20	QPSK	100	0	21.05	21.22	21.03	21.19		
20	16QAM	1	0	20.99	21.13	20.99	21.18		
20	16QAM	1	49	21.05	21.14	21.03	21.20	22.5	0
20	16QAM	1	99	20.96	21.20	20.91	21.19		
20	16QAM	50	0	20.10	20.10	20.06	20.03		
20	16QAM	50	24	20.07	20.02	20.06	20.13		
20	16QAM	50	50	20.08	20.00	20.07	20.03	22	0.5
20	16QAM	100	0	20.06	20.03	20.00	20.07		
20	64QAM	1	0	20.04	20.06	20.04	20.15		
20	64QAM	1	49	20.07	20.02	20.00	20.07		
20	64QAM	1	99	20.08	20.13	20.22	20.16	22	0.5
20	64QAM	50	0	19.32	19.38	19.00	19.32		
20	64QAM	50	24	19.26	19.13	19.23	19.20		
20	64QAM	50	50	19.15	19.19	19.07	19.08		
20	64QAM	100	0	19.14	19.21	19.03	19.22	21	1.5
Channel				55315	55820	56160	56665		
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	21.00	21.16	20.96	21.14	22.5	0
15	QPSK	1	37	20.92	21.10	21.02	21.15		
15	QPSK	1	74	20.94	21.23	21.05	21.10		
15	QPSK	36	0	21.06	21.10	20.97	21.13		
15	QPSK	36	20	21.03	21.09	21.05	21.20	22.5	0
15	QPSK	36	39	21.04	21.21	20.94	21.14		
15	QPSK	75	0	20.94	21.15	20.94	21.14		
15	16QAM	1	0	21.03	21.14	20.98	21.19		
15	16QAM	1	37	21.00	21.13	21.06	21.10	22.5	0
15	16QAM	1	74	20.97	21.12	21.02	21.23		
15	16QAM	36	0	20.11	20.38	20.20	20.35		
15	16QAM	36	20	20.13	20.21	20.23	20.18		
15	16QAM	36	39	20.24	20.09	20.28	20.14	22	0.5
15	16QAM	75	0	20.09	20.03	20.13	20.16		
15	64QAM	1	0	20.21	20.09	20.00	20.12		
15	64QAM	1	37	20.07	20.13	20.16	20.16		
15	64QAM	1	74	20.23	20.15	20.24	20.13	22	0.5
15	64QAM	36	0	19.02	19.26	19.00	19.27		
15	64QAM	36	20	19.21	19.08	19.27	19.16		
15	64QAM	36	39	19.09	19.13	19.21	19.06		
15	64QAM	75	0	19.05	19.05	19.07	19.02	21	1.5
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	21.01	21.17	20.91	21.14	22.5	0
10	QPSK	1	25	20.98	21.19	20.97	21.18		
10	QPSK	1	49	20.94	21.10	21.02	21.12		
10	QPSK	25	0	21.03	21.13	21.05	21.11		
10	QPSK	25	12	21.05	21.16	20.94	21.23	22.5	0
10	QPSK	25	25	20.95	21.22	20.96	21.17		
10	QPSK	50	0	21.00	21.16	21.04	21.18		
10	16QAM	1	0	21.01	21.16	20.94	21.23		
10	16QAM	1	25	20.98	21.16	21.01	21.19	22.5	0
10	16QAM	1	49	21.02	21.15	21.02	21.23		
10	16QAM	25	0	20.20	20.40	20.15	20.31		
10	16QAM	25	12	20.13	20.12	20.13	20.20		
10	16QAM	25	25	20.20	20.12	20.27	20.19	22	0.5
10	16QAM	50	0	20.01	20.09	20.16	20.01		
10	64QAM	1	0	20.15	20.05	20.04	20.08		
10	64QAM	1	25	20.12	20.03	20.14	20.16		
10	64QAM	1	49	20.11	20.23	20.22	20.20	22	0.5
10	64QAM	25	0	19.01	19.32	19.03	19.25		
10	64QAM	25	12	19.24	19.18	19.24	19.13		
10	64QAM	25	25	19.11	19.16	19.15	19.19		
10	64QAM	50	0	19.02	19.22	19.10	19.31	21	1.5
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.93	21.19	21.03	21.16	22.5	0
5	QPSK	1	12	20.96	21.13	20.95	21.20		
5	QPSK	1	24	21.06	21.11	21.00	21.21		
5	QPSK	12	0	20.98	21.23	21.01	21.17		
5	QPSK	12	7	20.98	21.21	20.99	21.17	22.5	0
5	QPSK	12	13	20.99	21.16	21.02	21.20		
5	QPSK	25	0	21.06	21.20	20.95	21.20		
5	16QAM	1	0	20.92	21.10	20.95	21.22		
5	16QAM	1	12	21.04	21.17	21.05	21.22	22.5	0
5	16QAM	1	24	21.05	21.19	21.06	21.12		
5	16QAM	12	0	20.12	20.32	20.20	20.37		
5	16QAM	12	7	20.16	20.18	20.13	20.11		
5	16QAM	12	13	20.22	20.20	20.25	20.16	22	0.5
5	16QAM	25	0	20.16	20.07	20.04	20.05		
5	64QAM	1	0	20.21	20.16	20.01	20.17		
5	64QAM	1	12	20.10	20.10	20.12	20.10		
5	64QAM	1	24	20.19	20.26	20.11	20.21	22	0.5
5	64QAM	12	0	19.21	19.31	19.06	19.30		
5	64QAM	12	7	19.22	19.10	19.22	19.16		
5	64QAM	12	13	19.09	19.09	19.09	19.08		
5	64QAM	25	0	19.01	19.00	19.09	19.00	21	1.5
Channel				55240	55810	56170	56715		
Frequency (MHz)				3550	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	20.93	21.19	21.03	21.16	22.5	0
5	QPSK	1	12	20.96	21.13	20.95	21.20		
5	QPSK	1	24	21.06	21.11	21.00	21.21		
5	QPSK	12	0	20.98	21.23	21.01	21.17		
5	QPSK	12	7	20.98	21.21	20.99	21.17	22.5	0
5	QPSK	12	13	20.99	21.16	21.02	21.20		
5	QPSK	25	0	21.06	21.20	20.95	21.20		
5	16QAM	1	0	20.92	21.10	20.95	21.22		
5	16QAM	1	12	21.04	21.17	21.05	21.22	22.5	0
5	16QAM	1	24	21.05	21.19	21.06	21.12		
5	16QAM	12	0	20.12	20.32	20.20	20.37		
5	16QAM	12	7	20.16	20.18	20.13	20.11		
5	16QAM	12	13	20.22	20.20	20.25	20.16	22	0.5
5	16QAM	25	0	20.16	20.07	20.04	20.05		
5	64QAM	1	0	20.21	20.16	20.01	20.17		
5	64QAM	1	12	20.10	20.10	20.12	20.10		
5	64QAM	1	24	20.19	20.26	20.11	20.21	22	0.5
5	64QAM	12	0	19.21	19.31	19.06	19.30		
5	64QAM	12	7	19.22	19.10	19.22	19.16		
5	64QAM	12	13	19.09	19.09	19.09	19.08		
5	64QAM	25	0	19.01	19.00	19.09	19.00	21	1.5
Channel				55215	55810	56170	56715		
Frequency (MHz)				3547.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)

Band 4 Ant0 NSA DSI6											
BW (MHz)	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)				1720	1723.5	1745					
20	QPSK	1	0	18.03	18.15	17.98	19.5	0			
20	QPSK	1	49	17.99	18.00	17.92					
20	QPSK	1	99	17.82	18.00	17.94					
20	QPSK	50	0	18.01	18.12	17.98	19.5	0			
20	QPSK	50	24	18.04	18.08	18.03					
20	QPSK	50	50	17.87	17.97	17.88					
20	QPSK	100	0	18.02	18.08	17.96	19.5	0			
20	16QAM	1	0	17.98	18.06	18.03					
20	16QAM	1	49	17.83	18.05	17.93					
20	16QAM	1	99	18.02	18.06	17.99	19.5	0			
20	16QAM	50	0	18.03	18.01	17.97					
20	16QAM	50	24	17.83	17.96	17.91					
20	16QAM	50	50	18.05	18.05	17.97	19.5	0			
20	16QAM	100	0	18.02	18.03	18.02					
20	64QAM	1	0	17.92	17.97	17.84					
20	64QAM	1	49	17.98	18.11	17.94	19.5	0			
20	64QAM	1	99	17.93	18.00	17.96					
20	64QAM	50	0	17.86	18.04	17.95					
20	64QAM	50	24	18.08	18.00	18.00	19.5	0			
20	64QAM	50	50	17.98	18.01	18.03					
20	64QAM	100	0	17.92	18.06	17.91					
Channel											
Frequency (MHz)				20025 <th>20175</th> <th>20325</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th colspan="3"></th>	20175	20325	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1717.5 <th>1732.5<th>1747.5</th><th colspan="5"></th></th>	1732.5 <th>1747.5</th> <th colspan="5"></th>	1747.5					
15	QPSK	1	0	18.02	18.11	17.95	19.5	0			
15	QPSK	1	37	17.94	17.98	18.00					
15	QPSK	1	74	17.92	17.99	17.85					
15	QPSK	36	0	17.97	18.09	17.98	19.5	0			
15	QPSK	36	20	18.05	18.00	17.97					
15	QPSK	36	39	17.93	17.99	17.86					
15	QPSK	75	0	18.08	18.04	17.98	19.5	0			
15	16QAM	1	0	17.98	18.07	17.95					
15	16QAM	1	37	17.82	18.06	17.92					
15	16QAM	1	74	17.98	18.10	17.93	19.5	0			
15	16QAM	36	0	17.96	17.98	18.01					
15	16QAM	36	20	17.81	18.06	17.90					
15	16QAM	36	39	18.06	18.05	17.93	19.5	0			
15	16QAM	75	0	18.04	18.06	18.00					
15	64QAM	1	0	17.85	17.99	17.94					
15	64QAM	1	37	17.99	18.05	17.98	19.5	0			
15	64QAM	1	74	18.04	18.08	17.99					
15	64QAM	36	0	17.82	18.04	17.85					
15	64QAM	36	20	18.06	18.11	17.89	19.5	0			
15	64QAM	36	39	17.97	18.01	18.03					
15	64QAM	75	0	17.88	17.98	17.94					
Channel											
Frequency (MHz)				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1715 <th>1732.5</th> <th>1750</th> <th colspan="5"></th>	1732.5	1750					
10	QPSK	1	0	18.03	18.05	17.95	19.5	0			
10	QPSK	1	25	17.96	18.07	18.00					
10	QPSK	1	49	17.86	17.97	17.94					
10	QPSK	25	0	18.08	18.05	17.96	19.5	0			
10	QPSK	25	12	18.02	17.99	18.02					
10	QPSK	25	25	17.81	17.98	17.86					
10	QPSK	50	0	17.99	18.10	17.95	19.5	0			
10	16QAM	1	0	17.98	18.01	17.94					
10	16QAM	1	25	17.93	18.01	17.86					
10	16QAM	1	49	18.09	18.10	17.94	19.5	0			
10	16QAM	25	0	18.03	18.06	18.00					
10	16QAM	25	12	17.81	18.02	17.87					
10	16QAM	25	25	18.04	18.02	17.98	19.5	0			
10	16QAM	50	0	18.00	18.00	18.01					
10	64QAM	1	0	17.83	18.03	17.94					
10	64QAM	1	25	18.02	18.05	17.96	19.5	0			
10	64QAM	1	49	18.03	18.05	17.99					
10	64QAM	25	0	17.83	18.07	17.91					
10	64QAM	25	12	18.08	18.03	17.98	19.5	0			
10	64QAM	25	25	17.98	18.03	18.00					
10	64QAM	50	0	17.89	17.96	17.92					
Channel											
Frequency (MHz)				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1712.5 <th>1732.5</th> <th>1752.5</th> <th colspan="5"></th>	1732.5	1752.5					
5	QPSK	1	0	17.88	18.02	17.91	19.5	0			
5	QPSK	1	12	18.00	18.06	17.94					
5	QPSK	1	24	17.90	17.97	17.94					
5	QPSK	12	0	18.07	18.02	17.96	19.5	0			
5	QPSK	12	7	17.98	18.07	17.98					
5	QPSK	12	13	17.89	18.04	17.93					
5	QPSK	25	0	18.08	18.02	17.89	19.5	0			
5	16QAM	1	0	17.95	18.10	18.03					
5	16QAM	1	12	17.89	18.04	17.87					
5	16QAM	1	24	17.98	18.06	17.93	19.5	0			
5	16QAM	12	0	17.98	18.08	17.96					
5	16QAM	12	7	17.82	18.05	17.88					
5	16QAM	12	13	18.07	18.06	17.91	19.5	0			
5	16QAM	25	0	18.00	18.08	17.92					
5	64QAM	1	0	17.85	17.97	17.86					
5	64QAM	1	12	18.06	18.03	17.90	19.5	0			
5	64QAM	1	24	17.95	18.06	17.93					
5	64QAM	12	0	17.83	17.99	17.89					
5	64QAM	12	7	18.06	18.09	17.90	19.5	0			
5	64QAM	12	13	18.01	17.98	17.98					
5	64QAM	25	0	17.90	18.06	17.89					
Channel											
Frequency (MHz)				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1711.5 <th>1732.5</th> <th>1753.5</th> <th colspan="5"></th>	1732.5	1753.5					
3	QPSK	1	0	18.04	18.01	17.99	19.5	0			
3	QPSK	1	8	18.00	18.03	17.99					
3	QPSK	1	14	17.82	17.99	17.87					
3	QPSK	8	0	18.08	18.06	17.89	19.5	0			
3	QPSK	8	4	18.03	18.08	17.88					
3	QPSK	8	7	17.86	17.96	17.89					
3	QPSK	15	0	17.97	18.07	17.95	19.5	0			
3	16QAM	1	0	18.01	18.00	17.97					
3	16QAM	1	8	17.89	17.95	17.85					
3	16QAM	1	14	18.00	18.09	17.93	19.5	0			
3	16QAM	8	0	17.95	18.04	17.99					
3	16QAM	8	4	17.87	17.96	17.87					
3	16QAM	8	7	18.06	18.01	17.96	19.5	0			
3	16QAM	15	0	18.03	18.00	18.02					
3	64QAM	1	0	17.81	18.02	17.85					
3	64QAM	1	8	18.02	18.11	17.91	19.5	0			
3	64QAM	1	14	17.86	18.05	17.96					
3	64QAM	8	0	17.92	18.06	17.88					
3	64QAM	8	4	18.07	18.08	17.99	19.5	0			
3	64QAM	8	7	18.02	18.07	17.97					
3	64QAM	15	0	17.92	17.99	17.94					
Channel											
Frequency (MHz)				19967	20175	20393	Tune-up limit (dBm)	MPR (dB)			
Frequency (MHz)				1710.7 <th>1727.5<th>1754.3</th><th colspan="5"></th></th>	1727.5 <th>1754.3</th> <th colspan="5"></th>	1754.3					
1.4	QPSK	1	0	18.03	18.10	17.99	19.5	0			
1.4	QPSK	1	3	18.04	18.03	18.00					
1.4	QPSK	1	5	17.83	17.96	17.84					
1.4	QPSK	3	0	18.01	18.12	18.01	19.5	0			
1.4	QPSK	3	1	17.95	18.01	17.94					
1.4	QPSK	3	3	17.84	17.97	17.87					
1.4	QPSK	6	0	18.00	18.05	17.94	19.5	0			
1.4	16QAM	1	0	18.04	18.05	17.93					
1.4	16QAM	1	3	17.85	18.01	17.93					
1.4	16QAM	1	5	18.02	18.03	17.99	19.5	0			
1.4	16QAM	3	0	18.02	18.10	17.96					
1.4	16QAM	3	1	17.88	18.03	17.84					
1.4	16QAM	3	3	18.00	18.01	17.97	19.5	0			
1.4	16QAM	6	0	17.99	18.07	18.01					
1.4	64QAM	1	0	17.87	17.99	17.86					
1.4	64QAM	1	3	17.98	18.05	17.89	19.5	0			
1.4	64QAM	1	5	18.01	17.99	18.00					
1.4	64QAM	3	0	17.85	18.06	17.94					
1.4	64QAM	3	3	18.09	18.01	17.97	19.5	0			
1.4	64QAM	3	3	17.97	18.03	17.92					
1.4	64QAM	6	0	17.90	17.97	17.94					

Band 7 Ant1 NSA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	17.80	17.87	17.82	19	0
20	QPSK	1	49	17.83	17.48	17.84		
20	QPSK	1	99	17.74	17.48	17.77		
20	QPSK	50	0	17.76	17.86	17.78		
20	QPSK	50	24	17.84	17.46	17.82	19	0
20	QPSK	50	50	17.76	17.46	17.74		
20	QPSK	100	0	17.76	17.85	17.84		
20	16QAM	1	0	17.77	17.52	17.81		
20	16QAM	1	49	17.83	17.56	17.82	19	0
20	16QAM	1	99	17.85	17.56	17.82		
20	16QAM	50	0	17.81	17.52	17.84		
20	16QAM	50	24	17.80	17.57	17.78		
20	16QAM	50	50	17.78	17.62	17.78	19	0
20	16QAM	100	0	17.81	17.55	17.82		
20	64QAM	1	0	17.79	17.49	17.78		
20	64QAM	1	49	17.81	17.59	17.80		
20	64QAM	1	99	17.77	17.46	17.82	19	0
20	64QAM	50	0	17.84	17.50	17.76		
20	64QAM	50	24	17.86	17.60	17.79		
20	64QAM	50	50	17.83	17.48	17.84		
20	64QAM	100	0	17.79	17.56	17.85		
Channel				20825	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.76	17.59	17.79	19	0
15	QPSK	1	37	17.86	17.42	17.79		
15	QPSK	1	74	17.81	17.47	17.83		
15	QPSK	36	0	17.85	17.85	17.81		
15	QPSK	36	20	17.76	17.83	17.83	19	0
15	QPSK	36	39	17.76	17.75	17.84		
15	QPSK	75	0	17.79	17.85	17.76		
15	16QAM	1	0	17.84	17.79	17.82		
15	16QAM	1	37	17.79	17.79	17.75	19	0
15	16QAM	1	74	17.76	17.83	17.82		
15	16QAM	36	0	17.66	17.48	17.73		
15	16QAM	36	20	17.84	17.55	17.77		
15	16QAM	36	39	17.75	17.36	17.84	19	0
15	16QAM	75	0	17.79	17.78	17.78		
15	64QAM	1	0	17.84	17.81	17.81		
15	64QAM	1	37	17.84	17.83	17.74		
15	64QAM	1	74	17.80	17.80	17.75	19	0
15	64QAM	36	0	17.77	17.79	17.74		
15	64QAM	36	20	17.60	17.76	17.82		
15	64QAM	36	39	17.85	17.75	17.86		
15	64QAM	75	0	17.83	17.76	17.82		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	17.75	17.80	17.78	19	0
10	QPSK	1	25	17.79	17.81	17.78		
10	QPSK	1	49	17.79	17.85	17.84		
10	QPSK	25	0	17.78	17.86	17.81		
10	QPSK	25	12	17.85	17.78	17.85	19	0
10	QPSK	25	25	17.81	17.84	17.80		
10	QPSK	50	0	17.83	17.83	17.84		
10	16QAM	1	0	17.86	17.77	17.81		
10	16QAM	1	25	17.79	17.79	17.82	19	0
10	16QAM	1	49	17.80	17.80	17.80		
10	16QAM	25	0	17.84	17.80	17.83		
10	16QAM	25	12	17.76	17.85	17.76		
10	16QAM	25	25	17.81	17.82	17.76	19	0
10	16QAM	50	0	17.82	17.80	17.83		
10	64QAM	1	0	17.80	17.75	17.85		
10	64QAM	1	25	17.75	17.78	17.74		
10	64QAM	1	49	17.77	17.76	17.85	19	0
10	64QAM	25	0	17.83	17.83	17.86		
10	64QAM	25	12	17.78	17.76	17.78		
10	64QAM	25	25	17.85	17.78	17.78		
10	64QAM	50	0	17.84	17.77	17.79		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.47	17.56	17.52	19	0
5	QPSK	1	12	17.43	17.51	17.43		
5	QPSK	1	24	17.42	17.52	17.33		
5	QPSK	12	0	17.36	17.67	17.61		
5	QPSK	12	7	17.38	17.44	17.47	19	0
5	QPSK	12	13	17.35	17.57	17.30		
5	QPSK	25	0	17.49	17.57	17.52		
5	16QAM	1	0	17.33	17.52	17.41		
5	16QAM	1	12	17.34	17.57	17.42	19	0
5	16QAM	1	24	17.39	17.61	17.56		
5	16QAM	12	0	17.34	17.49	17.49		
5	16QAM	12	7	17.43	17.53	17.31		
5	16QAM	12	13	17.44	17.63	17.59	19	0
5	16QAM	25	0	17.44	17.42	17.47		
5	64QAM	1	0	17.43	17.55	17.39		
5	64QAM	1	12	17.46	17.56	17.48		
5	64QAM	1	24	17.38	17.50	17.38	19	0
5	64QAM	12	0	17.42	17.56	17.34		
5	64QAM	12	7	17.46	17.56	17.52		
5	64QAM	12	13	17.44	17.48	17.46		
5	64QAM	25	0	17.35	17.52	17.39		

Band 30 Ant1 NSA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				27710				
Frequency (MHz)				2310				
10	QPSK	1	0		19.38		20.5	0
10	QPSK	1	25		18.96			
10	QPSK	1	49		19.19			
10	QPSK	25	0		19.30			
10	QPSK	25	12		19.06		20.5	0
10	QPSK	25	25		19.20			
10	QPSK	50	0		19.27			
10	16QAM	1	0		18.99			
10	16QAM	1	25		19.15		20.5	0
10	16QAM	1	49		19.26			
10	16QAM	25	0		19.05			
10	16QAM	25	12		19.13			
10	16QAM	25	25		19.32		20.5	0
10	16QAM	50	0		18.99			
10	64QAM	1	0		19.10			
10	64QAM	1	25		19.34			
10	64QAM	1	49		18.99		20.5	0
10	64QAM	25	0		19.13			
10	64QAM	25	12		19.27			
10	64QAM	25	25		19.01			
10	64QAM	50	0		19.12			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	19.28	19.32	19.28	20.5	0
5	QPSK	1	12	18.97	18.97	19.02		
5	QPSK	1	24	19.14	19.09	19.19		
5	QPSK	12	0	19.34	19.30	19.29		
5	QPSK	12	7	19.05	19.01	18.97	20.5	0
5	QPSK	12	13	19.16	19.17	19.08		
5	QPSK	25	0	19.34	19.27	19.30		
5	16QAM	1	0	19.04	19.03	19.03		
5	16QAM	1	12	19.19	19.13	19.18	20.5	0
5	16QAM	1	24	19.33	19.31	19.33		
5	16QAM	12	0	19.05	18.98	19.05		
5	16QAM	12	7	19.14	19.10	19.14		
5	16QAM	12	13	19.31	19.31	19.32	20.5	0
5	16QAM	25	0	18.99	19.00	18.99		
5	64QAM	1	0	19.09	19.12	19.12		
5	64QAM	1	12	19.34	19.33	19.31		
5	64QAM	1	24	18.99	19.06	19.03	20.5	0
5	64QAM	12	0	19.16	19.15	19.20		
5	64QAM	12	7	19.30	19.27	19.26		
5	64QAM	12	13	18.99	19.01	19.01		
5	64QAM	25	0	19.08	19.11	19.12		



Band 2 Ant4 NSA DSI6											
BW [MHz]	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	20.46	20.67	20.54	21.5	0			
20	QPSK	1	49	20.28	20.46	20.23					
20	QPSK	1	99	20.27	20.39	20.28					
20	QPSK	50	0	20.41	20.66	20.45					
20	QPSK	50	24	20.35	20.44	20.29					
20	QPSK	50	50	20.31	20.44	20.28	21.5	0			
20	QPSK	100	0	20.44	20.62	20.54					
20	16QAM	1	0	20.45	20.61	20.44					
20	16QAM	1	49	20.25	20.47	20.23					
20	16QAM	1	99	20.32	20.40	20.24					
20	16QAM	50	0	19.35	19.48	19.41	20.5	1			
20	16QAM	50	24	19.16	19.25	19.20					
20	16QAM	50	50	19.02	19.22	19.20					
20	16QAM	100	0	19.19	19.34	19.24					
20	64QAM	1	0	18.61	18.50	18.61					
20	64QAM	1	49	18.61	18.58	18.54	20.5	1			
20	64QAM	1	99	18.61	18.58	18.57					
20	64QAM	50	0	17.51	17.61	17.59					
20	64QAM	50	24	17.52	17.54	17.60					
20	64QAM	50	50	17.53	17.55	17.52					
20	64QAM	100	0	17.50	17.55	17.69	19.5	2			
Channel											
Frequency (MHz)				1867.5	18900	19125			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5					
15	QPSK	1	0	20.48	20.63	20.55	21.5	0			
15	QPSK	1	37	20.26	20.49	20.27					
15	QPSK	1	74	20.29	20.42	20.27					
15	QPSK	36	0	20.45	20.57	20.46					
15	QPSK	36	20	20.32	20.52	20.33					
15	QPSK	36	39	20.28	20.43	20.30	21.5	0			
15	QPSK	75	0	20.44	20.63	20.55					
15	16QAM	1	0	20.45	20.59	20.51					
15	16QAM	1	37	20.34	20.44	20.27					
15	16QAM	1	74	20.32	20.34	20.24					
15	16QAM	36	0	19.41	19.51	19.37	20.5	1			
15	16QAM	36	20	19.07	19.30	19.24					
15	16QAM	36	39	19.03	19.24	19.23					
15	16QAM	75	0	19.24	19.29	19.25					
15	64QAM	1	0	18.60	18.52	18.64					
15	64QAM	1	37	18.60	18.58	18.60	20.5	1			
15	64QAM	1	74	18.57	18.55	18.58					
15	64QAM	36	0	17.50	17.58	17.58					
15	64QAM	36	20	17.56	17.53	17.61					
15	64QAM	36	39	17.52	17.57	17.52					
15	64QAM	75	0	17.53	17.51	17.65	19.5	2			
Channel											
Frequency (MHz)				18650	18800	19150			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	18800	1905					
10	QPSK	1	0	20.43	20.56	20.46	21.5	0			
10	QPSK	1	25	20.26	20.42	20.27					
10	QPSK	1	49	20.35	20.42	20.33					
10	QPSK	25	0	20.39	20.58	20.52					
10	QPSK	25	12	20.33	20.45	20.24					
10	QPSK	25	25	20.35	20.44	20.26	21.5	0			
10	QPSK	50	0	20.46	20.65	20.44					
10	16QAM	1	0	20.41	20.59	20.51					
10	16QAM	1	25	20.26	20.51	20.32					
10	16QAM	1	49	20.25	20.39	20.25					
10	16QAM	25	0	19.35	19.44	19.40	20.5	1			
10	16QAM	25	12	19.17	19.28	19.17					
10	16QAM	25	25	19.06	19.26	19.17					
10	16QAM	50	0	19.20	19.23	19.31					
10	64QAM	1	0	18.60	18.51	18.67					
10	64QAM	1	25	18.66	18.55	18.62	20.5	1			
10	64QAM	1	49	18.58	18.62	18.58					
10	64QAM	25	0	17.53	17.62	17.63					
10	64QAM	25	12	17.56	17.50	17.61					
10	64QAM	25	25	17.53	17.58	17.57					
10	64QAM	50	0	17.52	17.50	17.67	19.5	2			
Channel											
Frequency (MHz)				18625	18800	19175			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5					
5	QPSK	1	0	20.45	20.57	20.53	21.5	0			
5	QPSK	1	12	20.26	20.53	20.30					
5	QPSK	1	24	20.25	20.40	20.30					
5	QPSK	12	0	20.40	20.58	20.46					
5	QPSK	12	7	20.26	20.42	20.32					
5	QPSK	12	13	20.28	20.38	20.25	21.5	0			
5	QPSK	25	0	20.40	20.61	20.46					
5	16QAM	1	0	20.44	20.60	20.50					
5	16QAM	1	12	20.31	20.52	20.34					
5	16QAM	1	24	20.28	20.37	20.31					
5	16QAM	12	0	19.31	19.44	19.39	20.5	1			
5	16QAM	12	7	19.12	19.28	19.21					
5	16QAM	12	13	19.01	19.28	19.26					
5	16QAM	25	0	19.17	19.27	19.24					
5	64QAM	1	0	18.59	18.55	18.58					
5	64QAM	1	12	18.56	18.59	18.64	20.5	1			
5	64QAM	1	24	18.61	18.58	18.59					
5	64QAM	12	0	17.53	17.61	17.67					
5	64QAM	12	7	17.50	17.54	17.63					
5	64QAM	12	13	17.54	17.55	17.57					
5	64QAM	25	0	17.51	17.54	17.69	19.5	2			
Channel											
Frequency (MHz)				18615	18900	19185			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1908.5					
3	QPSK	1	0	20.46	20.61	20.48	21.5	0			
3	QPSK	1	8	20.33	20.47	20.29					
3	QPSK	1	14	20.31	20.46	20.31					
3	QPSK	8	0	20.40	20.60	20.49					
3	QPSK	8	4	20.33	20.50	20.28					
3	QPSK	8	7	20.41	20.42	20.22	21.5	0			
3	QPSK	15	0	20.49	20.62	20.53					
3	16QAM	1	0	20.43	20.56	20.48					
3	16QAM	1	8	20.30	20.49	20.30					
3	16QAM	1	14	20.26	20.43	20.32					
3	16QAM	8	0	19.39	19.53	19.40	20.5	1			
3	16QAM	8	4	19.16	19.27	19.22					
3	16QAM	8	7	19.03	19.21	19.27					
3	16QAM	15	0	19.16	19.33	19.25					
3	64QAM	1	0	18.54	18.53	18.55					
3	64QAM	1	8	18.65	18.56	18.63	20.5	1			
3	64QAM	1	14	18.59	18.57	18.60					
3	64QAM	8	0	17.56	17.63	17.60					
3	64QAM	8	4	17.51	17.52	17.55					
3	64QAM	8	7	17.50	17.55	17.57					
3	64QAM	15	0	17.54	17.53	17.62	19.5	2			
Channel											
Frequency (MHz)				18607	18900	19193			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3					
1.4	QPSK	1	0	20.43	20.52	20.43	21.5	0			
1.4	QPSK	1	3	20.34	20.48	20.27					
1.4	QPSK	1	5	20.33	20.34	20.23					
1.4	QPSK	3	0	20.40	20.61	20.50					
1.4	QPSK	3	1	20.32	20.47	20.28					
1.4	QPSK	3	3	20.25	20.44	20.30	21.5	0			
1.4	QPSK	6	0	20.45	20.58	20.55					
1.4	16QAM	1	0	20.25	20.48	20.26					
1.4	16QAM	1	3	20.25	20.44	20.27					
1.4	16QAM	1	5	20.40	20.63	20.54					
1.4	16QAM	3	0	20.50	20.63	20.47	21.5	0			
1.4	16QAM	3	1	20.25	20.45	20.31					
1.4	16QAM	3	3	20.31	20.38	20.26					
1.4	16QAM	6	0	19.16	19.34	19.16					
1.4	64QAM	1	0	18.51	18.51	18.67					
1.4	64QAM	1	3	18.53	18.55	18.58	20.5	1			
1.4	64QAM	1	5	18.50	18.60	18.59					
1.4	64QAM	3	0	18.51	18.54	18.56					
1.4	64QAM	3	1	18.53	18.51	18.54					
1.4	64QAM	3	3	18.58	18.51	18.56					
1.4	64QAM	6	0	17.59	17.57	17.70	19.5	2			

Band 4 Ant4 NSA DSI6

Band 25 Ant4 NSA DSI6											
BW (MHz)	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)				1660	1680	1605					
20	QPSK	1	0	20.21	20.27	20.19	21.5	0			
20	QPSK	1	49	20.06	20.10	20.18					
20	QPSK	1	99	20.04	20.10	20.08					
20	QPSK	50	0	20.10	20.25	20.18	21.5	0			
20	QPSK	50	24	20.09	20.09	20.11					
20	QPSK	50	50	20.07	20.23	20.12					
20	QPSK	100	0	20.05	20.08	20.07	21.5	0			
20	16QAM	1	0	20.09	20.21	20.14					
20	16QAM	1	49	20.09	20.04	20.11					
20	16QAM	1	99	20.09	20.09	20.07	21.5	0			
20	16QAM	50	0	19.24	19.32	19.22					
20	16QAM	50	24	19.01	19.22	19.07					
20	16QAM	50	50	19.02	19.28	19.08	20.5	1			
20	16QAM	100	0	19.01	19.23	19.03					
20	64QAM	1	0	19.42	19.51	19.36					
20	64QAM	1	49	19.26	19.34	19.26	20.5	1			
20	64QAM	1	99	19.37	19.46	19.39					
20	64QAM	50	0	18.24	18.34	18.29					
20	64QAM	50	24	18.24	18.25	18.25	19.5	2			
20	64QAM	50	50	18.07	18.34	18.13					
20	64QAM	100	0	18.25	18.20	18.08					
Channel				26115	26340	26615					
Frequency (MHz)				1851.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)			
15	QPSK	1	0	20.20	20.24	20.18	21.5	0			
15	QPSK	1	37	20.08	20.22	20.15					
15	QPSK	1	74	20.08	20.07	20.10					
15	QPSK	36	0	20.14	20.25	20.20	21.5	0			
15	QPSK	36	20	20.09	20.14	20.17					
15	QPSK	36	39	20.10	20.21	20.19					
15	QPSK	75	0	20.04	20.05	20.08	21.5	0			
15	16QAM	1	0	20.06	20.22	20.19					
15	16QAM	1	37	20.04	20.08	20.13					
15	16QAM	1	74	20.10	20.05	20.00	20.5	1			
15	16QAM	36	0	19.20	19.29	19.18					
15	16QAM	36	20	19.20	19.19	19.19					
15	16QAM	36	39	19.23	19.26	19.18	20.5	1			
15	16QAM	75	0	19.01	19.21	19.04					
15	64QAM	1	0	19.28	19.30	19.33					
15	64QAM	1	37	19.10	19.17	19.13	20.5	1			
15	64QAM	1	74	19.35	19.23	19.16					
15	64QAM	36	0	18.20	18.30	18.16					
15	64QAM	36	20	18.13	18.14	18.00	19.5	2			
15	64QAM	36	39	18.07	18.16	18.04					
15	64QAM	75	0	18.12	18.04	18.05					
Channel				26090	26340	26640			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1910					
10	QPSK	1	0	20.11	20.23	20.20	21.5	0			
10	QPSK	1	25	20.10	20.03	20.11					
10	QPSK	1	49	20.08	20.10	20.11					
10	QPSK	25	0	20.11	20.22	20.13	21.5	0			
10	QPSK	25	12	20.02	20.18	20.13					
10	QPSK	25	25	20.04	20.19	20.16					
10	QPSK	50	0	20.07	20.06	20.07	21.5	0			
10	16QAM	1	0	20.09	20.23	20.15					
10	16QAM	1	25	20.10	20.04	20.08					
10	16QAM	1	49	20.09	20.13	20.00	20.5	1			
10	16QAM	25	0	19.20	19.31	19.23					
10	16QAM	25	12	19.20	19.23	19.02					
10	16QAM	25	25	19.18	19.28	19.17	20.5	1			
10	16QAM	50	0	19.00	19.21	19.05					
10	64QAM	1	0	19.13	19.39	19.14					
10	64QAM	1	25	19.10	19.33	19.28	20.5	1			
10	64QAM	1	49	19.24	19.36	19.06					
10	64QAM	25	0	18.19	18.17	18.20					
10	64QAM	25	12	18.19	18.26	18.09	19.5	2			
10	64QAM	25	25	18.16	18.16	18.21					
10	64QAM	50	0	18.20	18.25	18.09					
Channel				26065	26340	26665			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1912.5					
5	QPSK	1	0	20.07	20.24	20.13	21.5	0			
5	QPSK	1	12	20.09	20.10	20.12					
5	QPSK	1	24	20.08	20.18	20.14					
5	QPSK	12	0	20.05	20.06	20.11	21.5	0			
5	QPSK	12	7	20.03	20.14	20.22					
5	QPSK	12	13	20.01	20.21	20.21					
5	QPSK	25	0	20.08	20.20	20.16	21.5	0			
5	16QAM	1	0	20.05	20.05	20.07					
5	16QAM	1	12	20.06	20.21	20.15					
5	16QAM	1	24	20.06	20.06	20.05	20.5	1			
5	16QAM	12	0	19.21	19.20	19.22					
5	16QAM	12	7	19.04	19.22	19.04					
5	16QAM	12	13	19.24	19.27	19.21	20.5	1			
5	16QAM	25	0	19.02	19.20	19.01					
5	64QAM	1	0	19.28	19.40	19.09					
5	64QAM	1	12	19.11	19.31	19.07	20.5	1			
5	64QAM	1	24	19.41	19.40	19.16					
5	64QAM	12	0	18.31	18.15	18.08					
5	64QAM	12	7	18.16	18.20	18.13	19.5	2			
5	64QAM	12	13	18.10	18.14	18.08					
5	64QAM	25	0	18.17	18.04	18.00					
Channel				26055	26340	26675			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1913.5					
3	QPSK	1	0	20.08	20.21	20.17	21.5	0			
3	QPSK	1	8	20.08	20.07	20.11					
3	QPSK	1	14	20.09	20.20	20.18					
3	QPSK	8	0	20.04	20.07	20.09	21.5	0			
3	QPSK	8	4	20.07	20.20	20.15					
3	QPSK	8	7	20.05	20.25	20.15					
3	QPSK	15	0	20.09	20.08	20.07	21.5	0			
3	16QAM	1	0	20.11	20.24	20.19					
3	16QAM	1	8	20.08	20.05	20.10					
3	16QAM	1	14	20.07	20.10	20.00	20.5	1			
3	16QAM	8	0	19.20	19.26	19.26					
3	16QAM	8	4	19.23	19.31	19.20					
3	16QAM	8	7	19.21	19.30	19.22	20.5	1			
3	16QAM	15	0	19.24	19.27	19.22					
3	64QAM	1	0	19.12	19.20	19.09					
3	64QAM	1	8	19.22	19.26	19.28	20.5	1			
3	64QAM	1	14	19.32	19.33	19.19					
3	64QAM	8	0	18.15	18.13	18.04					
3	64QAM	8	4	18.26	18.15	18.08	19.5	2			
3	64QAM	8	7	18.21	18.12	18.18					
3	64QAM	15	0	18.13	18.20	18.06					
Channel				26047	26340	26683			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1914.3					
1.4	QPSK	1	0	20.10	20.18	20.20	21.5	0			
1.4	QPSK	1	3	20.10	20.08	20.12					
1.4	QPSK	1	5	20.22	20.16	20.17					
1.4	QPSK	3	0	20.25	20.16	20.12	21.5	0			
1.4	QPSK	3	1	20.04	20.19	20.19					
1.4	QPSK	3	3	20.05	20.11	20.08					
1.4	QPSK	6	0	20.14	20.21	20.16	21.5	0			
1.4	16QAM	1	0	20.05	20.14	20.17					
1.4	16QAM	1	3	20.03	20.23	20.23					
1.4	16QAM	1	5	20.06	20.23	20.19	21.5	0			
1.4	16QAM	3	0	20.08	20.07	20.11					
1.4	16QAM	3	1	20.06	20.19	20.15					
1.4	16QAM	3	3	20.03	20.07	20.09	20.5	1			
1.4	16QAM	6	0	19.15	19.27	19.18					
1.4	64QAM	1	0	19.43	19.39	19.37					
1.4	64QAM	1	3	19.23	19.22	19.10	20.5	1			
1.4	64QAM	1	5	19.40	19.22	19.21					
1.4	64QAM	3	0	19.30	19.31	19.22					
1.4	64QAM	3	1	19.13	19.28	19.21	19.5	2			

Band 48 Ant5 NSA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	17.47	17.56	17.47	17.24	19	0
20	QPSK	1	49	17.34	17.24	17.43	17.21		
20	QPSK	1	99	17.19	17.12	17.20	17.18		
20	QPSK	50	0	17.12	17.36	17.13	17.30		
20	QPSK	50	24	17.10	17.14	17.03	17.14	19	0
20	QPSK	50	50	17.12	17.25	17.04	17.21		
20	QPSK	100	0	17.01	17.20	17.16	17.14		
20	16QAM	1	0	17.09	17.29	17.07	17.17		
20	16QAM	1	49	17.03	17.11	17.15	17.14	19	0
20	16QAM	1	99	17.10	17.13	17.05	17.07		
20	16QAM	50	0	17.17	17.28	17.05	17.11		
20	16QAM	50	24	17.00	17.15	17.06	17.12		
20	16QAM	50	50	17.20	17.18	17.26	17.03	19	0
20	16QAM	100	0	17.06	17.00	17.08	17.20		
20	64QAM	1	0	17.01	17.07	17.06	17.16		
20	64QAM	1	49	17.13	17.02	17.12	17.14		
20	64QAM	1	99	17.19	17.25	17.30	17.04	19	0
20	64QAM	50	0	17.07	17.36	17.02	17.03		
20	64QAM	50	24	17.25	17.12	17.11	17.14		
20	64QAM	50	50	17.17	17.09	17.08	17.08		
20	64QAM	100	0	17.07	17.02	17.17	17.16		
Channel				55315	55820	56160	56655		
Frequency (MHz)				3557.5	3608	3642	3692.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	0	17.25	17.47	17.35	17.14	19	0
15	QPSK	1	37	17.21	17.06	17.32	17.17		
15	QPSK	1	74	17.20	17.17	17.10	17.15		
15	QPSK	36	0	17.09	17.19	17.27	17.11		
15	QPSK	36	20	17.17	17.03	17.02	17.06	19	0
15	QPSK	36	39	17.10	17.02	17.13	17.03		
15	QPSK	75	0	17.13	17.14	17.03	17.03		
15	16QAM	1	0	17.04	17.21	17.12	17.08		
15	16QAM	1	37	17.09	17.12	17.05	17.02	19	0
15	16QAM	1	74	17.09	17.19	17.11	17.03		
15	16QAM	36	0	17.01	17.21	17.00	17.06		
15	16QAM	36	20	17.06	17.03	17.08	17.02		
15	16QAM	36	39	17.10	17.05	17.13	17.11	19	0
15	16QAM	75	0	17.03	17.17	17.03	17.03		
15	64QAM	1	0	17.06	17.15	17.15	17.10		
15	64QAM	1	37	17.08	17.12	17.03	17.03		
15	64QAM	1	74	17.13	17.20	17.06	17.06	19	0
15	64QAM	36	0	17.01	17.31	17.04	17.08		
15	64QAM	36	20	17.18	17.06	17.30	17.13		
15	64QAM	36	39	17.06	17.03	17.13	17.12		
15	64QAM	75	0	17.10	17.04	17.06	17.03		
Channel				55290	55815	56165	56690		
Frequency (MHz)				3555	3607.5	3642.5	3695	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	17.23	17.47	17.52	17.15	19	0
10	QPSK	1	25	17.32	17.06	17.16	17.12		
10	QPSK	1	49	17.09	17.14	17.14	17.04		
10	QPSK	25	0	17.14	17.15	17.18	17.22		
10	QPSK	25	12	17.10	17.11	17.13	17.12	19	0
10	QPSK	25	25	17.07	17.13	17.07	17.13		
10	QPSK	50	0	17.02	17.08	17.10	17.03		
10	16QAM	1	0	17.06	17.25	17.03	17.03		
10	16QAM	1	25	17.13	17.06	17.11	17.12	19	0
10	16QAM	1	49	17.01	17.12	17.11	17.04		
10	16QAM	25	0	17.12	17.15	17.03	17.04		
10	16QAM	25	12	17.06	17.03	17.01	17.01		
10	16QAM	25	25	17.22	17.05	17.21	17.04	19	0
10	16QAM	50	0	17.04	17.06	17.11	17.16		
10	64QAM	1	0	17.10	17.01	17.06	17.03		
10	64QAM	1	25	17.06	17.02	17.19	17.02		
10	64QAM	1	49	17.04	17.11	17.19	17.16	19	0
10	64QAM	25	0	17.02	17.11	17.02	17.06		
10	64QAM	25	12	17.01	17.12	17.04	17.00		
10	64QAM	25	25	17.06	17.10	17.04	17.03		
10	64QAM	50	0	17.06	17.05	17.17	17.12		
Channel				55265	55810	56170	56715		
Frequency (MHz)				3552.5	3607	3643	3697.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	17.34	17.49	17.39	17.07	19	0
5	QPSK	1	12	17.26	17.09	17.22	17.02		
5	QPSK	1	24	17.14	17.04	17.16	17.13		
5	QPSK	12	0	17.09	17.27	17.01	17.27		
5	QPSK	12	7	17.09	17.08	17.02	17.10	19	0
5	QPSK	12	13	17.03	17.17	17.00	17.22		
5	QPSK	25	0	17.01	17.06	17.12	17.05		
5	16QAM	1	0	17.03	17.17	17.09	17.04		
5	16QAM	1	12	17.03	17.04	17.12	17.08	19	0
5	16QAM	1	24	17.04	17.00	17.06	17.09		
5	16QAM	12	0	17.10	17.11	17.04	17.12		
5	16QAM	12	7	17.05	17.12	17.05	17.01		
5	16QAM	12	13	17.15	17.07	17.16	17.12	19	0
5	16QAM	25	0	17.00	17.03	17.12	17.10		
5	64QAM	1	0	17.07	17.12	17.02	17.07		
5	64QAM	1	12	17.04	17.03	17.12	17.06		
5	64QAM	1	24	17.15	17.09	17.08	17.00	19	0
5	64QAM	12	0	17.11	17.26	17.09	17.15		
5	64QAM	12	7	17.06	17.19	17.06	17.02		
5	64QAM	12	13	17.01	17.00	17.04	17.05		
5	64QAM	25	0	17.12	17.12	17.17	17.19		

Uplink CA Full Power

CA_5B Ant0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.28	24.00
20476	20575	QPSK	1	49	1	0	22.34	24.00
20600	20501	QPSK	1	0	1	49	22.25	24.00

CA_5B Ant4								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	1	49	1	0	22.16	24.00
20476	20575	QPSK	1	49	1	0	22.20	24.00
20600	20501	QPSK	1	0	1	49	22.11	24.00

CA_66C Ant0								
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	22.32	24.00
132322	132520	QPSK	1	99	1	0	22.40	24.00
132572	132374	QPSK	1	0	1	99	22.22	24.00

CA_66B Ant0								
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	22.38	24.00
132322	132415	QPSK	1	74	1	0	22.37	24.00
132597	132504	QPSK	1	0	1	74	22.25	24.00

CA_66C Ant4								
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	20.95	22.50
132322	132520	QPSK	1	99	1	0	21.10	22.50
132572	132374	QPSK	1	0	1	99	20.89	22.50

CA_66B Ant4								
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	132245	QPSK	1	74	1	0	20.83	22.50
132322	132520	QPSK	1	74	1	0	21.02	22.50
132597	132399	QPSK	1	0	1	74	20.98	22.50

CA_41C Ant1								
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	22.18	24
40185	40383	QPSK	1	99	1	0	22.21	24
40620	40818	QPSK	1	99	1	0	22.30	24
41055	41253	QPSK	1	99	1	0	22.09	24
41490	41292	QPSK	1	0	1	99	22.16	24

CA_41C HPUE Ant1								
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	25.12	27
40185	40383	QPSK	1	99	1	0	25.07	27
40620	40818	QPSK	1	99	1	0	25.23	27
41055	41253	QPSK	1	99	1	0	25.15	27
41490	41292	QPSK	1	0	1	99	25.18	27

CA_48C Ant5								
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		
55340	55538	QPSK	1	99	1	0	22.26	24
55830	56028	QPSK	1	99	1	0	22.31	24
56640	56442	QPSK	1	0	1	99	22.20	24

CA_48B Ant5								
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		
55315	55408	QPSK	1	74	1	0	22.25	24
55820	55913	QPSK	1	74	1	0	22.27	24
56665	56572	QPSK	1	0	1	74	22.23	24



Uplink CA Reduced Power

SA Sensor									
CA_60C Ant4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	18.82	18.50	
132322	132520	QPSK	1	99	1	0	17.60	18.50	
132372	132374	QPSK	1	0	1	99	16.88	18.50	

SA Handheld									
CA_60C Ant0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	20.28	22.00	
132322	132520	QPSK	1	99	1	0	20.47	22.00	
132372	132374	QPSK	1	0	1	99	20.25	22.00	

SA Botspot									
CA_60C Ant0									
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	15.20	17.00	
132322	132520	QPSK	1	99	1	0	15.42	17.00	
132372	132374	QPSK	1	0	1	99	15.42	17.00	

NSA Sensor									
CA_60C Ant0									
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	13.71	15.50	
132322	132520	QPSK	1	99	1	0	13.96	15.50	
132372	132374	QPSK	1	0	1	99	13.88	15.50	

NSA Handheld									
CA_60C Ant0									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	17.86	19.50	
132322	132520	QPSK	1	99	1	0	18.04	19.50	
132372	132374	QPSK	1	0	1	99	17.90	19.50	

NSA Botspot									
CA_60C Ant0									
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	12.31	14.00	
132322	132520	QPSK	1	99	1	0	12.50	14.00	
132372	132374	QPSK	1	0	1	99	12.38	14.00	

SA Receiver									
CA_60C Ant4									
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	20.57	22.00	
132322	132520	QPSK	1	99	1	0	20.63	22.00	
132372	132374	QPSK	1	0	1	99	20.38	22.00	

SA Botspot&Sensor&NSA Handheld									
CA_60C Ant4									
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	20.18	21.50	
132322	132520	QPSK	1	99	1	0	20.15	21.50	
132372	132374	QPSK	1	0	1	99	20.20	21.50	

NSA Receiver&Sensor&Botspot									
CA_60C Ant4									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132270	QPSK	1	99	1	0	17.95	19.50	
132322	132520	QPSK	1	99	1	0	18.12	19.50	
132372	132374	QPSK	1	0	1	99	17.87	19.50	

SA Botspot&Sensor									
CA_41C Ant1									
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	39848	QPSK	1	99	1	0	17.71	19.5	
40185	40383	QPSK	1	99	1	0	17.73	19.5	
40620	40818	QPSK	1	99	1	0	17.90	19.5	
41055	41253	QPSK	1	99	1	0	17.85	19.5	
41490	41292	QPSK	1	0	1	99	17.71	19.5	

SA Handheld									
CA_41C Ant1									
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	39848	QPSK	1	99	1	0	19.25	21	
40185	40383	QPSK	1	99	1	0	19.21	21	
40620	40818	QPSK	1	99	1	0	19.41	21	
41055	41253	QPSK	1	99	1	0	19.24	21	
41490	41292	QPSK	1	0	1	99	19.25	21	

SA Receiver									
CA_48C Ant5									
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			
55340	55638	QPSK	1	99	1	0	16.28	18	
55830	56028	QPSK	1	99	1	0	16.45	18	
56640	56442	QPSK	1	0	1	99	16.16	18	

SA Botspot&Sensor									
CA_48C Ant5									
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			
55340	55638	QPSK	1	99	1	0	16.89	18.5	
55830	56028	QPSK	1	99	1	0	17.00	18.5	
56640	56442	QPSK	1	0	1	99	16.57	18.5	

SA Handheld									
CA_48C Ant5									
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			
55340	55638	QPSK	1	99	1	0	20.92	22.5	
55830	56028	QPSK	1	99	1	0	21.05	22.5	
56640	56442	QPSK	1	0	1	99	21.04	22.5	

NSA Receiver									
CA_48C Ant5									
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			
55340	55638	QPSK	1	99	1	0	12.34	14	
55830	56028	QPSK	1	99	1	0	12.43	14	
56640	56442	QPSK	1	0	1	99	12.11	14	

NSA Botspot&Sensor									
CA_48C Ant5									
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			
55340	55638	QPSK	1	99	1	0	12.89	14.5	
55830	56028	QPSK	1	99	1	0	13.05	14.5	
56440	56442	QPSK	1	0	1	99	12.68	14.5	

2CA DL

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	UL#	UL	DL Antenna	Configuratio n	LTE	BW	DL	DL	DL Antenna	Tx. Power (dBm)	Without CA Tx. Power (dBm)
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel	Configuratio n		
CA_2A-29A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		22.27	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		21.48	21.61
CA_4A-17A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790		22.45	22.56
	Band 17	Ant0	10M	710	23790	QPSK	1	0		Band 4	20M	2133	2175	4xMIMO	22.20	22.38
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 17	10M	740	5790		21.26	21.43
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.25	22.40
CA_5A-7A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.71	22.85
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.23	22.43
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4xMIMO	22.33	22.40
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 30	10M	2355	9820	4xMIMO	22.34	22.43
CA_5A-30A	Band 30	Ant0	10M	2310	27710	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.64	22.79
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.22	22.40
CA_5A-41A	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4xMIMO	22.27	22.43
	Band 41	Ant0	20M	2593	40620	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525		22.40	22.50
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4xMIMO	Band 7	5M	2544	3193	4xMIMO	22.75	22.85
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095		22.64	22.85
CA_7A-12A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.24	22.44
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.12	22.30
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 29	20M	1960	8340	4xMIMO	22.66	22.85
	Band 29	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	22.24	22.41
CA_7A-25A	Band 25	Ant4	20M	1880	26340	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	21.06	21.24
	Band 25	Ant0	20M	1880	26340	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	22.29	22.41
CA_25A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 25	20M	1960	8340	4xMIMO	22.48	22.61
	Band 25	Ant4	20M	1880	26340	QPSK	1	0	4xMIMO	Band 66	20M	2155	66886	4xMIMO	21.14	21.24
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 25	20M	1960	8340	4xMIMO	21.21	21.29
	Band 30	Ant0	10M	2310	27710	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		22.61	22.79
CA_29A-30A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		22.52	22.61
CA_29A-66A	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 29	10M	722.5	9715		21.12	21.29
CA_48B	Band 48	Ant0	10M	3607.5	55815	QPSK	1	0	4xMIMO	Band 48	10M	3617	55914	4xMIMO	22.48	22.67
CA_4A-48A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	22.49	22.56
	Band 48	Ant0	20M	3609	55830	QPSK	1	0	4xMIMO	Band 4	20M	2133	2175	4xMIMO	22.61	22.67
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 48	20M	3609	55830	4xMIMO	21.39	21.43
	Band 48	Ant4	20M	3609	55830	QPSK	1	0	4xMIMO	Band 4	20M	2133	2175	4xMIMO	22.64	22.67
CA_7A-71A	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4xMIMO	Band 71	20M	683	68786		22.78	22.85
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.39	22.44
	Band 71	Ant4	20M	683	133322	QPSK	1	0		Band 7	20M	2655	3100	4xMIMO	22.41	22.48

3CA DL

3CA List	PCC										SCC1				SCC2				Power	
	LTE	BW	BW	UL		UL	UL	UL	DL Antenna Configuration	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	11th CA Tx. Power (dBm)	Without CA Tx. Power (dBm)			
	Band	Ant	(MHz)	Freq. (MHz)	Channel	Mod.	RB	RB Offset	Band		(MHz)	Freq. (MHz)	Channel							
CA_2A-2A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	22.25	22.40
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.37	22.56
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	21.45	21.61
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	21.35	21.43
CA_2A-2A-5A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 5	10M	881.5	2525	22.22	22.40
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	22.28	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 5	10M	881.5	2525	21.45	21.61
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	22.28	22.43
CA_2A-2A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 7	20M	2655	3100	22.22	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 7	20M	2655	3100	21.42	21.61
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 4	20M	2132.5	2175	22.72	22.85
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 12	10M	737.5	5095	22.29	22.40
CA_2A-2A-12A	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.35	22.44
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 12	10M	737.5	5095	21.51	21.61
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.22	22.30
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 13	10M	751	5230	22.26	22.40
CA_2A-2A-13A	Band 13	Ant0	10M	782	23230	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	5M	1987.5	1175	22.32	22.51
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 13	10M	751	5230	21.45	21.61
	Band 13	Ant4	10M	782	23230	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.36	22.48
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 14	10M	740	5330	22.22	22.40
CA_2A-2A-14A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 14	10M	740	5330	21.41	21.61
	Band 14	Ant0	10M	793	23330	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.38	22.48
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 30	10M	2355	9820	22.30	22.40
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.71	22.79
CA_2C-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 66	20M	2155	66886	22.31	22.40
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	22.53	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1979.8	1098	4xMIMO	Band 66	20M	2155	66886	21.52	21.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	20M	1979.8	1098	21.20	21.29
CA_2A-2A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 66	20M	2155	66886	22.28	22.40
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.50	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 66	20M	2155	66886	21.45	21.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	5M	1987.5	1175	21.10	21.29
CA_2A-2A-71A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 71	20M	683	68786	22.31	22.40
	Band 71	Ant0	20M	683	133322	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 2	5M	1987.5	1175	22.24	22.44
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	5M	1987.5	1175	4xMIMO	Band 71	20M	683	68786	21.53	21.61
	Band 71	Ant4	20M	683	133322	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	5M	1987.5	1175	22.36	22.48
CA_2A-4A-4A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 2	5M	1987.5	1175	22.30	22.48
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 4	5M	2152.5	2375	22.30	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 2	20M	1880	900	22.41	22.56
	Band 4	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	1732.5	2175	4xMIMO	Band 4	5M	2152.5	2375	21.43	21.61
CA_2A-4A-5A	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 4	5M	2152.5	2375	4xMIMO	Band 2	20M	1880	900	21.34	21.43
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525	22.21	22.40
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 2	20M	1960	900	22.39	22.56
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	22.18	22.40
CA_2A-4A-7A	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 5	10M	881.5	2525	21.54	21.61
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 5	10M	881.5	2525	4xMIMO	Band 2	20M	1960	900	21.29	21.43
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	22.35	22.43
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	22.31	22.40
CA_2A-4A-12A	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	22.42	22.56
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 7	20M	2655	3100	21.47	21.61
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 7	20M	2655	3100	4xMIMO	Band 2	20M	1960	900	21.24	21.43
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	22.64	22.85
CA_2A-4A-13A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 12	10M	737.5	5095	22.19	22.40
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	Band 2	20M	1960	900	22.46	22.56
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1880	900	4xMIMO	Band 4	20M	2132.5	2175	22.32	22.44
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 12	10M	737.5	5095	21.43	21.61
CA_2A-4A-14A	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 12	10M	737.5	5095	4xMIMO	Band 2	20M	1960	900	21.25	21.43
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0	4xMIMO	Band 2	20M	1960	900	4xMIMO	Band 4	20M	2132.5	2175	22.13	22.30
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4xMIMO	Band 4	20M	2132.5	2175	4xMIMO	Band 13	10M	751	5230	22.29	22.40
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4xMIMO	Band 13	10M	751	5230	4xMIMO	Band 2	20M	1960	900	22.41	22.56

CA_2A-12A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	22.29	22.40
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.30	22.44
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		22.47	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 66	20M	2155	66886	4x4MIMO	21.47	21.61
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.20	22.30
CA_2A-13A-48A	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 12	10M	737.5	5095		21.18	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	22.22	22.40
	Band 13	Ant0	10M	762	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.30	22.51
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 48	20M	3609	55830	4x4MIMO	21.49	21.61
	Band 13	Ant4	10M	762	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.31	22.48
CA_2A-13A-66A	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.60	22.67
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	22.20	22.40
	Band 13	Ant0	10M	762	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.43	22.51
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		22.45	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 13	10M	751	5230		Band 66	20M	2155	66886	4x4MIMO	21.51	21.61
CA_2A-14A-30A	Band 13	Ant4	10M	762	23230	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.35	22.48
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 13	10M	751	5230		21.18	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820	4x4MIMO	22.24	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 30	10M	2355	9820	4x4MIMO	21.45	21.61
	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.37	22.48
CA_2A-14A-66A	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		22.58	22.79
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4x4MIMO	22.29	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 14	10M	763	5330		Band 66	20M	2155	66886	4x4MIMO	21.48	21.61
	Band 14	Ant0	10M	793	23330	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.38	22.48
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		22.62	22.61
CA_2A-29A-30A	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 14	10M	763	5330		21.11	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MIMO	22.24	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 29	10M	722.5	9715		Band 30	10M	2355	9820	4x4MIMO	21.46	21.61
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 29	10M	722.5	9715		22.60	22.79
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.27	22.40
CA_2A-30A-66A	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.43	21.61
	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.68	22.79
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	22.44	22.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 30	10M	2355	9820	4x4MIMO	21.20	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.32	22.40
CA_2A-48C	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	21.51	21.61
	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.46	22.67
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.32	22.40
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	21.53	21.61
	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.48	22.67
CA_2A-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	22.44	22.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	21.08	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.29	22.40
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.48	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	5M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	21.49	21.61
CA_2A-66B	Band 66	Ant4	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.18	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.32	22.40
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.52	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	21.40	21.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.18	21.29
CA_2A-66A-66A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.30	22.40
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.45	22.61
	Band 2	Ant4	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	5M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	21.54	21.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	21.14	21.29
	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 71	20M	683	68786	4x4MIMO	22.18	22.40
CA_2A-66A-71A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 71	20M	683	68786	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	22.41	22.61
	Band 71	Ant0	20M	683	133322	QPSK	1	0		Band 2	20M	1960	900	4x4MIMO	Band 66	20M	2155	66886	4		

CA_5A-48A-66A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.20	22.40
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.26	22.43
	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 5	10M	881.5	2525		22.48	22.67
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	22.47	22.61
CA_5A-66B	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	21.12	21.29
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.27	22.40
	Band 66	Ant0	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		22.42	22.61
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.23	22.43
CA_5A-66C	Band 66	Ant4	15M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 5	10M	881.5	2525		21.21	21.29
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.20	22.40
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		22.45	22.61
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.29	22.43
CA_5A-66A-66A	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 5	10M	881.5	2525		21.07	21.29
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.25	22.40
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		22.44	22.61
	Band 5	Ant4	10M	836.5	20525	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.29	22.43
CA_7C-13A	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 5	10M	881.5	2525		21.21	21.29
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 13	10M	751	5230		22.76	22.85
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.33	22.51
	Band 13	Ant4	10M	782	23230	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.37	22.48
CA_7C-66A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.68	22.85
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.52	22.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	21.20	21.29
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	22.40	22.61
CA_7A-7A-66A	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	21.13	21.29
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.69	22.85
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.37	22.44
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 30	10M	2355	9820	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.18	22.30
CA_12A-30A-66A	Band 30	Ant1	10M	2310	27710	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 12	10M	737.5	5095		22.64	22.79
	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MIMO	22.48	22.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 30	10M	2355	9820	4x4MIMO	21.15	21.29
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.27	22.44
CA_12A-66C	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 12	10M	737.5	5095		22.54	22.61
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	22.21	22.30
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	20M	2174.8	67084	4x4MIMO	Band 12	10M	737.5	5095		21.14	21.29
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.25	22.44
CA_12A-66A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		22.49	22.61
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 66	20M	2155	66886	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	22.17	22.30
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2197.5	67311	4x4MIMO	Band 12	10M	737.5	5095		21.12	21.29
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 12	5M	743.5	5155		Band 66	20M	2155	66886	4x4MIMO	22.24	22.44
CA_12B-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	5M	743.5	5155		Band 66	20M	2155	66886	4x4MIMO	22.44	22.61
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 12	5M	743.5	5155		Band 66	20M	2155	66886	4x4MIMO	22.23	22.30
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 12	10M	737.5	5095		Band 12	5M	743.5	5155		21.20	21.29
	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.32	22.44
CA_12A-48C	Band 12	Ant0	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.13	22.30
	Band 12	Ant4	10M	707.5	23095	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 12	10M	737.5	5095		22.52	22.67
	Band 13	Ant0	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.30	22.51
	Band 13	Ant4	10M	782	23230	QPSK	1	0	4x4MIMO	Band 48	20M	3609	55830	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	22.35	22.48
CA_13A-48C	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 48	20M	3628.8	56028	4x4MIMO	Band 13	10M	751	5230		22.55	22.67
	Band 13	Ant0	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.32	22.51
	Band 13	Ant4	10M	782	23230	QPSK	1	0		Band 48	20M	3609	55830	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	22.32	22.48
	Band 48	Ant5	20M	3609	55830	QPSK	1	0	4x4MIMO	Band 66	20M	2155	66886	4x4MIMO	Band 13	10M	751	5230		22.55	22.67
CA_13A-48A-66A	Band 66	Ant0	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	22.40	22.61
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		Band 48	20M	3609	55830	4x4MIMO	21.12	21.29
	Band 13	Ant0	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	15M	2155	66886	4x4MIMO	Band 66	5M	2164.3	66979	4x4MIMO	22.37	22.51
	Band 66	Ant4	20M	1745	132322	QPSK	1	0	4x4MIMO	Band 66	5M	2154.3	66879	4x4MIMO	Band 13	10M	751	5230		22.52	22.61
CA_13A-66B	Band 13	Ant4	10M	782	23230	QPSK	1	0	4x4MIMO	Band 66	15M										



Full Power Mode for 5GNR

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				375000	376000	379000			
Frequency (MHz)									
30	Pi2 BPSK	1	1	22.40	22.45	22.32			
30	Pi2 BPSK	1	80	22.81	22.87	22.75	24.0	0.0	
30	Pi2 BPSK	1	158	22.44	22.49	22.38			
30	Pi2 BPSK	80	0	22.82	22.69	22.55	23.5	0.5	
30	Pi2 BPSK	80	40	22.83	22.77	22.68	24.0	0.0	
30	Pi2 BPSK	80	80	22.45	22.54	22.40	23.5	0.5	
30	Pi2 BPSK	160	0	22.51	22.60	22.47			
30	QPSK	1	1	22.78	22.90	22.61			
30	QPSK	1	80	22.74	22.80	22.62	24.0	0.0	
30	QPSK	1	158	22.27	22.42	22.30			
30	QPSK	80	0	22.57	22.66	22.59	23.0	1.0	
30	QPSK	80	40	22.84	22.72	22.57	24.0	0.0	
30	QPSK	80	80	22.39	22.51	22.38	23.0	1.0	
30	QPSK	160	0	22.83	22.68	22.58			
30	16QAM	1	1	22.14	22.22	22.17	23.0	1.0	
30	64QAM	1	1	22.13	22.17	22.07	21.5	2.5	
30	256QAM	1	1	21.53	21.61	21.49	19.5	4.5	
Channel				375000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.72	22.85	22.58	24.0	0.0	
Channel				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	Pi2 BPSK	1	1	22.35	22.38	22.29			
20	Pi2 BPSK	1	53	22.72	22.85	22.74	24.0	0.0	
20	Pi2 BPSK	1	104	22.41	22.39	22.35			
20	Pi2 BPSK	50	0	22.55	22.61	22.50	23.5	0.5	
20	Pi2 BPSK	50	28	22.83	22.72	22.63	24.0	0.0	
20	Pi2 BPSK	50	56	22.39	22.51	22.32	23.5	0.5	
20	Pi2 BPSK	100	0	22.50	22.56	22.41			
20	QPSK	1	1	22.74	22.82	22.60			
20	QPSK	1	53	22.70	22.89	22.62	24.0	0.0	
20	QPSK	1	104	22.20	22.35	22.23			
20	QPSK	50	0	22.48	22.59	22.50	23.0	1.0	
20	QPSK	50	28	22.84	22.68	22.52	24.0	0.0	
20	QPSK	50	56	22.31	22.47	22.33	23.0	1.0	
20	QPSK	100	0	22.55	22.59	22.53			
20	16QAM	1	1	22.07	22.16	22.15	23.0	1.0	
20	64QAM	1	1	22.07	22.15	22.01	21.5	2.5	
20	256QAM	1	1	21.53	21.60	21.48	19.5	4.5	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.70	22.85	22.56	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.66	22.89	22.50	24.0	0.0	
Channel				372000	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.74	22.81	22.56	24.0	0.0	

n5 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					167300				
Frequency (MHz)					836.5				
25	Pi2 BPSK	1	1		22.52				
25	Pi2 BPSK	1	80		22.73		24.0		0.0
25	Pi2 BPSK	1	158		22.69				
25	Pi2 BPSK	80	0		22.37		23.5		0.5
25	Pi2 BPSK	80	40		22.78		24.0		0.0
25	Pi2 BPSK	80	80		22.43		23.5		0.5
25	Pi2 BPSK	160	0		22.47				
25	QPSK	1	1		22.76				
25	QPSK	1	80		22.70		24.0		0.0
25	QPSK	1	158		22.85				
25	QPSK	80	0		21.89		23.0		1.0
25	QPSK	80	40		22.90		24.0		0.0
25	QPSK	80	80		21.91		23.0		1.0
25	QPSK	160	0		21.98				
25	16QAM	1	1		21.23		23.0		1.0
25	64QAM	1	1		19.75		21.5		2.5
25	256QAM	1	1		18.44		19.5		4.5
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836	838			
20	Pi2 BPSK	1	1	22.47	22.49	22.37			
20	Pi2 BPSK	1	53	22.64	22.68	22.56	24.0	0.0	
20	Pi2 BPSK	1	104	22.50	22.60	22.54			
20	Pi2 BPSK	50	0	22.15	22.36	22.14	23.5	0.5	
20	Pi2 BPSK	50	28	22.64	22.73	22.66	24.0	0.0	
20	Pi2 BPSK	50	56	22.22	22.36	22.31			
20	Pi2 BPSK	100	0	22.30	22.43	22.36	23.5	0.5	
20	QPSK	1	1	22.56	22.87	22.57			
20	QPSK	1	53	22.61	22.66	22.55	24.0	0.0	
20	QPSK	1	104	22.52	22.58	22.51			
20	QPSK	50	0	21.67	21.86	21.77	23.0	1.0	
20	QPSK	50	28	22.70	22.87	22.81	24.0	0.0	
20	QPSK	50	56	21.81	21.91	21.75	23.0	1.0	
20	QPSK	100	0	21.88	21.95	21.79			
20	16QAM	1	1	21.05	21.17	21.12	23.0	1.0	
20	64QAM	1	1	19.84	19.89	19.63	21.5	2.5	
20	256QAM	1	1	18.34	18.36	18.33	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.58	22.65	22.68	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.68	22.82	22.51	24.0	0.0	
Channel				166300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				825.5	836.5	846.5			
5	QPSK	1	1	22.67	22.67	22.72	24.0	0.0	

n12 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)									
15	Pi2 BPSK	1	1	22.77	22.83	22.74			
15	Pi2 BPSK	1	40	22.76	22.79	22.69	24.0	0.0	
15	Pi2 BPSK	1	77	22.68	22.70	22.58			
15	Pi2 BPSK	36	0	22.26	22.32	22.23	23.5	0.5	
15	Pi2 BPSK	36	22	22.74	22.80	22.71	24.0	0.0	
15	Pi2 BPSK	36	43	22.19	22.33	22.20	23.5	0.5	
15	Pi2 BPSK	75	0	22.28	22.36	22.29			
15	QPSK	1	1	22.85	22.87	22.82			
15	QPSK	1	40	22.67	22.75	22.61	24.0	0.0	
15	QPSK	1	77	22.63	22.68	22.58			
15	QPSK	36	0	21.73	21.79	21.67	23.0	1.0	
15	QPSK	36	22	22.76	22.83	22.79	24.0	0.0	
15	QPSK	36	43	21.79	21.84	21.79	23.0	1.0	
15	QPSK	75	0	21.87	21.88	21.83			
15	16QAM	1	1	21.24	21.36	21.30	23.0	1.0	
15	64QAM	1	1	19.99	20.07	19.99	21.5	2.5	
15	256QAM	1	1	18.56	18.65	18.61	19.5	4.5	
Channel				140900	141500	142100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.77	22.76	22.77	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.72	22.76	22.70	24.0	0.0	

n14 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				790	158000				
10	Frequency (MHz)	1	1	22.56					
10	PI2 BPSK	1	25	22.52			24.0	0.0	
10	PI2 BPSK	1	50	22.44					
10	PI2 BPSK	25	0	22.12			23.5	0.5	
10	PI2 BPSK	25	14	22.56			24.0	0.0	
10	PI2 BPSK	25	27	21.94			23.5	0.5	
10	PI2 BPSK	50	0	22.01					
10	QPSK	1	1	22.58			24.0	0.0	
10	QPSK	1	26	22.53					
10	QPSK	1	50	22.47					
10	QPSK	25	0	21.58			23.0	1.0	
10	QPSK	25	14	22.55			24.0	0.0	
10	QPSK	25	27	21.43			23.0	1.0	
10	QPSK	50	0	21.50					
10	16QAM	1	1	21.29			23.0	1.0	
10	64QAM	1	1	19.84			21.5	2.5	
10	256QAM	1	1	18.54			19.5	4.5	
Channel				159100	159000	159100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.44	22.53	22.47	24.0	0.0	

n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	379000			
Frequency (MHz)				1670	1692.5	1695			
40	PI2 BPSK	1	1	22.73	22.75	22.76			
40	PI2 BPSK	1	108	22.76	22.85	22.80	24.0	0.0	
40	PI2 BPSK	1	214	22.05	22.07	22.02			
40	PI2 BPSK	108	0	22.55	22.60	22.52	24.0	0.0	
40	PI2 BPSK	108	54	22.73	22.79	22.72	24.0	0.0	
40	PI2 BPSK	108	108	22.53	22.68	22.55			
40	PI2 BPSK	216	0	22.53	22.65	22.61	24.0	0.0	
40	QPSK	1	1	22.76	22.80	22.75			
40	QPSK	1	108	22.71	22.89	22.79	24.0	0.0	
40	QPSK	1	214	22.07	22.15	22.13			
40	QPSK	108	0	22.45	22.58	22.45	23.0	1.0	
40	QPSK	108	54	22.59	22.72	22.69	24.0	0.0	
40	QPSK	108	108	22.59	22.64	22.63	23.0	1.0	
40	QPSK	216	0	22.64	22.69	22.63			
40	16QAM	1	1	21.71	21.79	21.69	23.0	1.0	
40	64QAM	1	1	21.62	21.74	21.65	23.0	1.0	
40	256QAM	1	1	21.02	21.09	20.95	22.0	2.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1665	1682.5	1690			
30	QPSK	1	1	22.65	22.63	22.62	24.0	0.0	
Channel				372500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1662.5	1682.5	1692.5			
25	QPSK	1	1	22.62	22.78	22.67	24.0	0.0	
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1660	1682.5	1695			
20	QPSK	1	1	22.67	22.81	22.71	24.0	0.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1657.5	1682.5	1697.5			
15	QPSK	1	1	22.67	22.89	22.71	24.0	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1655	1682.5	16910			
10	QPSK	1	1	22.64	22.75	22.69	24.0	0.0	
Channel				370500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1652.5	1682.5	1692.5			
5	QPSK	1	1	22.68	22.79	22.65	24.0	0.0	

n26 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				164800	166300	167800			
Frequency (MHz)				824	831.5	839			
30	PI2 BPSK	1	1	22.61	22.73	22.66			
30	PI2 BPSK	1	53	22.61	22.69	22.65	24.0	0.0	
30	PI2 BPSK	1	104	22.61	22.67	22.54			
30	PI2 BPSK	50	0	22.07	22.14	22.08	23.5	0.5	
30	PI2 BPSK	50	28	22.54	22.66	22.61	24.0	0.0	
30	PI2 BPSK	50	56	22.21	22.29	22.17	23.5	0.5	
30	PI2 BPSK	100	0	22.24	22.35	22.28			
30	QPSK	1	1	22.73	22.76	22.69			
30	QPSK	1	53	22.57	22.69	22.54	24.0	0.0	
30	QPSK	1	104	22.53	22.64	22.52			
30	QPSK	50	0	21.64	21.67	21.61	23.0	1.0	
30	QPSK	50	28	22.66	22.75	22.71	24.0	0.0	
30	QPSK	50	56	21.70	21.79	21.66			
30	QPSK	100	0	21.74	21.82	21.62	23.0	1.0	
30	16QAM	1	1	21.21	21.30	21.16	23.0	1.0	
30	64QAM	1	1	19.68	19.74	19.71	21.5	2.5	
30	256QAM	1	1	18.41	18.46	18.38	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	22.59	22.67	22.62	#REF!	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.59	22.63	22.58	#REF!	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.67	22.72	22.59	#REF!	0.0	

n66 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				346000	349000	352000	24.0	0.0	
Frequency (MHz)				1725	1745	1760			
40	PI2 BPSK	1	1	23.06	23.11	22.99	24.0	0.0	
40	PI2 BPSK	1	108	23.04	23.10	23.12			
40	PI2 BPSK	1	214	23.12	23.15	23.09	24.0	0.0	
40	PI2 BPSK	108	0	22.41	22.47	22.42			
40	PI2 BPSK	108	54	22.84	22.89	22.82	24.0	0.0	
40	PI2 BPSK	108	108	22.38	22.43	22.37			
40	PI2 BPSK	216	0	22.43	22.46	22.32	24.0	0.0	
40	QPSK	1	1	23.02	23.15	23.04			
40	QPSK	1	108	23.08	23.20	23.06	24.0	0.0	
40	QPSK	1	214	23.05	23.05	23.06			
40	QPSK	108	0	22.31	22.42	22.28	23.0	1.0	
40	QPSK	108	54	22.85	22.84	22.74			
40	QPSK	108	108	22.60	22.60	22.60	23.0	1.0	
40	QPSK	216	0	22.85	22.72	22.66			
40	16QAM	1	1	21.81	21.93	21.86	23.0	1.0	
40	64QAM	1	1	21.75	21.87	21.78			
40	256QAM	1	1	21.10	21.21	21.15	22.0	2.0	
Channel				345000	349000	353000			
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	22.87	23.11	22.96			
Channel				347500	349000	350500	24.0	0.0	
Frequency (MHz)				1725	1745	1770			
25	QPSK	1	1	22.99	23.07	23.01	24.0	0.0	
Channel				344000	349000	354000			
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
20	QPSK	1	1	22.94	23.09	22.97			
Channel				343000	349000	354000	24.0	0.0	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.97	23.00	22.83	24.0	0.0	
Channel				343000	349000	355000			
Frequency (MHz)				1718	1745	1775	24.0	0.0	
10	QPSK	1	1	22.88	23.04	22.98			
Channel				342500	349000	355000	24.0	0.0	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.92	23.01	22.95	24.0	0.0	

n70 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500	340500		24.0	0.0	
Frequency (MHz)				1722.5					
15	PI2 BPSK	1	1	22.63			24.0	0.0	
15	PI2 BPSK	1	40	22.55					
15	PI2 BPSK	1	77	22.40			24.0	0.0	
15	PI2 BPSK	36	0	22.44					
15	PI2 BPSK	36	22	22.51			24.0	0.0	
15	PI2 BPSK	36	43	22.64					
15	PI2 BPSK	75	0	22.50			24.0	0.0	
15	QPSK	1	1	22.73					
15	QPSK	1	40	22.51			24.0	0.0	
15	QPSK	1	77	22.44					
15	QPSK	36	0	22.38			24.0	0.0	
15	QPSK	36	22	22.75					
15	QPSK	36	43	22.58			24.0	0.0	
15	QPSK	75	0	22.66					
15	16QAM	1	1	22.49			24.0	0.0	
15	64QAM	1	1	22.08					
15	256QAM	1	1	21.45			23.0	1.0	
Channel				340000	340500	341000			
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	22.59	22.65	22.63			
Channel				339500	340500	341500	24.0	0.0	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.61	22.63	22.60	24.0	0.0	

n71 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mediu Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				134600	136100	137600	24.0	0.0	
Frequency (MHz)				673	680.5	688			
20	PI2 BPSK	1	1	22.57	22.70	22.58	24.0	0.0	
20	PI2 BPSK	1	53	22.49	22.64	22.52			
20	PI2 BPSK	1	104	22.38	22.42	22.33	23.5	0.5	
20	PI2 BPSK	50	0	22.04	22.09	21.98			
20	PI2 BPSK	50	28	22.61	22.68	22.54	24.0	0.0	
20	PI2 BPSK	50	56	22.03	22.06	21.97			
20	PI2 BPSK	100	0	22.06	22.11	21.98	24.0	0.0	
20	QPSK	1	1	22.72	22.77	22.69			
20	QPSK	1	53	22.49	22.60	22.52	24.0	0.0	
20	QPSK	1	104	22.49	22.53	22.45			
20	QPSK	50	0	21.82	21.87	21.85	23.0	1.0	
20	QPSK	50	28	22.73	22.75	22.70			
20	QPSK	50	56	21.49	21.61	21.52	23.0	1.0	
20	QPSK	100	0	21.88	21.75	21.72			
20	16QAM	1	1	21.43	21.49	21.35	23.0	1.0	
20	64QAM	1	1	19.79	19.88	19.75			
20	256QAM	1	1	18.33	18.46	18.38	18.5	4.5	
Channel				134100	136100	138100			
Frequency (MHz)				670.5	680.5	690.5	24.0	0.0	
15	QPSK	1	1	22.65	22.71	22.62			
Channel				133500	136100	138600	24.0	0.0	
Frequency (MHz)				665	680.5	695			
10	QPSK	1	1	22.60	22.73	22.55	24.0	0.0	
Channel				133100	136100	139100			
Frequency (MHz)				665	680.5	695.5	24.0	0.0	
5	QPSK	1	1	22.63	22.69	22.62			

n7 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50500	50700	50900	24.0	0.0	
Frequency (MHz)				2505	2535	2565			
50	PI/2 BPSK	1	1	22.98	23.03	22.92			
50	PI/2 BPSK	1	135	22.98	22.95	22.95	23.5	0.5	
50	PI/2 BPSK	1	268	22.82	22.95	22.73			
50	PI/2 BPSK	135	0	22.48	22.52	22.42			
50	PI/2 BPSK	135	68	22.93	22.99	22.90	24.0	0.0	
50	PI/2 BPSK	135	135	22.41	22.59	22.44			
50	PI/2 BPSK	270	0	22.50	22.61	22.45			
50	QPSK	1	1	23.11	23.16	23.03	24.0	0.0	
50	QPSK	1	135	22.94	22.97	22.86			
50	QPSK	1	268	22.84	22.85	22.75			
50	QPSK	135	0	21.53	21.96	21.87	23.0	1.0	
50	QPSK	135	68	22.95	23.08	22.98			
50	QPSK	135	135	22.06	22.00	22.01			
50	QPSK	270	0	22.72	22.76	22.70	23.0	1.0	
50	16QAM	1	1	21.40	21.58	21.48			
50	64QAM	1	1	20.18	20.23	20.17			
50	256QAM	1	1	18.73	18.86	18.76	21.5	2.5	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	23.06	23.10	22.91	24.0	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	23.07	23.08	22.95	24.0	0.0	
Channel				502000	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	22.96	23.07	22.90	24.0	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2550			
20	PI/2 BPSK	1	1	23.06	23.13	22.99	24.0	0.0	
Channel				501000	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	23.03	23.12	22.90	24.0	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	23.02	23.03	22.95	24.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	23.01	23.04	22.90	24.0	0.0	
Channel									
Frequency (MHz)									

n30 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				460000			24.0	0.0	
Frequency (MHz)				2310					
10	PI/2 BPSK	1	1		22.77				
10	PI/2 BPSK	1	26		22.64		24.0	0.0	
10	PI/2 BPSK	1	50		22.52				
10	PI/2 BPSK	25	0		22.59				
10	PI/2 BPSK	25	14		22.57		24.0	0.0	
10	PI/2 BPSK	25	27		22.80				
10	PI/2 BPSK	50	0		22.64				
10	QPSK	1	1		22.87		24.0	0.0	
10	QPSK	1	26		22.64				
10	QPSK	1	50		22.57				
10	QPSK	25	0		22.51		24.0	0.0	
10	QPSK	25	14		22.53				
10	QPSK	25	27		22.64				
10	QPSK	50	0		22.71		24.0	0.0	
10	16QAM	1	1		22.61				
10	64QAM	1	1		22.23				
10	256QAM	1	1		21.50		23.0	1.0	
Channel				461500	462000	462500			
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	22.73	22.82	22.80	24.0	0.0	
Channel									
Frequency (MHz)									



n41 PC3 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2546.01	2552.99	2640			
100	Pl2 BPSK	1	1	22.65	22.69	22.68	24.0		
100	Pl2 BPSK	1	137	22.64	22.74	22.66			
100	Pl2 BPSK	1	271	22.82	22.87	22.60			
100	Pl2 BPSK	135	0	22.32	22.46	22.38	24.0	0.0	
100	Pl2 BPSK	135	69	22.45	22.74	22.64	24.0	0.0	
100	Pl2 BPSK	135	138	22.53	22.60	22.51	24.0	0.0	
100	Pl2 BPSK	270	0	22.45	22.57	22.48	24.0		
100	QPSK	1	1	22.72	22.72	22.63			
100	QPSK	1	137	22.74	22.76	22.67		0.0	
100	QPSK	1	271	22.88	22.71	22.55	24.0		
100	QPSK	135	0	22.43	22.53	22.41		0.0	
100	QPSK	135	69	22.78	22.87	22.81		0.0	
100	QPSK	135	138	22.42	22.54	22.43	24.0	0.0	
100	QPSK	270	0	22.48	22.56	22.45	23.0		
100	16QAM	1	1	21.55	21.67	21.57		1.0	
100	64QAM	1	1	21.52	21.59	21.50		1.0	
100	256QAM	1	1	20.88	20.99	20.90	22.0	2.0	
Channel				508200	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2644.98	24.0		
90	QPSK	1	1	22.70	22.71	22.77		0.0	
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2552.99	2649.98	24.0		
80	QPSK	1	1	22.68	22.75	22.73		0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2531.01	2552.99	2655	24.0		
70	QPSK	1	1	22.14	22.74	22.69		0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2659.98	24.0		
60	QPSK	1	1	22.65	22.70	22.74		0.0	
Channel				504204	518598	526998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2552.99	2664.99	24.0		
50	QPSK	1	1	22.67	22.76	22.77		0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2552.99	2670	24.0		
40	QPSK	1	1	22.67	22.81	22.67		0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2674.98	24.0		
30	QPSK	1	1	22.72	22.72	22.71		0.0	
Channel				507204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2679.98	24.0		
20	QPSK	1	1	22.66	22.74	22.74		0.0	
Channel				500100	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.01	2552.99	2682.48	24.0		
15	QPSK	1	1	22.75	22.81	22.69		0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2552.99	2690	24.0		
10	QPSK	1	1	22.72	22.75	22.76		0.0	

n41 PC2 Ant									
BW [MHz]	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)				2546.01	2552.99	2640			
100	Pl2 BPSK	1	1	25.22	25.38	25.17	27.0		
100	Pl2 BPSK	1	137	25.29	25.32	25.24			
100	Pl2 BPSK	1	271	25.26	25.38	25.29			
100	Pl2 BPSK	135	0	24.82	24.90	24.86	26.5	0.5	
100	Pl2 BPSK	135	69	25.46	25.50	25.40	27.0	0.0	
100	Pl2 BPSK	135	138	24.79	24.92	24.83	26.5	0.5	
100	Pl2 BPSK	270	0	24.87	24.96	24.81	27.0		
100	QPSK	1	1	25.44	25.45	25.41			
100	QPSK	1	137	25.40	25.48	25.43		0.0	
100	QPSK	1	271	25.40	25.42	25.42	26.0		
100	QPSK	135	0	24.82	24.70	24.65		1.0	
100	QPSK	135	69	25.43	25.53	25.48		0.0	
100	QPSK	135	138	24.74	24.81	24.69	26.0	1.0	
100	QPSK	270	0	24.72	24.85	24.81	26.0		
100	16QAM	1	1	24.50	24.64	24.58		1.0	
100	64QAM	1	1	22.84	22.98	22.92		2.5	
100	256QAM	1	1	20.92	21.02	20.96	22.5	4.5	
Channel				506200	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2644.98	27.0		
90	QPSK	1	1	25.38	25.43	25.35		0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2552.99	2649.98	27.0		
80	QPSK	1	1	25.40	25.39	25.35		0.0	
Channel				506202	518598	531000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2531.01	2552.99	2655	27.0		
70	QPSK	1	1	25.39	25.50	25.39		0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2659.98	27.0		
60	QPSK	1	1	25.30	25.39	25.38		0.0	
Channel				504204	518598	526998	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2521.02	2552.99	2664.99	27.0		
50	QPSK	1	1	25.40	25.45	25.41		0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.01	2552.99	2670	27.0		
40	QPSK	1	1	25.33	25.41	25.40		0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2674.98	27.0		
30	QPSK	1	1	25.30	25.49	25.34		0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2679.98	27.0		
20	QPSK	1	1	25.38	25.40	25.37		0.0	
Channel				500100	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.01	2552.99	2682.48	27.0		
15	QPSK	1	1	25.37	25.49	25.37		0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2552.99	2690	27.0		
10	QPSK	1	1	25.37	25.38	25.36		0.0	

Part270 n77 Ant 1 PC3									
BW [MHz]	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)				650000	658000	662000			
100	Pl2 BPSK	1	1	17.07	17.07	16.96	18.0		
100	Pl2 BPSK	1	137	16.90	16.95	16.94			
100	Pl2 BPSK	1	271	16.92	16.97	16.89			
100	Pl2 BPSK	135	0	16.81	16.81	16.72	18.0	0.0	
100	Pl2 BPSK	135	69	16.99	17.06	17.07	18.0	0.0	
100	Pl2 BPSK	135	138	16.81	16.93	16.90	18.0	0.0	
100	Pl2 BPSK	270	0	16.82	17.00	16.87	18.0		
100	QPSK	1	1	16.91	16.98	16.94			
100	QPSK	1	137	16.90	17.03	16.95		0.0	
100	QPSK	1	271	16.89	16.95	16.91	18.0		
100	QPSK	135	0	16.71	16.78	16.81	18.0	0.0	
100	QPSK	135	69	17.04	17.12	17.00	18.0	0.0	
100	QPSK	135	138	16.92	16.91	16.90	18.0	0.0	
100	QPSK	270	0	16.89	16.90	16.82	18.0	0.0	
100	16QAM	1	1	15.89	15.98	15.85	17.0	1.0	
100	16QAM	1	1	15.78	15.87	15.81	17.0	1.0	
100	16QAM	1	1	15.28	15.25	15.14	16.0	2.0	
Channel									
Frequency (MHz)				649698	658000	662534	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3742.02	3840	3935.01	18.0	0.0	
Channel									
Frequency (MHz)				569334	569000	562698	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3840	3940.02	18.0	0.0	
Channel									
Frequency (MHz)				16.80	16.94	16.83	18.0	0.0	
Channel									
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.84	16.89	16.81	18.0	0.0	
Channel									
Frequency (MHz)				649334	658000	663334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3735.02	3840	3945.02	18.0	0.0	
Channel									
Frequency (MHz)				16.87	16.97	16.81	18.0	0.0	
Channel									
Frequency (MHz)				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	3735.01	3840	3945.02	18.0	0.0	
Channel									
Frequency (MHz)				16.83	16.91	16.91	18.0	0.0	
50	QPSK	1	1	648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2720	2840	2900	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.79	16.93	16.86	18.0	0.0	
Channel									
Frequency (MHz)				54734	556000	546668	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3710.01	3840	3970.02	18.0	0.0	
Channel									
Frequency (MHz)				16.85	16.90	16.85	18.0	0.0	
Channel									
Frequency (MHz)				2702.01	2840	2925.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3706	3840	3974	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.87	16.91	16.85	18.0	0.0	
Channel									
Frequency (MHz)				647000	656000	662000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				16.75	17.00	16.80	18.0	0.0	



Part27Q n77 Ant 1 PC3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	17.64	3500.01		18.0	0.0
100	P12 BPSK	1	137	17.66				
100	P12 BPSK	1	271	16.94				
100	P12 BPSK	135	0	17.35			18.0	0.0
100	P12 BPSK	135	69	17.65			18.0	0.0
100	P12 BPSK	135	138	17.54			18.0	0.0
100	P12 BPSK	270	0	17.58			18.0	0.0
100	QPSK	1	1	17.10				
100	QPSK	1	137	17.70				
100	QPSK	1	271	17.09			18.0	0.0
100	QPSK	135	0	17.37			18.0	0.0
100	QPSK	135	69	17.76			18.0	0.0
100	QPSK	135	138	17.44			18.0	0.0
100	QPSK	270	0	17.57			17.0	1.0
100	16QAM	1	1	16.35				
100	64QAM	1	1	16.28				
100	256QAM	1	1	15.35			16.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.71	17.70	17.63	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.67	17.63	17.65	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.65	17.61	17.69	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.71	17.73	17.64	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.70	17.61	17.62	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.72	17.70	17.63	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.62	17.72	17.62	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.63	17.71	17.65	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.65	17.69	17.66	18.0	0.0

Part27Q n77 Ant 1 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	20.11	20.14	20.12	21.0	0.0
100	P12 BPSK	1	137	19.26	19.35	19.30		
100	P12 BPSK	1	271	19.28	19.32	19.29		
100	P12 BPSK	135	0	19.79	19.79	19.79	20.5	0.5
100	P12 BPSK	135	69	19.98	20.03	19.98	21.0	0.0
100	P12 BPSK	135	138	19.87	19.93	19.93	20.5	0.5
100	P12 BPSK	270	0	19.97	19.98	19.93	21.0	0.0
100	QPSK	1	1	19.66	19.66	19.59		
100	QPSK	1	137	20.15	20.21	20.15		
100	QPSK	1	271	19.27	19.27	19.26	20.0	1.0
100	QPSK	135	0	19.66	19.76	19.67	20.0	1.0
100	QPSK	135	69	19.94	20.03	19.99	21.0	0.0
100	QPSK	135	138	19.80	19.82	19.76	20.0	1.0
100	QPSK	270	0	19.84	19.87	19.81	20.0	1.0
100	16QAM	1	1	18.78	18.81	18.76		
100	64QAM	1	1	17.37	17.38	17.31		
100	256QAM	1	1	15.84	15.85	15.80	16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.14	20.09	20.06	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.16	20.06	20.08	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.07	20.12	20.11	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.11	20.07	20.09	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.07	20.18	20.07	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.14	20.10	20.17	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.13	20.19	20.08	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.13	20.17	20.15	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.12	20.09	20.12	21.0	0.0

Part27Q n77 Ant 1 PC2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	20.09	3500.01		21.0	0.0
100	P12 BPSK	1	137	19.33				
100	P12 BPSK	1	271	19.28				
100	P12 BPSK	135	0	19.72			20.5	0.5
100	P12 BPSK	135	69	19.97			21.0	0.0
100	P12 BPSK	135	138	19.85			20.5	0.5
100	P12 BPSK	270	0	19.98			21.0	0.0
100	QPSK	1	1	19.58				
100	QPSK	1	137	20.02				
100	QPSK	1	271	19.22			20.0	1.0
100	QPSK	135	0	19.70			21.0	0.0
100	QPSK	135	69	20.06			20.0	1.0
100	QPSK	135	138	19.83			20.0	1.0
100	QPSK	270	0	19.85			20.0	1.0
100	16QAM	1	1	18.79				
100	64QAM	1	1	17.29				
100	256QAM	1	1	16.34			16.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.04	20.08	20.05	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.06	20.08	20.07	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.01	20.09	20.03	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.01	20.10	20.01	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.04	20.02	20.08	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.01	20.10	20.08	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.04	20.02	20.03	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.06	20.05	20.04	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.02	20.09	20.07	21.0	0.0

Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1		3750			
100	Pl2 BPSK	1	137		18.18			
100	Pl2 BPSK	1	137		18.09		19.0	0.0
100	Pl2 BPSK	1	271		18.06			
100	Pl2 BPSK	135	0		17.98		19.0	0.0
100	Pl2 BPSK	135	69		18.22		19.0	0.0
100	Pl2 BPSK	135	138		18.01		19.0	0.0
100	Pl2 BPSK	270	0		18.02		19.0	0.0
100	QPSK	1	1		18.10			
100	QPSK	1	137		18.16		19.0	0.0
100	QPSK	1	271		17.95			
100	QPSK	135	0		17.97		19.0	0.0
100	QPSK	135	69		18.25		19.0	0.0
100	QPSK	135	138		17.96		19.0	0.0
100	QPSK	270	0		18.07		19.0	0.0
100	16QAM	1	1		17.48		18.0	1.0
100	64QAM	1	1		16.99		18.0	1.0
100	256QAM	1	1		16.39		17.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.08	18.10	18.06	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.12	18.21	18.08	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.07	18.18	18.14	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.12	18.16	18.09	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.07	18.12	18.07	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.09	18.13	18.06	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.07	18.10	18.08	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.08	18.19	18.09	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.06	18.21	18.09	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.10	18.14	18.12	19.0	0.0

Part270 n78 Ant 1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pl2 BPSK	1	1		3500.01			
100	Pl2 BPSK	1	137		18.52			
100	Pl2 BPSK	1	137		18.32		19.0	0.0
100	Pl2 BPSK	1	271		18.20			
100	Pl2 BPSK	135	0		18.21		19.0	0.0
100	Pl2 BPSK	135	69		18.36		19.0	0.0
100	Pl2 BPSK	135	138		18.43		19.0	0.0
100	Pl2 BPSK	270	0		18.32		19.0	0.0
100	QPSK	1	1		18.37			
100	QPSK	1	137		18.57		19.0	0.0
100	QPSK	1	271		18.28			
100	QPSK	135	0		18.18		19.0	0.0
100	QPSK	135	69		18.51		19.0	0.0
100	QPSK	135	138		18.36		19.0	0.0
100	QPSK	270	0		18.43		19.0	0.0
100	16QAM	1	1		18.27		18.0	1.0
100	64QAM	1	1		17.90		18.0	1.0
100	256QAM	1	1		17.28		18.0	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	18.43	18.49	18.33	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.41	18.46	18.38	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.41	18.43	18.31	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.43	18.54	18.39	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.40	18.50	18.31	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.42	18.51	18.39	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.40	18.52	18.42	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.39	18.47	18.37	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.41	18.53	18.34	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.45	18.48	18.37	19.0	0.0

n41 PC3 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518988	526000			
Frequency (MHz)				2546.01	2552.99	2640			
100	Pi2 BPSK	1	1	21.32	21.53	21.27			
100	Pi2 BPSK	1	137	21.50	21.61	21.51	23.0	0.0	
100	Pi2 BPSK	1	271	21.34	21.46	21.40			
100	Pi2 BPSK	135	0	21.02	21.09	21.08	23.0	0.0	
100	Pi2 BPSK	135	69	21.39	21.47	21.38	23.0	0.0	
100	Pi2 BPSK	135	138	21.28	21.33	21.21	23.0	0.0	
100	Pi2 BPSK	270	0	21.06	21.15	21.10	23.0	0.0	
100	QPSK	1	1	21.34	21.47	21.42			
100	QPSK	1	137	21.61	21.67	21.53	23.0	0.0	
100	QPSK	1	271	21.34	21.41	21.34			
100	QPSK	135	0	21.25	21.32	21.29	23.0	0.0	
100	QPSK	135	69	21.53	21.59	21.58	23.0	0.0	
100	QPSK	135	138	21.14	21.28	21.22	23.0	0.0	
100	QPSK	270	0	21.16	21.34	21.33	23.0	0.0	
100	16QAM	1	1	20.07	20.17	20.03	22.0	1.0	
100	64QAM	1	1	20.02	20.11	20.12	22.0	1.0	
100	256QAM	1	1	19.15	19.22	19.18	21.0	2.0	
Channel				508200	518988	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2552.99	2644.98			
90	QPSK	1	1	21.47	21.61	21.47	23.0	0.0	
Channel				507204	518988	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2552.99	2649.98			
80	QPSK	1	1	21.51	21.64	21.42	23.0	0.0	
Channel				506202	518988	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	21.52	21.53	21.47	23.0	0.0	
Channel				505200	518988	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2659.98			
60	QPSK	1	1	21.56	21.53	21.45	23.0	0.0	
Channel				505203	518988	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2552.99	2664.98			
50	QPSK	1	1	21.54	21.57	21.47	23.0	0.0	
Channel				503202	518988	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	21.50	21.52	21.48	23.0	0.0	
Channel				502200	518988	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	21.55	21.58	21.39	23.0	0.0	
Channel				501204	518988	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2679.98			
20	QPSK	1	1	21.48	21.53	21.44	23.0	0.0	
Channel				500100	518988	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2552.99	2682.48			
15	QPSK	1	1	21.52	21.61	21.38	23.0	0.0	
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.11	2552.99	2680			
10	QPSK	1	1	21.51	21.58	21.41	23.0	0.0	

n41 PC2 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				509202	518988	526000			
100	Pi2 BPSK	1	1	24.43	24.47	24.39			
100	Pi2 BPSK	1	137	24.69	24.77	24.73	26.0	0.0	
100	Pi2 BPSK	1	271	24.67	24.72	24.62			
100	Pi2 BPSK	135	0	23.59	23.68	23.61	25.5	0.5	
100	Pi2 BPSK	135	69	24.52	24.66	24.56	26.0	0.0	
100	Pi2 BPSK	135	138	23.93	23.98	23.85	25.5	0.5	
100	Pi2 BPSK	270	0	23.71	23.83	23.77			
100	QPSK	1	1	24.27	24.22	24.25			
100	QPSK	1	137	24.51	24.54	24.54	26.0	0.0	
100	QPSK	1	271	24.42	24.66	24.55			
100	QPSK	135	0	23.15	23.25	23.18	25.0	1.0	
100	QPSK	135	69	24.80	24.69	24.63	26.0	0.0	
100	QPSK	135	138	23.30	23.41	23.34	25.0	1.0	
100	QPSK	270	0	23.36	23.65	23.44			
100	16QAM	1	1	23.09	23.22	23.19	25.0	1.0	
100	64QAM	1	1	21.87	21.74	21.89	23.5	2.5	
100	256QAM	1	1	20.16	20.28	20.21	21.5	4.5	
Channel				508200	518988	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2441	2552.99	2644.98			
90	QPSK	1	1	24.47	24.78	24.35	26.0	0.0	
Channel				507204	518988	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2634.02	2642.99	2649.98			
80	QPSK	1	1	24.48	24.81	24.60	26.0	0.0	
Channel				506202	518988	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2552.99	2655			
70	QPSK	1	1	24.43	24.78	24.56	25.0	0.0	
Channel				505200	518988	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2552.99	2659.98			
60	QPSK	1	1	24.42	24.74	24.52	26.0	0.0	
Channel				505203	518988	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2552.99	2664.98			
50	QPSK	1	1	24.38	24.70	24.50	26.0	0.0	
Channel				503202	518988	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2552.99	2670			
40	QPSK	1	1	24.48	24.69	24.57	26.0	0.0	
Channel				502200	518988	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2552.99	2674.98			
30	QPSK	1	1	24.38	24.77	24.57	26.0	0.0	
Channel				501204	518988	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2552.99	2679.98			
20	QPSK	1	1	24.46	24.75	24.61	26.0	0.0	
Channel				500100	518988	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2552.99	2682.48			
15	QPSK	1	1	24.42	24.73	24.51	26.0	0.0	
Channel				500202	518988	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.11	2552.99	2680			
10	QPSK	1	1	24.45	24.71	24.60	25.0	0.0	

Part270 n77 PC3 Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000			
Frequency (MHz)				37500	38400				
100	Pi2 BPSK	1	1	19.03	19.40	19.26			
100	Pi2 BPSK	1	137	18.54	18.58	18.48	20.0	0.0	
100	Pi2 BPSK	1	271	18.62	18.76	18.62			
100	Pi2 BPSK	135	0	19.04	19.14	19.00	20.0	0.0	
100	Pi2 BPSK	135	69	19.26	19.39	19.26	20.0	0.0	
100	Pi2 BPSK	135	138	19.16	19.27	19.19	20.0	0.0	
100	Pi2 BPSK	270	0	19.22	19.32	19.20			
100	QPSK	1	1	19.32	19.37	19.23			
100	QPSK	1	137	19.24	19.43	19.37	20.0	0.0	
100	QPSK	1	271	19.28	19.31	19.21			
100	QPSK	135	0	19.18	19.24	19.14	20.0	0.0	
100	QPSK	135	69	19.11	19.42	19.28	20.0	0.0	
100	QPSK	135	138	19.14	19.24	19.12	20.0	0.0	
100	QPSK	270	0	19.03	19.27	19.10			
100	16QAM	1	1	19.24	18.33	18.18	19.0	1.0	
100	16QAM	1	137	19.22	18.28	18.13	19.0	1.0	
100	16QAM	1	271	19.22	18.33	18.18	19.0	1.0	
100	256QAM	1	1	17.58	17.69	17.62	18.0	2.0	
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	19.03	19.24	19.17	20.0	0.0	
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	19.03	19.37	19.24	20.0	0.0	
Channel				649334	656000	662000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	19.00	19.30	19.18	20.0	0.0	
Channel				648900	656000	663334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	19.00	19.40	19.00	20.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	19.00	19.30	19.19	20.0	0.0	
Channel				648900	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	19.00	19.30	19.22	20.0	0.0	
Channel				647250	656000	664668	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.07	19.33	19.17	20.0	0.0	
Channel				3715.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.05	19.26	19.17	20.0	0.0	
Channel				3721.02	3900.00	3973.34	Tune-up limit (dBm)	MPR (dB)	
Channel				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.03	19.36	19.18	20.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.06	19.34	19.24	20.0	0.0	



Part270 n77 PC2 Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	21.98	22.08	22.01	23.0	0.0			
100	P12 BPSK	1	137	21.06	21.08	21.03					
100	P12 BPSK	1	271	21.10	21.12	21.07					
100	P12 BPSK	135	0	21.71	21.79	21.70	22.5	0.5			
100	P12 BPSK	135	69	22.09	22.15	22.06	23.0	0.0			
100	P12 BPSK	135	138	21.72	21.82	21.75	22.5	0.5			
100	P12 BPSK	270	0	21.72	21.86	21.72	23.0	0.0			
100	QPSK	1	1	22.08	22.10	22.04					
100	QPSK	1	137	21.15	22.11	21.97					
100	QPSK	1	271	21.05	21.20	21.10	22.0	1.0			
100	QPSK	135	0	20.88	21.12	21.06					
100	QPSK	135	69	22.05	22.17	22.14					
100	QPSK	135	138	20.85	21.03	20.97	22.0	1.0			
100	QPSK	270	0	20.88	21.07	20.97	22.0	1.0			
100	16QAM	1	1	20.08	20.22	20.16					
100	64QAM	1	1	19.13	19.24	19.20	20.5	2.5			
100	256QAM	1	1	17.74	17.83	17.78	18.5	4.5			
Channel											
Frequency (MHz)											
90	QPSK	1	1	22.02	22.03	22.08	23.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	21.97	22.09	22.11	23.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	21.91	22.07	22.03	23.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	21.85	22.08	22.01	23.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	21.93	22.12	22.06	23.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	21.96	22.05	22.11	23.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	21.94	22.13	22.09	23.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	21.93	22.09	22.00	23.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	21.96	22.11	22.09	23.0	0.0			

Part27Q n77 PC3 Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	18.33	3600.01		19.0	0.0			
100	P12 BPSK	1	137	17.84							
100	P12 BPSK	1	271	17.38							
100	P12 BPSK	135	0	18.29			19.0	0.0			
100	P12 BPSK	135	69	18.37			19.0	0.0			
100	P12 BPSK	135	138	18.15			19.0	0.0			
100	P12 BPSK	270	0	18.22			19.0	0.0			
100	QPSK	1	1	17.89							
100	QPSK	1	137	16.46							
100	QPSK	1	271	17.28			19.0	0.0			
100	QPSK	135	0	18.39							
100	QPSK	135	69	18.41							
100	QPSK	135	138	18.29			19.0	0.0			
100	QPSK	270	0	18.35			19.0	0.0			
100	16QAM	1	1	17.76							
100	64QAM	1	1	17.68			18.0	1.0			
100	256QAM	1	1	16.72			17.0	2.0			
Channel											
Frequency (MHz)											
90	QPSK	1	1	18.39	3600.01	3505.02	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
80	QPSK	1	1	18.40	3600.01	3510.01	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
70	QPSK	1	1	18.41	3600.01	3515.01	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
60	QPSK	1	1	18.41	3600.01	3520.01	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
50	QPSK	1	1	18.37	3600.01	3525.01	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	QPSK	1	1	18.31	3600.01	3530.01	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	1	18.37	3600.01	3540.01	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
15	QPSK	1	1	18.34	3600.01	3545.02	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
10	QPSK	1	1	18.31	3600.01	3545.01	Tune-up limit (dBm)	MPR (dB)			

Part27Q n77 PC2 Ant 3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	P12 BPSK	1	1	21.28	3560.01		23.0	0.0			
100	P12 BPSK	1	137	21.35	3560.01						
100	P12 BPSK	1	271	21.42	3560.01						
100	P12 BPSK	135	0	20.78		20.78	22.5	0.5			
100	P12 BPSK	135	69	21.23		21.23	23.0	0.0			
100	P12 BPSK	135	138	21.18		21.18	22.5	0.5			
100	P12 BPSK	270	0	21.19		21.19	23.0	0.0			
100	QPSK	1	1	21.31		21.31					
100	QPSK	1	137	21.45		21.45					
100	QPSK	1	271	21.30		21.30	22.0	1.0			
100	QPSK	135	0	21.04		21.04					
100	QPSK	135	69	21.39		21.39					
100	QPSK	135	138	21.06		21.06	22.0	1.0			
100	QPSK	270	0	21.12		21.12	22.0	1.0			
100	16QAM	1	1	20.51		20.51					
100	64QAM	1	1	19.67		19.67	20.5	2.5			
100	256QAM	1	1	17.63		17.63	18.5	4.5			
Channel											
Frequency (MHz)											
90	QPSK	1	1	21.34	3560.01	353668	Tune-up limit (dBm)	MPR (dB)			
				3495	3560.01	3505.02					
80	QPSK	1	1	21.34	3560.01	35130	23.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	21.35	3560.01	3510	23.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	21.35	35334	35334	Tune-up limit (dBm)	MPR (dB)			
				3488.03	35334	35151					
60	QPSK	1	1	21.31	3560.01	35130	23.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	21.31	3560.01	349688	Tune-up limit (dBm)	MPR (dB)			
				3488	3560.01	350302					
50	QPSK	1	1	21.36	3560.01	35130	23.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	21.36	3560.01	350500	Tune-up limit (dBm)	MPR (dB)			
				3475.02	3560.01	35250					
40	QPSK	1	1	21.33	3560.01	350534	Tune-up limit (dBm)	MPR (dB)			
				3470.01	3560.01	353001					
30	QPSK	1	1	21.42	3560.01	35130	23.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	21.42	3560.01	3540	Tune-up limit (dBm)	MPR (dB)			
				21.40	3560.01	3540					
20	QPSK	1	1	21.40	3560.01	35130	23.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	21.39	3560.01	350165	Tune-up limit (dBm)	MPR (dB)			
				35075	3560.01	354282					
10	QPSK	1	1	21.39	3560.01	35130	23.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	21.40	3560.01	354561	Tune-up limit (dBm)	MPR (dB)			
				21.40	3560.01	354561					
5	QPSK	1	1	21.40	3560.01	35130	23.0	0.0			

Part270 n78 Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pl2 BPSK	1	1	19.34			20.0	0.0
100	Pl2 BPSK	1	137	19.30				
100	Pl2 BPSK	1	271	19.84				
100	Pl2 BPSK	135	0	19.13			20.0	0.0
100	Pl2 BPSK	135	69	19.36			20.0	0.0
100	Pl2 BPSK	135	138	19.38			20.0	0.0
100	Pl2 BPSK	270	0	19.34			20.0	0.0
100	QPSK	1	1	19.52			20.0	0.0
100	QPSK	1	137	19.41				
100	QPSK	1	271	19.62				
100	QPSK	135	0	19.38			20.0	0.0
100	QPSK	135	69	19.43			20.0	0.0
100	QPSK	135	138	19.21			20.0	0.0
100	QPSK	270	0	19.25			20.0	0.0
100	16QAM	1	1	19.71			19.0	1.0
100	64QAM	1	1	19.28			19.0	1.0
100	256QAM	1	1	17.69			18.0	2.0
Channel				640068	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	19.28	19.29	19.32	20.0	0.0
Channel				640334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	19.26	19.34	19.27	20.0	0.0
Channel				640000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	19.30	19.37	19.35	20.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	19.34	19.33	19.30	20.0	0.0
Channel				641334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	19.30	19.36	19.25	20.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	19.30	19.30	19.28	20.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	19.27	19.32	19.26	20.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	19.32	19.34	19.21	20.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	19.27	19.29	19.26	20.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	19.28	19.35	19.25	20.0	0.0

Part270 n78 Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334			
Frequency (MHz)				3500.01				
100	Pl2 BPSK	1	1	19.40			20.0	0.0
100	Pl2 BPSK	1	137	19.43				
100	Pl2 BPSK	1	271	19.97				
100	Pl2 BPSK	135	0	19.27			20.0	0.0
100	Pl2 BPSK	135	69	19.43			20.0	0.0
100	Pl2 BPSK	135	138	19.31			20.0	0.0
100	Pl2 BPSK	270	0	19.36			20.0	0.0
100	QPSK	1	1	19.41			20.0	0.0
100	QPSK	1	137	19.20				
100	QPSK	1	271	19.76				
100	QPSK	135	0	19.40			20.0	0.0
100	QPSK	135	69	19.47			20.0	0.0
100	QPSK	135	138	19.29			20.0	0.0
100	QPSK	270	0	19.38			20.0	1.0
100	16QAM	1	1	19.82			19.0	1.0
100	64QAM	1	1	19.34			19.0	1.0
100	256QAM	1	1	17.86			18.0	2.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.29	19.37	19.34	20.0	0.0
Channel				630668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	19.28	19.36	19.31	20.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.29	19.43	19.24	20.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	19.35	19.35	19.25	20.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.28	19.33	19.29	20.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	19.35	19.44	19.35	20.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.38	19.36	19.24	20.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.36	19.40	19.30	20.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	19.29	19.42	19.24	20.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3450.01	3500.01	3540.01	(dBm)	(dB)
10	QPSK	1	1	19.33	19.38	19.35	20.0	0.0

n2 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1865	1880	1895			
Frequency (MHz)				21.34	21.59	21.80			
30	Pl2 BPSK	1	1	21.34	21.59	21.80	23.0	0.0	
30	Pl2 BPSK	1	80	21.74	21.78	21.67			
30	Pl2 BPSK	1	168	21.20	21.33	21.25			
30	Pl2 BPSK	80	0	21.58	21.64	21.59	23.0	0.0	
30	Pl2 BPSK	80	40	21.54	21.67	21.53	23.0	0.0	
30	Pl2 BPSK	80	80	21.47	21.50	21.40	23.0	0.0	
30	Pl2 BPSK	160	0	21.49	21.57	21.52	23.0	0.0	
30	QPSK	1	1	21.28	21.42	21.32	23.0	0.0	
30	QPSK	1	80	21.76	21.83	21.68			
30	QPSK	1	168	21.17	21.30	21.20			
30	QPSK	80	0	21.42	21.52	21.46	23.0	0.0	
30	QPSK	80	40	21.54	21.60	21.51	23.0	0.0	
30	QPSK	80	80	21.37	21.44	21.36	23.0	0.0	
30	QPSK	160	0	21.45	21.51	21.43	23.0	0.0	
30	16QAM	1	1	21.04	21.11	21.07	23.0	0.0	
30	64QAM	1	1	20.97	21.09	21.03	22.0	1.0	
30	256QAM	1	1	20.38	20.52	20.46	21.0	2.0	
Channel				1822.5	1840.0	1857.5			
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	21.22	21.36	21.28	23.0	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1460	1480	1500			
20	Pl2 BPSK	1	1	21.33	21.33	21.24	23.0	0.0	
20	Pl2 BPSK	1	53	21.70	21.72	21.58			
20	Pl2 BPSK	1	104	21.13	21.23	21.18			
20	Pl2 BPSK	50	0	21.34	21.38	21.51	23.0	0.0	
20	Pl2 BPSK	50	28	21.53	21.59	21.45	23.0	0.0	
20	Pl2 BPSK	50	56	21.37	21.44	21.31	23.0	0.0	
20	Pl2 BPSK	100	0	21.48	21.56	21.43	23.0	0.0	
20	QPSK	1	1	21.19	21.40	21.26	23.0	0.0	
20	QPSK	1	53	21.78	21.74	21.60			
20	QPSK	1	104	21.10	21.29	21.12			
20	QPSK	50	0	21.37	21.46	21.44	23.0	1.0	
20	QPSK	50	28	21.47	21.60	21.48	24.0	0.0	
20	QPSK	50	56	21.30	21.34	21.33	23.0	1.0	
20	QPSK	100	0	21.35	21.45	21.42	23.0	0.0	
20	16QAM	1	1	20.98	21.06	21.06	23.0	0.0	
20	64QAM	1	1	20.96	21.00	20.98	22.0	1.0	
20	256QAM	1	1	20.30	20.49	20.45	21.0	2.0	
Channel				371800	376000	380500			
Frequency (MHz)				1877.5	1900	1922.5			
15	QPSK	1	1	21.54	21.77	21.65	23.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1865	1880	1905			
10	QPSK	1	1	21.74	21.68	21.59	23.0	0.0	
Channel				371200	371000	371500			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	21.68	21.71	21.63	23.0	0.0	

n5 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					167300				
Frequency (MHz)					836.5				
25	Pl2 BPSK	1	1		22.29		24.0	0.0	
25	Pl2 BPSK	1	80		22.49				
25	Pl2 BPSK	1	168		22.42				
25	Pl2 BPSK	80	0		22.08		23.5	0.5	
25	Pl2 BPSK	80	40		22.54		24.0	0.0	
25	Pl2 BPSK	80	80		22.11		23.5	0.5	
25	Pl2 BPSK	160	0		22.17		23.5	0.5	
25	QPSK	1	1		22.52		24.0	0.0	
25	QPSK	1	80		22.32				
25	QPSK	1	168		22.35				
25	QPSK	80	0		21.58		23.0	1.0	
25	QPSK	80	40		22.65		24.0	0.0	
25	QPSK	80	80		21.62		23.0	1.0	
25	QPSK	160	0		21.65		23.0	1.0	
25	16QAM	1	1		21.09		23.0	1.0	
25	64QAM	1	1		19.57		21.5	2.5	
25	256QAM	1	1		18.31		19.5	4.5	
Channel				166800	167300	167800			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.18	22.25	22.15	24.0	0.0	
20	Pl2 BPSK	1	53	22.33	22.42	22.33			
20	Pl2 BPSK	1	104	22.23	22.30	22.25			
20	Pl2 BPSK	50	0	21.98	22.02	21.97	23.5	0.5	
20	Pl2 BPSK	50	28	22.43	22.51	22.39	24.0	0.0	
20	Pl2 BPSK	50	56	21.97	22.08	21.90	23.5	0.5	
20	Pl2 BPSK	100	0	22.05	22.11	22.00	23.5	0.5	
20	QPSK	1	1	22.34	22.46	22.37	24.0	0.0	
20	QPSK	1	53	22.15	22.26	22.14			
20	QPSK	1	104	22.20	22.36	22.22			
20	QPSK	50	0	21.45	21.51	21.38	23.0	1.0	
20	QPSK	50	28	22.47	22.60	22.47	24.0	0.0	
20	QPSK	50	56	21.52	21.56	21.46	23.0	1.0	
20	QPSK	100	0	21.55	21.60	21.54	23.0	1.0	
20	16QAM	1	1	20.98	21.03	21.01	23.0	1.0	
20	64QAM	1	1	19.47	19.51	19.48	21.5	2.5	
20	256QAM	1	1	18.13	18.25	18.13	19.5	4.5	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.45	22.53	22.42	24.0	0.0	
Channel				166800	167300	168800			
Frequency (MHz)				820	836.5	844			
10	QPSK	1	1	22.47	22.58	22.41	24.0	0.0	
Channel				165300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.45	22.60	22.44	24.0	0.0	

n7 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2505	2535	2545			
50	Pl2 BPSK	1	1	22.71	22.78	22.64	24.0	0.0	
50	Pl2 BPSK	1	135	22.55	22.65	22.57			
50	Pl2 BPSK	1	268	22.56	22.66	22.62			
50	Pl2 BPSK	135	0	22.15	22.25	22.20	23.5	0.5	
50	Pl2 BPSK	135	68	22.53	22.68	22.57	24.0	0.0	
50	Pl2 BPSK	135	135	22.19	22.30	22.17	23.5	0.5	
50	Pl2 BPSK	270	0	22.16	22.31	22.25	23.5	0.5	
50	QPSK	1	1	22.81	22.87	22.76	24.0	0.0	
50	QPSK	1	135	22.81	22.89	22.67			
50	QPSK	1	268	22.45	22.59	22.54			
50	QPSK	135	0	21.57	21.68	21.59	23.0	1.0	
50	QPSK	135	68	22.78	22.83	22.74	24.0	0.0	
50	QPSK	135	135	21.70	21.80	21.72	23.0	1.0	
50	QPSK	270	0	21.82	21.90	21.86	23.0	1.0	
50	16QAM	1	1	21.60	21.66	21.53	23.0	1.0	
50	64QAM	1	1	20.10	20.25	20.12	21.5	2.5	
50	256QAM	1	1	18.86	18.96	18.83	19.5	4.5	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	22.68	22.75	22.62	24.0	0.0	
Channel				503000	505000	511000			
Frequency (MHz)				2515	2535	2554	Tune-up limit	MPR	
30	QPSK	1	1	22.74	22.73	22.84	24.0	0.0	
Channel				505000	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5	Tune-up limit	MPR	
25	QPSK	1	1	22.75	22.74	22.72	24.0	0.0	
Channel				507000	509000	512000			
Frequency (MHz)				2510	2535	2560	Tune-up limit	MPR	
20	Pl2 BPSK	1	1	22.66	22.82	22.72	24.0	0.0	
Channel				507500	509000	512500			
Frequency (MHz)				2507.5	2535	2562.5	Tune-up limit	MPR	
15	QPSK	1	1	22.75	22.80	22.67	24.0	0.0	
Channel				501000	503000	513000			
Frequency (MHz)				2505	2535	2565	Tune-up limit	MPR	
10	QPSK	1	1	22.66	22.78	22.65	24.0	0.0	
Channel				502000	504000	513500			
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit	MPR	
5	QPSK	1	1	22.77	22.75	22.73	24.0	0.0	

n12 Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				706.5	707.5	708.5	
Frequency (MHz)				706.5	707.5	708.5	
15	PI2 BPSK	1	1	22.17	22.22	22.09	
15	PI2 BPSK	1	40	22.05	22.10	22.03	24.0
15	PI2 BPSK	1	77	22.05	22.11	22.05	
15	PI2 BPSK	36	0	21.54	21.63	21.53	23.5
15	PI2 BPSK	36	22	22.04	22.11	22.06	24.0
15	PI2 BPSK	36	43	21.61	21.65	21.60	
15	PI2 BPSK	75	0	21.62	21.67	21.52	23.5
15	QPSK	1	1	22.26	22.31	22.24	
15	QPSK	1	40	22.05	22.14	22.07	24.0
15	QPSK	1	77	22.02	22.10	22.06	
15	QPSK	36	0	21.08	21.11	21.03	23.0
15	QPSK	36	22	22.11	22.26	22.17	24.0
15	QPSK	36	43	21.14	21.22	21.08	
15	QPSK	75	0	21.22	21.25	21.23	23.0
15	16QAM	1	1	21.23	21.31	21.16	23.0
15	64QAM	1	1	19.59	19.68	19.54	21.5
15	256QAM	1	1	17.84	17.95	17.80	19.5
Channel				14090	14100	14200	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	1	22.17	22.27	22.22	24.0
Channel				14090	14100	14200	
Frequency (MHz)				704.5	707.5	711.5	
5	QPSK	1	1	22.14	22.28	22.23	24.0

n25 Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				374000	376000	378000	
Frequency (MHz)				1870	1882.5	1895	
40	PI2 BPSK	1	1	21.65	21.69	21.63	
40	PI2 BPSK	1	108	21.72	21.81	21.70	23.0
40	PI2 BPSK	1	214	21.04	21.08	21.02	
40	PI2 BPSK	108	0	21.35	21.43	21.37	23.0
40	PI2 BPSK	108	54	21.65	21.61	21.51	23.0
40	PI2 BPSK	108	108	21.45	21.49	21.42	
40	PI2 BPSK	216	0	21.44	21.52	21.39	23.0
40	QPSK	1	1	21.07	21.12	21.03	
40	QPSK	1	108	21.74	21.68	21.65	23.0
40	QPSK	1	214	21.05	21.06	21.02	
40	QPSK	108	0	21.25	21.39	21.28	23.0
40	QPSK	108	54	21.42	21.54	21.49	23.0
40	QPSK	108	108	21.37	21.42	21.29	
40	QPSK	216	0	21.36	21.47	21.35	23.0
40	16QAM	1	1	20.49	20.62	20.52	22.0
40	64QAM	1	1	20.38	20.48	20.41	22.0
40	256QAM	1	1	19.73	19.82	19.83	21.0
Channel				372000	376000	380000	
Frequency (MHz)				1865	1882.5	1900	
30	QPSK	1	1	21.61	21.85	21.74	23.0
Channel				372500	376000	380500	
Frequency (MHz)				1862.5	1882.5	1892.5	
25	QPSK	1	1	21.61	21.79	21.79	23.0
Channel				372000	376000	380000	
Frequency (MHz)				1865	1882.5	1900	
20	QPSK	1	1	21.70	21.74	21.69	23.0
Channel				371500	376000	380500	
Frequency (MHz)				1867.5	1882.5	1907.5	
15	QPSK	1	1	21.70	21.77	21.74	23.0
Channel				371000	376000	380500	
Frequency (MHz)				1865	1882.5	1910	
10	QPSK	1	1	21.62	21.85	21.79	23.0
Channel				370500	376000	380500	
Frequency (MHz)				1862.5	1882.5	1912.5	
5	QPSK	1	1	21.69	21.80	21.79	23.0

n26 Ant 4							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				164800	166300	167800	
Frequency (MHz)				834	831.5	839	
20	PI2 BPSK	1	1	22.32	22.39	22.29	
20	PI2 BPSK	1	53	22.26	22.32	22.29	24.0
20	PI2 BPSK	1	104	22.22	22.25	22.15	
20	PI2 BPSK	50	0	21.76	21.85	21.78	23.5
20	PI2 BPSK	50	25	22.18	22.22	22.15	24.0
20	PI2 BPSK	50	56	21.72	21.78	21.72	
20	PI2 BPSK	100	0	21.78	21.86	21.79	23.5
20	QPSK	1	1	22.42	22.45	22.39	
20	QPSK	1	53	22.22	22.33	22.25	24.0
20	QPSK	1	104	22.15	22.23	22.11	
20	QPSK	50	0	21.12	21.22	21.07	23.0
20	QPSK	50	25	22.23	22.28	22.27	24.0
20	QPSK	50	56	21.28	21.37	21.27	
20	QPSK	100	0	21.39	21.46	21.41	23.0
20	16QAM	1	1	21.44	21.50	21.43	23.0
20	64QAM	1	1	19.72	19.85	19.77	21.5
20	256QAM	1	1	18.01	18.10	18.05	19.5
Channel				163300	166300	169300	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	1	22.30	22.36	22.34	#REF!
Channel				163800	166300	168800	
Frequency (MHz)				818	831.5	844	
10	QPSK	1	1	22.39	22.41	22.31	#REF!
Channel				163300	166300	169300	
Frequency (MHz)				816.5	831.5	840.5	
5	QPSK	1	1	22.35	22.31	22.24	#REF!



n30 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2310				
10	PQ2 BPSK	1	1	22.40			24.0	0.0
10	PQ2 BPSK	1	26	22.34				
10	PQ2 BPSK	1	50	22.31				
10	PQ2 BPSK	25	0	21.95			23.5	0.5
10	PQ2 BPSK	25	14	22.37			24.0	0.0
10	PQ2 BPSK	25	27	21.90			23.5	0.5
10	PQ2 BPSK	50	0	21.96				
10	QPSK	1	1	22.42			24.0	0.0
10	QPSK	1	26	22.36				
10	QPSK	1	50	22.35				
10	QPSK	25	0	21.36			23.0	1.0
10	QPSK	25	14	22.32			24.0	0.0
10	QPSK	25	27	21.41			23.0	1.0
10	QPSK	50	0	21.45			23.0	1.0
10	16QAM	1	1	21.39				
10	64QAM	1	1	19.84			21.5	2.5
10	256QAM	1	1	18.12			19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	22.35	22.39	22.31	24.0	0.0

n66 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1720	1745	1760		
40	PQ2 BPSK	1	1	21.03	21.10	21.06	23.0	0.0
40	PQ2 BPSK	1	108	21.90	21.95	21.87		
40	PQ2 BPSK	1	214	21.18	21.23	21.11		
40	PQ2 BPSK	108	0	21.66	21.75	21.67	23.0	0.0
40	PQ2 BPSK	108	54	21.84	21.82	21.78	23.0	0.0
40	PQ2 BPSK	108	108	21.70	21.84	21.78	23.0	0.0
40	PQ2 BPSK	216	0	21.82	21.86	21.74		
40	QPSK	1	1	21.02	21.08	21.03	23.0	0.0
40	QPSK	1	108	21.86	22.01	21.81		
40	QPSK	1	214	21.06	21.10	21.04		
40	QPSK	108	0	21.65	21.70	21.65	23.0	0.0
40	QPSK	108	54	21.71	21.78	21.64	23.0	0.0
40	QPSK	108	108	21.37	21.52	21.42	23.0	0.0
40	QPSK	216	0	21.53	21.50	21.49		
40	16QAM	1	1	20.66	20.78	20.68	22.0	1.0
40	64QAM	1	1	20.86	20.91	20.79	22.0	1.0
40	256QAM	1	1	20.12	20.19	20.11	21.0	2.0
Channel				345000	345500	346000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	21.81	21.95	21.81	23.0	0.0
Channel				344500	345000	345500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1747.5		
25	QPSK	1	1	21.76	21.89	21.87	23.0	0.0
Channel				344000	345000	346000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	21.83	21.80	21.82	23.0	0.0
Channel				343500	345000	346500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.81	21.83	21.85	23.0	0.0
Channel				343000	345000	347000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.83	21.96	21.82	23.0	0.0
Channel				342500	345000	347500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	21.78	21.88	21.82	23.0	0.0

n71 Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1721	168.5	168		
20	PQ2 BPSK	1	1	22.49	22.53	22.40	24.0	0.0
20	PQ2 BPSK	1	53	22.37	22.40	22.30		
20	PQ2 BPSK	1	104	22.23	22.37	22.29		
20	PQ2 BPSK	50	0	21.88	21.98	21.93	23.5	0.5
20	PQ2 BPSK	50	25	22.20	22.33	22.26	24.0	0.0
20	PQ2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5
20	PQ2 BPSK	100	0	21.81	21.95	21.82		
20	QPSK	1	1	22.51	22.55	22.47	24.0	0.0
20	QPSK	1	53	22.26	22.47	22.42		
20	QPSK	1	104	22.34	22.59	22.55		
20	QPSK	50	0	21.30	21.34	21.23	23.0	1.0
20	QPSK	50	25	22.35	22.43	22.39	24.0	0.0
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0
20	QPSK	100	0	21.42	21.45	21.45	23.0	1.0
20	16QAM	1	1	21.50	21.62	21.54		
20	64QAM	1	1	19.96	20.02	19.95	21.5	2.5
20	256QAM	1	1	18.14	18.20	18.06	19.5	4.5
Channel				130100	130100	130100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	680.5		
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0
Channel				130600	130600	130600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	688		
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0
Channel				130100	130100	130100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				680.5	680.5	680.5		
5	QPSK	1	1	22.35	22.45	22.35	24.0	0.0

n41 PC3 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.16	20.22	20.18			
100	PI/2 BPSK	1	137	20.93	21.06	20.93	22.0	0.0	
100	PI/2 BPSK	1	271	20.05	20.11	20.02			
100	PI/2 BPSK	135	0	20.49	20.63	20.53	22.0	0.0	
100	PI/2 BPSK	135	69	20.97	21.02	20.88	22.0	0.0	
100	PI/2 BPSK	135	138	20.82	20.97	20.83	22.0	0.0	
100	PI/2 BPSK	270	0	20.60	20.68	20.50	22.0	0.0	
100	QPSK	1	1	20.13	20.18	20.09			
100	QPSK	1	137	20.81	21.10	21.03	22.0	0.0	
100	QPSK	1	271	20.06	20.13	20.11			
100	QPSK	135	0	20.46	20.58	20.49	22.0	0.0	
100	QPSK	135	69	20.78	21.01	20.92	22.0	0.0	
100	QPSK	135	138	20.73	20.88	20.81	22.0	0.0	
100	QPSK	270	0	20.55	20.70	20.65	22.0	0.0	
100	16QAM	1	1	19.58	19.69	19.59	21.0	1.0	
100	64QAM	1	1	19.51	19.63	19.55	21.0	1.0	
100	256QAM	1	1	18.62	18.71	18.59	20.0	2.0	
Channel				500200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.74	21.02	20.90	22.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2640.99			
80	QPSK	1	1	20.69	20.96	20.97	22.0	0.0	
Channel				500202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.72	20.98	20.93	22.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.66	21.06	20.90	22.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.69	21.03	20.89	22.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.73	21.04	20.94	22.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.68	21.00	20.91	22.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.72	20.96	20.95	22.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.71	20.99	20.99	22.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.68	21.05	20.99	22.0	0.0	

n41 PC2 Ant 4										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				500200	518598	528000				
Frequency (MHz)				2546.01	2592.99	2640				
100	PI/2 BPSK	1	1	23.13	23.18	23.06	25.0	0.0		
100	PI/2 BPSK	1	137	23.49	23.53	23.48				
100	PI/2 BPSK	1	271	23.13	23.18	23.14				
100	PI/2 BPSK	135	0	23.33	23.37	23.29	24.5	0.5	0.5	
100	PI/2 BPSK	135	69	23.39	23.45	23.37	25.0	0.0		
100	PI/2 BPSK	135	138	23.29	23.36	23.25	24.5	0.5		
100	PI/2 BPSK	270	0	23.29	23.42	23.37				
100	QPSK	1	1	23.05	23.13	23.09	25.0	0.0		
100	QPSK	1	137	23.54	23.56	23.49				
100	QPSK	1	271	23.18	23.22	23.17				
100	QPSK	135	0	22.74	22.78	22.71	24.0	1.0	1.0	
100	QPSK	135	69	23.40	23.48	23.43	25.0	0.0		
100	QPSK	135	138	22.74	22.89	22.76	24.0	1.0		
100	QPSK	270	0	22.92	22.94	22.87				
100	16QAM	1	1	22.11	22.14	22.09	24.0	1.0	1.0	
100	64QAM	1	1	20.55	20.62	20.52	22.5	2.5		
100	256QAM	1	1	18.60	18.68	18.56	20.5	4.5		
Channel				500200	518598	528998	Tune-up limit (dBm)			
Frequency (MHz)				2541	2592.99	2644.98	(dBm)			
90	QPSK	1	1	23.42	23.47	23.37	25.0	0.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)			
Frequency (MHz)				2536.02	2592.99	2640.99	(dBm)			
80	QPSK	1	1	23.43	23.48	23.45	25.0	0.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)			
Frequency (MHz)				2531.01	2592.99	2655	(dBm)			
70	QPSK	1	1	23.48	23.43	23.38	25.0	0.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)			
Frequency (MHz)				2526	2592.99	2659.98	(dBm)			
60	QPSK	1	1	23.43	23.52	23.41	25.0	0.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)			
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)			
50	QPSK	1	1	23.45	23.48	23.45	25.0	0.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)			
Frequency (MHz)				2516.01	2592.99	2670	(dBm)			
40	QPSK	1	1	23.47	23.52	23.40	25.0	0.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)			
Frequency (MHz)				2511	2592.99	2674.98	(dBm)			
30	QPSK	1	1	23.51	23.45	23.39	25.0	0.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)			
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)			
20	QPSK	1	1	23.46	23.50	23.44	25.0	0.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)			
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)			
15	QPSK	1	1	23.46	23.42	23.38	25.0	0.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)			
Frequency (MHz)				2501.01	2592.99	2685	(dBm)			
10	QPSK	1	1	23.43	23.49	23.43	25.0	0.0		

n48 Ant 5									
BW [MHz]	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)				640000	641666	643332			
100	Pi2 BPSK	1	1	22.75	22.83	22.71			
100	Pi2 BPSK	1	137	23.63	23.68	23.57	24.0	0.0	
100	Pi2 BPSK	1	271	22.79	22.90	22.83			
100	Pi2 BPSK	135	0	23.36	23.40	23.33	24.0	0.0	
100	Pi2 BPSK	135	69	23.52	23.61	23.52	24.0	0.0	
100	Pi2 BPSK	135	138	23.45	23.52	23.46	24.0	0.0	
100	Pi2 BPSK	270	0	23.40	23.48	23.42			
100	QPSK	1	1	22.71	22.78	22.53			
100	QPSK	1	137	23.90	22.71	23.66	24.0	0.0	
100	QPSK	1	271	22.73	22.82	22.68			
100	QPSK	135	0	23.39	23.44	23.32	24.0	0.0	
100	QPSK	135	69	23.44	23.57	23.55	24.0	0.0	
100	QPSK	135	138	23.19	23.34	23.27	24.0	0.0	
100	QPSK	270	0	23.28	23.35	23.30	24.0	0.0	
100	16QAM	1	1	22.43	22.53	22.47	24.0	0.0	
100	64QAM	1	1	22.47	22.55	22.47	23.0	1.0	
100	256QAM	1	1	21.79	21.89	21.81	22.0	2.0	
Channel									
Frequency (MHz)				3565.02	3624.98	3636.99	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.57	23.66	23.54	24.0	0.0	
Channel									
Frequency (MHz)				636334	641666	644000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.49	23.58	23.56	24.0	0.0	
Channel									
Frequency (MHz)				636668	641666	644666	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.49	23.54	23.55	24.0	0.0	
Channel									
Frequency (MHz)				6375.01	6364.99	63675	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.51	23.62	23.55	24.0	0.0	
Channel									
Frequency (MHz)				63700	641666	643332	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.48	23.60	23.51	24.0	0.0	
Channel									
Frequency (MHz)				637334	641666	644000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.54	23.68	23.60	24.0	0.0	
Channel									
Frequency (MHz)				3557.52	3624.99	3682.49	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.48	23.63	23.58	24.0	0.0	
Channel									
Frequency (MHz)				370000	641666	643332	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	3624.98	3645.98	3654.98	24.0	0.0	
10	QPSK	1	1	23.52	23.59	23.52	24.0	0.0	

Part270 n77 PC3 Ant 5									
BW [MHz]	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)				650000	656000	662000			
100	Pi2 BPSK	1	1	23.45	23.48	23.59			
100	Pi2 BPSK	1	137	22.83	22.69	22.57	24.0	0.0	
100	Pi2 BPSK	1	271	22.59	22.74	22.66			
100	Pi2 BPSK	135	0	23.24	23.34	23.26	24.0	0.0	
100	Pi2 BPSK	135	69	23.51	23.58	23.53	24.0	0.0	
100	Pi2 BPSK	135	138	23.30	23.38	23.27	24.0	0.0	
100	Pi2 BPSK	270	0	23.35	23.41	23.32			
100	QPSK	1	1	22.74	22.86	22.80			
100	QPSK	1	137	23.46	23.56	23.46	24.0	0.0	
100	QPSK	1	271	22.67	22.76	22.71			
100	QPSK	135	0	23.28	23.38	23.22	24.0	0.0	
100	QPSK	135	69	23.69	23.74	23.58	24.0	0.0	
100	QPSK	135	138	23.40	23.44	23.40	24.0	0.0	
100	QPSK	270	0	23.44	23.57	23.38			
100	16QAM	1	1	22.29	22.39	22.34	23.0	1.0	
100	64QAM	1	1	22.38	22.44	22.39	23.0	1.0	
100	256QAM	1	1	21.43	21.55	21.47	22.0	2.0	
Channel									
Frequency (MHz)				646668	656000	662334	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.67	23.60	23.50	24.0	0.0	
Channel									
Frequency (MHz)				646334	656000	662000	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.65	23.60	23.47	24.0	0.0	
Channel									
Frequency (MHz)				646000	656000	662000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	23.57	23.64	23.47	24.0	0.0	
Channel									
Frequency (MHz)				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.55	23.61	23.51	24.0	0.0	
Channel									
Frequency (MHz)				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.58	23.62	23.54	24.0	0.0	
Channel									
Frequency (MHz)				646800	656000	664000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.56	23.69	23.49	24.0	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.62	23.67	23.63	24.0	0.0	
Channel									
Frequency (MHz)				647168	656000	664554	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.58	23.71	23.51	24.0	0.0	
Channel									
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.62	23.59	23.48	24.0	0.0	

Part27Q n77 PC3 Ant 5									
BW [MHz]	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)				3840					
100	Pi2 BPSK	1	1	23.40	23.40	23.40			
100	Pi2 BPSK	1	137	22.83	22.67	22.57	24.0		0.0
100	Pi2 BPSK	1	271	22.67	22.67	22.67			
100	Pi2 BPSK	135	0	23.29	23.29	23.26	24.0		0.0
100	Pi2 BPSK	135	69	23.50	23.50	23.50	24.0		0.0
100	Pi2 BPSK	135	138	23.33	23.33	23.33	24.0		0.0
100	Pi2 BPSK	270	0	23.33	23.33	23.33			
100	QPSK	1	1	22.68	22.68	22.68			
100	QPSK	1	137	23.44	23.44	23.44	24.0		0.0
100	QPSK	1	271	22.72	22.72	22.72			
100	QPSK	135	0	23.30	23.30	23.30	24.0		0.0
100	QPSK	135	69	23.67	23.67	23.67	24.0		0.0
100	QPSK	135	138	23.35	23.35	23.35	24.0		0.0
100	QPSK	270	0	23.52	23.52	23.52			
100	16QAM	1	1	22.35	22.35	22.35	23.0		1.0
100	64QAM	1	1	22.34	22.34	22.34	23.0		1.0
100	256QAM	1	1	21.47	21.47	21.47	22.0		2.0
Channel									
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.46	23.53	23.56	24.0		0.0
Channel									
Frequency (MHz)				3400.02	3500.01	3600.00	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	23.45	23.58	23.56	24.0		0.0
Channel									
Frequency (MHz)				3333.33	3433.33	3533.33	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	23.50	23.50	23.51	24.0		0.0
Channel									
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	23.48	23.61	23.60	24.0		0.0
Channel									
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	23.47	23.60	23.59	24.0		0.0
Channel									
Frequency (MHz)				631334	633334	635000	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	23.47	23.60	23.59	24.0		0.0
Channel									
Frequency (MHz)				630999	633334	636000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.46	23.61	23.60	24.0		0.0
Channel									
Frequency (MHz)				3400.02	3500.01	3600.00	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.45	23.63	23.59	24.0		0.0
Channel									
Frequency (MHz)				3367.5	3500.01	3625.02	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.46	23.60	23.49	24.0		0.0
Channel									
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.45	23.54	23.53	24.0		0.0



Part270 n77 PC2 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	3750	3840	3930			
100	PQ2 BPSK	1	137	25.70	25.87	25.84			
100	PQ2 BPSK	1	137	25.40	25.43	25.37	27.0	0.0	
100	PQ2 BPSK	1	271	25.21	25.30	25.17			
100	PQ2 BPSK	135	0	25.61	25.69	25.65	26.5	0.5	
100	PQ2 BPSK	135	69	25.92	26.04	25.96	27.0	0.0	
100	PQ2 BPSK	135	138	25.29	25.44	25.29	26.5	0.5	
100	PQ2 BPSK	270	0	25.38	25.51	25.44			
100	QPSK	1	1	25.40	25.44	25.33			
100	QPSK	1	137	25.67	25.95	25.63	27.0	0.0	
100	QPSK	1	271	25.13	25.22	25.15			
100	QPSK	135	0	25.50	25.59	25.53	26.0	1.0	
100	QPSK	135	69	25.39	25.42	25.35	27.0	0.0	
100	QPSK	135	138	25.14	25.28	25.21	26.0	1.0	
100	QPSK	270	0	25.27	25.32	25.23			
100	16QAM	1	1	24.13	24.18	24.04	26.0	1.0	
100	64QAM	1	1	23.02	23.13	23.04	24.5	2.5	
100	256QAM	1	1	21.56	21.64	21.54	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	6496.6	65000	65234	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	26.27	26.29	26.27	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	6493.34	65000	65068	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	26.28	26.28	26.31	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	6490.0	65000	65000	Tune-up limit (dBm)	MPR	
70	QPSK	1	1	26.20	26.32	26.31	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	6496.6	65000	65134	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	26.25	26.29	26.28	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	6493.34	65000	65068	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	26.33	26.35	26.32	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	6490.0	65000	65000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	26.20	26.37	26.22	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64734	65000	65468	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	26.30	26.34	26.21	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	64700	65000	65434	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	26.33	26.31	26.25	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	64700	65000	65000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	26.34	26.38	26.24	27.0	0.0	

Part27Q n77 PC2 Ant 5									
BW [MHz]	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)				3500.01					
100	PQ2 BPSK	1	1	25.45	25.45	25.45			
100	PQ2 BPSK	1	137	25.25	25.25	25.25	27.0	0.0	
100	PQ2 BPSK	1	271	25.45	25.45	25.45			
100	PQ2 BPSK	135	0	26.58	26.58	26.58	26.5	0.5	
100	PQ2 BPSK	135	69	26.07	26.07	26.07	27.0	0.0	
100	PQ2 BPSK	135	138	25.45	25.45	25.45	26.5	0.5	
100	PQ2 BPSK	270	0	25.41	25.41	25.41			
100	QPSK	1	1	25.84	25.84	25.84			
100	QPSK	1	137	26.36	26.36	26.36	27.0	0.0	
100	QPSK	1	271	25.25	25.25	25.25			
100	QPSK	135	0	25.59	25.59	25.59	26.0	1.0	
100	QPSK	135	69	26.38	26.38	26.38	27.0	0.0	
100	QPSK	135	138	25.25	25.25	25.25	26.0	1.0	
100	QPSK	270	0	25.33	25.33	25.33			
100	16QAM	1	1	24.16	24.16	24.05	24.5	2.5	
100	64QAM	1	1	23.17	23.17	23.17	24.5	2.5	
100	256QAM	1	1	21.53	21.53	21.53	22.5	4.5	
Channel									
Frequency (MHz)				63300	63334	63368	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	26.28	26.33	26.27	#VALUE!	0.0	
Channel									
Frequency (MHz)				3469.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	26.26	26.26	26.32	#VALUE!	0.0	
Channel									
Frequency (MHz)				3425.01	3500.01	35134	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	3485.01	3500.01	3515.01	#VALUE!	0.0	
Channel									
Frequency (MHz)				26.27	26.27	26.32	#VALUE!	0.0	
Channel									
Frequency (MHz)				63200	63334	63468	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	26.21	26.30	26.22	#VALUE!	0.0	
Channel									
Frequency (MHz)				6316.68	63334	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3415.01	3500.01	3524	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	26.26	26.25	26.25	#VALUE!	0.0	
Channel									
Frequency (MHz)				63134	63334	63534	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	26.18	26.23	26.27	#VALUE!	0.0	
Channel									
Frequency (MHz)				6306.8	63334	63634	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	26.26	26.35	26.24	#VALUE!	0.0	
Channel									
Frequency (MHz)				6300.0	63334	3625.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3457.5	3500.01	3624.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	26.18	26.23	26.20	#VALUE!	0.0	
Channel									
Frequency (MHz)				6303.4	63334	3624.51	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				3455.01	3500.01	3625.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	26.17	26.32	26.25	#VALUE!	0.0	

Part270 n78 PC3 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PQ2 BPSK	1	1	3750	3750	3750			
100	PQ2 BPSK	1	137	23.37	23.37	23.37	24.0	0.0	
100	PQ2 BPSK	1	271	22.67	22.67	22.67			
100	PQ2 BPSK	135	0	23.20	23.20	23.20	24.0	0.0	
100	PQ2 BPSK	135	69	23.47	23.47	23.47	24.0	0.0	
100	PQ2 BPSK	135	138	23.30	23.30	23.30	24.0	0.0	
100	PQ2 BPSK	270	0	23.35	23.35	23.35			
100	QPSK	1	1	22.84	22.84	22.84			
100	QPSK	1	137	23.58	23.58	23.58	24.0	0.0	
100	QPSK	1	271	22.61	22.61	22.61			
100	QPSK	135	0	23.33	23.33	23.33	24.0	0.0	
100	QPSK	135	69	23.71	23.71	23.71	24.0	0.0	
100	QPSK	135	138	23.60	23.60	23.60	24.0	0.0	
100	QPSK	270	0	23.05	23.05	23.05			
100	16QAM	1	1	22.25	22.25	22.25	23.0	1.0	
100	64QAM	1	1	22.37	22.37	22.37	23.0	1.0	
100	256QAM	1	1	21.42	21.42	21.42	22.0	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	6496.6	65000	65034	Tune-up limit (dBm)	MPR	
90	QPSK	1	1	23.53	23.52	23.55	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	6483.34	65000	65068	Tune-up limit (dBm)	MPR	
80	QPSK	1	1	3740.01	3750	3760.02	24.0	0.0	
80	QPSK	1	1	23.64	23.58	23.52	24.0	0.0	
80	QPSK	1	1	6483.34	65000	65100.2	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
70	QPSK	1	1	3735	3750	3765	24.0	0.0	
70	QPSK	1	1	23.54	23.59	23.48	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	6486.8	65000	65134	Tune-up limit (dBm)	MPR	
60	QPSK	1	1	3740.02	3750	3760.01	24.0	0.0	
60	QPSK	1	1	23.62	23.61	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	6483.34	65000	65168	Tune-up limit (dBm)	MPR	
50	QPSK	1	1	3725.01	3750	3770.02	24.0	0.0	
50	QPSK	1	1	23.61	23.62	23.51	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	6500.0	65000	65000	Tune-up limit (dBm)	MPR	
40	QPSK	1	1	3720	3750	3780	24.0	0.0	
40	QPSK	1	1	23.54	23.58	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	3716.0	3750	3786.01	Tune-up limit (dBm)	MPR	
30	QPSK	1	1	23.64	23.56	23.53	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	6473.34	65000	65068	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	3710.01	3750	3770.02	24.0	0.0	
20	QPSK	1	1	23.58	23.57	23.57	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	6471.68	65000	65234	Tune-up limit (dBm)	MPR	
15	QPSK	1	1	3707.52	3750	3762.51	24.0	0.0	
15	QPSK	1	1	23.56	23.65	23.50	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	6470.0	65000	65300	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	3705	3750	3755	24.0	0.0	
10	QPSK	1	1	23.80	23.66	23.59	24.0	0.0	

Part27Q n78 PC3 Ant 5								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Modem Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PQ2 BPSK	1	1		23.31			
100	PQ2 BPSK	1	137		22.54		24.0	0.0
100	PQ2 BPSK	1	271		22.60			
100	PQ2 BPSK	135	0		23.11		24.0	0.0
100	PQ2 BPSK	135	69		23.24		24.0	0.0
100	PQ2 BPSK	135	138		23.24		24.0	0.0
100	PQ2 BPSK	270	0		23.26			
100	QPSK	1	1		22.70			
100	QPSK	1	137		22.56		24.0	0.0
100	QPSK	1	271		22.52			
100	QPSK	135	0		23.18		24.0	0.0
100	QPSK	135	69		23.07		24.0	0.0
100	QPSK	135	138		23.48		24.0	0.0
100	QPSK	270	0		23.55			
100	16QAM	1	1		22.14		23.0	1.0
100	64QAM	1	1		22.31		23.0	1.0
100	256QAM	1	1		21.38		22.0	2.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3000.01	3005.02	(dBm)	(dB)
90	QPSK	1	1	23.64	23.56	23.54	#VALUE!	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3486.02	3000.01	3010.01	(dBm)	(dB)
80	QPSK	1	1	23.62	23.53	23.55	#VALUE!	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3000.01	3015.01	(dBm)	(dB)
70	QPSK	1	1	23.56	23.54	23.54	#VALUE!	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3486	3000.01	3020.02	(dBm)	(dB)
60	QPSK	1	1	23.54	23.53	23.51	#VALUE!	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3000.01	3025	(dBm)	(dB)
50	QPSK	1	1	23.55	23.56	23.56	#VALUE!	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3000.01	3028.01	(dBm)	(dB)
40	QPSK	1	1	23.54	23.58	23.54	#VALUE!	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3000.01	3035.02	(dBm)	(dB)
30	QPSK	1	1	23.55	23.59	23.59	#VALUE!	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3000.01	3040	(dBm)	(dB)
20	QPSK	1	1	23.55	23.52	23.57	#VALUE!	0.0
Channel				630000	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3452.15	3000.01	3042.92	(dBm)	(dB)
15	QPSK	1	1	23.61	23.58	23.58	#VALUE!	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3000.01	3045.01	(dBm)	(dB)
10	QPSK	1	1	23.58	23.61	23.56	#VALUE!	0.0

n41 Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	18.18	18.20	18.16	20.0	0.0
100	PI/2 BPSK	1	137	18.72	18.79	18.65		
100	PI/2 BPSK	1	271	18.75	18.78	18.66	20.0	0.0
100	PI/2 BPSK	135	0	18.46	18.51	18.47		
100	PI/2 BPSK	135	69	18.82	18.87	18.82	20.0	0.0
100	PI/2 BPSK	135	138	18.52	18.65	18.53		
100	PI/2 BPSK	270	0	18.64	18.72	18.63	20.0	0.0
100	QPSK	1	1	18.16	18.18	18.13		
100	QPSK	1	137	18.71	18.97	18.71	20.0	0.0
100	QPSK	1	271	18.67	18.76	18.71		
100	QPSK	135	0	18.39	18.54	18.48	20.0	0.0
100	QPSK	135	69	18.72	18.79	18.73		
100	QPSK	135	138	18.54	18.69	18.65	20.0	0.0
100	QPSK	270	0	18.56	18.60	18.51		
100	16QAM	1	1	17.23	17.30	17.26	19.0	1.0
100	64QAM	1	1	17.42	17.57	17.48		
100	256QAM	1	1	16.57	16.69	16.64	18.0	2.0
Channel				505200	518598	529996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	18.14	18.17	18.03	20.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	18.06	18.17	18.10	20.0	0.0
Channel				505202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	18.09	18.16	18.08	20.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	18.16	18.10	18.04	20.0	0.0
Channel				504204	518598	532008	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	18.10	18.09	18.07	20.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	18.07	18.09	18.03	20.0	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	18.14	18.12	18.10	20.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	18.12	18.09	18.10	20.0	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	18.16	18.13	18.05	20.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	18.09	18.16	18.08	20.0	0.0

n41 PC2 Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	25.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.22	21.27	21.18	23.0	0.0
100	PI/2 BPSK	1	137	21.88	21.91	21.82		
100	PI/2 BPSK	1	271	21.88	21.92	21.84	22.5	0.5
100	PI/2 BPSK	135	0	21.05	21.15	21.07		
100	PI/2 BPSK	135	69	21.83	21.87	21.83	22.5	0.0
100	PI/2 BPSK	135	138	21.03	21.06	21.02		
100	PI/2 BPSK	270	0	21.13	21.25	21.18	22.5	0.5
100	QPSK	1	1	21.26	21.35	21.20		
100	QPSK	1	137	21.90	21.96	21.85	23.0	0.0
100	QPSK	1	271	21.71	21.85	21.82		
100	QPSK	135	0	20.52	20.63	20.59	22.0	1.0
100	QPSK	135	69	21.90	21.93	21.88		
100	QPSK	135	138	20.71	20.80	20.71	23.0	0.0
100	QPSK	270	0	20.65	20.80	20.60		
100	16QAM	1	1	20.66	20.78	20.76	22.0	1.0
100	64QAM	1	1	19.29	19.33	19.22		
100	256QAM	1	1	16.91	16.95	16.89	18.5	4.5
Channel				506200	518598	529996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	21.24	21.30	21.11	23.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	21.22	21.26	21.13	23.0	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	21.21	21.32	21.14	23.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	21.16	21.33	21.14	23.0	0.0
Channel				504204	518598	532008	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	21.16	21.31	21.11	23.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	21.20	21.34	21.19	23.0	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	21.19	21.27	21.17	23.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	21.21	21.31	21.11	23.0	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	21.24	21.30	21.15	23.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	21.25	21.30	21.17	23.0	0.0



Part270 n77 PC3 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)				656000	656000	662000			
100	PI2 BPSK	1	1	20.32	20.37	20.25	21.0	0.0	
100	PI2 BPSK	1	137	19.83	19.88	19.75			
100	PI2 BPSK	1	271	19.74	19.88	19.75			
100	PI2 BPSK	135	0	20.44	20.47	20.38	21.0	0.0	
100	PI2 BPSK	135	69	20.51	20.42	20.49	21.0	0.0	
100	PI2 BPSK	135	138	20.37	20.45	20.37	21.0	0.0	
100	PI2 BPSK	270	0	20.42	20.50	20.41	21.0	0.0	
100	QPSK	1	1	19.56	19.65	19.57			
100	QPSK	1	137	20.47	20.57	20.50			
100	QPSK	1	271	19.74	19.77	19.73	21.0	0.0	
100	QPSK	135	0	20.37	20.44	20.40			
100	QPSK	135	69	20.43	20.55	20.42			
100	QPSK	135	138	20.28	20.31	20.25	21.0	0.0	
100	QPSK	270	0	20.32	20.35	20.32	20.0	1.0	
100	16QAM	1	1	19.31	19.36	19.31			
100	64QAM	1	1	19.24	19.31	19.18			
100	256QAM	1	1	18.33	18.36	18.25	19.0	2.0	
Channel				649668	656000	662534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	20.41	20.44	20.46	21.0	0.0	
Channel				649534	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.01	3840	3940.02			
80	QPSK	1	1	20.41	20.48	20.42	21.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	20.42	20.53	20.43	21.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	20.42	20.51	20.45	21.0	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3950.02			
50	QPSK	1	1	20.34	20.42	20.44	21.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1	20.34	20.47	20.42	21.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	20.38	20.51	20.45	21.0	0.0	
Channel				647168	656000	664534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	20.40	20.47	20.44	21.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	20.34	20.54	20.36	21.0	0.0	

Part270Q n77 PC3 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				630000 635334 639668					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1	20.24	20.24	20.24	21.0	0.0	
100	PI2 BPSK	1	137	19.30	19.30	19.30			
100	PI2 BPSK	1	271	19.37	19.37	19.37			
100	PI2 BPSK	135	0	20.24	20.24	20.24	21.0	0.0	
100	PI2 BPSK	135	69	20.20	20.20	20.20	21.0	0.0	
100	PI2 BPSK	135	138	20.34	20.34	20.34	21.0	0.0	
100	PI2 BPSK	270	0	20.41	20.41	20.41	21.0	0.0	
100	QPSK	1	1	19.58	19.58	19.58			
100	QPSK	1	137	20.46	20.46	20.46			
100	QPSK	1	271	19.68	19.68	19.68	21.0	0.0	
100	QPSK	135	0	20.28	20.28	20.28			
100	QPSK	135	69	20.31	20.31	20.31			
100	QPSK	135	138	20.25	20.25	20.25	21.0	0.0	
100	QPSK	270	0	20.28	20.28	20.28	20.0	1.0	
100	16QAM	1	1	19.30	19.30	19.30			
100	64QAM	1	1	19.24	19.24	19.24			
100	256QAM	1	1	18.24	18.24	18.24	19.0	2.0	
Channel				630000	635334	639668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	21.0	0.0	
90	QPSK	1	1	20.35	20.37	20.42	21.0	0.0	
Channel				632668	635334	639400	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510	21.0	0.0	
80	QPSK	1	1	20.32	20.30	20.35	21.0	0.0	
Channel				632334	635334	639434	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	21.0	0.0	
70	QPSK	1	1	20.32	20.34	20.41	21.0	0.0	
Channel				632000	635334	639468	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	21.0	0.0	
60	QPSK	1	1	20.41	20.31	20.32	21.0	0.0	
Channel				631668	635334	639500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	21.0	0.0	
50	QPSK	1	1	20.34	20.36	20.34	21.0	0.0	
Channel				631334	635334	639534	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	21.0	0.0	
40	QPSK	1	1	20.33	20.33	20.40	21.0	0.0	
Channel				630668	635334	639600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540	21.0	0.0	
20	QPSK	1	1	20.38	20.41	20.42	21.0	0.0	
Channel				630300	635334	639168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.52	3500.01	3542.52	21.0	0.0	
15	QPSK	1	1	20.36	20.35	20.32	21.0	0.0	
Channel				630334	635334	639334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3445.01	3500.01	3545.01	21.0	0.0	
10	QPSK	1	1	20.42	20.42	20.31	21.0	0.0	

Part270 n77 PC2 Ant 7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)		
Channel				3750	3840	3930				
Frequency (MHz)										
100	PI2 BPSK	1	1	22.59	23.03	23.03	24.0	0.0		
100	PI2 BPSK	1	137	22.10	22.14	22.12				
100	PI2 BPSK	1	271	22.16	22.18	22.16				
100	PI2 BPSK	135	0	22.94	23.02	23.02	24.0	0.0		
100	PI2 BPSK	135	69	23.06	23.07	23.07	24.0	0.0		
100	PI2 BPSK	135	138	23.15	23.15	23.14	24.0	0.0		
100	PI2 BPSK	270	0	23.21	23.25	23.23	24.0	0.0		
100	QPSK	1	1	22.32	22.39	22.35				
100	QPSK	1	137	23.29	23.27	23.26				
100	QPSK	1	271	22.47	22.53	22.50	24.0	0.0		
100	QPSK	135	0	23.07	23.10	23.03				
100	QPSK	135	69	23.08	23.13	23.07				
100	QPSK	135	138	22.98	23.05	23.02	24.0	0.0		
100	QPSK	270	0	23.02	23.11	23.02	23.0	1.0		
100	16QAM	1	1	21.36	21.37	21.27				
100	64QAM	1	1	19.87	19.88	19.81	21.5	2.5		
100	256QAM	1	1	18.42	18.47	18.45	19.5	4.5		
Channel				649534	656000	662534	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)		
90	Channel <td>649534<td>656000<td>662534<td>Tune-up limit</td><td colspan="2">MPR</td></td></td></td>				649534 <td>656000<td>662534<td>Tune-up limit</td><td colspan="2">MPR</td></td></td>	656000 <td>662534<td>Tune-up limit</td><td colspan="2">MPR</td></td>	662534 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
	Frequency (MHz) <td>3745.01<td>3840<td>3940.02<td>(dBm)<td colspan="2">(dB)</td></td></td></td></td>				3745.01 <td>3840<td>3940.02<td>(dBm)<td colspan="2">(dB)</td></td></td></td>	3840 <td>3940.02<td>(dBm)<td colspan="2">(dB)</td></td></td>	3940.02 <td>(dBm)<td colspan="2">(dB)</td></td>	(dBm) <td colspan="2">(dB)</td>	(dB)	
	80	QPSK	1	1	23.34	23.39	23.36	24.0	0.0	
70	Channel <td>649534<td>656000<td>662534<td>Tune-up limit</td><td colspan="2">MPR</td></td></td></td>				649534 <td>656000<td>662534<td>Tune-up limit</td><td colspan="2">MPR</td></td></td>	656000 <td>662534<td>Tune-up limit</td><td colspan="2">MPR</td></td>	662534 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
	Frequency (MHz) <td>3725<td>3840<td>3945</td><td>(dBm)<td colspan="2">(dB)</td></td></td></td>				3725 <td>3840<td>3945</td><td>(dBm)<td colspan="2">(dB)</td></td></td>	3840 <td>3945</td> <td>(dBm)<td colspan="2">(dB)</td></td>	3945	(dBm) <td colspan="2">(dB)</td>	(dB)	
	70	QPSK	1	1	23.32	23.33	23.28	24.0	0.0	
60	Channel <td>649534<td>656000<td>663334<td>Tune-up limit</td><td colspan="2">MPR</td></td></td></td>				649534 <td>656000<td>663334<td>Tune-up limit</td><td colspan="2">MPR</td></td></td>	656000 <td>663334<td>Tune-up limit</td><td colspan="2">MPR</td></td>	663334 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
	Frequency (MHz) <td>3740<td>3840<td>3960.01</td><td>(dBm)<td colspan="2">(dB)</td></td></td></td>				3740 <td>3840<td>3960.01</td><td>(dBm)<td colspan="2">(dB)</td></td></td>	3840 <td>3960.01</td> <td>(dBm)<td colspan="2">(dB)</td></td>	3960.01	(dBm) <td colspan="2">(dB)</td>	(dB)	
	60	QPSK	1	1	23.24	23.31	23.24	24.0	0.0	
50	Channel <td>649534<td>656000<td>663608<td>Tune-up limit</td><td colspan="2">MPR</td></td></td></td>				649534 <td>656000<td>663608<td>Tune-up limit</td><td colspan="2">MPR</td></td></td>	656000 <td>663608<td>Tune-up limit</td><td colspan="2">MPR</td></td>	663608 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
	Frequency (MHz) <td>3740<td>3840<td>3962.02</td><td>(dBm)<td colspan="2">(dB)</td></td></td></td>				3740 <td>3840<td>3962.02</td><td>(dBm)<td colspan="2">(dB)</td></td></td>	3840 <td>3962.02</td> <td>(dBm)<td colspan="2">(dB)</td></td>	3962.02	(dBm) <td colspan="2">(dB)</td>	(dB)	
	50	QPSK	1	1	23.28	23.25	23.25	24.0	0.0	
40	Channel <td>649800<td>656000<td>664600<td>Tune-up limit</td><td colspan="2">MPR</td></td></td></td>				649800 <td>656000<td>664600<td>Tune-up limit</td><td colspan="2">MPR</td></td></td>	656000 <td>664600<td>Tune-up limit</td><td colspan="2">MPR</td></td>	664600 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
	Frequency (MHz) <td>3720<td>3840<td>3960</td><td>(dBm)</td><td colspan="2">(dB)</td></td></td>				3720 <td>3840<td>3960</td><td>(dBm)</td><td colspan="2">(dB)</td></td>	3840 <td>3960</td> <td>(dBm)</td> <td colspan="2">(dB)</td>	3960	(dBm)	(dB)	
	40	QPSK	1	1	23.25	23.24	23.25	24.0	0.0	
20	Channel <td>3716.01<td>3840<td>3970.02</td><td>Tune-up limit</td><td colspan="2">MPR</td></td></td>				3716.01 <td>3840<td>3970.02</td><td>Tune-up limit</td><td colspan="2">MPR</td></td>	3840 <td>3970.02</td> <td>Tune-up limit</td> <td colspan="2">MPR</td>	3970.02	Tune-up limit	MPR	
	Frequency (MHz) <td><td><td><td>(dBm)</td><td colspan="2">(dB)</td></td></td></td>				<td><td><td>(dBm)</td><td colspan="2">(dB)</td></td></td>	<td><td>(dBm)</td><td colspan="2">(dB)</td></td>	<td>(dBm)</td> <td colspan="2">(dB)</td>	(dBm)	(dB)	
	20	QPSK	1	1	23.23	23.24	23.24	24.0	0.0	
15	Channel <td>3716.01<td>390000<td>3970.01</td><td>Tune-up limit</td><td colspan="2">MPR</td></td></td>				3716.01 <td>390000<td>3970.01</td><td>Tune-up limit</td><td colspan="2">MPR</td></td>	390000 <td>3970.01</td> <td>Tune-up limit</td> <td colspan="2">MPR</td>	3970.01	Tune-up limit	MPR	
	Frequency (MHz) <td><td><td><td>(dBm)</td><td colspan="2">(dB)</td></td></td></td>				<td><td><td>(dBm)</td><td colspan="2">(dB)</td></td></td>	<td><td>(dBm)</td><td colspan="2">(dB)</td></td>	<td>(dBm)</td> <td colspan="2">(dB)</td>	(dBm)	(dB)	
	15	QPSK	1	1	23.29	23.27	23.24	24.0	0.0	
10	Channel <td>647000<td>656000<td>665000<td>Tune-up limit</td><td colspan="2">MPR</td></td></td></td>				647000 <td>656000<td>665000<td>Tune-up limit</td><td colspan="2">MPR</td></td></td>	656000 <td>665000<td>Tune-up limit</td><td colspan="2">MPR</td></td>	665000 <td>Tune-up limit</td> <td colspan="2">MPR</td>	Tune-up limit	MPR	
	Frequency (MHz) <td>3705<td>3840<td>3925</td><td>(dBm)</td><td colspan="2">(dB)</td></td></td>				3705 <td>3840<td>3925</td><td>(dBm)</td><td colspan="2">(dB)</td></td>	3840 <td>3925</td> <td>(dBm)</td> <td colspan="2">(dB)</td>	3925	(dBm)	(dB)	
	10	QPSK	1	1	23.31	23.32	23.29	24.0	0.0	



Part27Q n77 PC2 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3600.01					
100	P12 BPSK	1	1	23.03			24.0	0.0	
100	P12 BPSK	1	137	22.03					
100	P12 BPSK	1	271	22.18					
100	P12 BPSK	135	0	22.92			24.0	0.0	
100	P12 BPSK	135	69	22.99			24.0	0.0	
100	P12 BPSK	135	138	23.03			24.0	0.0	
100	P12 BPSK	270	0	23.11			24.0	0.0	
100	QPSK	1	1	22.39					
100	QPSK	1	137	22.03					
100	QPSK	1	271	22.40			24.0	0.0	
100	QPSK	135	0	23.10			24.0	0.0	
100	QPSK	135	69	23.02			24.0	0.0	
100	QPSK	135	138	22.88			24.0	0.0	
100	QPSK	270	0	23.10			24.0	0.0	
100	16QAM	1	1	21.24					
100	64QAM	1	1	19.86					
100	256QAM	1	1	18.30			19.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	23.16	23.26	23.19	24.0	0.0	
Channel				3490.02	633334	3510	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3600.01	3610			
80	QPSK	1	1	23.13	23.20	23.19	24.0	0.0	
Channel				3485.01	633334	3515.01	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3600.01	3615.01			
70	QPSK	1	1	23.06	23.24	23.16	24.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3600.01	3620.02			
60	QPSK	1	1	23.09	23.21	23.10	24.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.02	3600.01	3625.02			
50	QPSK	1	1	23.09	23.16	23.14	24.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3600.01	3630.01			
40	QPSK	1	1	23.14	23.20	23.15	24.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465.01	3600.01	3645.01			
20	QPSK	1	1	23.11	23.17	23.18	24.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3467.5	3600.01	3642.52			
15	QPSK	1	1	23.08	23.25	23.18	24.0	0.0	
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465.01	3600.01	3645.01			
10	QPSK	1	1	23.08	23.21	23.16	24.0	0.0	

Part27Q n78 PC3 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dbm)	MPR (db)	
Channel									
Frequency (MHz)				3750	3750	3750			
100	P12 BPSK	1	1	21.40			22.0	0.0	
100	P12 BPSK	1	137	20.64					
100	P12 BPSK	1	271	20.82					
100	P12 BPSK	135	0	21.34			22.0	0.0	
100	P12 BPSK	135	69	21.46			22.0	0.0	
100	P12 BPSK	135	138	21.34			22.0	0.0	
100	P12 BPSK	270	0	21.43			22.0	0.0	
100	QPSK	1	1	20.41					
100	QPSK	1	137	21.69					
100	QPSK	1	271	20.68			22.0	0.0	
100	QPSK	135	0	21.22			22.0	0.0	
100	QPSK	135	69	21.42			22.0	0.0	
100	QPSK	135	138	21.20			22.0	0.0	
100	QPSK	270	0	21.25			21.0	1.0	
100	16QAM	1	1	20.37					
100	64QAM	1	1	20.48					
100	256QAM	1	1	19.78			20.0	2.0	
Channel				646668	650000	650334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	21.42	21.49	21.45	#VALUE!	0.0	
Channel				649334	650000	650668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	21.36	21.46	21.43	#VALUE!	0.0	
Channel				649000	650000	651000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3735.00	3750	3765.00			
70	QPSK	1	1	21.45	21.55	21.45	#VALUE!	0.0	
Channel				648668	650000	651334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3730.00	3750	3770.00			
60	QPSK	1	1	21.35	21.57	21.42	#VALUE!	0.0	
Channel				648334	650000	651668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	21.37	21.48	21.46	#VALUE!	0.0	
Channel				648000	650000	652000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3720.00	3750	3780.00			
40	QPSK	1	1	21.46	21.52	21.49	#VALUE!	0.0	
Channel				647668	650000	652334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3715.00	3750	3785.00			
30	QPSK	1	1	21.37	21.51	21.49	#VALUE!	0.0	
Channel				647334	650000	652668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	21.42	21.46	21.52	#VALUE!	0.0	
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3705.00	3750	3795.00			
15	QPSK	1	1	21.36	21.47	21.48	#VALUE!	0.0	
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3700.00	3750	3798.00			
10	QPSK	1	1	21.43	21.53	21.51	#VALUE!	0.0	

Part27Q n78 PC3 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				300001					
Frequency (MHz)									
100	P12 BPSK	1	1	21.14			22.0	0.0	
100	P12 BPSK	1	137	20.56					
100	P12 BPSK	1	271	20.76					
100	P12 BPSK	135	0	21.21			22.0	0.0	
100	P12 BPSK	135	69	21.42			22.0	0.0	
100	P12 BPSK	135	138	21.21			22.0	0.0	
100	P12 BPSK	270	0	21.30			22.0	0.0	
100	QPSK	1	1	20.47					
100	QPSK	1	137	21.48					
100	QPSK	1	271	20.64			22.0	0.0	
100	QPSK	135	0	21.12			22.0	0.0	
100	QPSK	135	69	21.32			22.0	0.0	
100	QPSK	135	138	21.16			22.0	0.0	
100	QPSK	270	0	21.25			21.0	1.0	
100	16QAM	1	1	20.28					
100	64QAM	1	1	20.42					
100	256QAM	1	1	19.66			20.0	2.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	300001			
90	QPSK	1	1	21.36	21.45	21.28	22.0	0.0	
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	3010	22.0	0.0	
80	QPSK	1	1	21.31	21.36	21.30	22.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	301501	22.0	0.0	
70	QPSK	1	1	21.39	21.34	21.31	22.0	0.0	
Channel				630000	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	3020	22.0	0.0	
60	QPSK	1	1	21.33	21.38	21.37	22.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	3025	22.0	0.0	
50	QPSK	1	1	21.32	21.39	21.26	22.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	303001	22.0	0.0	
40	QPSK	1	1	21.38	21.44	21.37	22.0	0.0	
Channel				631000	633334	635568	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	303568	22.0	0.0	
30	QPSK	1	1	21.31	21.34	21.26	22.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	3040	22.0	0.0	
20	QPSK	1	1	21.40	21.37	21.37	22.0	0.0	
Channel				630334	633334	636168	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	304252	22.0	0.0	
10	QPSK	1	1	21.31	21.43	21.26	22.0	0.0	
Channel				632334	633334	636334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				300001	300001	304801	22.0	0.0	
10	QPSK	1	1	21.31	21.40	21.34	22.0	0.0	

Reduced Power Mode for Receiver on for 5GNR

n41 PC2 Ant1 SA 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				509202	518598	528000	25.0	0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.23	23.39	23.18	25.0	0
100	PI/2 BPSK	1	137	23.28	23.32	23.25		
100	PI/2 BPSK	1	271	23.22	23.37	23.19		
100	PI/2 BPSK	135	0	23.31	23.31	23.23	25.0	0
100	PI/2 BPSK	135	69	23.21	23.40	23.19	25.0	0
100	PI/2 BPSK	135	138	23.28	23.32	23.22	25.0	0
100	PI/2 BPSK	270	0	23.24	23.40	23.16		
100	QPSK	1	1	23.28	23.33	23.25	25.0	0
100	QPSK	1	137	23.22	23.66	23.17		
100	QPSK	1	271	23.31	23.30	23.26		
100	QPSK	135	0	23.43	23.40	23.36	25.0	0
100	QPSK	135	69	23.48	23.97	23.42	25.0	0.0
100	QPSK	135	138	23.44	23.49	23.39	25.0	0
100	QPSK	270	0	23.41	23.89	23.41		
100	16QAM	1	1	23.22	23.32	23.31	25.0	0
100	64QAM	1	1	22.84	22.98	22.92	24.5	0.5
100	256QAM	1	1	20.92	21.02	20.96	22.5	2.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2592.99	2644.98		
90	QPSK	1	1	23.20	23.29	23.17	25.0	0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.24	23.34	23.19	25.0	0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.24	23.32	23.12	25.0	0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.19	23.33	23.16	25.0	0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.20	23.32	23.11	25.0	0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.19	23.38	23.13	25.0	0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.24	23.34	23.21	25.0	0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.19	23.40	23.17	25.0	0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.23	23.30	23.16	25.0	0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.18	23.33	23.13	25.0	0

n2 Ant4 SA DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1860	1965			
30	Pl2 BPSK	1	1	20.74	20.77	20.69		22.5	0.0
30	Pl2 BPSK	1	80	21.07	21.15	21.07			
30	Pl2 BPSK	1	156	20.67	20.74	20.66			
30	Pl2 BPSK	80	0	20.95	21.05	20.97	22.5	0.0	
30	Pl2 BPSK	80	40	21.04	21.09	20.99	22.5	0.0	
30	Pl2 BPSK	80	80	20.83	20.87	20.75	22.5	0.0	
30	Pl2 BPSK	160	0	20.86	20.90	20.86			
30	QPSK	1	1	20.77	20.92	20.88		22.5	0.0
30	QPSK	1	80	21.13	21.51	21.12			
30	QPSK	1	156	20.67	20.69	20.64			
30	QPSK	80	0	20.98	21.02	21.00	22.5	0.0	
30	QPSK	80	40	21.08	21.18	21.12	22.5	0.0	
30	QPSK	80	80	20.80	20.89	20.90	22.5	0.0	
30	QPSK	160	0	20.91	21.05	20.80	22.5	0.0	
30	16QAM	1	1	20.56	20.61	20.60	22.5	0.0	
30	64QAM	1	1	20.47	20.54	20.70	22.0	0.5	
30	256QAM	1	1	20.38	20.52	20.46	21.0	1.5	
Channel				372000	373000	375000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1860	1897.5			
25	QPSK	1	1	20.71	20.88	20.83	22.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1860	1900			
20	Pl2 BPSK	1	1	20.71	20.73	20.66		22.5	0.0
20	Pl2 BPSK	1	53	21.01	21.10	21.03			
20	Pl2 BPSK	1	104	20.63	20.68	20.63			
20	Pl2 BPSK	50	0	20.90	21.01	20.91	22.5	0.0	
20	Pl2 BPSK	50	28	21.00	21.05	20.93	22.5	0.0	
20	Pl2 BPSK	50	56	20.76	20.81	20.70	22.5	0.0	
20	Pl2 BPSK	100	0	20.81	20.85	20.82		22.5	0.0
20	QPSK	1	1	20.71	20.85	20.82			
20	QPSK	1	53	21.06	21.27	21.08			
20	QPSK	1	104	20.64	20.65	20.60		23.0	1.0
20	QPSK	50	0	20.84	20.99	20.96			
20	QPSK	40	28	21.03	21.14	21.07	24.0		
20	QPSK	50	56	20.76	20.84	20.86	23.0	1.0	
20	QPSK	100	0	20.87	20.99	20.74		22.5	0.0
20	16QAM	1	1	20.52	20.56	20.55			
20	64QAM	1	1	20.42	20.43	20.66	22.0		
20	256QAM	1	1	20.35	20.47	20.42	21.0	1.5	
Channel				371500	376000	386500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1827.5	1830	1822.5			
15	QPSK	1	1	21.05	21.18	21.01	22.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1860	1905			
10	QPSK	1	1	21.02	21.21	21.07	22.5	0.0	
Channel				371000	372000	371000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1860	1807.5			
5	QPSK	1	1	21.01	21.26	20.99	22.5	0.0	

n5 Ant4 SA Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				167300	167300	167300			
Frequency (MHz)				836.5					
25	Pl2 BPSK	1	1	22.28				24.0	0.0
25	Pl2 BPSK	1	80	22.49					
25	Pl2 BPSK	1	156	22.42					
25	Pl2 BPSK	80	0	22.98			23.5	0.5	
25	Pl2 BPSK	80	40	22.54			24.0	0.0	
25	Pl2 BPSK	80	80	22.11			23.5	0.5	
25	Pl2 BPSK	160	0	22.17					
25	QPSK	1	1	22.52			24.0	0.0	
25	QPSK	1	80	22.34					
25	QPSK	1	156	22.39					
25	QPSK	80	0	21.58			23.0	1.0	
25	QPSK	80	40	22.65			24.0	0.0	
25	QPSK	80	80	21.62			23.0	1.0	
25	QPSK	160	0	21.65					
25	16QAM	1	1	21.09			23.0	1.0	
25	64QAM	1	1	19.57			21.5	2.5	
25	256QAM	1	1	19.31			19.5	4.5	
Channel				166800	167300	167900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.18	22.25	22.15		24.0	0.0
20	Pl2 BPSK	1	53	22.33	22.42	22.33			
20	Pl2 BPSK	1	104	22.23	22.39	22.25			
20	Pl2 BPSK	50	0	21.98	22.02	21.97	23.5	0.5	
20	Pl2 BPSK	50	28	22.43	22.51	22.39	24.0	0.0	
20	Pl2 BPSK	50	56	21.97	22.08	21.90	23.5	0.5	
20	Pl2 BPSK	100	0	22.05	22.11	22.00			
20	QPSK	1	1	22.34	22.46	22.37		24.0	0.0
20	QPSK	1	53	22.15	22.26	22.14			
20	QPSK	1	104	22.20	22.36	22.22			
20	QPSK	50	0	21.45	21.51	21.38	23.0	1.0	
20	QPSK	50	28	22.47	22.60	22.47	24.0	0.0	
20	QPSK	50	56	21.52	21.56	21.46		23.0	1.0
20	QPSK	100	0	21.55	21.60	21.54			
20	16QAM	1	1	20.98	21.03	21.01	23.0		
20	64QAM	1	1	19.47	19.51	19.48	21.5	2.5	
20	256QAM	1	1	18.13	18.25	18.13	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	834.5	841.5			
15	QPSK	1	1	22.45	22.53	22.42	24.0	0.0	
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	824			
10	QPSK	1	1	22.47	22.56	22.41	24.0	0.0	
Channel				165300	167300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.45	22.60	22.44	24.0	0.0	

n12 Ant4 SA 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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
16	Pi2 BPSK	1	1	22.17	22.22	22.09		
15	Pi2 BPSK	1	40	22.05	22.10	22.03	24.0	0.0
15	Pi2 BPSK	1	77	22.05	22.11	22.05		
15	Pi2 BPSK	36	0	21.54	21.63	21.53	23.5	0.5
16	Pi2 BPSK	36	22	22.04	22.11	22.06	24.0	0.0
15	Pi2 BPSK	36	43	21.61	21.65	21.60	23.5	0.5
15	Pi2 BPSK	75	0	21.62	21.67	21.52		
15	QPSK	1	1	22.26	22.31	22.24		
15	QPSK	1	40	22.08	22.14	22.07	24.0	0.0
15	QPSK	1	77	22.02	22.10	22.06		
15	QPSK	36	0	21.08	21.11	21.03	23.0	1.0
15	QPSK	36	22	22.11	22.26	22.17	24.0	0.0
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0
15	QPSK	75	0	21.22	21.26	21.23		
15	16QAM	1	1	21.23	21.31	21.16	23.0	1.0
15	64QAM	1	1	19.59	19.68	19.54	21.5	2.5
256QAM	1	1	1	17.84	17.85	17.80	19.5	4.5
Channel				141300	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.17	22.27	22.22	24.0	0.0
Channel				142000	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0

n25 Ant4 SA 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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pi2 BPSK	1	1	20.52	20.65	20.62		
40	Pi2 BPSK	1	108	21.04	21.24	21.07	22.5	0.0
40	Pi2 BPSK	1	214	20.55	20.71	20.53		
40	Pi2 BPSK	108	0	20.88	20.99	20.91	22.5	0.0
40	Pi2 BPSK	108	84	20.99	21.08	21.11	22.5	0.0
40	Pi2 BPSK	108	108	20.88	20.86	20.80	22.5	0.0
40	Pi2 BPSK	216	0	20.95	21.02	20.88		
40	QPSK	1	1	20.59	20.74	20.55		
40	QPSK	1	108	21.21	21.24	21.17	22.5	0.0
40	QPSK	1	214	20.55	20.67	20.59		
40	QPSK	108	0	20.81	20.82	20.78	22.5	0.0
40	QPSK	108	54	20.91	21.11	20.88	22.5	0.0
40	QPSK	108	108	20.76	20.86	20.79	22.5	0.0
40	QPSK	216	0	20.90	21.00	20.83	22.5	0.0
40	16QAM	1	1	20.54	20.62	20.52	22.5	0.0
40	64QAM	1	1	20.38	20.46	20.41	22.0	0.5
40	256QAM	1	1	18.79	18.92	18.83	21.0	1.5
Channel				372000	376500	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1890		
30	QPSK	1	1	21.08	21.23	21.02	22.5	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1892.5		
25	QPSK	1	1	21.06	21.24	21.13	22.5	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1900		
20	QPSK	1	1	21.09	21.30	21.08	22.5	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.09	21.20	21.03	22.5	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.09	21.21	21.12	22.5	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.06	21.29	21.07	22.5	0.0

n26 Ant4 SA 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				166800	166900	167800		
Frequency (MHz)				824	831.5	839		
20	Pi2 BPSK	1	1	22.30	22.39	22.29		
20	Pi2 BPSK	1	53	22.26	22.32	22.20	24.0	0.0
20	Pi2 BPSK	1	104	22.22	22.25	22.15		
20	Pi2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5
20	Pi2 BPSK	50	76	22.18	22.22	22.15	24.0	0.0
20	Pi2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5
20	Pi2 BPSK	100	0	21.78	21.86	21.79		
20	QPSK	1	1	22.42	22.45	22.39		
20	QPSK	1	53	22.22	22.33	22.25	24.0	0.0
20	QPSK	1	104	22.15	22.23	22.11		
20	QPSK	50	0	21.12	21.22	21.07	23.0	1.0
20	QPSK	50	28	22.23	22.28	22.27	24.0	0.0
20	QPSK	50	56	21.28	21.37	21.27	23.0	1.0
20	QPSK	100	0	21.35	21.46	21.41		
20	16QAM	1	1	21.44	21.50	21.43	23.0	1.0
20	64QAM	1	1	19.72	19.85	19.77	21.5	2.5
20	256QAM	1	1	18.01	18.10	18.05	19.5	4.5
Channel				166300	166900	167300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.30	22.36	22.34	#REF!	0.0
Channel				163800	166900	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	22.39	22.41	22.31	#REF!	0.0
Channel				163300	166900	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	845.5		
5	QPSK	1	1	22.35	22.51	22.54	#REF!	0.0

n66 Ant4 SA 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				346000	349000	352000		
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	18.19	18.22	18.14		
40	PI2 BPSK	1	108	19.11	19.18	19.09	20.0	0.0
40	PI2 BPSK	1	214	18.07	18.16	18.03		
40	PI2 BPSK	108	0	18.50	18.59	18.54	20.0	0.0
40	PI2 BPSK	108	54	18.91	18.97	18.90	20.0	0.0
40	PI2 BPSK	108	108	18.42	18.54	18.41	20.0	0.0
40	PI2 BPSK	216	0	18.45	18.56	18.50	20.0	0.0
40	QPSK	1	1	18.11	18.28	18.23		
40	QPSK	1	108	19.15	19.24	19.07	20.0	0.0
40	QPSK	1	214	18.03	18.12	18.01		
40	QPSK	108	0	18.40	18.51	18.45	20.0	0.0
40	QPSK	108	54	18.83	18.88	18.79	20.0	0.0
40	QPSK	108	108	18.47	18.53	18.40	20.0	0.0
40	QPSK	216	0	18.52	18.57	18.51	20.0	0.0
40	16QAM	1	1	18.12	18.16	18.09	20.0	0.0
40	64QAM	1	1	18.07	18.11	18.05	20.0	0.0
40	256QAM	1	1	18.53	18.57	18.48	20.0	0.0
Channel				350000	350000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.10	19.16	18.94	20.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.05	19.11	18.95	20.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.08	19.13	19.02	20.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.01	19.17	18.99	20.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.01	19.10	18.94	20.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.10	19.20	19.02	20.0	0.0

n71 Ant4 SA 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.49	22.53	22.40		
20	PI2 BPSK	1	53	22.37	22.40	22.30	24.0	0.0
20	PI2 BPSK	1	104	22.23	22.37	22.29		
20	PI2 BPSK	50	0	21.88	21.98	21.93	23.5	0.5
20	PI2 BPSK	50	28	22.20	22.33	22.26	24.0	0.0
20	PI2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5
20	PI2 BPSK	100	0	21.81	21.95	21.82		
20	QPSK	1	1	22.51	22.55	22.47		
20	QPSK	1	53	22.36	22.47	22.42	24.0	0.0
20	QPSK	1	104	22.34	22.29	22.25		
20	QPSK	50	0	21.30	21.34	21.23	23.0	1.0
20	QPSK	50	28	22.35	22.43	22.39	24.0	0.0
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0
20	QPSK	100	0	21.42	21.49	21.45		
20	16QAM	1	1	21.50	21.62	21.54	23.0	1.0
20	64QAM	1	1	19.98	20.02	19.95	21.5	2.5
20	256QAM	1	1	18.14	18.20	18.06	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5 <th></th> <th></th>		
5	QPSK	1	1	22.38	22.45	22.35	24.0	0.0

n41 PC2&PC3 Ant4 SA 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				509202	518598	528000	16.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.16	14.20	14.09		
100	PI/2 BPSK	1	137	15.25	15.29	15.25	16.0	0.0
100	PI/2 BPSK	1	271	14.06	14.15	14.05		
100	PI/2 BPSK	135	0	14.83	14.89	14.75		
100	PI/2 BPSK	135	69	15.00	15.15	15.11	16.0	0.0
100	PI/2 BPSK	135	138	14.82	14.89	14.78		
100	PI/2 BPSK	270	0	14.82	14.95	14.85		
100	QPSK	1	1	14.19	14.27	14.24	16.0	0.0
100	QPSK	1	137	14.95	15.31	15.07		
100	QPSK	1	271	14.25	14.35	14.23		
100	QPSK	135	0	14.79	14.83	14.79	16.0	0.0
100	QPSK	135	69	14.93	15.07	14.96		
100	QPSK	135	138	14.84	14.93	14.84		
100	QPSK	270	0	14.93	14.98	14.86	16.0	0.0
100	16QAM	1	1	14.13	14.26	14.14		
100	64QAM	1	1	14.14	14.22	14.07		
100	256QAM	1	1	14.04	14.14	14.09	16.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.82	15.25	15.04	16.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.89	15.26	14.99	16.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.88	15.22	14.99	16.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.80	15.27	14.97	16.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.87	15.19	14.99	16.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.87	15.28	14.94	16.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.89	15.27	14.93	16.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.92	15.20	14.93	16.0	0.0
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	14.86	15.23	14.94	16.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	14.81	15.17	15.03	16.0	0.0



n2 Ant4 NSA DSI2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Med. Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37000	37600	37900				
Frequency (MHz)				1865	1880	1895				
30	Pi2 BPSK	1	1	17.02	17.05	16.97		18.5	0.0	
30	Pi2 BPSK	1	80	17.36	17.43	17.38				
30	Pi2 BPSK	1	158	16.96	17.05	16.94				
30	Pi2 BPSK	80	0	17.10	17.25	17.17	18.5	0.0	0.0	
30	Pi2 BPSK	80	40	17.15	17.37	17.17				
30	Pi2 BPSK	80	80	17.02	17.16	17.06	18.5			
30	Pi2 BPSK	160	0	17.19	17.27	17.24	18.5	0.0	0.0	
30	QPSK	1	1	16.92	17.04	17.02				
30	QPSK	1	80	17.44	17.47	17.41	18.5			
30	QPSK	1	158	16.95	17.05	16.98	18.5	0.0	0.0	
30	QPSK	80	0	17.28	17.31	17.19	18.5			
30	QPSK	80	40	17.19	17.34	17.22	18.5			
30	QPSK	80	80	17.09	17.12	17.03	18.5	0.0	0.0	
30	QPSK	160	0	17.24	17.26	17.10				
30	16QAM	1	1	16.88	16.93	16.78	18.5			
30	64QAM	1	1	16.79	16.87	16.79	18.5	0.0	0.0	
30	256QAM	1	1	17.26	17.40	17.21	18.5			
Channel				37000	37600	37900	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	16.85	16.99	16.98	18.5	0.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1890				
20	Pi2 BPSK	1	1	16.97	17.01	16.90		18.5	0.0	
20	Pi2 BPSK	1	53	17.31	17.36	17.31				
20	Pi2 BPSK	1	104	16.92	16.98	16.89	18.5			
20	Pi2 BPSK	50	0	17.04	17.18	17.13	18.5	0.0	0.0	
20	Pi2 BPSK	50	28	17.08	17.34	17.13				
20	Pi2 BPSK	50	56	16.98	17.13	17.00	18.5			
20	Pi2 BPSK	100	0	17.16	17.22	17.10	18.5	0.0	0.0	
20	QPSK	1	1	16.87	16.99	16.95				
20	QPSK	1	53	17.37	17.43	17.37	18.5			
20	QPSK	1	104	16.89	17.02	16.83	18.5	0.0	0.0	
20	QPSK	50	0	17.21	17.27	17.14	23.0			
20	QPSK	50	28	17.13	17.29	17.17	24.0			
20	QPSK	50	56	17.05	17.07	16.97	23.0	1.0	1.0	
20	QPSK	100	0	17.20	17.19	17.05				
20	16QAM	1	1	16.85	16.87	16.74	18.5			
20	64QAM	1	1	16.73	16.83	16.73	18.5	0.0	0.0	
20	256QAM	1	1	17.19	17.36	17.18	18.5			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1837.5	1880	1902.5				
15	QPSK	1	1				18.5	0.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1905				
10	QPSK	1	1	17.35	17.36	17.35	18.5	0.0	0.0	
Channel				370500	370500	370500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1907.5				
5	QPSK	1	1	17.41	17.40	17.33	18.5			

n5 Ant4 NSA DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tuneup limit (dBm)	MPR (dB)	
Channel				167000	167000	167000			
Frequency (MHz)				836.5					
25	Pi2 BPSK	1	1		16.80		20.5	0.0	
25	Pi2 BPSK	1	80		16.05				
25	Pi2 BPSK	1	158		16.93				
25	Pi2 BPSK	80	0		16.05		20.5	0.0	
25	Pi2 BPSK	80	40		16.09		20.5	0.0	
25	Pi2 BPSK	80	80		16.10		20.5	0.0	
25	Pi2 BPSK	160	0		16.16		20.5	0.0	
25	QPSK	1	1		16.17				
25	QPSK	1	80		16.16		20.5	0.0	
25	QPSK	1	158		16.87		20.5	0.0	
25	QPSK	80	0		16.15		20.5	0.0	
25	QPSK	80	40		16.02		20.5	0.0	
25	QPSK	80	80		16.99		20.5	0.0	
25	QPSK	160	0		16.08		20.5	0.0	
25	16QAM	1	1		16.67		20.5	0.0	
25	64QAM	1	1		16.57		20.5	0.0	
25	256QAM	1	1		16.31		19.5	1.0	
Channel				166800	167000	167000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	836			
20	Pi2 BPSK	1	1	16.62	16.77	16.62		20.5	0.0
20	Pi2 BPSK	1	53	16.93	16.99	16.91			
20	Pi2 BPSK	1	104	16.93	16.87	16.79	18.5		
20	Pi2 BPSK	50	0	16.99	16.99	16.99	20.5	0.0	
20	Pi2 BPSK	50	28	16.93	16.94	16.90	20.5	0.0	
20	Pi2 BPSK	50	56	16.01	16.05	16.01	20.5	0.0	
20	Pi2 BPSK	100	0	16.08	16.12	16.95		20.5	0.0
20	QPSK	1	1	16.92	16.12	16.93			
20	QPSK	1	53	16.10	16.11	16.98	20.5		
20	QPSK	1	104	16.71	16.83	16.76		23.0	1.0
20	QPSK	50	0	16.02	16.11	16.02	23.0		
20	QPSK	50	28	16.96	16.96	16.93	24.0		
20	QPSK	50	56	16.95	16.93	16.83	23.0	1.0	
20	QPSK	100	0	16.97	16.01	16.84		23.0	1.0
20	16QAM	1	1	16.61	16.62	16.63	20.5		
20	64QAM	1	1	16.49	16.53	16.48	20.5		
20	256QAM	1	1	16.17	16.27	16.10	19.5	1.0	
Channel				166300	167000	168000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5 <th>836.5<th>841.5<th></th><th colspan="2"></th></th></th>	836.5 <th>841.5<th></th><th colspan="2"></th></th>	841.5 <th></th> <th colspan="2"></th>			
15	QPSK	1	1	16.84	16.07	16.91	20.5	0.0	
Channel				166800	167000	168800	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				829 <th>836.5<th>844<th></th><th colspan="2"></th></th></th>	836.5 <th>844<th></th><th colspan="2"></th></th>	844 <th></th> <th colspan="2"></th>			
10	QPSK	1	1	16.92	16.05	16.85	20.5	0.0	
Channel				166300	167000	168000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5 <th>836.5<th>846.5<th></th><th colspan="2"></th></th></th>	836.5 <th>846.5<th></th><th colspan="2"></th></th>	846.5 <th></th> <th colspan="2"></th>			
5	QPSK	1	1	16.88	16.10	16.90	20.5	0.0	

n7 Ant4 NSA DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	Pi2 BPSK	1	1	15.32	15.40	15.33	16.5	0.0	0.0
50	Pi2 BPSK	1	135	15.70	15.83	15.76			
50	Pi2 BPSK	1	268	15.50	15.57	15.46			
50	Pi2 BPSK	135	0	15.49	15.60	15.54	16.5	0.0	0.0
50	Pi2 BPSK	135	66	15.71	15.83	15.60	16.5	0.0	0.0
50	Pi2 BPSK	135	135	15.69	15.73	15.63	16.5	0.0	0.0
50	Pi2 BPSK	270	0	15.69	15.81	15.71	16.5	0.0	0.0
50	QPSK	1	1	15.62	15.66	15.76	16.5	0.0	0.0
50	QPSK	1	135	15.63	15.64	15.55			
50	QPSK	1	268	15.56	15.69	15.48			
50	QPSK	135	0	15.49	15.57	15.58	16.5	0.0	0.0
50	QPSK	135	66	15.77	15.83	15.73	16.5	0.0	0.0
50	QPSK	135	135	15.64	15.71	15.67	16.5	0.0	0.0
50	QPSK	270	0	15.76	15.76	15.65	16.5	0.0	0.0
50	16QAM	1	1	15.17	15.27	15.29	16.5	0.0	0.0
50	64QAM	1	1	15.07	15.25	15.19	16.5	0.0	0.0
50	256QAM	1	1	15.08	15.13	15.16	16.5	0.0	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	15.70	15.80	15.63	16.5	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	15.68	15.72	15.73	16.5	0.0	0.0
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	15.71	15.81	15.65	16.5	0.0	0.0
Channel				501000	507000	512200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	Pi2 BPSK	1	1	15.68	15.79	15.70	16.5	0.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2562.5			
15	QPSK	1	1	15.68	15.82	15.66	16.5	0.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2565			
10	QPSK	1	1	15.78	15.76	15.65	16.5	0.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2567.5			
5	QPSK	1	1	15.74	15.80	15.64	16.5	0.0	0.0

n12 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				141300	141600	141700				
Frequency (MHz)				706.5	707.5	708.5				
15	PI2 BPSK	1	1	22.17	22.22	22.09		24.0	0.0	
15	PI2 BPSK	1	43	22.05	22.10	22.03				
15	PI2 BPSK	1	77	22.05	22.11	22.05				
15	PI2 BPSK	36	0	21.54	21.63	21.53	23.5	0.5		
15	PI2 BPSK	36	22	22.04	22.11	22.06	24.0	0.0		
15	PI2 BPSK	36	43	21.61	21.65	21.60	23.5	0.5		
15	PI2 BPSK	75	0	21.62	21.67	21.52				
15	QPSK	1	1	22.26	22.31	22.24		24.0	0.0	
15	QPSK	1	43	22.08	22.14	22.07				
15	QPSK	1	77	22.02	22.10	22.06				
15	QPSK	36	0	21.06	21.11	21.03	23.0	1.0		
15	QPSK	36	22	22.11	22.26	22.17	24.0	0.0		
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0		
15	QPSK	75	0	21.22	21.26	21.23				
15	16QAM	1	1	21.23	21.31	21.16	23.0	1.0		
15	64QAM	1	1	19.59	19.68	19.54	21.5	2.5		
15	256QAM	1	1	17.24	17.66	17.50	19.5	4.5		
Channel				143500	143700	143700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711				
Channel				140300	141600	142700	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0		

n25 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				374000	376500	379000				
Frequency (MHz)				1870	1882.5	1895				
40	PI2 BPSK	1	1	16.55	16.68	16.65		18.5	0.0	
40	PI2 BPSK	1	106	17.29	17.36	17.25				
40	PI2 BPSK	1	214	16.63	16.68	16.53				
40	PI2 BPSK	108	0	16.97	17.07	16.94	18.5	0.0		
40	PI2 BPSK	108	54	17.13	17.23	17.12	18.5	0.0		
40	PI2 BPSK	108	106	16.94	17.12	17.06	18.5	0.0		
40	PI2 BPSK	216	0	17.12	17.12	17.06				
40	QPSK	1	1	16.57	16.62	16.59		18.5	0.0	
40	QPSK	1	106	17.31	17.44	17.25				
40	QPSK	1	214	16.60	16.53	16.55				
40	QPSK	108	0	16.97	17.08	16.94	18.5	0.0		
40	QPSK	108	54	17.15	17.26	17.08	18.5	0.0		
40	QPSK	108	106	17.06	17.09	16.99	18.5	0.0		
40	QPSK	216	0	17.10	17.13	17.00				
40	16QAM	1	1	16.61	16.69	16.63	18.5	0.0		
40	64QAM	1	1	16.52	16.56	16.58	18.5	0.0		
40	256QAM	1	1	16.62	16.62	16.75	18.5	0.0		
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1882.5	1900				
30	QPSK	1	1	17.26	17.38	17.18	18.5	0.0		
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1902.5				
25	QPSK	1	1	17.18	17.32	17.17	18.5	0.0		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1902.5				
20	QPSK	1	1	16.9	16.92.5	17.0				
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860.5	1882.5	1907.5				
15	QPSK	1	1	17.23	17.41	17.21	18.5	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860.5	1882.5	1912.5				
10	QPSK	1	1	17.19	17.40	17.14	18.5	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860.5	1882.5	1912.5				
5	QPSK	1	1	17.26	17.35	17.14	18.5	0.0		

n26 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				166800	166300	166700				
Frequency (MHz)				824	831.5	839				
20	PI2 BPSK	1	1	22.32	22.39	22.29		24.0	0.0	
20	PI2 BPSK	1	53	22.26	22.32	22.20				
20	PI2 BPSK	1	104	22.22	22.25	22.15				
20	PI2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5		
20	PI2 BPSK	50	28	22.18	22.22	22.15	24.0	0.0		
20	PI2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5		
20	PI2 BPSK	100	0	21.78	21.86	21.79				
20	QPSK	1	1	22.42	22.45	22.39		24.0	0.0	
20	QPSK	1	53	22.22	22.33	22.25				
20	QPSK	1	104	22.15	22.23	22.11				
20	QPSK	50	0	21.12	21.22	21.07	23.0	1.0		
20	QPSK	50	28	22.23	22.28	22.27	24.0	0.0		
20	QPSK	50	56	21.28	21.37	21.27	23.0	1.0		
20	QPSK	100	0	21.39	21.46	21.41				
20	16QAM	1	1	21.44	21.50	21.43	23.0	1.0		
20	64QAM	1	1	19.72	19.85	19.77	21.5	2.5		
20	256QAM	1	1	18.01	18.10	18.05	19.5	4.5		
Channel				164800	166300	166800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.30	22.36	22.34	#REF!	0.0		
Channel				163800	166300	166800	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	22.39	22.41	22.31	#REF!	0.0		
Channel				163300	166300	166900	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	22.38	22.31	22.24	#REF!	0.0		



n30 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				2310					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	19.29			21.0	0.0	
10	PI2 BPSK	1	28	19.35					
10	PI2 BPSK	1	50	19.28					
10	PI2 BPSK	25	0	19.37			21.0	0.0	
10	PI2 BPSK	25	14	19.35			21.0	0.0	
10	PI2 BPSK	25	27	19.33			21.0	0.0	
10	PI2 BPSK	50	0	19.40					
10	QPSK	1	1	19.45					
10	QPSK	1	28	19.36			21.0	0.0	
10	QPSK	1	50	19.23					
10	QPSK	25	0	19.35			21.0	0.0	
10	QPSK	25	14	19.41			21.0	0.0	
10	QPSK	25	27	19.25			21.0	0.0	
10	QPSK	50	0	19.35					
10	16QAM	1	1	19.33			21.0	0.0	
10	64QAM	1	1	19.20			21.0	0.0	
10	256QAM	1	1	18.13			19.5	1.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	
5	QPSK	1	1	19.33	19.40	19.38	21.0	0.0	

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				346000		346000			
Frequency (MHz)				1720		1745			
40	PI2 BPSK	1	1	16.08	16.24	16.08	18.0	0.0	
40	PI2 BPSK	1	108	16.97	17.10	16.97			
40	PI2 BPSK	1	214	16.09	16.13	16.08			
40	PI2 BPSK	108	0	16.24	16.50	16.41	18.0	0.0	
40	PI2 BPSK	108	54	16.73	16.87	16.75	18.0	0.0	
40	PI2 BPSK	108	108	16.26	16.44	16.33	18.0	0.0	
40	PI2 BPSK	216	0	16.41	16.47	16.43			
40	QPSK	1	1	16.10	16.26	16.23			
40	QPSK	1	108	17.09	17.12	17.09	18.0	0.0	
40	QPSK	1	214	16.02	16.05	16.04			
40	QPSK	108	0	16.38	16.47	16.34	18.0	0.0	
40	QPSK	108	54	16.73	16.88	16.72	18.0	0.0	
40	QPSK	108	108	16.35	16.45	16.36	18.0	0.0	
40	QPSK	216	0	16.43	16.53	16.37			
40	16QAM	1	1	16.12	16.26	16.12	18.0	0.0	
40	64QAM	1	1	16.01	16.18	16.05	18.0	0.0	
40	256QAM	1	1	16.12	16.11	16.05	18.0	0.0	
Channel				345500	345500	345500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	17.06	16.98	16.90	18.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)		
25	QPSK	1	1	16.96	17.08	16.95	18.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	(dBm)		
20	QPSK	1	1	17.05	17.03	16.98	18.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)		
15	QPSK	1	1	16.95	17.00	16.97	18.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	(dBm)		
10	QPSK	1	1	16.99	17.05	16.98	18.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)		
5	QPSK	1	1	17.03	17.01	16.93	18.0	0.0	

n71 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				136000		136100			
Frequency (MHz)				670		680.5			
20	PI2 BPSK	1	1	22.49	22.53	22.40	24.0	0.0	
20	PI2 BPSK	1	53	22.37	22.40	22.30			
20	PI2 BPSK	1	104	22.23	22.37	22.29			
20	PI2 BPSK	50	0	21.88	21.98	21.93	23.5	0.5	
20	PI2 BPSK	50	28	22.20	22.33	22.26	24.0	0.0	
20	PI2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5	
20	PI2 BPSK	100	0	21.81	21.95	21.82	24.0	0.0	
20	QPSK	1	1	22.51	22.55	22.47			
20	QPSK	1	53	22.36	22.47	22.42			
20	QPSK	1	104	22.24	22.29	22.25	23.0	1.0	
20	QPSK	50	0	21.30	21.34	21.23			
20	QPSK	50	28	22.35	22.43	22.39			
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0	
20	QPSK	100	0	21.42	21.45	21.45	23.0	1.0	
20	16QAM	1	1	21.50	21.62	21.54	23.0	1.0	
20	64QAM	1	1	19.96	20.02	19.95	21.5	2.5	
20	256QAM	1	1	18.14	18.20	18.06	19.5	4.5	
Channel				136100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)	
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0	
Channel				136000	136100	136000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	(dBm)		
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0	
Channel				136100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669.5	681.5	693.5	(dBm)		
5	QPSK	1	1	22.38	22.45	22.35	24.0	0.0	

n48 Ant5 SA 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				640000	641666	643332		
Frequency [MHz]				3600	3624.99	3649.98		
100	PI2 BPSK	1	1	17.63	17.69	17.77	19.0	0.0
100	PI2 BPSK	1	137	18.43	18.62	18.49		
100	PI2 BPSK	1	271	17.60	17.72	17.63		
100	PI2 BPSK	135	0	18.22	18.36	18.17	19.0	0.0
100	PI2 BPSK	135	69	18.43	18.52	18.55	19.0	0.0
100	PI2 BPSK	135	138	18.27	18.29	18.28	19.0	0.0
100	PI2 BPSK	270	0	18.30	18.39	18.29		
100	QPSK	1	1	17.76	17.90	17.88	19.0	0.0
100	QPSK	1	137	18.52	18.65	18.40		
100	QPSK	1	271	17.65	17.72	17.70		
100	QPSK	135	0	18.27	18.39	18.33	19.0	0.0
100	QPSK	135	69	18.40	18.54	18.46	19.0	0.0
100	QPSK	135	138	18.53	18.37	18.41	19.0	0.0
100	QPSK	270	0	18.30	18.41	18.38		
100	16QAM	1	1	17.77	17.73	17.63	19.0	0.0
100	64QAM	1	1	17.65	17.69	17.55	19.0	0.0
100	256QAM	1	1	18.20	18.24	18.23	19.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3566.02	3624.99	3684.99		
90	QPSK	1	1	18.46	18.56	18.32	19.0	0.0
Channel				638334	641666	644000	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3560.01	3624.99	3660		
80	QPSK	1	1	18.42	18.63	18.31	19.0	0.0
Channel				638668	641666	644666	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3580.02	3624.99	3699.99		
60	QPSK	1	1	18.49	18.54	18.29	19.0	0.0
Channel				638334	641666	645000	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3575.01	3624.99	3675		
50	QPSK	1	1	18.38	18.60	18.28	19.0	0.0
Channel				638000	641666	645332	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3570	3624.99	3679.98		
40	QPSK	1	1	18.40	18.55	18.30	19.0	0.0
Channel				638334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3560.01	3624.99	3690		
20	QPSK	1	1	18.43	18.61	18.28	19.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3557.52	3624.99	3692.48		
15	QPSK	1	1	18.42	18.58	18.39	19.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency [MHz]				3555	3624.99	3694.98		
10	QPSK	1	1	18.39	18.62	18.33	19.0	0.0

Part270 n77 PC2&PC3 Ant5 SA DSI2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Ch. Freq.	Power Middle Ch. Ch. Freq.	Power High Ch. Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2750	3840	3930			
Frequency (MHz)									
100	Pi2 BPSK	1	1	17.00	17.12	16.99		18.0	0.0
100	Pi2 BPSK	1	137	16.32	16.45	16.39			
100	Pi2 BPSK	1	271	16.28	16.41	16.28			
100	Pi2 BPSK	135	0	16.86	16.98	16.85	18.0	0.0	
100	Pi2 BPSK	135	69	17.02	17.13	17.06	18.0	0.0	
100	Pi2 BPSK	135	138	16.95	16.99	16.89	18.0	0.0	
100	Pi2 BPSK	270	0	16.95	17.02	16.98		18.0	0.0
100	QPSK	1	1	16.48	16.52	16.41			
100	QPSK	1	137	17.09	17.18	17.13			
100	QPSK	1	271	16.37	16.44	16.36	18.0	0.0	
100	QPSK	135	0	16.93	17.01	16.98	18.0	0.0	
100	QPSK	135	69	16.97	17.08	17.03	18.0	0.0	
100	QPSK	135	138	16.89	16.91	16.79	18.0	0.0	
100	QPSK	270	0	16.86	16.96	16.91		18.0	0.0
100	16QAM	1	1	16.23	16.27	16.21	18.0		
100	64QAM	1	1	16.11	16.15	16.09	18.0		
100	256QAM	1	1	16.63	16.75	16.66	18.0	0.0	
Channel				646968	656000	662034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.05	17.05	17.12	18.0	0.0	
Channel				649334	656000	662068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.01	3840	3940.02			
80	QPSK	1	1	17.14	17.12	17.11	18.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	17.03	17.10	17.12	18.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.11	17.04	17.12	18.0	0.0	
Channel				647334	655000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.11	17.08	17.05	18.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.14	17.03	17.05	18.0	0.0	
Channel				647334	656000	664868	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.03	17.07	17.14	18.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3697.52	3840	3972.51			
15	QPSK	1	1	17.10	17.09	17.14	18.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.07	17.10	17.04	18.0	0.0	

Part27Q n77 PC2&PC3 Ant5 SA 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					3500.01				
Frequency (MHz)									
100	Pi2 BPSK	1	1		17.16			18.0	0.0
100	Pi2 BPSK	1	137		16.16				
100	Pi2 BPSK	1	271		16.53				
100	Pi2 BPSK	135	0		17.03			18.0	0.0
100	Pi2 BPSK	135	69		17.14			18.0	0.0
100	Pi2 BPSK	135	138		16.99			18.0	0.0
100	Pi2 BPSK	270	0		17.06			18.0	0.0
100	QPSK	1	1		16.21				
100	QPSK	1	137		17.28				
100	QPSK	1	271		16.55			18.0	0.0
100	QPSK	135	0		17.08			18.0	0.0
100	QPSK	135	69		17.20			18.0	0.0
100	QPSK	135	138		17.99			18.0	0.0
100	QPSK	270	0		17.17			18.0	0.0
100	16QAM	1	1		16.08			18.0	0.0
100	64QAM	1	1		16.03			18.0	0.0
100	256QAM	1	1		16.64			18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.16	17.17	17.15	18.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
80	QPSK	1	1	17.11	17.19	17.14	18.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
70	QPSK	1	1	17.10	17.14	17.12	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.14	17.16	17.20	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.03			
50	QPSK	1	1	17.12	17.11	17.15	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	1	17.14	17.13	17.15	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540.03			
20	QPSK	1	1	17.15	17.20	17.14	18.0	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.15	17.17	17.16	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	1	17.21	17.22	17.15	18.0	0.0	

Part270 n78 PC3 Ant5 SA DSI2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	MPR (dB)
Channel				3750	3750	3750	
Frequency (MHz)							
100	Pi2 BPSK	1	1	17.18			
100	Pi2 BPSK	1	137	16.45			18.0
100	Pi2 BPSK	1	271	16.61			0.0
100	Pi2 BPSK	135	0	16.78			18.0
100	Pi2 BPSK	135	69	17.16			18.0
100	Pi2 BPSK	135	138	17.03			0.0
100	Pi2 BPSK	270	0	17.07			18.0
100	QPSK	1	1	16.52			
100	QPSK	1	137	17.24			18.0
100	QPSK	1	271	16.89			0.0
100	QPSK	135	0	16.85			18.0
100	QPSK	135	69	17.23			18.0
100	QPSK	135	138	17.04			0.0
100	QPSK	270	0	17.11			0.0
100	16QAM	1	1	16.15			18.0
100	64QAM	1	1	16.09			18.0
100	256QAM	1	1	16.07			18.0
Channel				646668	650000	650334	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	QPSK	1	1	17.16	17.19	17.11	18.0
Channel				646334	650000	650668	Tune-up limit (dBm)
80	QPSK	1	1	17.16	17.16	17.12	18.0
Channel				646000	650000	651000	Tune-up limit (dBm)
70	QPSK	1	1	17.18	17.10	17.13	18.0
Channel				646668	650000	651334	Tune-up limit (dBm)
60	QPSK	1	1	17.13	17.12	17.14	18.0
Channel				646334	650000	651000	Tune-up limit (dBm)
50	QPSK	1	1	17.12	17.19	17.20	18.0
Channel				646000	650000	652000	Tune-up limit (dBm)
40	QPSK	1	1	17.20	17.10	17.18	18.0
Channel				647668	650000	652334	Tune-up limit (dBm)
30	QPSK	1	1	17.15	17.17	17.11	18.0
Channel				647334	650000	652668	Tune-up limit (dBm)
20	QPSK	1	1	17.10 <td>17.16<td>17.20<td>18.0</td></td></td>	17.16 <td>17.20<td>18.0</td></td>	17.20 <td>18.0</td>	18.0
Channel				647000	650000	652934	Tune-up limit (dBm)
15	QPSK	1	1	17.12	17.21	17.14	18.0
Channel				647000	650000	653000	Tune-up limit (dBm)
10	QPSK	1	1	17.19	17.19	17.16	18.0

Part27Q n78 PC3 Ant5 SA 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)								
100	Pi2 BPSK	1	1	17.12				
100	Pi2 BPSK	1	137	16.62			18.0	0.0
100	Pi2 BPSK	1	271	16.93				
100	Pi2 BPSK	135	0	16.85			18.0	0.0
100	Pi2 BPSK	135	69	17.13			18.0	0.0
100	Pi2 BPSK	135	138	17.04			18.0	0.0
100	Pi2 BPSK	270	0	17.10			18.0	0.0
100	QPSK	1	1	16.76				
100	QPSK	1	137	17.18			18.0	0.0
100	QPSK	1	271	16.95				
100	QPSK	135	0	16.92			18.0	0.0
100	QPSK	135	69	17.11			18.0	0.0
100	QPSK	135	138	17.08			18.0	0.0
100	QPSK	270	0	17.15			18.0	0.0
100	16QAM	1	1	16.33			18.0	0.0
100	64QAM	1	1	16.28			18.0	0.0
100	256QAM	1	1	16.60			18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	17.07	17.14	17.12	18.0	0.0
Channel				632668	633334	3540.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	17.03	17.05	17.05	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	17.04	17.08	17.05	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	17.12	17.04	17.12	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	17.06	17.11	17.06	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	17.04	17.08	17.10	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.09	17.10	17.10	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.05	17.15	17.06	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.13	17.08	17.04	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.04	17.12	17.10	18.0	0.0

Part270 n77 PC2&PC3 Ant5 NSA DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Media Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)									
100	Pi2 BPSK		1	12.34	12.51	12.37			
100	Pi2 BPSK	1	137	13.02	13.15	12.97	14.0	0.0	
100	Pi2 BPSK	1	271	12.24	12.45	12.35			
100	Pi2 BPSK	135	0	12.87	13.05	12.86	14.0	0.0	
100	Pi2 BPSK	135	69	13.08	13.14	13.01			
100	Pi2 BPSK	135	138	12.97	12.97	12.92			
100	Pi2 BPSK	270	0	12.81	13.07	12.99	14.0	0.0	
100	QPSK	1	1	12.48	12.51	12.48			
100	QPSK	1	137	13.16	13.20	13.11			
100	QPSK	1	271	12.33	12.45	12.38	14.0	0.0	
100	QPSK	135	0	13.00	12.98	12.93	14.0	0.0	
100	QPSK	135	69	12.93	13.06	12.98	14.0	0.0	
100	QPSK	135	138	12.83	12.86	12.82			
100	QPSK	270	0	12.85	12.99	12.92	14.0	0.0	
100	16QAM	1	1	12.30	12.30	12.21	14.0	0.0	
100	64QAM	1	1	12.11	12.20	12.06	14.0	0.0	
100	256QAM	1	1	12.69	12.71	12.72	14.0	0.0	
Channel				649000	656000	662000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	13.06	13.14	13.03	14.0	0.0	
Channel				649000	656000	662000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3745.01	3840	3940.02			
80	QPSK	1	1	13.03	13.11	13.05	14.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	13.05	13.15	13.05	14.0	0.0	
Channel				648868	656000	663334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.05	13.09	13.04	14.0	0.0	
Channel				647314	655000	663000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.06	13.07	13.06	14.0	0.0	
Channel				648000	655000	664000	Tune-up limit (dB)	MPR	
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1	13.12	13.12	13.02	14.0	0.0	
Channel				647334	656000	664868	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	13.03	13.08	13.08	14.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3670.52	3840	3972.51			
15	QPSK	1	1	13.13	13.13	13.03	14.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	13.06	13.06	13.04	14.0	0.0	

Part27Q n77 PC2&PC3 Ant5 NSA DSI2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Media Ch. / Freq. 633334	Power High Ch. / Freq. 633534	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)									
100	Pi2 BPSK	1	1		13.14				
100	Pi2 BPSK	1	137		13.22		14.0	0.0	
100	Pi2 BPSK	1	271		12.49				
100	Pi2 BPSK	135	0		13.03		14.0	0.0	
100	Pi2 BPSK	135	69		13.09				
100	Pi2 BPSK	135	138		12.95		14.0	0.0	
100	Pi2 BPSK	270	0		13.01				
100	QPSK	1	1		12.49				
100	QPSK	1	137		13.31		14.0	0.0	
100	QPSK	1	271		12.51				
100	QPSK	135	0		13.14		14.0	0.0	
100	QPSK	135	69		13.17		14.0	0.0	
100	QPSK	135	138		13.05		14.0	0.0	
100	QPSK	270	0		13.05				
100	16QAM	1	1		12.08		14.0	0.0	
100	64QAM	1	1		12.05		14.0	0.0	
100	256QAM	1	1		12.64		14.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	13.21	13.24	13.23	14.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
80	QPSK	1	1	13.21	13.19	13.28	14.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	13.24	13.25	13.27	14.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	13.20	13.20	13.16	14.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.26	13.25	13.22	14.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	13.26	13.27	13.20	14.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.26	13.25	13.17	14.0	0.0	
Channel				630200	633334	636168	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	13.21	13.18	13.19	14.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	13.19	13.18	13.26	14.0	0.0	

Part270 n78 PC3 Ant5 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		12.53		14.0	0.0	
100	Pi2 BPSK	1	137		13.16				
100	Pi2 BPSK	1	271		12.65				
100	Pi2 BPSK	135	0		12.74		14.0	0.0	
100	Pi2 BPSK	135	69		13.18		14.0	0.0	
100	Pi2 BPSK	135	135		12.96		14.0	0.0	
100	Pi2 BPSK	270	0		13.11		14.0	0.0	
100	QPSK	1	1		12.58				
100	QPSK	1	137		13.24				
100	QPSK	1	271		12.71		14.0	0.0	
100	QPSK	135	0		12.85				
100	QPSK	135	69		13.22		14.0	0.0	
100	QPSK	135	135		13.02		14.0	0.0	
100	QPSK	270	0		13.03		14.0	0.0	
100	16QAM	1	1		12.20		14.0	0.0	
100	64QAM	1	1		12.12		14.0	0.0	
100	256QAM	1	1		12.62		14.0	0.0	
Channel				649968	650000	650034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		13.18	13.21	13.14	14.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		13.12	13.14	13.17	14.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		13.11	13.19	13.19	14.0	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.21	13.12	13.20	14.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.11	13.16	13.13	14.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.17	13.19	13.15	14.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.10	13.12	13.10	14.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.21	13.11	13.13	14.0	0.0
Channel				647000	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
15	QPSK	1	1		13.15	13.15	13.10	14.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		13.09	13.13	13.16	14.0	0.0

Part270Q n78 PC3 Ant5 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				653000	653334	653334			
Frequency (MHz)				3300.01					
100	Pi2 BPSK	1	1		13.11		14.0	0.0	
100	Pi2 BPSK	1	137		13.33				
100	Pi2 BPSK	1	271		13.14				
100	Pi2 BPSK	135	0		13.02		14.0	0.0	
100	Pi2 BPSK	135	69		13.35		14.0	0.0	
100	Pi2 BPSK	135	135		13.29		14.0	0.0	
100	Pi2 BPSK	270	0		13.26		14.0	0.0	
100	QPSK	1	1		13.05				
100	QPSK	1	137		13.40				
100	QPSK	1	271		13.13		14.0	0.0	
100	QPSK	135	0		13.14				
100	QPSK	135	69		13.27		14.0	0.0	
100	QPSK	135	135		13.24		14.0	0.0	
100	QPSK	270	0		13.25		14.0	0.0	
100	16QAM	1	1		12.84		14.0	0.0	
100	64QAM	1	1		12.47		14.0	0.0	
100	256QAM	1	1		12.96		14.0	0.0	
Channel				653000	653334	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		13.30	13.31	13.35	14.0	0.0
Channel				652668	653334	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1		13.28	13.28	13.38	14.0	0.0
Channel				652334	653334	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		13.13	13.27	13.34	14.0	0.0
Channel				652000	653334	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		13.35	13.29	13.28	14.0	0.0
Channel				651668	653334	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.02			
50	QPSK	1	1		13.28	13.27	13.35	14.0	0.0
Channel				651334	653334	655334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3523.01			
40	QPSK	1	1		13.35	13.38	13.34	14.0	0.0
Channel				651000	653334	655668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		13.33	13.30	13.35	14.0	0.0
Channel				650668	653334	656000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		13.35	13.31	13.37	14.0	0.0
Channel				650334	653334	656368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3542.92			
15	QPSK	1	1		13.33	13.33	13.31	14.0	0.0
Channel				650334	653334	656334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.01			
10	QPSK	1	1		13.29	13.35	13.29	14.0	0.0

n41 PC2&PC3 Ant6 SA 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				509202	518598	528000	18.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.73	16.81	16.64	18.5	0.0
100	PI/2 BPSK	1	137	17.42	17.41	17.34		
100	PI/2 BPSK	1	271	17.41	17.40	17.36		
100	PI/2 BPSK	135	0	16.71	16.73	16.72	18.5	0.0
100	PI/2 BPSK	135	69	17.39	17.40	17.37	18.5	0.0
100	PI/2 BPSK	135	138	17.39	17.40	17.33	18.5	0.0
100	PI/2 BPSK	270	0	17.32	17.37	17.30		
100	QPSK	1	1	16.70	16.77	16.68	18.5	0.0
100	QPSK	1	137	17.42	17.47	17.28		
100	QPSK	1	271	17.37	17.36	17.37		
100	QPSK	135	0	16.67	16.74	16.69	18.5	0.0
100	QPSK	135	69	17.34	17.45	17.34	18.5	0.0
100	QPSK	135	138	17.36	17.38	17.30	18.5	0.0
100	QPSK	270	0	17.33	17.36	17.25		
100	16QAM	1	1	16.73	16.81	16.66	18.5	0.0
100	64QAM	1	1	16.66	16.77	16.59	18.5	0.0
100	256QAM	1	1	16.63	16.78	16.65	18.5	0.0
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	17.32	17.38	17.29	18.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	17.37	17.30	17.27	18.5	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	17.37	17.40	17.29	18.5	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	17.34	17.37	17.29	18.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	17.33	17.36	17.32	18.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	17.39	17.38	17.25	18.5	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	17.38	17.31	17.24	18.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	17.34	17.40	17.31	18.5	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	17.36	17.33	17.31	18.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	17.31	17.39	17.25	18.5	0.0



n2 Ant0 SA DSI7									
BW (MHz)	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)									
30	P12 BPSK	1	1	14.90	15.00	15.01			
30	P12 BPSK	1	80	15.19	15.22	15.18	16.5	0.0	
30	P12 BPSK	1	158	15.10	15.18	15.07			
30	P12 BPSK	80	0	14.95	15.05	15.01	16.5	0.0	
30	P12 BPSK	80	40	15.17	15.20	15.08	16.5	0.0	
30	P12 BPSK	80	80	15.01	15.08	15.00	16.5	0.0	
30	P12 BPSK	160	0	14.96	15.11	14.98			
30	QPSK	1	1	15.03	15.07	14.98			
30	QPSK	1	80	15.21	15.26	15.16	16.5	0.0	
30	QPSK	1	158	15.10	15.14	15.09			
30	QPSK	80	0	15.06	15.13	15.01	16.5	0.0	
30	QPSK	80	40	15.10	15.17	15.06	16.5	0.0	
30	QPSK	80	80	14.96	15.03	14.90	16.5	0.0	
30	QPSK	160	0	15.05	15.14	15.05			
30	16QAM	1	1	14.88	14.95	14.91	16.5	0.0	
30	64QAM	1	1	14.71	14.86	14.81	16.5	0.0	
30	256QAM	1	1	14.94	15.08	15.00	16.5	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	14.97	15.03	14.91	16.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	14.83	15.00	14.97			
20	P12 BPSK	1	53	15.14	15.19	15.15	16.5	0.0	
20	P12 BPSK	1	104	15.05	15.14	15.01			
20	P12 BPSK	50	0	14.89	15.03	14.95	16.5	0.0	
20	P12 BPSK	50	28	15.13	15.13	15.03	16.5	0.0	
20	P12 BPSK	50	56	14.95	15.02	14.95	16.5	0.0	
20	P12 BPSK	100	0	14.90	15.08	14.92			
20	QPSK	1	1	14.99	15.01	14.92			
20	QPSK	1	53	15.18	15.20	15.10	16.5	0.0	
20	QPSK	1	104	15.04	15.10	15.05			
20	QPSK	50	0	15.03	15.06	14.95	23.0	1.0	
20	QPSK	50	28	15.07	15.10	14.99	24.0	0.0	
20	QPSK	50	56	14.91	14.96	14.83	23.0	1.0	
20	QPSK	100	0	15.03	15.11	15.01			
20	16QAM	1	1	14.81	14.90	14.87	16.5	0.0	
20	64QAM	1	1	14.67	14.80	14.76	16.5	0.0	
20	256QAM	1	1	14.87	15.03	14.94	16.5	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	15.16	15.20	15.13	16.5	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	15.13	15.22	15.03	16.5	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	15.11	15.19	15.11	16.5	0.0	

Reduced Power Mode for Hotspot on for 5GNR									
n5 Ant0 SA 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)									
25	P12 BPSK	1	1		22.52				
25	P12 BPSK	1	80		22.73		24.0	0.0	
25	P12 BPSK	1	158		22.69				
25	P12 BPSK	80	0		22.37		23.5	0.5	
25	P12 BPSK	80	40		22.76		24.0	0.0	
25	P12 BPSK	80	80		22.43		23.5	0.5	
25	P12 BPSK	160	0		22.47				
25	QPSK	1	1		22.76		24.0	0.0	
25	QPSK	1	80		22.70				
25	QPSK	1	158		22.65		23.0	1.0	
25	QPSK	80	0		21.89		23.0	0.0	
25	QPSK	80	40		22.90		24.0	0.0	
25	QPSK	80	80		21.91		23.0	1.0	
25	QPSK	160	0		21.98				
25	16QAM	1	1		21.23		23.0	1.0	
25	64QAM	1	1		19.75		21.5	2.5	
25	256QAM	1	1		18.44		19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	22.47	22.49	22.37			
20	P12 BPSK	1	53	22.64	22.68	22.56	24.0	0.0	
20	P12 BPSK	1	104	22.50	22.60	22.54			
20	P12 BPSK	50	0	22.15	22.36	22.14	23.5	0.5	
20	P12 BPSK	50	28	22.64	22.73	22.66	24.0	0.0	
20	P12 BPSK	50	56	22.22	22.36	22.31	23.5	0.5	
20	P12 BPSK	100	0	22.30	22.43	22.36			
20	QPSK	1	1	22.56	22.67	22.57			
20	QPSK	1	53	22.61	22.68	22.55	24.0	0.0	
20	QPSK	1	104	22.52	22.58	22.51			
20	QPSK	50	0	21.67	21.86	21.77	23.0	1.0	
20	QPSK	50	28	22.70	22.87	22.81	24.0	0.0	
20	QPSK	50	56	21.81	21.91	21.75	23.0	1.0	
20	QPSK	100	0	21.88	21.95	21.79			
20	16QAM	1	1	21.05	21.17	21.12	23.0	1.0	
20	64QAM	1	1	19.84	19.89	19.83	21.5	2.5	
20	256QAM	1	1	18.34	18.36	18.33	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.58	22.65	22.68	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.68	22.62	22.51	24.0	0.0	
Channel				166300	167900	168900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.67	22.67	22.72	24.0	0.0	

n12 Ant0 SA 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				141300	141900	141700			
Frequency (MHz)									
15	P12 BPSK	1	1	22.77	22.83	22.74			
15	P12 BPSK	1	40	22.76	22.79	22.69	24.0	0.0	
15	P12 BPSK	1	77	22.66	22.70	22.58			
15	P12 BPSK	36	0	22.26	22.32	22.23	23.5	0.5	
15	P12 BPSK	36	22	22.74	22.80	22.71	24.0	0.0	
15	P12 BPSK	36	43	22.19	22.33	22.20	23.5	0.5	
15	P12 BPSK	75	0	22.28	22.36	22.29			
15	QPSK	1	1	22.85	22.87	22.82			
15	QPSK	1	40	22.67	22.75	22.61	24.0	0.0	
15	QPSK	1	77	22.63	22.68	22.58			
15	QPSK	36	0	21.73	21.79	21.67	23.0	1.0	
15	QPSK	36	22	22.76	22.83	22.79	24.0	0.0	
15	QPSK	36	43	21.79	21.84	21.79	23.0	1.0	
15	QPSK	75	0	21.87	21.88	21.83			
15	16QAM	1	1	21.24	21.36	21.30	23.0	1.0	
15	64QAM	1	1	19.99	20.07	19.99	21.5	2.5	
15	256QAM	1	1	18.58	18.65	18.61	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.77	22.76	22.77	24.0	0.0	
Channel				140300	141000	142000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.72	22.76	22.70	24.0	0.0	

n14 Ant0 SA 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				158100	158600				
Frequency (MHz)				72.6					
10	PI2 BPSK	1	1	22.56					
10	PI2 BPSK	1	26	22.52			24.0	0.0	
10	PI2 BPSK	1	50	22.44					
10	PI2 BPSK	25	0	22.12			23.5	0.5	
10	PI2 BPSK	25	14	22.56			24.0	0.0	
10	PI2 BPSK	25	27	21.94					
10	PI2 BPSK	50	0	22.01			23.5	0.5	
10	QPSK	1	1	22.58					
10	QPSK	1	26	22.53			24.0	0.0	
10	QPSK	1	50	22.47					
10	QPSK	25	0	21.58			23.0	1.0	
10	QPSK	25	14	22.55			24.0	0.0	
10	QPSK	25	27	21.43					
10	QPSK	50	0	21.50			23.0	1.0	
10	16QAM	1	1	21.29			23.0	1.0	
10	64QAM	1	1	19.84			21.5	2.5	
10	256QAM	1	1	18.54			19.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	796.5			
5	QPSK	1	1	22.44	22.53	22.47	24.0	0.0	

n25 Ant0 SA DS17									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				15.16	15.25	15.21			
40	PI2 BPSK	1	1	15.16	15.25	15.21			
40	PI2 BPSK	1	108	15.27	15.35	15.30	16.5	0.0	
40	PI2 BPSK	1	214	14.55	14.54	14.54			
40	PI2 BPSK	108	0	15.22	15.27	15.31	16.5	0.0	
40	PI2 BPSK	108	54	15.21	15.31	15.30	16.5	0.0	
40	PI2 BPSK	108	108	14.57	14.60	14.59	16.5	0.0	
40	PI2 BPSK	216	0	15.05	15.10	15.14			
40	QPSK	1	1	15.27	15.24	15.31			
40	QPSK	1	108	15.22	15.37	15.29	16.5	0.0	
40	QPSK	1	214	14.59	14.60	14.52			
40	QPSK	108	0	15.20	15.25	15.26	16.5	0.0	
40	QPSK	108	54	15.30	15.35	15.30	16.5	0.0	
40	QPSK	108	108	14.59	14.63	14.62			
40	QPSK	216	0	15.11	15.24	15.12	16.5	0.0	
40	16QAM	1	1	15.21	15.33	15.21	16.5	0.0	
40	64QAM	1	1	15.21	15.27	15.22	16.5	0.0	
40	256QAM	1	1	15.27	15.25	15.25	16.5	0.0	
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	15.16	15.25	15.22	16.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	15.16	15.17	15.20	16.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1900			
20	QPSK	1	1	15.16	15.23	15.22	16.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	15.16	15.23	15.19	16.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	15.12	15.21	15.19	16.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	15.12	15.21	15.16	16.5	0.0	

n26 Ant0 SA 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				164800	166300	167800			
Frequency (MHz)				834	831.5	829			
20	PI2 BPSK	1	1	22.61	22.73	22.66			
20	PI2 BPSK	1	63	22.61	22.69	22.65	24.0	0.0	
20	PI2 BPSK	1	104	22.61	22.67	22.54			
20	PI2 BPSK	50	0	22.07	22.14	22.08	23.5	0.5	
20	PI2 BPSK	40	28	22.54	22.66	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.21	22.29	22.17	23.5	0.5	
20	PI2 BPSK	100	0	22.24	22.35	22.26			
20	QPSK	1	1	22.73	22.76	22.69			
20	QPSK	1	63	22.57	22.69	22.54	24.0	0.0	
20	QPSK	1	104	22.53	22.64	22.52			
20	QPSK	50	0	21.64	21.67	21.61	23.0	1.0	
20	QPSK	50	28	22.66	22.75	22.71	24.0	0.0	
20	QPSK	50	86	21.70	21.79	21.66			
20	QPSK	100	0	21.74	21.82	21.62	23.0	1.0	
20	16QAM	1	1	21.21	21.30	21.16	23.0	1.0	
20	64QAM	1	1	19.68	19.74	19.71	21.5	2.5	
20	256QAM	1	1	18.41	18.46	18.38	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	22.59	22.67	22.62	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.59	22.63	22.58	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	22.67	22.72	22.59	24.0	0.0	



n66 Ant0 SA DSI7									
BW [MHz]	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	352000			
Frequency (MHz)				1740	1745	1750			
40	PI2 BPSK	1	1	16.55	16.53	16.54			
40	PI2 BPSK	1	108	17.52	17.58	17.50	18.5	0.0	
40	PI2 BPSK	1	214	16.58	16.61	16.54			
40	PI2 BPSK	108	0	16.74	16.86	16.79	18.5	0.0	
40	PI2 BPSK	108	54	17.19	17.28	17.18	18.5	0.0	
40	PI2 BPSK	108	108	16.79	16.89	16.86			
40	PI2 BPSK	216	0	16.80	16.91	16.83	18.5	0.0	
40	QPSK	1	1	16.65	16.72	16.60			
40	QPSK	1	108	17.49	17.61	17.54	18.5	0.0	
40	QPSK	1	214	16.51	16.56	16.55			
40	QPSK	108	0	16.81	16.90	16.75	18.5	0.0	
40	QPSK	108	54	17.23	17.32	17.20	18.5	0.0	
40	QPSK	108	108	16.75	16.86	16.80	18.5	0.0	
40	QPSK	216	0	16.86	16.94	16.91			
40	16QAM	1	1	16.89	16.72	16.82	18.5	0.0	
40	64QAM	1	1	16.59	16.67	16.54	18.5	0.0	
40	256QAM	1	1	17.20	17.07	17.04	18.5	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	17.38	17.54	17.44	18.5	0.0	
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	17.38	17.55	17.45	18.5	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	17.44	17.52	17.47	18.5	0.0	
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	17.48	17.48	17.48	18.5	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	17.35	17.49	17.49	18.5	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	17.38	17.50	17.44	18.5	0.0	

n70 Ant0 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					340500				
Frequency (MHz)					1702.5				
15	PI2 BPSK	1	1		18.23				
15	PI2 BPSK	1	40		18.31		19.5	0.0	
15	PI2 BPSK	1	77		18.28				
15	PI2 BPSK	36	0		18.17		19.5	0.0	
15	PI2 BPSK	36	22		18.30		19.5	0.0	
15	PI2 BPSK	36	43		18.38		19.5	0.0	
15	PI2 BPSK	75	0		18.30				
15	QPSK	1	1		18.39				
15	QPSK	1	40		18.37		19.5	0.0	
15	QPSK	1	77		18.23				
15	QPSK	36	0		18.21		19.5	0.0	
15	QPSK	36	22		18.33		19.5	0.0	
15	QPSK	36	43		18.20				
15	QPSK	75	0		18.29		19.5	0.0	
15	16QAM	1	1		18.04		19.5	0.0	
15	64QAM	1	1		17.89		19.5	0.0	
15	256QAM	1	1		18.23		19.5	0.0	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	18.33	18.35	18.34	19.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	18.32	18.24	18.25	19.5	0.0	

n71 Ant0 SA 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				134600	136100	137600			
Frequency (MHz)				673	683.5	693			
20	PI2 BPSK	1	1	22.67	22.70	22.58			
20	PI2 BPSK	1	63	22.49	22.64	22.52	24.0	0.0	
20	PI2 BPSK	1	104	22.38	22.42	22.33			
20	PI2 BPSK	50	0	22.04	22.09	21.98	23.5	0.5	
20	PI2 BPSK	40	28	22.61	22.68	22.54	24.0	0.0	
20	PI2 BPSK	50	56	22.03	22.06	21.97	23.5	0.5	
20	PI2 BPSK	100	0	22.06	22.11	21.98			
20	QPSK	1	1	22.72	22.77	22.69			
20	QPSK	1	63	22.49	22.60	22.52	24.0	0.0	
20	QPSK	1	104	22.49	22.53	22.45			
20	QPSK	50	0	21.52	21.57	21.45	23.0	1.0	
20	QPSK	50	28	22.73	22.75	22.70	24.0	0.0	
20	QPSK	50	86	21.49	21.61	21.52	23.0	1.0	
20	QPSK	100	0	21.68	21.76	21.72	23.0	1.0	
20	16QAM	1	1	21.43	21.49	21.35	23.0	1.0	
20	64QAM	1	1	19.79	19.88	19.75	21.5	2.5	
20	256QAM	1	1	18.33	18.46	18.38	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.65	22.71	22.62	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669	680.5	693			
10	QPSK	1	1	22.60	22.73	22.55	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.63	22.69	22.62	24.0	0.0	

n7 Ant1 SA DSI7									
BW [MHz]	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	21.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.61	19.67	19.58			
50	PI/2 BPSK	1	135	20.05	20.14	20.00	21.0	0.0	
50	PI/2 BPSK	1	268	19.71	19.76	19.73			
50	PI/2 BPSK	135	0	19.92	20.03	19.93			
50	PI/2 BPSK	135	68	19.92	19.99	19.95	21.0	0.0	
50	PI/2 BPSK	135	135	19.96	20.02	19.89	21.0	0.0	
50	PI/2 BPSK	270	0	19.97	20.08	19.94			
50	QPSK	1	1	20.12	20.17	20.13			
50	QPSK	1	135	19.67	19.75	19.68	21.0	0.0	
50	QPSK	1	268	19.63	19.71	19.67	21.0	0.0	
50	QPSK	135	0	19.92	20.06	19.95			
50	QPSK	135	68	20.04	20.15	20.10			
50	QPSK	135	135	19.87	19.95	19.85	21.0	0.0	
50	QPSK	270	0	19.99	20.05	20.02			
50	16QAM	1	1	19.35	19.46	19.40	21.0	0.0	
50	64QAM	1	1	19.30	19.42	19.34	21.0	0.0	
50	256QAM	1	1	18.73	18.86	18.76	19.5	1.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	19.95	20.11	19.99	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	19.97	20.05	19.97	21.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	19.90	20.08	19.91	21.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	PI/2 BPSK	1	1	20.01	20.13	19.97	21.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	20.06	20.06	19.96	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	19.96	20.03	20.00	21.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	20.01	20.10	19.99	21.0	0.0	

n30 Ant1 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	PI/2 BPSK	1	1		21.88		23.0	0.0	
10	PI/2 BPSK	1	26		21.63				
10	PI/2 BPSK	1	50		21.71				
10	PI/2 BPSK	25	0		21.79		23.0	0.0	
10	PI/2 BPSK	25	14		21.83		23.0	0.0	
10	PI/2 BPSK	25	27		21.66		23.0	0.0	
10	PI/2 BPSK	50	0		21.80				
10	QPSK	1	1		21.91				
10	QPSK	1	26		21.87		23.0	0.0	
10	QPSK	1	50		21.70				
10	QPSK	25	0		21.82				
10	QPSK	25	14		21.82		23.0	0.0	
10	QPSK	25	27		21.64		23.0	0.0	
10	QPSK	50	0		21.80				
10	16QAM	1	1		21.46				
10	64QAM	1	1		21.39		23.0	0.0	
10	256QAM	1	1		21.50		23.0	0.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	21.82	21.85	21.77	23.0	0.0	



n41 PC2&PC3 Ant1 SA DSI7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)
Channel				506202	518598	528000	MPR (dB)
Frequency (MHz)				2546.01	2552.59	2543	
100	PI2 BPSK	1	1	19.75	19.83	19.66	
100	PI2 BPSK	1	137	19.83	19.82	19.74	20.5
100	PI2 BPSK	1	271	19.72	19.88	19.82	
100	PI2 BPSK	135	0	19.71	19.85	19.65	20.5
100	PI2 BPSK	135	69	19.82	19.82	19.76	20.5
100	PI2 BPSK	135	136	19.75	19.85	19.76	20.5
100	PI2 BPSK	270	0	19.65	19.63	19.64	
100	QPSK	1	1	19.70	19.85	19.64	
100	QPSK	1	137	19.77	19.86	19.76	20.5
100	QPSK	1	271	19.74	19.84	19.80	
100	QPSK	135	0	19.72	19.83	19.65	20.5
100	QPSK	135	69	19.79	19.89	19.74	20.5
100	QPSK	135	136	19.79	19.83	19.81	20.5
100	QPSK	270	0	19.61	19.66	19.60	
100	16QAM	1	1	19.70	19.84	19.69	20.5
100	64QAM	1	1	19.75	19.80	19.79	20.5
100	256QAM	1	1	19.74	19.80	19.76	20.5
Channel				528200	531000	52999	Tune-up limit (dBm)
Frequency (MHz)				2541	2592.59	2644.98	MPR (dB)
90	QPSK	1	1	19.68	19.86	19.70	20.5
Channel				507204	518598	525998	Tune-up limit (dBm)
Frequency (MHz)				2646.02	2692.59	2649.98	MPR (dB)
80	QPSK	1	1	19.77	19.85	19.65	20.5
Channel				506202	518598	531000	Tune-up limit (dBm)
Frequency (MHz)				2546.02	2592.59	2605	MPR (dB)
70	QPSK	1	1	19.70	19.88	19.68	20.5
Channel				506200	518598	531998	Tune-up limit (dBm)
Frequency (MHz)				2536	2592.59	2609.98	MPR (dB)
60	QPSK	1	1	19.77	19.87	19.63	20.5
Channel				528200	531000	52999	Tune-up limit (dBm)
Frequency (MHz)				2521.02	2592.59	2664.99	MPR (dB)
50	QPSK	1	1	19.76	19.84	19.72	20.5
Channel				503002	518598	534000	Tune-up limit (dBm)
Frequency (MHz)				2616.01	2692.59	2705	MPR (dB)
40	QPSK	1	1	19.69	19.84	19.65	20.5
Channel				502000	518598	534996	Tune-up limit (dBm)
Frequency (MHz)				2511	2592.59	2674.98	MPR (dB)
30	QPSK	1	1	19.70	19.83	19.67	20.5
Channel				501204	518598	535998	Tune-up limit (dBm)
Frequency (MHz)				2506.02	2592.59	2679.98	MPR (dB)
20	QPSK	1	1	19.68	19.85	19.64	20.5
Channel				500708	518598	536996	Tune-up limit (dBm)
Frequency (MHz)				2490.15	2592.59	2692.48	MPR (dB)
15	QPSK	1	1	19.73	19.85	19.68	20.5
Channel				500202	518598	537000	Tune-up limit (dBm)
Frequency (MHz)				2501.01	2592.59	2703	MPR (dB)
10	QPSK	1	1	19.70	19.88	19.66	20.5

Part270 n77 Ant1 SA PC3 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)
Channel				650000	656000	662000	MPR (dB)
Frequency (MHz)				3750	3840	3930	
100	PI2 BPSK	1	1	16.80	16.89	16.84	
100	PI2 BPSK	1	137	17.07	17.07	16.96	16.0
100	PI2 BPSK	1	271	16.82	16.87	16.89	
100	PI2 BPSK	135	0	16.81	16.81	16.72	16.0
100	PI2 BPSK	135	69	16.89	17.06	17.07	16.0
100	PI2 BPSK	135	136	16.81	16.93	16.90	16.0
100	PI2 BPSK	270	0	16.82	17.00	16.87	
100	QPSK	1	1	16.80	16.98	16.85	
100	QPSK	1	137	17.00	17.00	17.02	16.0
100	QPSK	1	271	16.89	16.95	16.91	
100	QPSK	135	0	16.71	16.78	16.81	16.0
100	QPSK	135	69	17.04	17.12	17.00	16.0
100	QPSK	135	136	16.80	16.81	16.89	16.0
100	QPSK	270	0	16.89	16.90	16.92	
100	16QAM	1	1	15.89	15.98	15.85	17.0
100	64QAM	1	1	15.75	15.87	15.81	17.0
100	256QAM	1	1	15.58	15.25	15.14	16.0
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3840	3935.01	MPR (dB)
90	QPSK	1	1	16.77	16.99	16.84	16.0
Channel				649334	656000	662668	Tune-up limit (dBm)
Frequency (MHz)				3748.01	3840	3940.02	MPR (dB)
80	QPSK	1	1	16.80	16.94	16.83	16.0
Channel				649000	656000	663000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3940	MPR (dB)
70	QPSK	1	1	16.84	16.99	16.81	16.0
Channel				648668	656000	663334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3840	3950.01	MPR (dB)
60	QPSK	1	1	16.87	16.97	16.81	16.0
Channel				648334	656000	663668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3840	3955.02	MPR (dB)
50	QPSK	1	1	16.83	16.91	16.91	16.0
Channel				648000	656000	664000	Tune-up limit (dBm)
Frequency (MHz)				3720	3840	3960	MPR (dB)
40	QPSK	1	1	16.79	16.93	16.89	16.0
Channel				647334	656000	664668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3840	3970.02	MPR (dB)
20	QPSK	1	1	16.85	16.90	16.85	16.0
Channel				647168	656000	665334	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3840	3972.51	MPR (dB)
15	QPSK	1	1	16.87	16.91	16.85	16.0
Channel				647000	656000	665600	Tune-up limit (dBm)
Frequency (MHz)				3705	3840	3975	MPR (dB)
10	QPSK	1	1	16.75	17.00	16.80	16.0

Part27Q n77 Ant1 SA PC3 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Fwd Ch / Freq	Power High Ch / Freq	Time-up limit (dbm)	MPR (db)	
Channel									
		Frequency (MHz)			3560.01				
100	PQ2 BPSK	1	1	17.66					
100	PQ2 BPSK	1	1	17.64		18.0	0.0		
100	PQ2 BPSK	1	231	17.66					
100	PQ2 BPSK	135	0	17.35		18.0	0.0		
100	PQ2 BPSK	135	60	17.65					
100	PQ2 BPSK	135	135	17.64		18.0	0.0		
100	PQ2 BPSK	270	0	17.58					
100	QPSK	1	1	17.70		18.0	0.0		
100	QPSK	1	137	17.70					
100	QPSK	1	231	17.70		18.0	0.0		
100	QPSK	135	0	17.37		18.0	0.0		
100	QPSK	135	60	17.67					
100	QPSK	135	135	17.64		18.0	0.0		
100	QPSK	270	0	17.57		18.0	0.0		
100	16QAM	1	1	18.35		17.0	1.0		
100	16QAM	1	1	18.28		17.0	1.0		
100	256QAM	1	1	18.35		18.0	2.0		
Channel									
		Frequency (MHz)		63300	63333.4		Time-up limit (dbm)	MPR (db)	
90	QPSK	1	1	3495	3500.01	3505.02			
	Channel			Frequency (MHz)	63333.4	63333.4	18.0	0.0	
	Channel			Frequency (MHz)	3490.02	3500.01	18.0	0.0	
80	QPSK	1	1	17.47	17.63	17.65	18.0	0.0	
	Channel			Frequency (MHz)	3485.01	3500.01	18.0	0.0	
	Channel			Frequency (MHz)	3485.01	3500.01	3510.01	18.0	0.0
70	QPSK	1	1	17.65	17.66	17.66	18.0	0.0	
	Channel			Frequency (MHz)	63200	63333.4	34998	Time-up limit (dbm)	MPR (db)
	Channel			Frequency (MHz)	3490	3500.01	3500.02	Time-up limit (dbm)	MPR (db)
60	QPSK	1	1	17.71	17.73	17.84	18.0	0.0	
	Channel			Frequency (MHz)	63168	63333.4	63500	Time-up limit (dbm)	MPR (db)
	Channel			Frequency (MHz)	3485.02	3500.01	3500.02	Time-up limit (dbm)	MPR (db)
50	QPSK	1	1	17.70	17.81	17.82	18.0	0.0	
	Channel			Frequency (MHz)	63134	63333.4	63534	Time-up limit (dbm)	MPR (db)
	Channel			Frequency (MHz)	3470.01	3500.01	3530.01	Time-up limit (dbm)	MPR (db)
40	QPSK	1	1	17.72	17.73	17.83	18.0	0.0	
	Channel			Frequency (MHz)	63068	63333.4	63000	Time-up limit (dbm)	MPR (db)
	Channel			Frequency (MHz)	3480.02	3500.01	3540	Time-up limit (dbm)	MPR (db)
20	QPSK	1	1	17.62	17.72	17.82	18.0	0.0	
	Channel			Frequency (MHz)	63050	63333.4	63310	Time-up limit (dbm)	MPR (db)
	Channel			Frequency (MHz)	3487.5	3500.01	3542.5	Time-up limit (dbm)	MPR (db)
15	QPSK	1	1	17.63	17.71	17.65	18.0	0.0	
	Channel			Frequency (MHz)	63034	63333.4	63334	Time-up limit (dbm)	MPR (db)
	Channel			Frequency (MHz)	3485.01	3500.01	3545.01	Time-up limit (dbm)	MPR (db)
10	QPSK	1	1	17.65	17.69	17.66	18.0	0.0	

Part270 n77 Ant1 SA PC2 Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 656000	Power Middle Ch. Freq. 666000	Power High Ch. Freq. 666000	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3750	3840	3930			
100	P2 BPSK	1	1	20.11	20.14	20.12			
100	P2 BPSK	1	137	20.11	19.35	19.30	21.0	0.0	
100	P2 BPSK	1	271	19.28	19.32	19.29			
100	P2 BPSK	135	0	19.79	19.79	19.79	20.5	0.5	
100	P2 BPSK	135	69	20.03	19.86	19.86	21.0	0.0	
100	P2 BPSK	135	138	19.87	19.83				
100	P2 BPSK	270	0	19.87	19.88	19.93	20.5	0.5	
100	QPSK	1	1	18.66	18.66	18.69			
100	QPSK	1	137	19.27	19.27	19.26	21.0	0.0	
100	QPSK	1	271	19.27	19.27	19.26			
100	QPSK	135	0	19.66	19.76	19.67			
100	QPSK	135	69	19.94	20.03	19.99	21.0	0.0	
100	QPSK	135	138	19.78	19.78				
100	QPSK	270	0	19.84	19.87	19.81	20.0	1.0	
100	16QAM	1	1	18.78	18.81	18.76			
100	16QAM	1	1	17.37	17.38	17.31	18.5	2.5	
100	256QAM	1	1	15.84	15.89	15.86	16.0	4.0	
Channel									
	Frequency (MHz)			64868	656000	662334	Time-up time (dBm)	MPR (dB)	
90	QPSK	1	1	3745.02	3840	3935.01	21.0		
Channel									
	Frequency (MHz)			648334	656000	663366	Time-up time (dBm)	MPR (dB)	
80	QPSK	1	1	3740.01	3840	3940.02	21.0		
Channel									
	Frequency (MHz)			20.16	20.06	20.08	21.0	0.0	
Channel									
	Frequency (MHz)			660000	660000	660000	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3735	3840	3945			
70	QPSK	1	1	20.07	20.12	20.11	21.0	0.0	
Channel									
	Frequency (MHz)			64868	656000	663334	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3730.02	3840	3950.01	21.0		
60	QPSK	1	1	20.11	20.07	20.09	21.0	0.0	
Channel									
	Frequency (MHz)			648334	656000	663668	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3740.01	3840	3950.02	21.0		
50	QPSK	1	1	20.07	20.18	20.07	21.0	0.0	
Channel									
	Frequency (MHz)			648000	656000	664000	Time-up time (dBm)	MPR (dB)	
40	QPSK	1	1	20.13	20.16	20.14	21.0	0.0	
Channel									
	Frequency (MHz)			647324	656000	664668	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3710.01	3840	3970.02	21.0		
20	QPSK	1	1	20.13	20.16	20.08	21.0	0.0	
Channel									
	Frequency (MHz)			647000	656000	665111	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3707.52	3840	3972.51	21.0		
15	QPSK	1	1	20.13	20.17	20.15	21.0	0.0	
Channel									
	Frequency (MHz)			647000	656000	665500	Time-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			3684	3840	3975	21.0		
10	QPSK	1	1	20.12	20.09	20.12	21.0	0.0	

Part27Q n77 Ant1 SA PC2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Turn-on time (dBm)	MPR (dB)
Channel								
		Frequency (MHz)			630001	630334		
100	P2 BPSK	1	1	20.09				
100	P2 BPSK	1	217	19.33			21.0	0.0
100	P2 BPSK	135	0	19.72			20.5	0.5
100	P2 BPSK	150	69	19.87			21.0	0.0
100	P2 BPSK	150	135	19.85			20.5	0.5
100	QPSK	270	0	19.88				
100	QPSK	1	1	19.88				
100	QPSK	1	217	20.12			21.0	0.0
100	QPSK	135	0	19.70			20.0	1.0
100	QPSK	150	69	19.86			21.0	0.0
100	QPSK	150	135	19.85			20.0	1.0
100	QPSK	270	0	19.88				
100	16QAM	1	1	16.79			20.0	1.0
100	16QAM	1	217	18.25			18.5	2.5
100	256QAM	1	1	15.34			16.5	1.5
Channel								
		Frequency (MHz)			630000	630334	630668	
90	QPSK	1	1	3465	3506.01	3506.02	Turn-on time (dBm)	MPR (dB)
90	QPSK	1	217	3506.68	3506.01	3506.02	21.0	0.0
Channel								
		Frequency (MHz)			3460.02	3506.01	3510.01	
80	QPSK	1	1	20.00	20.08	20.07	21.0	0.0
80	QPSK	1	217	20.12	20.08	20.12	21.0	0.0
Channel								
		Frequency (MHz)			3465.01	3506.01	3515.01	
70	QPSK	1	1	20.01	20.09	20.03	21.0	0.0
70	QPSK	1	217	20.01	20.09	20.03	21.0	0.0
Channel								
		Frequency (MHz)			630000	630334	634668	
60	QPSK	1	1	3460	3506.01	3506.02	Turn-on time (dBm)	MPR (dB)
60	QPSK	1	217	3506.01	3506.01	3506.01	21.0	0.0
Channel								
		Frequency (MHz)			631668	630334	635000	
50	QPSK	1	1	3475.07	3506.01	3506.01	Turn-on time (dBm)	MPR (dB)
50	QPSK	1	217	3506.01	3506.01	3506.01	21.0	0.0
Channel								
		Frequency (MHz)			631334	630334	635834	
40	QPSK	1	1	3470.51	3506.01	3506.01	Turn-on time (dBm)	MPR (dB)
40	QPSK	1	217	3506.01	3506.01	3506.01	21.0	0.0
Channel								
		Frequency (MHz)			3460.02	3506.01	3500.00	
20	QPSK	1	1	20.04	20.02	20.03	21.0	0.0
20	QPSK	1	217	20.04	20.02	20.03	21.0	0.0
Channel								
		Frequency (MHz)			3467.5	3506.01	3542.52	
15	QPSK	1	1	20.06	20.05	20.04	21.0	0.0
15	QPSK	1	217	20.06	20.05	20.04	21.0	0.0
Channel								
		Frequency (MHz)			630334	630334	630334	
10	QPSK	1	1	20.02	20.09	20.07	21.0	0.0
10	QPSK	1	217	20.02	20.09	20.07	21.0	0.0

Part270 n78 Ant1 SA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750					
Frequency (MHz)				18.18					
100	Pi2 BPSK	1	1		18.18		19.0	0.0	
100	Pi2 BPSK	1	137		18.08				
100	Pi2 BPSK	1	271		18.06				
100	Pi2 BPSK	135	0		17.88				
100	Pi2 BPSK	135	69		18.22		19.0	0.0	
100	Pi2 BPSK	135	138		18.01		19.0	0.0	
100	Pi2 BPSK	270	0		18.02		19.0	0.0	
100	QPSK	1	1		18.10		19.0	0.0	
100	QPSK	1	137		18.16				
100	QPSK	1	271		17.95				
100	QPSK	135	0		17.97				
100	QPSK	135	69		18.23		19.0	0.0	
100	QPSK	135	138		17.95		19.0	0.0	
100	QPSK	270	0		18.07		19.0	0.0	
100	16QAM	1	1		17.46		18.0	1.0	
100	64QAM	1	1		18.59		18.0	1.0	
100	256QAM	1	1		18.38		17.0	2.0	
Channel				649968	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		18.08	18.10	18.06	19.0	0.0
Channel				646334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3748.01	3750	3750.00	(dBm)	(dB)	
80	QPSK	1	1		18.12	18.21	18.08	19.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		18.07	18.18	18.14	19.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		18.12	18.16	18.09	19.0	0.0
Channel				643334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		18.07	18.12	18.07	19.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		18.09	18.13	18.09	19.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)	
30	QPSK	1	1		18.07	18.10	18.09	19.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3760.02	(dBm)	(dB)	
20	QPSK	1	1		18.08	18.19	18.09	19.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
15	QPSK	1	1		18.06	18.21	18.09	19.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3700	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		18.10	18.14	18.12	19.0	0.0

Part27Q n78 Ant1 SA Default									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3000.01					
Frequency (MHz)				18.52					
100	Pi2 BPSK	1	1		18.52		19.0	0.0	
100	Pi2 BPSK	1	137		18.32				
100	Pi2 BPSK	1	271		18.20				
100	Pi2 BPSK	135	0		18.21				
100	Pi2 BPSK	135	69		18.36		19.0	0.0	
100	Pi2 BPSK	135	138		18.43		19.0	0.0	
100	Pi2 BPSK	270	0		18.32		19.0	0.0	
100	QPSK	1	1		18.37		19.0	0.0	
100	QPSK	1	137		18.57				
100	QPSK	1	271		18.28				
100	QPSK	135	0		18.18				
100	QPSK	135	69		18.51		19.0	0.0	
100	QPSK	135	138		18.36		19.0	0.0	
100	QPSK	270	0		18.51		19.0	0.0	
100	16QAM	1	1		18.27		19.0	0.0	
100	64QAM	1	1		17.90		18.0	1.0	
100	256QAM	1	1		17.28		18.0	1.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		18.43	18.49	18.33	19.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3488.02	3500.01	3510.01	(dBm)	(dB)	
80	QPSK	1	1		18.41	18.46	18.38	19.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3488.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		18.41	18.43	18.31	19.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		18.43	18.54	18.39	19.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		18.40	18.50	18.31	19.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3482.01	3500.01	3528.01	(dBm)	(dB)	
40	QPSK	1	1		18.42	18.51	18.39	19.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3485	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		18.40	18.52	18.42	19.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3480.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		18.39	18.47	18.37	19.0	0.0
Channel				630334	633334	636368	Tune-up limit	MPR	
Frequency (MHz)				3482.5	3500.01	3542.5	(dBm)	(dB)	
15	QPSK	1	1		18.41	18.53	18.34	19.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3482.01	3500.01	3542.01	(dBm)	(dB)	
10	QPSK	1	1		18.45	18.48	18.37	19.0	0.0



n41 PC2&PC3 Ant3 SA DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	526000		
Frequency (MHz)				2548.01	2592.99	2640		
100	Pi2 BPSK	1	1	16.65	16.81	16.84		
100	Pi2 BPSK	1	137	17.59	17.65	17.50	18.0	0.0
100	Pi2 BPSK	1	271	17.03	17.06	16.90		
100	Pi2 BPSK	135	0	17.15	17.17	17.12	18.0	0.0
100	Pi2 BPSK	135	69	17.58	17.61	17.60		
100	Pi2 BPSK	135	138	17.52	17.62	17.41	18.0	0.0
100	Pi2 BPSK	270	0	17.55	17.61	17.58	18.0	0.0
100	QPSK	1	1	16.71	16.97	16.89		
100	QPSK	1	137	17.69	17.65	17.62	18.0	0.0
100	QPSK	1	271	16.99	17.06	16.95		
100	QPSK	135	0	17.13	17.28	17.17	18.0	0.0
100	QPSK	135	69	17.52	17.71	17.57	18.0	0.0
100	QPSK	135	138	17.45	17.57	17.35	18.0	0.0
100	QPSK	270	0	17.56	17.60	17.53		
100	16QAM	1	1	16.45	16.54	16.41	18.0	0.0
100	64QAM	1	1	16.43	16.43	16.40	18.0	0.0
100	256QAM	1	1	16.84	17.01	17.02	18.0	0.0
Channel				500000	510000	520000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	17.60	17.74	17.71	18.0	0.0
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.45	2692.99	2644.99		
80	QPSK	1	1	17.62	17.72	17.76	18.0	0.0
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	17.62	17.70	17.76	18.0	0.0
Channel				505000	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636	2692.99	2659.98		
60	QPSK	1	1	17.62	17.80	17.71	18.0	0.0
Channel				502204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2692.99	2664.99		
50	QPSK	1	1	17.65	17.79	17.76	18.0	0.0
Channel				503002	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2416.41	2692.99	2636		
40	QPSK	1	1	17.56	17.76	17.74	18.0	0.0
Channel				502000	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2692.99	2674.98		
30	QPSK	1	1	17.54	17.75	17.78	18.0	0.0
Channel				501004	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2406.02	2692.99	2679.99		
20	QPSK	1	1	17.64	17.77	17.71	18.0	0.0
Channel				500000	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2303.15	2692.99	2682.46		
15	QPSK	1	1	17.60	17.73	17.76	18.0	0.0
Channel				500002	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2201.01	2692.99	2685		
10	QPSK	1	1	17.63	17.70	17.69	18.0	0.0

Part270 n77 PC2&PC3 Ant3 SA DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	660000		
Frequency (MHz)				3760	3840	3900		
100	Pi2 BPSK	1	1	13.61	13.77	13.72		
100	Pi2 BPSK	1	137	12.82	12.86	12.75	14.5	0.0
100	Pi2 BPSK	1	271	13.04	13.08	13.05		
100	Pi2 BPSK	135	0	13.36	13.46	13.39	14.5	0.0
100	Pi2 BPSK	135	69	13.55	13.61	13.42	14.5	0.0
100	Pi2 BPSK	135	138	13.51	13.53	13.43	14.5	0.0
100	Pi2 BPSK	270	0	13.55	13.60	13.58		
100	QPSK	1	1	12.77	12.85	12.84		
100	QPSK	1	137	13.63	13.64	13.75	14.5	0.0
100	QPSK	1	271	13.08	13.18	13.02		
100	QPSK	135	0	13.38	13.50	13.52	14.5	0.0
100	QPSK	135	69	13.55	13.65	13.55	14.5	0.0
100	QPSK	135	138	13.41	13.55	13.47	14.5	0.0
100	QPSK	270	0	13.52	13.56	13.43		
100	16QAM	1	1	12.70	12.78	12.82	14.5	0.0
100	64QAM	1	1	12.61	12.59	12.51	14.5	0.0
100	256QAM	1	1	13.14	13.20	13.12	14.5	0.0
Channel				646968	650000	652534	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3835.01		
90	QPSK	1	1	13.50	13.71	13.68	14.5	0.0
Channel				646334	656000	662968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3840.02		
80	QPSK	1	1	13.55	13.76	13.65	14.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3845		
70	QPSK	1	1	13.50	13.77	13.67	14.5	0.0
Channel				646068	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3850.01		
60	QPSK	1	1	13.53	13.74	13.61	14.5	0.0
Channel				645355	656000	663998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3855.02		
50	QPSK	1	1	13.59	13.79	13.70	14.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	13.56	13.72	13.68	14.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3870.02		
20	QPSK	1	1	13.60	13.75	13.68	14.5	0.0
Channel				647168	656000	664934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3872.51		
15	QPSK	1	1	13.59	13.80	13.65	14.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3875		
10	QPSK	1	1	13.51	13.76	13.64	14.5	0.0

Part270 n77 PC2&PC3 Ant3 SA DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633600		
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	13.29				
100	Pi2 BPSK	1	137	12.53			14.5	0.0
100	Pi2 BPSK	1	271	12.52				
100	Pi2 BPSK	135	0	13.14			14.5	0.0
100	Pi2 BPSK	135	69	13.16			14.5	0.0
100	Pi2 BPSK	135	138	12.92			14.5	0.0
100	Pi2 BPSK	270	0	12.90				
100	QPSK	1	1	12.57				
100	QPSK	1	137	12.52			14.5	0.0
100	QPSK	1	271	12.55				
100	QPSK	135	0	13.11			14.5	0.0
100	QPSK	135	69	13.30			14.5	0.0
100	QPSK	135	138	12.80			14.5	0.0
100	QPSK	270	0	12.95				
100	16QAM	1	1	12.69			14.5	0.0
100	64QAM	1	1	12.51			14.5	0.0
100	256QAM	1	1	13.05			14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.15	13.12	13.20	14.5	0.0
Channel				632968	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3494.02	3500.01	3505		
80	QPSK	1	1	13.19	13.12	13.20	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.18	13.19	13.19	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	13.15	13.16	13.15	14.5	0.0
Channel				631600	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3505		
50	QPSK	1	1	13.17	13.14	13.16	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3474.01	3500.01	3505.01		
40	QPSK	1	1	13.20	13.16	13.14	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3505		
20	QPSK	1	1	13.18	13.17	13.17	14.5	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3502.52		
15	QPSK	1	1	13.13	13.15	13.21	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3450.01	3500.01	3505.01		
10	QPSK	1	1	13.13	13.13	13.20	14.5	0.0

Part270 n78 Ant3 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1	13.54	13.67	13.57		14.5	0.0
100	Pi2 BPSK	1	137	12.93	13.02	12.96			
100	Pi2 BPSK	1	271	13.08	13.10	13.05			
100	Pi2 BPSK	135	0	13.42	13.42	13.33	14.5	0.0	
100	Pi2 BPSK	135	69	13.50	13.54	13.54	14.5	0.0	
100	Pi2 BPSK	135	138	13.45	13.51	13.42		14.5	0.0
100	Pi2 BPSK	270	0	13.55	13.58	13.51			
100	QPSK	1	1	13.02	13.09	13.04			
100	QPSK	1	137	13.67	13.70	13.71	14.5	0.0	
100	QPSK	1	271	13.14	13.17	13.14		14.5	0.0
100	QPSK	135	0	13.47	13.48	13.41	14.5		
100	QPSK	135	69	13.66	13.70	13.64	14.5	0.0	
100	QPSK	135	138	13.48	13.57	13.47	14.5	0.0	
100	QPSK	270	0	13.56	13.61	13.58		14.5	0.0
100	16QAM	1	1	12.80	12.85	12.75	14.5		
100	64QAM	1	1	12.67	12.77	12.67	14.5	0.0	
100	256QAM	1	1	13.32	13.34	13.33	14.5	0.0	
Channel				649999	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	13.66	13.67	13.63	14.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.01			
80	QPSK	1	1	13.60	13.64	13.62	14.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	13.58	13.61	13.71	14.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	13.66	13.60	13.70	14.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	13.56	13.70	13.69	14.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	13.61	13.68	13.69	14.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	13.68	13.69	13.66	14.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	13.64	13.62	13.71	14.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
15	QPSK	1	1	13.66	13.69	13.64	14.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3700	3750	3795			
10	QPSK	1	1	13.64	13.71	13.71	14.5	0.0	

Part270 n78 Ant3 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				653000	653334	653334			
Frequency (MHz)				3500.01					
100	Pi2 BPSK	1	1		13.52			14.5	0.0
100	Pi2 BPSK	1	137		13.08				
100	Pi2 BPSK	1	271		13.10				
100	Pi2 BPSK	135	0		13.48		14.5	0.0	
100	Pi2 BPSK	135	69		13.57		14.5	0.0	
100	Pi2 BPSK	135	138		13.38		14.5	0.0	
100	Pi2 BPSK	270	0		13.47			14.5	0.0
100	QPSK	1	1		13.12				
100	QPSK	1	137		13.65				
100	QPSK	1	271		13.04			14.5	0.0
100	QPSK	135	0		13.46		14.5		
100	QPSK	135	69		13.52		14.5		
100	QPSK	135	138		13.43		14.5	0.0	
100	QPSK	270	0		13.48			14.5	0.0
100	16QAM	1	1		12.83		14.5		
100	64QAM	1	1		12.78		14.5		
100	256QAM	1	1		13.46		14.5	0.0	
Channel				653000	653334	653668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	13.54	13.56	13.56	14.5	0.0	
Channel				652668	653334	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	13.48	13.55	13.55	14.5	0.0	
Channel				652334	653334	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	13.54	13.59	13.59	14.5	0.0	
Channel				652000	653334	654668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	13.53	13.50	13.50	14.5	0.0	
Channel				651668	653334	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.49	13.54	13.54	14.5	0.0	
Channel				651334	653334	655334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.01			
40	QPSK	1	1	13.60	13.56	13.56	14.5	0.0	
Channel				651000	653334	655668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	13.51	13.48	13.48	14.5	0.0	
Channel				650668	653334	656000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.60	13.59	13.59	14.5	0.0	
Channel				650334	653334	656368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3542.52			
15	QPSK	1	1	13.56	13.51	13.51	14.5	0.0	
Channel				650334	653334	656334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3542.01			
10	QPSK	1	1	13.59	13.53	13.53	14.5	0.0	

n2 Ant4 SA Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1865	1860	1865		
Frequency (MHz)				2134	2138	2130		
30	PI2 BPSK	1	1	2134	2138	2130	23.0	0.0
30	PI2 BPSK	1	80	2174	2178	2167		
30	PI2 BPSK	1	158	2120	2133	2125		
30	PI2 BPSK	80	0	2158	2164	2159	23.0	0.0
30	PI2 BPSK	80	40	2154	2167	2163	23.0	0.0
30	PI2 BPSK	80	80	2147	2150	2140	23.0	0.0
30	PI2 BPSK	160	0	2149	2157	2152		
30	QPSK	1	1	2128	2142	2132		
30	QPSK	1	80	2178	2183	2168	23.0	0.0
30	QPSK	1	158	2117	2130	2120		
30	QPSK	80	0	2142	2152	2146		
30	QPSK	80	40	2154	2160	2151	23.0	0.0
30	QPSK	80	80	2137	2144	2135	23.0	0.0
30	QPSK	160	0	2145	2151	2143		
30	16QAM	1	1	2104	2111	2107	23.0	0.0
30	64QAM	1	1	2097	2109	2103	22.0	1.0
30	256QAM	1	1	2030	2052	2046	21.0	2.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1887.5		
25	QPSK	1	1	2122	2136	2128	23.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1860	1860		
20	PI2 BPSK	1	1	2133	2133	2134		
20	PI2 BPSK	1	53	2170	2172	2158	23.0	0.0
20	PI2 BPSK	1	104	2113	2123	2118		
20	PI2 BPSK	50	0	2154	2158	2151		
20	PI2 BPSK	50	28	2153	2159	2145	23.0	0.0
20	PI2 BPSK	50	56	2137	2144	2131	23.0	0.0
20	PI2 BPSK	100	0	2148	2156	2143		
20	QPSK	1	1	2119	2140	2128		
20	QPSK	1	53	2178	2174	2160	23.0	0.0
20	QPSK	1	104	2110	2129	2112		
20	QPSK	50	0	2137	2146	2144		
20	QPSK	50	28	2147	2160	2149	24.0	0.0
20	QPSK	50	56	2130	2134	2133	23.0	1.0
20	QPSK	100	0	2135	2145	2142		
20	16QAM	1	1	2098	2106	2106	23.0	0.0
20	64QAM	1	1	2098	2100	2098	22.0	1.0
20	256QAM	1	1	2030	2049	2045	21.0	2.0
Channel				371800	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1860	1852.5		
15	QPSK	1	1	2144	2177	2145	23.0	0.0
Channel				371800	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1860	1865		
10	QPSK	1	1	2174	2168	2159	23.0	0.0
Channel				375000	379000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1887.5		
5	QPSK	1	1	2168	2171	2163	23.0	0.0

n5 Ant4 SA 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					836.5			
Frequency (MHz)					2234			
25	PI2 BPSK	1	1		2238		24.0	0.0
25	PI2 BPSK	1	80		2249			
25	PI2 BPSK	1	158		2242			
25	PI2 BPSK	80	0		2208		23.5	0.5
25	PI2 BPSK	80	40		2234		24.0	0.0
25	PI2 BPSK	80	80		2211		23.5	0.5
25	PI2 BPSK	160	0		2217			
25	QPSK	1	1		2232		24.0	0.0
25	QPSK	1	80		2232			
25	QPSK	1	158		2239			
25	QPSK	80	0		2158		23.0	1.0
25	QPSK	80	40		2265		24.0	0.0
25	QPSK	80	80		2162		23.0	1.0
25	QPSK	160	0		2165			
25	16QAM	1	1		2109		23.0	1.0
25	64QAM	1	1		1937		21.5	2.5
25	256QAM	1	1		1831		19.5	4.5
Channel				168000	167500	167600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					834	836.5		
20	PI2 BPSK	1	1	2218	2225	2215		
20	PI2 BPSK	1	53	2233	2242	2233	24.0	0.0
20	PI2 BPSK	1	104	2223	2239	2225		
20	PI2 BPSK	50	0	2198	2202	2197	23.5	0.5
20	PI2 BPSK	50	28	2243	2251	2239	24.0	0.0
20	PI2 BPSK	50	56	2197	2208	2190	23.5	0.5
20	PI2 BPSK	100	0	2205	2211	2200		
20	QPSK	1	1	2234	2246	2237		
20	QPSK	1	53	2215	2226	2214	24.0	0.0
20	QPSK	1	104	2220	2236	2222		
20	QPSK	50	0	2145	2151	2138	23.0	1.0
20	QPSK	50	28	2247	2260	2247	24.0	0.0
20	QPSK	50	56	2152	2156	2146	23.0	1.0
20	QPSK	100	0	2155	2160	2154	23.0	1.0
20	16QAM	1	1	2098	2103	2101	23.0	1.0
20	64QAM	1	1	1947	1951	1948	21.5	2.5
20	256QAM	1	1	1813	1825	1813	19.5	4.5
Channel				168500	167500	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					841.5	841.5		
15	QPSK	1	1	2245	2253	2242	24.0	0.0
Channel				168500	167500	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					842	844		
10	QPSK	1	1	2247	2256	2241	24.0	0.0
Channel				168300	167500	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					836.5	846.5		
5	QPSK	1	1	2245	2260	2244	24.0	0.0

n12 Ant4 SA 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				141300	141600	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.17	22.22	22.09		
15	PI2 BPSK	1	43	22.05	22.10	22.03	24.0	0.0
15	PI2 BPSK	1	77	22.05	22.11	22.05		
15	PI2 BPSK	36	0	21.54	21.63	21.53	23.5	0.5
15	PI2 BPSK	36	22	22.04	22.11	22.06	24.0	0.0
15	PI2 BPSK	36	43	21.61	21.65	21.60	23.5	0.5
15	PI2 BPSK	75	0	21.62	21.67	21.52		
15	QPSK	1	1	22.26	22.31	22.24		
15	QPSK	1	43	22.08	22.14	22.07	24.0	0.0
15	QPSK	1	77	22.02	22.10	22.06		
15	QPSK	36	0	21.06	21.11	21.03	23.0	1.0
15	QPSK	36	22	22.11	22.26	22.17	24.0	0.0
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0
15	QPSK	75	0	21.22	21.26	21.23		
15	16QAM	1	1	21.23	21.31	21.16	23.0	1.0
15	64QAM	1	1	19.59	19.68	19.54	21.5	2.5
15	256QAM	1	1	17.24	17.55	17.50	19.5	4.5
Channel				142600	143000	142900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.17	22.27	22.22	24.0	0.0
Channel				140300	141600	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	711.5		
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0

n25 Ant4 SA 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				374000	376500	376000		
Frequency (MHz)				1870	1882.5	1885		
40	PI2 BPSK	1	1	21.65	21.69	21.63		
40	PI2 BPSK	1	106	21.72	21.81	21.70	23.0	0.0
40	PI2 BPSK	1	214	21.04	21.08	21.02		
40	PI2 BPSK	108	0	21.35	21.43	21.37	23.0	0.0
40	PI2 BPSK	108	54	21.55	21.61	21.51	23.0	0.0
40	PI2 BPSK	108	106	21.45	21.49	21.42		
40	PI2 BPSK	216	0	21.44	21.52	21.39	23.0	0.0
40	QPSK	1	1	21.07	21.12	21.03		
40	QPSK	1	106	21.74	21.85	21.63	23.0	0.0
40	QPSK	1	214	21.05	21.06	21.02		
40	QPSK	108	0	21.25	21.39	21.28	23.0	0.0
40	QPSK	108	54	21.42	21.54	21.49	23.0	0.0
40	QPSK	108	106	21.37	21.42	21.29		
40	QPSK	216	0	21.35	21.47	21.35	23.0	0.0
40	16QAM	1	1	20.49	20.62	20.52	22.0	1.0
40	64QAM	1	1	20.38	20.48	20.41	22.0	1.0
40	256QAM	1	1	19.72	19.82	19.83	21.0	2.0
Channel				372500	376500	376000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.61	21.65	21.74	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1892.5		
25	QPSK	1	1	21.61	21.79	21.79	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1925		
20	QPSK	1	1	21.70	21.75	21.69	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.70	21.77	21.74	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.62	21.85	21.79	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.69	21.80	21.79	23.0	0.0

n26 Ant4 SA 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				166800	166900	166900		
Frequency (MHz)				824	831.5	832		
20	PI2 BPSK	1	1	22.32	22.39	22.29		
20	PI2 BPSK	1	53	22.26	22.32	22.20	24.0	0.0
20	PI2 BPSK	1	104	22.22	22.25	22.15		
20	PI2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5
20	PI2 BPSK	50	26	22.18	22.22	22.15	24.0	0.0
20	PI2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5
20	PI2 BPSK	100	0	21.78	21.86	21.79		
20	QPSK	1	1	22.42	22.45	22.39		
20	QPSK	1	53	22.22	22.33	22.25	24.0	0.0
20	QPSK	1	104	22.15	22.23	22.11		
20	QPSK	50	0	21.12	21.22	21.07	23.0	1.0
20	QPSK	50	26	22.23	22.28	22.27	24.0	0.0
20	QPSK	50	56	21.28	21.37	21.27	23.0	1.0
20	QPSK	100	0	21.35	21.46	21.41		
20	16QAM	1	1	21.44	21.50	21.43	23.0	1.0
20	64QAM	1	1	19.72	19.85	19.77	21.5	2.5
20	256QAM	1	1	18.01	18.10	18.05	19.5	4.5
Channel				165300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.30	22.36	22.34	#REF!	0.0
Channel				163800	166300	166800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.30	22.41	22.31	#REF!	0.0
Channel				163300	166300	166900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.38	22.31	22.24	#REF!	0.0

n66 Ant4 SA DSI7								
BW [MHz]	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	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	18.19	18.22	18.14	20.0	0.0
40	PI2 BPSK	1	108	19.11	19.18	19.09		
40	PI2 BPSK	1	214	18.07	18.16	18.03		
40	PI2 BPSK	108	0	18.50	18.59	18.54	20.0	0.0
40	PI2 BPSK	108	54	18.91	18.97	18.90	20.0	0.0
40	PI2 BPSK	108	108	18.42	18.54	18.41	20.0	0.0
40	PI2 BPSK	216	0	18.45	18.56	18.50	20.0	0.0
40	QPSK	1	1	18.11	18.28	18.23		
40	QPSK	1	108	18.15	18.44	18.07		
40	QPSK	1	214	18.03	18.12	18.01	20.0	0.0
40	QPSK	108	0	18.40	18.51	18.45		
40	QPSK	108	54	18.83	18.88	18.79		
40	QPSK	108	108	18.47	18.53	18.40	20.0	0.0
40	QPSK	216	0	18.52	18.57	18.51	20.0	0.0
40	16QAM	1	1	18.12	18.16	18.09		
40	64QAM	1	1	18.07	18.11	18.05		
40	256QAM	1	1	18.53	18.57	18.48	20.0	0.0
Channel				350000	350000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	19.10	19.16	18.94	20.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	19.05	19.11	18.95	20.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	19.10	19.13	19.02	20.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	19.01	19.17	18.99	20.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	19.01	19.10	18.94	20.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	19.10	19.20	19.02	20.0	0.0

n71 Ant4 SA 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.49	22.53	22.40	24.0	0.0
20	PI2 BPSK	1	53	22.37	22.40	22.30		
20	PI2 BPSK	1	104	22.23	22.37	22.29		
20	PI2 BPSK	50	0	21.88	21.98	21.93	23.5	0.5
20	PI2 BPSK	50	28	22.20	22.33	22.26	24.0	0.0
20	PI2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5
20	PI2 BPSK	100	0	21.81	21.95	21.82	24.0	0.0
20	QPSK	1	1	22.51	22.55	22.47		
20	QPSK	1	53	22.36	22.47	22.42		
20	QPSK	1	104	22.34	22.29	22.25	23.0	1.0
20	QPSK	50	0	21.30	21.34	21.23		
20	QPSK	50	28	22.35	22.43	22.39		
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0
20	QPSK	100	0	21.42	21.45	21.45	23.0	1.0
20	16QAM	1	1	21.50	21.82	21.54		
20	64QAM	1	1	19.98	20.02	19.95		
20	256QAM	1	1	18.14	18.20	18.06	19.5	2.5
Channel				134100	135100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				666	680.5	695		
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				662.5	680.5	692.5		
5	QPSK	1	1	22.38	22.45	22.35	24.0	0.0

n41 PC2&PC3 Ant4 SA DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	16.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.16	14.20	14.09		
100	PI/2 BPSK	1	137	15.25	15.29	15.25		
100	PI/2 BPSK	1	271	14.06	14.15	14.05	16.0	0.0
100	PI/2 BPSK	135	0	14.83	14.89	14.75		
100	PI/2 BPSK	135	69	15.00	15.15	15.11		
100	PI/2 BPSK	135	138	14.82	14.89	14.78		
100	PI/2 BPSK	270	0	14.82	14.95	14.85	16.0	0.0
100	QPSK	1	1	14.19	14.27	14.24		
100	QPSK	1	137	14.95	15.31	15.07		
100	QPSK	1	271	14.25	14.35	14.23		
100	QPSK	135	0	14.79	14.93	14.79	16.0	0.0
100	QPSK	135	69	14.93	15.07	14.96		
100	QPSK	135	138	14.84	14.93	14.84		
100	QPSK	270	0	14.93	15.03	14.86		
100	16QAM	1	1	14.13	14.26	14.14	16.0	0.0
100	64QAM	1	1	14.14	14.22	14.07		
100	256QAM	1	1	14.04	14.14	14.09		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	16.0	0.0
90	QPSK	1	1	14.82	15.25	15.04		
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99	16.0	0.0
80	QPSK	1	1	14.89	15.26	14.99		
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	16.0	0.0
70	QPSK	1	1	14.86	15.22	14.99		
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98	16.0	0.0
60	QPSK	1	1	14.80	15.27	14.97		
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	16.0	0.0
50	QPSK	1	1	14.87	15.19	14.99		
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670	16.0	0.0
40	QPSK	1	1	14.87	15.28	14.94		
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	16.0	0.0
30	QPSK	1	1	14.89	15.27	14.93		
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99	16.0	0.0
20	QPSK	1	1	14.92	15.20	14.93		
Channel				500700	518598	536996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	16.0	0.0
15	QPSK	1	1	14.86	15.23	14.94		
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685	16.0	0.0
10	QPSK	1	1	14.81	15.17	15.03		

n48 Ant5 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				640000	641666	643332			
Frequency (MHz)				3000	3024.99	3049.98			
100	PQ2 BPSK	1	1	18.32	18.40	18.34	19.5	0.0	
100	PQ2 BPSK	1	137	18.91	19.09	18.95			
100	PQ2 BPSK	1	271	18.12	18.28	18.14			
100	PQ2 BPSK	135	0	18.76	18.85	18.73	19.5	0.0	
100	PQ2 BPSK	135	69	18.95	19.00	18.95	19.5	0.0	
100	PQ2 BPSK	135	138	18.80	18.76	18.84	19.5	0.0	
100	PQ2 BPSK	270	0	18.80	18.85	18.78			
100	QPSK	1	1	18.31	18.40	18.15			
100	QPSK	1	137	19.00	19.17	18.89	19.5	0.0	
100	QPSK	1	271	18.20	18.22	18.20			
100	QPSK	135	0	18.83	18.91	18.89	19.5	0.0	
100	QPSK	135	69	18.93	19.09	18.96	19.5	0.0	
100	QPSK	135	138	18.85	18.90	18.71	19.5	0.0	
100	QPSK	270	0	18.79	18.97	18.85			
100	16QAM	1	1	18.32	18.22	18.11	19.5	0.0	
100	64QAM	1	1	18.20	18.15	18.09	19.5	0.0	
100	256QAM	1	1	18.67	18.89	18.75	19.5	0.0	
Channel				639688	641666	643668	Tune-up limit	MPR	
Frequency (MHz)				3665.02	3624.99	3669.99	(dBm)	(dB)	
90	QPSK	1	1	18.86	19.06	18.82	19.5	0.0	
Channel				638334	641666	644000	Tune-up limit	MPR	
Frequency (MHz)				3660.01	3624.99	3669	(dBm)	(dB)	
80	QPSK	1	1	18.88	19.04	18.80	19.5	0.0	
Channel				638668	641666	644666	Tune-up limit	MPR	
Frequency (MHz)				3650.02	3624.99	3669.99	(dBm)	(dB)	
60	QPSK	1	1	18.91	19.10	18.83	19.5	0.0	
Channel				638334	641666	645000	Tune-up limit	MPR	
Frequency (MHz)				3575.01	3624.99	3675	(dBm)	(dB)	
50	QPSK	1	1	18.91	19.13	18.75	19.5	0.0	
Channel				639500	641666	645332	Tune-up limit	MPR	
Frequency (MHz)				3570	3624.99	3679.98	(dBm)	(dB)	
40	QPSK	1	1	18.95	19.08	18.79	19.5	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3660.01	3624.99	3669	(dBm)	(dB)	
20	QPSK	1	1	18.93	19.12	18.84	19.5	0.0	
Channel				637668	641666	646166	Tune-up limit	MPR	
Frequency (MHz)				3557.52	3624.99	3692.49	(dBm)	(dB)	
15	QPSK	1	1	18.94	19.09	18.86	19.5	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3555	3624.99	3694.98	(dBm)	(dB)	
10	QPSK	1	1	18.89	19.02	18.77	19.5	0.0	



Part270 n77 PC2&PC3 Ant5 SA DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power	Power	Power	Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Mid-High Ch. / Freq.	High Ch. / Freq.			
Channel				650000	656000	662000			
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.09	17.12	16.99	18.0	0.0	
100	PI2 BPSK	1	137	16.32	16.45	16.39			
100	PI2 BPSK	1	271	16.28	16.41	16.28			
100	PI2 BPSK	135	0	16.86	16.98	16.85	18.0	0.0	
100	PI2 BPSK	136	69	17.02	17.13	17.06	18.0	0.0	
100	PI2 BPSK	136	136	16.95	16.99	16.89	18.0	0.0	
100	PI2 BPSK	270	0	16.95	17.02	16.98	18.0	0.0	
100	QPSK	1	1	16.48	16.52	16.41	18.0	0.0	
100	QPSK	1	137	17.09	17.16	17.13			
100	QPSK	1	271	16.37	16.44	16.36			
100	QPSK	135	0	16.93	17.01	16.98	18.0	0.0	
100	QPSK	135	69	16.97	17.08	17.03	18.0	0.0	
100	QPSK	136	136	16.87	16.91	16.76	18.0	0.0	
100	QPSK	270	0	16.86	16.96	16.91	18.0	0.0	
100	16QAM	1	1	16.23	16.27	16.21	18.0	0.0	
100	64QAM	1	1	16.11	16.15	16.09	18.0	0.0	
100	256QAM	1	1	16.63	16.76	16.66	18.0	0.0	
Channel				646666	656000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)	
90	QPSK	1	1	17.05	17.05	17.12	18.0	0.0	
Channel				646334	656000	662666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)	
80	QPSK	1	1	17.14	17.12	17.11	18.0	0.0	
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)	
70	QPSK	1	1	17.03	17.10	17.12	18.0	0.0	
Channel				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)	
60	QPSK	1	1	17.11	17.04	17.12	18.0	0.0	
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)	
50	QPSK	1	1	17.11	17.08	17.05	18.0	0.0	
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)	
40	QPSK	1	1	17.14	17.03	17.05	18.0	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	(dBm)	(dB)	
20	QPSK	1	1	17.08	17.07	17.14	18.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	(dBm)	(dB)	
15	QPSK	1	1	17.10	17.09	17.14	18.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)	
10	QPSK	1	1	17.07	17.10	17.04	18.0	0.0	

Part270Q n77 PC2&PC3 Ant5 SA DSI7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI2 BPSK	1	1	17.19			18.0	0.0	
100	PI2 BPSK	1	137	16.16					
100	PI2 BPSK	1	271	16.83					
100	PI2 BPSK	135	0	17.03			18.0	0.0	
100	PI2 BPSK	136	69	17.14			18.0	0.0	
100	PI2 BPSK	136	136	16.99			18.0	0.0	
100	PI2 BPSK	270	0	17.06			18.0	0.0	
100	QPSK	1	1	16.21			18.0	0.0	
100	QPSK	1	137	17.25					
100	QPSK	1	271	16.55					
100	QPSK	135	0	17.08			18.0	0.0	
100	QPSK	135	69	17.20			18.0	0.0	
100	QPSK	136	136	17.09			18.0	0.0	
100	QPSK	270	0	17.12			18.0	0.0	
100	16QAM	1	1	16.06			18.0	0.0	
100	64QAM	1	1	16.03			18.0	0.0	
100	256QAM	1	1	16.04			18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.16	17.17	17.15	18.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.11	17.19	17.14	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	1	17.18	17.14	17.12	18.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.14	17.16	17.20	18.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.12	17.11	17.15	18.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.01			
40	QPSK	1	1	17.14	17.13	17.19	18.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3500.01	3530			
20	QPSK	1	1	17.15	17.20	17.14	18.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.15	17.17	17.16	18.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.01			
10	QPSK	1	1	17.21	17.22	17.15	18.0	0.0	

Part270 n78 PC3 Ant5 SA DSI7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Mid-Hi Ch. / Freq. 650000	Power High Ch. / Freq. 650000	MPR (dB)
Channel				3750	3750	3750	
Frequency (MHz)							
100	Pi2 BPSK	1	1	17.18			
100	Pi2 BPSK	1	137	16.45			18.0
100	Pi2 BPSK	1	271	16.61			
100	Pi2 BPSK	135	0	16.78			18.0
100	Pi2 BPSK	135	69	17.16			18.0
100	Pi2 BPSK	135	138	17.03			18.0
100	Pi2 BPSK	270	0	17.07			18.0
100	QPSK	1	1	16.52			
100	QPSK	1	137	17.24			18.0
100	QPSK	1	271	16.69			
100	QPSK	135	0	16.85			18.0
100	QPSK	135	69	17.23			18.0
100	QPSK	135	138	17.04			18.0
100	QPSK	270	0	17.11			18.0
100	16QAM	1	1	16.15			18.0
100	64QAM	1	1	16.09			18.0
100	256QAM	1	1	16.07			18.0
Channel				646668	650000	650334	Tune-up limit MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	
90	QPSK	1	1	17.16	17.19	17.11	18.0
Channel				646334	650000	650668	Tune-up limit MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	
80	QPSK	1	1	17.16	17.16	17.12	18.0
Channel				646000	650000	651000	Tune-up limit MPR (dB)
Frequency (MHz)				3735	3750	3765	
70	QPSK	1	1	17.15	17.10	17.13	18.0
Channel				646668	650000	651334	Tune-up limit MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01	
60	QPSK	1	1	17.13	17.12	17.16	18.0
Channel				646334	650000	651000	Tune-up limit MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	
50	QPSK	1	1	17.12	17.19	17.20	18.0
Channel				646000	650000	652000	Tune-up limit MPR (dB)
Frequency (MHz)				3720	3750	3780	
40	QPSK	1	1	17.20	17.10	17.18	18.0
Channel				647668	650000	652334	Tune-up limit MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01	
30	QPSK	1	1	17.13	17.15	17.11	18.0
Channel				647334	650000	652668	Tune-up limit MPR (dB)
Frequency (MHz)				3710.01	3750	3760.02	
20	QPSK	1	1	17.17	17.17	17.18	18.0
Channel				647000	650000	652334	Tune-up limit MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51	
15	QPSK	1	1	17.12	17.21	17.14	18.0
Channel				647000	650000	653000	Tune-up limit MPR (dB)
Frequency (MHz)				3705	3750	3755	
10	QPSK	1	1	17.15	17.15	17.15	18.0

Part27Q n78 PC3 Ant5 SA DSI7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Mid-Hi Ch. / Freq. 633334	Power High Ch. / Freq. 633668	MPR (dB)
Channel					3500.01		
Frequency (MHz)							
100	Pi2 BPSK	1	1	17.12			
100	Pi2 BPSK	1	137	16.62			18.0
100	Pi2 BPSK	1	271	16.93			
100	Pi2 BPSK	135	0	16.85			18.0
100	Pi2 BPSK	135	69	17.13			18.0
100	Pi2 BPSK	135	138	17.04			18.0
100	Pi2 BPSK	270	0	17.10			18.0
100	QPSK	1	1	16.76			
100	QPSK	1	137	17.18			18.0
100	QPSK	1	271	16.95			
100	QPSK	135	0	16.92			18.0
100	QPSK	135	69	17.11			18.0
100	QPSK	135	138	17.06			18.0
100	QPSK	270	0	17.15			18.0
100	16QAM	1	1	16.33			18.0
100	64QAM	1	1	16.28			18.0
100	256QAM	1	1	16.60			18.0
Channel				633000	633334	633668	Tune-up limit MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	
90	QPSK	1	1	17.14	17.12	17.12	18.0
Channel				632668	633334	634000	Tune-up limit MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	
80	QPSK	1	1	17.05	17.05	17.05	18.0
Channel				632334	633334	634334	Tune-up limit MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	
70	QPSK	1	1	17.08	17.05	17.05	18.0
Channel				632000	633334	634668	Tune-up limit MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	
60	QPSK	1	1	17.04	17.12	17.12	18.0
Channel				631668	633334	635000	Tune-up limit MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	
50	QPSK	1	1	17.11	17.06	17.06	18.0
Channel				631334	633334	635334	Tune-up limit MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	
40	QPSK	1	1	17.08	17.10	17.10	18.0
Channel				631000	633334	635668	Tune-up limit MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	
30	QPSK	1	1	17.10	17.10	17.10	18.0
Channel				630668	633334	636000	Tune-up limit MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	
20	QPSK	1	1	17.05	17.15	17.06	18.0
Channel				630334	633334	636334	Tune-up limit MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	
15	QPSK	1	1	17.13	17.08	17.14	18.0
Channel				630334	633334	636334	Tune-up limit MPR (dB)
Frequency (MHz)				3455.01	3500.01	3543.01	
10	QPSK	1	1	17.14	17.12	17.10	18.0

n41 PC2&PC3 Ant6 SA DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.07	19.26	19.17	20.0	0.0
100	PI/2 BPSK	1	137	19.67	19.76	19.60		
100	PI/2 BPSK	1	271	19.62	19.75	19.59	20.0	0.0
100	PI/2 BPSK	135	0	19.63	19.71	19.58		
100	PI/2 BPSK	135	69	19.69	19.78	19.58	20.0	0.0
100	PI/2 BPSK	135	138	19.64	19.75	19.62		
100	PI/2 BPSK	270	0	19.38	19.55	19.38	20.0	0.0
100	QPSK	1	1	19.42	19.48	19.48		
100	QPSK	1	137	19.92	19.94	19.91	20.0	0.0
100	QPSK	1	271	19.66	19.76	19.55		
100	QPSK	135	0	19.68	19.75	19.57	20.0	0.0
100	QPSK	135	69	19.61	19.80	19.58		
100	QPSK	135	138	19.62	19.73	19.57	20.0	0.0
100	QPSK	270	0	19.48	19.49	19.38		
100	16QAM	1	1	19.12	19.24	19.15	20.0	0.0
100	64QAM	1	1	19.29	19.33	19.22		
100	256QAM	1	1	16.91	16.95	16.89	17.5	2.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.13	19.14	19.04	20.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.08	19.13	19.10	20.0	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	19.07	19.17	19.06	20.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	19.12	19.19	19.09	20.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	19.12	19.18	19.08	20.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	19.09	19.12	19.04	20.0	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	19.06	19.17	19.08	20.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	19.10	19.15	19.03	20.0	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	19.08	19.18	19.04	20.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	19.10	19.12	19.04	20.0	0.0

Part270 n77 PC2&PC3 Ant7 SA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	656000	662000	19.0	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	18.27	18.38	18.29	19.0	0.0	
100	PI2 BPSK	1	137	17.37	17.42	17.35			
100	PI2 BPSK	1	271	17.57	17.63	17.57	19.0	0.0	
100	PI2 BPSK	135	0	18.50	18.54	18.49			
100	PI2 BPSK	135	69	18.59	18.63	18.59	19.0	0.0	
100	PI2 BPSK	135	138	18.24	18.33	18.26			
100	PI2 BPSK	270	0	18.30	18.38	18.29	19.0	0.0	
100	QPSK	1	1	17.38	17.47	17.37			
100	QPSK	1	137	18.60	18.69	18.57	19.0	0.0	
100	QPSK	1	271	17.65	17.68	17.59			
100	QPSK	135	0	18.37	18.46	18.42	19.0	0.0	
100	QPSK	135	69	18.49	18.58	18.53			
100	QPSK	135	138	18.37	18.42	18.38	19.0	0.0	
100	QPSK	270	0	18.36	18.47	18.42			
100	16QAM	1	1	17.17	17.28	17.25	19.0	0.0	
100	64QAM	1	1	17.19	17.22	17.13			
100	256QAM	1	1	17.91	17.94	17.85	19.0	0.0	
Channel				649668	656000	662334		MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	18.64	18.60	18.57	19.0	0.0	
Channel				649334	656000	662668		MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	18.57	18.57	18.55	19.0	0.0	
Channel				649000	656000	663000		MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	18.56	18.61	18.62	19.0	0.0	
Channel				648668	656000	663334		MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	18.61	18.63	18.63	19.0	0.0	
Channel				648334	656000	663668		MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	18.61	18.56	18.63	19.0	0.0	
Channel				648000	656000	664000		MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	18.59	18.58	18.63	19.0	0.0	
Channel				647334	656000	664668		MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	18.63	18.61	18.62	19.0	0.0	
Channel				647168	656000	664834		MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	18.65	18.63	18.61	19.0	0.0	
Channel				647000	656000	665000		MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	18.54	18.59	18.61	19.0	0.0	
Channel									

Part27Q n77 PC2&PC3 Ant7 SA DSI7									
BW [MHz]	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	PI2 BPSK	1	1		18.51		19.0	0.0	
100	PI2 BPSK	1	137		17.68				
100	PI2 BPSK	1	271		17.64		19.0	0.0	
100	PI2 BPSK	135	0		18.20				
100	PI2 BPSK	135	69		18.29		19.0	0.0	
100	PI2 BPSK	135	138		18.06				
100	PI2 BPSK	270	0		18.10		19.0	0.0	
100	QPSK	1	1		17.76				
100	QPSK	1	137		18.57		19.0	0.0	
100	QPSK	1	271		17.69				
100	QPSK	135	0		18.13		19.0	0.0	
100	QPSK	135	69		18.32				
100	QPSK	135	138		18.06		19.0	0.0	
100	QPSK	270	0		18.12				
100	16QAM	1	1		17.51		19.0	0.0	
100	64QAM	1	1		17.48				
100	256QAM	1	1		18.00		19.0	0.0	
Channel				633000	633334	633668		Tune-up limit (dBm)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	18.50	18.46	18.50	19.0	0.0	
Channel				632668	633334	634000		Tune-up limit (dBm)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	18.45	18.43	18.42	19.0	0.0	
Channel				632334	633334	634334		Tune-up limit (dBm)	
Frequency (MHz)				3485.01	3500.01	3513.01			
70	QPSK	1	1	18.53	18.49	18.45	19.0	0.0	
Channel				632000	633334	634668		Tune-up limit (dBm)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	18.51	18.47	18.54	19.0	0.0	
Channel				631668	633334	635000		Tune-up limit (dBm)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.42	18.46	18.45	19.0	0.0	
Channel				631334	633334	635334		Tune-up limit (dBm)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	18.48	18.53	18.44	19.0	0.0	
Channel				630668	633334	636000		Tune-up limit (dBm)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	18.53	18.44	18.52	19.0	0.0	
Channel				630500	633334	636168		Tune-up limit (dBm)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.51	18.50	18.48	19.0	0.0	
Channel				630334	633334	636334		Tune-up limit (dBm)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	18.47	18.49	18.45	19.0	0.0	
Channel									



n2 Ant0 NSA DS17										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				370000	370000	370000				
Frequency (MHz)				1865	1880	1895				
30	P12 BPSK	1	1	12.50	12.54	12.50		14.0	0.0	
30	P12 BPSK	1	80	12.87	12.90	12.81				
30	P12 BPSK	1	156	12.46	12.51	12.38				
30	P12 BPSK	80	0	12.63	12.76	12.68	14.0	0.0	0.0	
30	P12 BPSK	80	40	12.70	12.82	12.73				
30	P12 BPSK	80	80	12.46	12.80	12.51	14.0			
30	P12 BPSK	160	0	12.69	12.73	12.63		0.0	0.0	
30	QPSK	1	1	12.42	12.56	12.48				
30	QPSK	1	80	12.77	12.86	12.82	14.0			
30	QPSK	1	156	12.42	12.45	12.44	14.0	0.0	0.0	
30	QPSK	80	0	12.65	12.70	12.63	14.0			
30	QPSK	80	40	12.72	12.78	12.69	14.0			
30	QPSK	80	80	12.48	12.82	12.57	14.0	0.0	0.0	
30	QPSK	160	0	12.62	12.67	12.54				
30	16QAM	1	1	12.28	12.35	12.25	14.0			
30	64QAM	1	1	12.24	12.31	12.20	14.0	0.0	0.0	
30	256QAM	1	1	12.82	12.88	12.74	14.0			
Channel				370000	370000	370000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	12.38	12.52	12.45	14.0	0.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	P12 BPSK	1	1	12.48	12.50	12.45		14.0	0.0	
20	P12 BPSK	1	53	12.81	12.84	12.74				
20	P12 BPSK	1	104	12.39	12.47	12.32	14.0			
20	P12 BPSK	50	0	12.58	12.70	12.64	14.0	0.0	0.0	
20	P12 BPSK	50	28	12.65	12.77	12.67	14.0			
20	P12 BPSK	50	56	12.40	12.53	12.48	14.0			
20	P12 BPSK	100	0	12.63	12.68	12.58		0.0	0.0	
20	QPSK	1	1	12.38	12.52	12.41				
20	QPSK	1	53	12.74	12.90	12.77	14.0			
20	QPSK	1	104	12.35	12.43	12.38		0.0	0.0	
20	QPSK	50	0	12.61	12.66	12.57	23.0			
20	QPSK	50	28	12.68	12.73	12.63	24.0			
20	QPSK	50	56	12.45	12.58	12.52	23.0	1.0	1.0	
20	QPSK	100	0	12.55	12.61	12.51				
20	16QAM	1	1	12.24	12.32	12.18	14.0			
20	64QAM	1	1	12.18	12.28	12.17	14.0	0.0	0.0	
20	256QAM	1	1	12.76	12.84	12.69	14.0			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	12.66	12.85	12.72	14.0	0.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1905				
10	QPSK	1	1	12.66	12.86	12.71	14.0	0.0	0.0	
Channel				370500	376000	375500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1907.5				
5	QPSK	1	1	12.69	12.82	12.77	14.0			

n5 Ant0 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tuneup limit (dBm)	MPR (db)		
Channel				167000	167000					
Frequency (MHz)				836.5						
25	P12 BPSK	1	1	22.52			24.0	0.0		
25	P12 BPSK	1	80	22.73						
25	P12 BPSK	1	156	22.69						
25	P12 BPSK	80	0	22.37			23.5	0.5	0.5	
25	P12 BPSK	80	40	22.79			24.0			
25	P12 BPSK	80	80	22.43			23.5			
25	P12 BPSK	160	0	22.47				0.0	0.0	
25	QPSK	1	1	22.76						
25	QPSK	1	80	22.70			24.0			
25	QPSK	1	156	22.65			23.0	1.0	1.0	
25	QPSK	80	0	21.89			23.0			
25	QPSK	80	40	22.90			24.0			
25	QPSK	80	80	21.91			23.0	1.0	1.0	
25	QPSK	160	0	21.95			23.0			
25	16QAM	1	1	21.23			23.0			
25	64QAM	1	1	19.75			21.5	2.5	4.5	
25	256QAM	1	1	18.44			19.5			
Channel				166800	167000	167800	Tune-up limit (dBm)	MPR (db)		
Frequency (MHz)				834	836.5	839				
20	P12 BPSK	1	1	22.47	22.49	22.37		24.0	0.0	
20	P12 BPSK	1	53	22.64	22.68	22.56				
20	P12 BPSK	1	104	22.50	22.60	22.54	23.5			
20	P12 BPSK	50	0	22.15	22.36	22.14	23.5	0.5	0.5	
20	P12 BPSK	50	28	22.64	22.73	22.66	24.0			
20	P12 BPSK	50	56	22.22	22.36	22.31	23.5			
20	P12 BPSK	100	0	22.30	22.43	22.36		0.0	0.0	
20	QPSK	1	1	22.56	22.67	22.57				
20	QPSK	1	53	22.61	22.66	22.55	24.0			
20	QPSK	1	104	22.52	22.58	22.51		23.0	1.0	
20	QPSK	50	0	21.67	21.86	21.77	23.0			
20	QPSK	50	28	22.70	22.87	22.81	24.0			
20	QPSK	50	56	21.81	21.91	21.75	23.0	1.0	1.0	
20	QPSK	100	0	21.88	21.95	21.79	23.0			
20	16QAM	1	1	21.05	21.17	21.12	23.0			
20	64QAM	1	1	19.64	19.69	19.63	21.5	2.5	4.5	
20	256QAM	1	1	18.34	18.36	18.33	19.5			
Channel				166300	167000	168000	Tune-up limit (dBm)	MPR (db)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.58	22.65	22.68	24.0	0.0	0.0	
Channel				166800	167000	168800	Tuneup limit (dBm)	MPR (db)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.68	22.62	22.51	24.0	0.0	0.0	
Channel				166300	167000	168000	Tuneup limit (dBm)	MPR (db)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.67	22.67	22.72	24.0			

n12 Ant0 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				141300	141600	141700				
Frequency (MHz)				706.5	707.5	708.5				
15	P12 BPSK	1	1	22.77	22.83	22.74		24.0	0.0	
15	P12 BPSK	1	40	22.76	22.79	22.69				
15	P12 BPSK	1	77	22.66	22.70	22.58				
15	P12 BPSK	36	0	22.26	22.32	22.23	23.5	0.5	0.5	
15	P12 BPSK	36	22	22.74	22.80	22.71	24.0			
15	P12 BPSK	36	43	22.19	22.33	22.20	23.5			
15	P12 BPSK	75	0	22.28	22.36	22.29		0.0	0.0	
15	QPSK	1	1	22.85	22.87	22.82				
15	QPSK	1	40	22.67	22.75	22.61	24.0			
15	QPSK	1	77	22.63	22.68	22.58		1.0	1.0	
15	QPSK	36	0	21.73	21.79	21.67	23.0			
15	QPSK	36	22	22.76	22.83	22.79	24.0			
15	QPSK	36	43	21.79	21.84	21.79	23.0	1.0	1.0	
15	QPSK	75	0	21.87	21.95	21.83	23.0			
15	16QAM	1	1	21.24	21.36	21.30	23.0			
15	64QAM	1	1	19.99	20.07	19.99	21.5	2.5	4.5	
15	256QAM	1	1	18.56	18.65	18.61	19.5			
Channel				140300	141600	142000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	1	22.77	22.78	22.77	24.0	0.0	0.0	
Channel				140300	141600	142000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704.5	707.5	711.5				
5	QPSK	1	1	22.72	22.76	22.70	24.0	0.0	0.0	
Channel				140300	141600	142000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704.5	707.5	711.5				



n14 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				156100		156100			
Frequency (MHz)				793					
10	PI2 BPSK	1	1	22.56			24.0	0.0	
10	PI2 BPSK	1	28	22.52					
10	PI2 BPSK	1	50	22.44					
10	PI2 BPSK	25	0	22.12			23.5	0.5	
10	PI2 BPSK	25	14	22.36			24.0	0.0	
10	PI2 BPSK	25	27	21.94			23.5	0.5	
10	PI2 BPSK	50	0	22.01					
10	QPSK	1	1	22.58					
10	QPSK	1	28	22.53			24.0	0.0	
10	QPSK	1	50	22.47					
10	QPSK	25	0	21.88			23.0	1.0	
10	QPSK	25	14	22.55			24.0	0.0	
10	QPSK	25	27	21.43			23.0	1.0	
10	QPSK	50	0	21.51			23.0	1.0	
10	16QAM	1	1	21.29					
10	64QAM	1	1	19.84			21.5	2.5	
10	256QAM	1	1	18.54			19.5	4.5	
Channel				156100	156100	156100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				793.5	793	795.5	(dBm)	(dB)	
5	QPSK	1	1	22.44	22.83	22.47	24.0	0.0	

n25 Ant0 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000		376000			
Frequency (MHz)				1970		1975			
40	PI2 BPSK	1	1	12.05	12.14	12.07	14.0	0.0	
40	PI2 BPSK	1	108	12.70	12.83	12.80			
40	PI2 BPSK	1	214	12.09	12.11	12.05			
40	PI2 BPSK	108	0	12.54	12.58	12.49	14.0	0.0	
40	PI2 BPSK	108	54	12.55	12.67	12.53	14.0	0.0	
40	PI2 BPSK	108	108	12.50	12.59	12.52	14.0	0.0	
40	PI2 BPSK	216	0	12.51	12.62	12.55			
40	QPSK	1	1	12.04	12.17	12.05			
40	QPSK	1	108	12.84	12.98	12.78	14.0	0.0	
40	QPSK	1	214	12.04	12.05	12.02			
40	QPSK	108	0	12.51	12.58	12.50	14.0	0.0	
40	QPSK	108	54	12.59	12.70	12.64	14.0	0.0	
40	QPSK	108	108	12.50	12.60	12.49	14.0	0.0	
40	QPSK	216	0	12.57	12.64	12.51	14.0	0.0	
40	16QAM	1	1	12.42	12.48	12.35			
40	64QAM	1	1	12.21	12.35	12.28	14.0	0.0	
40	256QAM	1	1	12.30	12.40	12.31	14.0	0.0	
Channel				372000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1882.5	1900	(dBm)	(dB)	
30	QPSK	1	1	12.72	12.63	12.75	14.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1892.5	(dBm)		
25	QPSK	1	1	12.75	12.76	12.70	14.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1872.5	1920	(dBm)		
20	QPSK	1	1	12.80	12.81	12.65	14.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	(dBm)		
15	QPSK	1	1	12.73	12.80	12.70	14.0	0.0	
Channel				371000	376500	377000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	(dBm)		
10	QPSK	1	1	12.79	12.73	12.72	14.0	0.0	
Channel				370500	376500	377500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	(dBm)		
5	QPSK	1	1	12.78	12.81	12.69	14.0	0.0	

n26 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				166800		166900			
Frequency (MHz)				831		831.5			
20	PI2 BPSK	1	1	22.61	22.73	22.66	24.0	0.0	
20	PI2 BPSK	1	53	22.61	22.69	22.65			
20	PI2 BPSK	1	104	22.61	22.67	22.54			
20	PI2 BPSK	50	0	22.07	22.14	22.08	23.5	0.5	
20	PI2 BPSK	50	28	22.54	22.66	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.21	22.29	22.17	23.5	0.5	
20	PI2 BPSK	100	0	22.24	22.35	22.26			
20	QPSK	1	1	22.73	22.76	22.69			
20	QPSK	1	53	22.67	22.69	22.54	24.0	0.0	
20	QPSK	1	104	22.53	22.64	22.52			
20	QPSK	50	0	21.64	21.67	21.61	23.0	1.0	
20	QPSK	50	28	22.66	22.75	22.71	24.0	0.0	
20	QPSK	50	56	21.70	21.79	21.66	23.0	1.0	
20	QPSK	100	0	21.74	21.82	21.62	23.0	1.0	
20	16QAM	1	1	21.21	21.30	21.16			
20	64QAM	1	1	19.68	19.74	19.71	21.5	2.5	
20	256QAM	1	1	18.41	18.46	18.38	19.5	4.5	
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5	(dBm)		
15	QPSK	1	1	22.59	22.67	22.62	#REF!	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844	(dBm)		
10	QPSK	1	1	22.59	22.63	22.58	#REF!	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5	(dBm)		
5	QPSK	1	1	22.67	22.72	22.59	#REF!	0.0	



n66 Ant0 NSA DS17										
BW [MHz]	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	346000	350000				
Frequency (MHz)				1730	1745	1760				
40	PI2 BPSK	1	1	14.08	14.15	14.11		16.0	0.0	
40	PI2 BPSK	1	108	15.00	15.09	15.02				
40	PI2 BPSK	1	214	14.02	14.09	14.06				
40	PI2 BPSK	108	0	14.31	14.38	14.34	16.0	0.0		
40	PI2 BPSK	108	54	14.80	14.86	14.75	16.0	0.0		
40	PI2 BPSK	108	108	14.27	14.37	14.30	16.0	0.0		
40	PI2 BPSK	216	0	14.33	14.41	14.30	16.0	0.0		
40	QPSK	1	1	14.13	14.18	14.07		16.0	0.0	
40	QPSK	1	108	15.08	15.13	15.09				
40	QPSK	1	214	14.10	14.12	14.06				
40	QPSK	108	0	14.34	14.43	14.30	16.0	0.0		
40	QPSK	108	54	14.88	14.82	14.68	16.0	0.0		
40	QPSK	108	108	14.31	14.42	14.35	16.0	0.0		
40	QPSK	216	0	14.43	14.47	14.37	16.0	0.0		
40	16QAM	1	1	14.13	14.19	14.11	16.0	0.0		
40	64QAM	1	1	14.08	14.15	14.03	16.0	0.0		
40	256QAM	1	1	14.09	14.12	14.06	16.0	0.0		
Channel				346000	346000	352000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725	1745	1765				
30	QPSK	1	1	15.03	15.10	14.96	16.0	0.0		
Channel				344000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1725.5	1745	1761.5				
25	QPSK	1	1	14.95	15.02	15.03	16.0	0.0		
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1720	1743	1763				
20	QPSK	1	1	15.00	15.04	15.00	16.0	0.0		
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1717.5	1745	1772.5				
15	QPSK	1	1	14.04	14.09	14.09	16.0	0.0		
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1715	1745	1775				
10	QPSK	1	1	15.03	15.00	15.00	16.0	0.0		
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1712.5	1745	1777.5				
5	QPSK	1	1	14.94	15.08	15.00	16.0	0.0		

n70 Ant0 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				340000	340000	340000				
Frequency (MHz)				1702.5						
15	PI2 BPSK	1	1	22.48				24.0	0.0	
15	PI2 BPSK	1	40	22.55						
15	PI2 BPSK	1	77	22.40						
15	PI2 BPSK	35	0	22.44			24.0	0.0		
15	PI2 BPSK	35	22	22.51			24.0	0.0		
15	PI2 BPSK	35	43	22.64			24.0	0.0		
15	PI2 BPSK	75	0	22.50						
15	QPSK	1	1	22.73				24.0	0.0	
15	QPSK	1	40	22.61						
15	QPSK	1	77	22.44						
15	QPSK	35	0	22.38			24.0	0.0		
15	QPSK	35	22	22.70			24.0	0.0		
15	QPSK	35	43	22.58			24.0	0.0		
15	QPSK	75	0	22.65						
15	16QAM	1	1	22.49			24.0	0.0		
15	64QAM	1	1	22.08			24.0	0.0		
15	256QAM	1	1	21.45			23.0	1.0		
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1700	1702.5	1705				
10	QPSK	1	1	22.59	22.65	22.63	24.0	0.0		
Channel				339000	340000	341000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1697.5	1702.5	1707.5				
5	QPSK	1	1	22.61	22.63	22.60	24.0	0.0		

n71 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				134600	136100	137600				
Frequency (MHz)				673	680.5	688				
20	PI2 BPSK	1	1	22.67	22.70	22.68		24.0	0.0	
20	PI2 BPSK	1	53	22.49	22.64	22.52				
20	PI2 BPSK	1	104	22.38	22.42	22.33				
20	PI2 BPSK	50	0	22.04	22.09	21.98	23.5	0.5		
20	PI2 BPSK	50	28	22.61	22.68	22.54	24.0	0.0		
20	PI2 BPSK	50	56	22.03	22.06	21.97	23.5	0.5		
20	PI2 BPSK	100	0	22.06	22.11	21.98				
20	QPSK	1	1	22.72	22.77	22.69		24.0	0.0	
20	QPSK	1	53	22.49	22.60	22.52				
20	QPSK	1	104	22.49	22.53	22.45				
20	QPSK	50	0	21.52	21.57	21.45	23.0	1.0		
20	QPSK	50	28	22.73	22.75	22.70	24.0	0.0		
20	QPSK	50	56	21.49	21.61	21.52	23.0	1.0		
20	QPSK	100	0	21.68	21.76	21.72				
20	16QAM	1	1	21.43	21.49	21.35	23.0	1.0		
20	64QAM	1	1	19.79	19.88	19.75	21.5	2.5		
20	256QAM	1	1	18.33	18.46	18.38	19.5	4.5		
Channel				133100	136100	138100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				670.5	680.5	690.5				
15	QPSK	1	1	22.65	22.71	22.62	24.0	0.0		
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				668	680.5	693				
10	QPSK	1	1	22.60	22.73	22.65	24.0	0.0		
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				665.5	680.5	695.5				
5	QPSK	1	1	22.63	22.69	22.62	24.0	0.0		

n7 Ant1 NSA DSI7									
BW [MHz]	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	16.33	16.37	16.30	18.0	0.0	
50	PI/2 BPSK	1	135	16.76	16.88	16.84			
50	PI/2 BPSK	1	268	16.32	16.40	16.29			
50	PI/2 BPSK	135	0	16.65	16.75	16.66			
50	PI/2 BPSK	135	68	16.67	16.73	16.69	18.0	0.0	
50	PI/2 BPSK	135	135	16.62	16.67	16.53	18.0	0.0	
50	PI/2 BPSK	270	0	16.65	16.72	16.58	18.0	0.0	
50	QPSK	1	1	16.85	16.92	16.90			
50	QPSK	1	135	16.34	16.47	16.41			
50	QPSK	1	268	16.31	16.36	16.30			
50	QPSK	135	0	16.60	16.71	16.67	17.0	1.0	
50	QPSK	135	68	16.67	16.77	16.72	18.0	0.0	
50	QPSK	135	135	16.59	16.64	16.55	17.0	1.0	
50	QPSK	270	0	16.63	16.69	16.54			
50	16QAM	1	1	16.10	16.22	16.15			
50	64QAM	1	1	16.02	16.11	16.02			
50	256QAM	1	1	16.69	16.76	16.63	18.0	0.0	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	16.75	16.88	16.81	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	16.77	16.77	16.81	18.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	16.72	16.82	16.76	18.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	PI/2 BPSK	1	1	16.81	16.78	16.85	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	16.74	16.89	16.78	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	16.70	16.84	16.75	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	16.74	16.87	16.83	18.0	0.0	

n30 Ant1 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						462000			
Frequency (MHz)						2310			
10	PI/2 BPSK	1	1		19.45		20.5	0.0	
10	PI/2 BPSK	1	26		19.34				
10	PI/2 BPSK	1	50		19.35				
10	PI/2 BPSK	25	0		19.29				
10	PI/2 BPSK	25	14		19.50		20.5	0.0	
10	PI/2 BPSK	25	27		19.27		20.5	0.0	
10	PI/2 BPSK	50	0		19.40		20.5	0.0	
10	QPSK	1	1		19.52				
10	QPSK	1	26		19.50				
10	QPSK	1	50		19.37				
10	QPSK	25	0		19.45		20.5	0.0	
10	QPSK	25	14		19.47		20.5	0.0	
10	QPSK	25	27		19.32		20.5	0.0	
10	QPSK	50	0		19.41				
10	16QAM	1	1		19.13		20.5	0.0	
10	64QAM	1	1		19.07		20.5	0.0	
10	256QAM	1	1		19.24		20.5	0.0	
Channel				461500	462000	462500	Tune-up limit	MPR	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	
5	QPSK	1	1	19.40	19.47	19.39	20.5	0.0	



n41 PC2&PC3 Ant1 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	528000	17.5	0.0	
Frequency [MHz]				2546.01	2552.99	2640			
100	PB2 BPSK	1	1	16.71	16.87	16.65			
100	PB2 BPSK	1	137	16.69	16.85	16.65			
100	PB2 BPSK	1	271	16.74	16.87	16.79	17.5	0.0	
100	PB2 BPSK	135	0	16.75	16.74	16.64			
100	PB2 BPSK	135	69	16.84	17.12	17.07			
100	PB2 BPSK	135	138	16.80	16.91	16.75			
100	PB2 BPSK	270	0	16.76	16.87	16.92	17.5	0.0	
100	QPSK	1	1	16.78	16.86	16.80			
100	QPSK	1	137	17.06	17.16	17.10			
100	QPSK	1	271	16.77	16.89	16.80			
100	QPSK	135	0	16.78	16.78	16.64	17.5	0.0	
100	QPSK	135	69	17.01	17.10	17.00			
100	QPSK	135	138	16.71	16.87	16.83			
100	QPSK	270	0	16.72	16.87	16.75			
100	16QAM	1	1	16.76	16.88	16.78	17.5	0.0	
100	64QAM	1	1	16.73	16.86	16.80			
100	256QAM	1	1	16.74	16.86	16.76			
Channel				500200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2541	2552.99	2644.98	17.5	0.0	
90	QPSK	1	1	16.75	16.91	16.77			
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2536.02	2562.99	2649.98	17.5	0.0	
80	QPSK	1	1	16.73	16.86	16.80			
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2531.01	2552.99	2605	17.5	0.0	
70	QPSK	1	1	16.76	16.88	16.77			
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2526	2552.99	2609.98	17.5	0.0	
60	QPSK	1	1	16.78	16.88	16.76			
Channel				504202	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2521.02	2552.99	2594.99	17.5	0.0	
50	QPSK	1	1	16.74	16.90	16.78			
Channel				503202	518598	536000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2516.01	2552.99	2610	17.5	0.0	
40	QPSK	1	1	16.75	16.86	16.82			
Channel				502200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2511	2552.99	2674.98	17.5	0.0	
30	QPSK	1	1	16.76	16.88	16.81			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2506.02	2552.99	2679.98	17.5	0.0	
20	QPSK	1	1	16.74	16.85	16.81			
Channel				500100	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2501.5	2552.99	2682.48	17.5	0.0	
15	QPSK	1	1	16.73	16.89	16.82			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2501.01	2552.99	2693	17.5	0.0	
10	QPSK	1	1	16.77	16.95	16.77			



Part270 n77 PC2&PC3 Ant3 NSA DSI7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	11.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	10.10	10.23	10.29	11.0	0.0
100	PI/2 BPSK	1	137	9.29	9.32	9.26		
100	PI/2 BPSK	1	271	9.50	9.58	9.55		
100	PI/2 BPSK	135	0	9.90	9.96	9.96	11.0	0.0
100	PI/2 BPSK	135	69	10.01	10.09	9.94	11.0	0.0
100	PI/2 BPSK	135	138	10.01	10.05	9.99	11.0	0.0
100	PI/2 BPSK	270	0	10.04	10.16	10.14		
100	QPSK	1	1	9.27	9.37	9.14	11.0	0.0
100	QPSK	1	137	10.09	10.31	10.22		
100	QPSK	1	271	9.62	9.75	9.48		
100	QPSK	135	0	9.92	10.00	10.05	11.0	0.0
100	QPSK	135	69	10.05	10.15	10.07	11.0	0.0
100	QPSK	135	138	9.91	10.05	9.97	11.0	0.0
100	QPSK	270	0	10.06	10.13	9.92		
100	16QAM	1	1	9.20	9.28	9.17	11.0	0.0
100	64QAM	1	1	9.16	9.19	9.12	11.0	0.0
100	256QAM	1	1	9.61	9.70	9.68	11.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	10.03	10.17	10.17	11.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	10.05	10.18	10.19	11.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	10.02	10.26	10.09	11.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	9.95	10.24	10.11	11.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	10.01	10.25	10.09	11.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.04	10.21	10.12	11.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.05	10.24	10.17	11.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	10.02	10.16	10.13	11.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	9.94	10.23	10.13	11.0	0.0

Part27Q n77 PC2&PC3 Ant3 NSA DSI7

BW [MHz]	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		11.0	0.0
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		10.51		11.0	0.0
100	PI/2 BPSK	1	137		9.80			
100	PI/2 BPSK	1	271		9.78			
100	PI/2 BPSK	135	0		10.47		11.0	0.0
100	PI/2 BPSK	135	69		10.52		11.0	0.0
100	PI/2 BPSK	135	138		10.29		11.0	0.0
100	PI/2 BPSK	270	0		10.21			
100	QPSK	1	1		9.91		11.0	0.0
100	QPSK	1	137		10.59			
100	QPSK	1	271		9.83			
100	QPSK	135	0		10.48		11.0	0.0
100	QPSK	135	69		10.55		11.0	0.0
100	QPSK	135	138		10.27		11.0	0.0
100	QPSK	270	0		10.29			
100	16QAM	1	1		10.05		11.0	0.0
100	64QAM	1	1		9.84		11.0	0.0
100	256QAM	1	1		10.33		11.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	10.46	10.49	10.50	11.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.49	10.51	10.47	11.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	10.49	10.53	10.46	11.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	10.54	10.47	10.51	11.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.50	10.51	10.54	11.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	10.46	10.46	10.46	11.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.53	10.48	10.50	11.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	10.46	10.44	10.44	11.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	10.44	10.46	10.49	11.0	0.0



n2 Ant4 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				379000	376000	379000			
Frequency (MHz)				1865	1880	1865			
30	P1/2 BPSK	1	1	17.97	18.06	17.96			
30	P1/2 BPSK	1	80	18.40	18.43	18.38			
30	P1/2 BPSK	1	158	17.98	18.02	17.90	19.5	0.0	
30	P1/2 BPSK	80	0	18.11	18.23	18.13			
30	P1/2 BPSK	80	40	18.18	18.32	18.16	19.5	0.0	
30	P1/2 BPSK	80	80	18.02	18.13	18.08			
30	P1/2 BPSK	160	0	18.20	18.25	18.19	19.5	0.0	
30	QPSK	1	1	17.94	18.08	18.04			
30	QPSK	1	80	18.41	18.46	18.37	19.5	0.0	
30	QPSK	1	158	17.94	18.03	17.92			
30	QPSK	80	0	18.22	18.27	18.20	19.5	0.0	
30	QPSK	80	40	18.23	18.30	18.26			
30	QPSK	80	80	18.06	18.11	18.02	19.5	0.0	
30	QPSK	160	0	18.17	18.23	18.13			
30	16QAM	1	1	17.84	17.90	17.75	19.5	0.0	
30	64QAM	1	1	17.73	17.86	17.83			
30	256QAM	1	1	18.28	18.40	18.20	19.5	0.0	
Channel				372000	370000	370000			
Frequency (MHz)				1862.5	1880	1897.5	Tune-up limit (dBm)		
25	QPSK	1	1	17.88	18.05	17.99	19.5	0.0	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900	Tune-up limit (dBm)		
20	P1/2 BPSK	1	1	17.91	17.99	17.92	19.5	0.0	
20	P1/2 BPSK	1	53	18.35	18.37	18.31			
20	P1/2 BPSK	1	104	17.92	17.96	17.84	19.5	0.0	
20	P1/2 BPSK	50	0	18.09	18.18	18.06			
20	P1/2 BPSK	50	28	18.12	18.28	18.14	19.5	0.0	
20	P1/2 BPSK	50	56	17.85	18.09	18.04			
20	P1/2 BPSK	100	0	18.13	18.19	18.13	19.5	0.0	
20	QPSK	1	1	17.88	18.01	17.99			
20	QPSK	1	53	18.35	18.41	18.33	19.5	0.0	
20	QPSK	1	104	17.90	17.99	17.85			
20	QPSK	50	0	18.18	18.24	18.16	23.0	1.0	
20	QPSK	50	28	18.18	18.24	18.20			
20	QPSK	50	56	18.03	18.05	17.96	23.0	1.0	
20	QPSK	100	0	18.12	18.18	18.09			
20	16QAM	1	1	17.79	17.86	17.75	19.5	0.0	
20	64QAM	1	1	17.66	17.82	17.76			
20	256QAM	1	1	18.23	18.36	18.14	19.5	0.0	
Channel				371500	376000	380500			
Frequency (MHz)				1837.5	1880	1902.5	Tune-up limit (dBm)		
15	QPSK	1	1	18.35	18.35	18.33	19.5	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1805	1880	1905	Tune-up limit (dBm)		
10	QPSK	1	1	18.28	18.40	18.25	19.5	0.0	
Channel				370500	376000	375500			
Frequency (MHz)				1802.5	1880	1907.5	Tune-up limit (dBm)		
5	QPSK	1	1	18.35	18.38	18.31	19.5	0.0	

n5 Ant4 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tuneup limit (dBm)	MPR (dB)	
Channel				167300					
Frequency (MHz)				836.5					
25	P1/2 BPSK	1	1	19.76			21.5	0.0	
25	P1/2 BPSK	1	80	20.03					
25	P1/2 BPSK	1	158	19.94			21.5	0.0	
25	P1/2 BPSK	80	0	20.08					
25	P1/2 BPSK	80	40	20.06			21.5	0.0	
25	P1/2 BPSK	80	80	20.12					
25	P1/2 BPSK	160	0	20.15			21.5	0.0	
25	QPSK	1	1	20.18					
25	QPSK	1	80	19.81			21.5	0.0	
25	QPSK	1	158	19.92					
25	QPSK	80	0	20.04			21.5	0.0	
25	QPSK	80	40	20.13					
25	QPSK	80	80	20.09			21.5	0.0	
25	QPSK	160	0	20.11					
25	16QAM	1	1	19.59			21.5	0.0	
25	64QAM	1	1	19.57					
25	256QAM	1	1	18.31			19.5	2.0	
Channel				166800	167300	167800			
Frequency (MHz)				834.5	836.5	839			
20	P1/2 BPSK	1	1	19.64	19.72	19.59	21.5	0.0	
20	P1/2 BPSK	1	53	19.92	19.96	19.89			
20	P1/2 BPSK	1	104	19.84	19.90	19.87	21.5	0.0	
20	P1/2 BPSK	50	0	20.00	20.04	19.90			
20	P1/2 BPSK	50	28	19.87	20.00	19.88	21.5	0.0	
20	P1/2 BPSK	50	56	19.97	20.08	19.96			
20	P1/2 BPSK	100	0	20.00	20.12	20.02	21.5	0.0	
20	QPSK	1	1	19.99	20.11	20.05			
20	QPSK	1	53	19.77	19.75	19.67	21.5	0.0	
20	QPSK	1	104	19.74	19.87	19.77			
20	QPSK	50	0	19.91	20.00	19.90	23.0	1.0	
20	QPSK	50	28	20.01	20.07	19.97			
20	QPSK	50	56	19.96	20.02	19.96	23.0	1.0	
20	QPSK	100	0	19.98	20.04	20.00			
20	16QAM	1	1	19.92	19.94	19.90	21.5	0.0	
20	64QAM	1	1	19.50	19.53	19.47			
20	256QAM	1	1	18.14	18.26	18.12	19.5	2.0	
Channel				166300	167300	168300			
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	19.94	20.15	20.06	21.5	0.0	
Channel				166800	167300	168800			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	19.93	20.11	20.04	21.5	0.0	
Channel				166300	167300	169300			
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	19.92	20.06	19.97	21.5	0.0	

n7 Ant4 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				250500	250700	250900			
Frequency (MHz)				2525	2535	2545			
50	P1/2 BPSK	1	1	18.35	18.41	18.27	19.5	0.0	
50	P1/2 BPSK	1	135	18.68	18.77	18.72			
50	P1/2 BPSK	1	268	18.51	18.55	18.50	19.5	0.0	
50	P1/2 BPSK	135	0	18.45	18.59	18.49			
50	P1/2 BPSK	135	66	18.74	18.77	18.65	19.5	0.0	
50	P1/2 BPSK	135	135	18.69	18.76	18.63			
50	P1/2 BPSK	270	0	18.71	18.79	18.72	19.5	0.0	
50	QPSK	1	1	18.76	18.82	18.72			
50	QPSK	1	135	18.44	18.49	18.47	19.5	0.0	
50	QPSK	1	268	18.52	18.62	18.51			
50	QPSK	135	0	18.45	18.56	18.52	19.5	0.0	
50	QPSK	135	66	18.71	18.81	18.69			
50	QPSK	135	135	18.64	18.72	18.61	19.5	0.0	
50	QPSK	270	0	18.72	18.77	18.65			
50	16QAM	1	1	18.17	18.29	18.24	19.5	0.0	
50	64QAM	1	1	18.09	18.22	18.18			
50	256QAM	1	1	18.07	18.18	18.10	19.5	0.0	
Channel				500100	501000	510000			
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	18.70	18.75	18.62	19.5	0.0	
Channel				503000	505000	511000			
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.61	18.71	18.59	19.5	0.0	
Channel				505000	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.64	18.77	18.59	19.5	0.0	
Channel				507000	510000	512000			
Frequency (MHz)				2510	2535	2560			
20	P1/2 BPSK	1	1	18.70	18.68	18.59	19.5	0.0	
Channel				507500	508000	512500			
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.63	18.76	18.64	19.5	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.66	18.70	18.68	19.5	0.0	
Channel				502500	509000	513500			
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.68	18.72	18.58	19.5	0.0	



n12 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				141300	141500	141700				
Frequency (MHz)				706.5	707.5	708.5				
15	PI2 BPSK	1	1	22.17	22.22	22.09		24.0	0.0	
15	PI2 BPSK	1	47	22.05	22.11	22.05				
15	PI2 BPSK	36	0	21.54	21.63	21.53	23.5			
15	PI2 BPSK	36	22	22.04	22.11	22.06	24.0	0.5		
15	PI2 BPSK	36	43	21.61	21.65	21.60	23.5	0.5		
15	PI2 BPSK	75	0	21.62	21.67	21.52				
15	QPSK	1	1	22.26	22.31	22.24		24.0		0.0
15	QPSK	1	40	22.08	22.14	22.07				
15	QPSK	1	77	22.02	22.10	22.06				
15	QPSK	36	0	21.06	21.11	21.03	23.0	1.0		
15	QPSK	36	22	22.11	22.26	22.17	24.0	0.0		
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0		
15	QPSK	75	0	21.22	21.26	21.23				
15	16QAM	1	1	21.23	21.31	21.16	23.0	1.0		
15	64QAM	1	1	19.59	19.68	19.54	21.5	2.5		
15	256QAM	1	1	17.84	17.95	17.80	19.5	4.5		
Channel				143500	143700	143700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	1	22.17	22.27	22.22	24.0	0.0		
Channel				145300	145600	145700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				709.5	709.5	711.5				
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0		

n25 Ant4 NSA DSI7										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374000	376500	379000				
Frequency (MHz)				1870	1882.5	1895				
40	PI2 BPSK	1	1	17.56	17.63	17.60		19.5	0.0	
40	PI2 BPSK	1	106	18.26	18.35	18.28				
40	PI2 BPSK	1	214	17.61	17.62	17.58				
40	PI2 BPSK	108	0	17.84	18.04	17.94	19.5	0.0		
40	PI2 BPSK	108	54	18.15	18.20	18.14	19.5	0.0		
40	PI2 BPSK	108	106	17.96	18.09	18.05	19.5	0.0		
40	PI2 BPSK	216	0	18.10	18.16	18.02	19.5	0.0		
40	QPSK	1	1	17.53	17.56	17.51		19.5	0.0	
40	QPSK	1	106	18.31	18.39	18.18				
40	QPSK	1	214	17.54	17.55	17.52				
40	QPSK	108	0	17.94	18.07	17.98	19.5	0.0		
40	QPSK	108	54	18.19	18.23	18.09	19.5	0.0		
40	QPSK	108	106	18.01	18.08	18.04	19.5	0.0		
40	QPSK	216	0	18.03	18.11	17.98				
40	16QAM	1	1	17.59	17.63	17.56	19.5	0.0		
40	64QAM	1	1	17.55	17.56	17.53	19.5	0.0		
40	256QAM	1	1	17.62	17.67	17.79	19.5	0.0		
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1882.5	1900				
30	QPSK	1	1	18.20 <td>18.26<td>18.14</td><td>19.5</td><td colspan="2">0.0</td></td>	18.26 <td>18.14</td> <td>19.5</td> <td colspan="2">0.0</td>	18.14	19.5	0.0		
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1892.5				
25	QPSK	1	1	18.24 <td>18.30<td>18.05</td><td>19.5</td><td colspan="2">0.0</td></td>	18.30 <td>18.05</td> <td>19.5</td> <td colspan="2">0.0</td>	18.05	19.5	0.0		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1882.5	1905				
20	QPSK	1	1	18.23 <td>18.33<td>18.09</td><td>19.5</td><td colspan="2">0.0</td></td>	18.33 <td>18.09</td> <td>19.5</td> <td colspan="2">0.0</td>	18.09	19.5	0.0		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1882.5	1907.5				
15	QPSK	1	1	18.21 <td>18.30<td>18.15</td><td>19.5</td><td colspan="2">0.0</td></td>	18.30 <td>18.15</td> <td>19.5</td> <td colspan="2">0.0</td>	18.15	19.5	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1882.5	1910				
10	QPSK	1	1	18.17 <td>18.30<td>18.09</td><td>19.5</td><td colspan="2">0.0</td></td>	18.30 <td>18.09</td> <td>19.5</td> <td colspan="2">0.0</td>	18.09	19.5	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1912.5				
5	QPSK	1	1	18.24 <td>18.34</td> <td>18.07</td> <td>19.5</td> <td colspan="2">0.0</td>	18.34	18.07	19.5	0.0		

n26 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				166800	166300	167600				
Frequency (MHz)				824	831.5	839				
20	PI2 BPSK	1	1	22.32	22.39	22.29		24.0	0.0	
20	PI2 BPSK	1	53	22.26	22.32	22.20				
20	PI2 BPSK	1	104	22.22	22.25	22.15				
20	PI2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5		
20	PI2 BPSK	50	26	22.18	22.22	22.15	24.0	0.0		
20	PI2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5		
20	PI2 BPSK	100	0	21.78	21.86	21.79				
20	QPSK	1	1	22.42	22.45	22.39		24.0	0.0	
20	QPSK	1	53	22.22	22.33	22.25				
20	QPSK	1	104	22.15	22.23	22.11				
20	QPSK	50	0	21.12	21.22	21.07	23.0	1.0		
20	QPSK	50	26	22.23	22.26	22.27	24.0	0.0		
20	QPSK	50	56	21.28	21.37	21.27	23.0	1.0		
20	QPSK	100	0	21.35	21.46	21.41				
20	16QAM	1	1	21.44	21.50	21.43	23.0	1.0		
20	64QAM	1	1	19.72	19.85	19.77	21.5	2.5		
20	256QAM	1	1	18.01	18.10	18.05	19.5	4.5		
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				821.5	831.5	841.5				
15	QPSK	1	1	22.30	22.36	22.34	#REF!	0.0		
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	1	22.30	22.41	22.31	#REF!	0.0		
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	1	22.38	22.31	22.24	#REF!	0.0		



n30 Ant4 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2310					
Frequency (MHz)				17.80					
10	PI2 BPSK	1	1	17.80				19.5	0.0
10	PI2 BPSK	1	28	17.77					
10	PI2 BPSK	1	50	17.73					
10	PI2 BPSK	25	0	17.81				19.5	0.0
10	PI2 BPSK	25	14	17.84				19.5	0.0
10	PI2 BPSK	25	27	17.74				19.5	0.0
10	PI2 BPSK	50	0	17.81					
10	QPSK	1	1	17.89					
10	QPSK	1	28	17.79				19.5	0.0
10	QPSK	1	50	17.76				19.5	0.0
10	QPSK	25	0	17.83					
10	QPSK	25	14	17.86					
10	QPSK	25	27	17.81				19.5	0.0
10	QPSK	50	0	17.83				19.5	0.0
10	16QAM	1	1	17.74				19.5	0.0
10	64QAM	1	1	17.88				19.5	0.0
10	256QAM	1	1	17.62				19.5	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	(dB)
5	QPSK	1	1	17.74	17.86	17.81	19.5	0.0	

n66 Ant4 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1720		1745	1760		
Frequency (MHz)				14.58		14.67	14.57		
40	PI2 BPSK	1	1	14.58	14.67	14.57		16.5	0.0
40	PI2 BPSK	1	108	15.47	15.58	15.47			
40	PI2 BPSK	1	214	14.57	14.63	14.54			
40	PI2 BPSK	108	0	14.79	14.84	14.88	16.5	0.0	
40	PI2 BPSK	108	54	15.23	15.33	15.24	16.5	0.0	
40	PI2 BPSK	108	108	14.79	14.91	14.84	16.5	0.0	
40	PI2 BPSK	216	0	14.93	14.97	14.94	16.5	0.0	
40	QPSK	1	1	14.64	14.71	14.67		16.5	0.0
40	QPSK	1	108	15.62	15.64	15.51			
40	QPSK	1	214	14.52	14.58	14.54			
40	QPSK	108	0	14.90	14.97	14.87	16.5	0.0	
40	QPSK	108	54	15.22	15.35	15.20	16.5	0.0	
40	QPSK	108	108	14.89	14.95	14.85	16.5	0.0	
40	QPSK	216	0	14.95	14.99	14.91	16.5	0.0	
40	16QAM	1	1	14.66	14.71	14.65	16.5	0.0	
40	64QAM	1	1	14.51	14.64	14.59	16.5	0.0	
40	256QAM	1	1	14.50	14.60	14.55	16.5	0.0	
Channel				343500	343900	343300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	(dB)
30	QPSK	1	1	15.52	15.51	15.44	16.5	0.0	
Channel				344500	344900	343900	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1722.5	1745	1762.5	(dBm)	(dB)	(dB)
25	QPSK	1	1	15.55	15.52	15.37	16.5	0.0	
Channel				344000	344000	344000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	(dB)
20	QPSK	1	1	15.53	15.61	15.44	16.5	0.0	
Channel				343500	344000	343500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	(dB)
15	QPSK	1	1	15.43	15.50	15.45	16.5	0.0	
Channel				343000	344000	343000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	(dB)
10	QPSK	1	1	15.55	15.56	15.38	16.5	0.0	
Channel				342500	344000	343500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				1712.5	1745	1772.5	(dBm)	(dB)	(dB)
5	QPSK	1	1	15.50	15.54	15.41	16.5	0.0	

n71 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				136000		136100	137600		
Frequency (MHz)				671		680.5	688		
20	PI2 BPSK	1	1	22.49	22.53	22.40		24.0	0.0
20	PI2 BPSK	1	53	22.37	22.40	22.30			
20	PI2 BPSK	1	104	22.23	22.37	22.29			
20	PI2 BPSK	50	0	21.88	21.98	21.93	23.5	0.5	
20	PI2 BPSK	50	28	22.20	22.33	22.26	24.0	0.0	
20	PI2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5	
20	PI2 BPSK	100	0	21.81	21.95	21.82		24.0	0.0
20	QPSK	1	1	22.51	22.55	22.47			
20	QPSK	1	53	22.36	22.47	22.42			
20	QPSK	1	104	22.24	22.29	22.25		23.0	1.0
20	QPSK	50	0	21.30	21.34	21.23	23.0		
20	QPSK	50	28	22.35	22.43	22.39	24.0	0.0	
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0	
20	QPSK	100	0	21.42	21.45	21.45	23.0	1.0	
20	16QAM	1	1	21.50	21.62	21.54	23.0	1.0	
20	64QAM	1	1	19.96	20.02	19.95	21.5	2.5	
20	256QAM	1	1	18.14	18.20	18.06	19.5	4.5	
Channel				137100	137100	137100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				670.5	680.5	690.5	(dBm)	(dB)	(dB)
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0	
Channel				136000	136100	136000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				668	680.5	693	(dBm)	(dB)	(dB)
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				665.5	681.5	695.5	(dBm)	(dB)	(dB)
5	QPSK	1	1	22.38	22.45	22.35	24.0	0.0	

Part270 n77 PC2&PC3 Ant5 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Mid Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3840	3930			
Frequency (MHz)				13.02	13.15	12.97			
100	Pi2 BPSK	1	1	12.34	12.51	12.37	14.0	0.0	
100	Pi2 BPSK	1	137	12.24	12.45	12.35			
100	Pi2 BPSK	1	271	12.87	13.05	12.86	14.0	0.0	
100	Pi2 BPSK	135	0	13.08	13.14	13.01	14.0	0.0	
100	Pi2 BPSK	135	69	12.97	12.97	12.92			
100	Pi2 BPSK	135	138	12.81	13.07	12.99	14.0	0.0	
100	QPSK	1	1	12.48	12.51	12.48			
100	QPSK	1	137	13.16	13.20	13.11	14.0	0.0	
100	QPSK	1	271	12.33	12.45	12.38			
100	QPSK	135	0	13.00	12.98	12.93	14.0	0.0	
100	QPSK	135	69	12.93	13.06	12.98	14.0	0.0	
100	QPSK	135	138	12.83	12.86	12.82	14.0	0.0	
100	QPSK	270	0	12.85	12.99	12.92			
100	16QAM	1	1	12.30	12.30	12.21	14.0	0.0	
100	64QAM	1	1	12.11	12.20	12.06	14.0	0.0	
100	256QAM	1	1	12.69	12.71	12.73	14.0	0.0	
Channel				649000	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	13.06	13.14	13.03	14.0	0.0	
Channel				649334	650000	652006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3743.01	3840	3940.02			
80	QPSK	1	1	13.03	13.11	13.05	14.0	0.0	
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725	3840	3945			
70	QPSK	1	1	13.05	13.15	13.05	14.0	0.0	
Channel				648606	650000	653334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	13.05	13.09	13.04	14.0	0.0	
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	13.06	13.07	13.06	14.0	0.0	
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1	13.12	13.12	13.02	14.0	0.0	
Channel				647334	650000	654886	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	13.03	13.08	13.08	14.0	0.0	
Channel				647168	650000	654334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3670.52	3840	3972.51			
15	QPSK	1	1	13.13	13.13	13.03	14.0	0.0	
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	13.06	13.06	13.04	14.0	0.0	

Part27Q n77 PC2&PC3 Ant5 NSA DSI7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Mid Ch. / Freq. 633334	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)	
Channel					3500.01				
Frequency (MHz)					13.22				
100	Pi2 BPSK	1	1		13.18		14.0	0.0	
100	Pi2 BPSK	1	137						
100	Pi2 BPSK	1	271		12.49				
100	Pi2 BPSK	135	0		13.03		14.0	0.0	
100	Pi2 BPSK	135	69		13.09		14.0	0.0	
100	Pi2 BPSK	135	138		12.95				
100	Pi2 BPSK	270	0		13.01				
100	QPSK	1	1		12.49				
100	QPSK	1	137		13.31		14.0	0.0	
100	QPSK	1	271		12.51				
100	QPSK	135	0		13.14		14.0	0.0	
100	QPSK	135	69		13.17		14.0	0.0	
100	QPSK	135	138		13.05		14.0	0.0	
100	QPSK	270	0		13.05				
100	16QAM	1	1		12.08		14.0	0.0	
100	64QAM	1	1		12.05		14.0	0.0	
100	256QAM	1	1		12.64		14.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02			
90	QPSK	1	1	13.21	13.24	13.23	14.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
80	QPSK	1	1	13.21	13.19	13.28	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	1	13.24	13.25	13.27	14.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	13.20	13.20	13.16	14.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	13.26	13.25	13.22	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	1	13.26	13.27	13.20	14.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	13.26	13.25	13.17	14.0	0.0	
Channel				630200	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	13.21	13.18	13.19	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	1	13.19	13.18	13.26	14.0	0.0	



Part270 n78 PC3 Ant5 NSA DSI7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				650000	650000	650000	
Frequency (MHz)				3750	3750	3750	
100	Pi2 BPSK	1	1	13.16			14.0
100	Pi2 BPSK	1	137				
100	Pi2 BPSK	1	271		12.65		
100	Pi2 BPSK	135	0		12.74		14.0
100	Pi2 BPSK	135	69		13.18		14.0
100	Pi2 BPSK	135	135		12.96		14.0
100	Pi2 BPSK	270	0		13.11		14.0
100	QPSK	1	1		12.58		14.0
100	QPSK	1	137		13.24		
100	QPSK	1	271		12.71		
100	QPSK	135	0		12.85		14.0
100	QPSK	135	69		13.22		14.0
100	QPSK	135	135		13.02		14.0
100	QPSK	270	0		13.03		14.0
100	16QAM	1	1		12.20		14.0
100	64QAM	1	1		12.12		14.0
100	256QAM	1	1		12.62		14.0
Channel				649968	650000	650034	Tune-up limit (dBm)
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)
90	QPSK	1	1	13.18	13.21	13.14	14.0
Channel				649334	650000	650668	Tune-up limit (dBm)
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)
80	QPSK	1	1	13.12	13.14	13.17	14.0
Channel				649000	650000	651000	Tune-up limit (dBm)
Frequency (MHz)				3735	3750	3765	MPR (dB)
70	QPSK	1	1	13.11	13.19	13.19	14.0
Channel				648968	650000	651334	Tune-up limit (dBm)
Frequency (MHz)				3730.02	3750	3770.01	MPR (dB)
60	QPSK	1	1	13.21	13.12	13.20	14.0
Channel				648334	650000	651668	Tune-up limit (dBm)
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)
50	QPSK	1	1	13.11	13.16	13.13	14.0
Channel				648000	650000	652000	Tune-up limit (dBm)
Frequency (MHz)				3720	3750	3780	MPR (dB)
40	QPSK	1	1	13.17	13.19	13.15	14.0
Channel				647668	650000	652334	Tune-up limit (dBm)
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)
30	QPSK	1	1	13.10	13.12	13.19	14.0
Channel				647334	650000	652668	Tune-up limit (dBm)
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)
20	QPSK	1	1	13.21	13.11	13.13	14.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)
15	QPSK	1	1	13.15	13.15	13.10	14.0
Channel				647000	650000	653000	Tune-up limit (dBm)
Frequency (MHz)				3705	3750	3795	MPR (dB)
10	QPSK	1	1	13.09	13.13	13.16	14.0

Part27Q n78 Ant5 NSA PC3 DSI7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dBm)	MPR (dB)
Channel					653334			
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	13.33			14.0	0.0
100	Pi2 BPSK	1	137		13.11			
100	Pi2 BPSK	1	271		13.14			
100	Pi2 BPSK	135	0		13.02		14.0	0.0
100	Pi2 BPSK	135	69		13.35		14.0	0.0
100	Pi2 BPSK	135	135		13.29		14.0	0.0
100	Pi2 BPSK	270	0		13.26		14.0	0.0
100	QPSK	1	1		13.05		14.0	0.0
100	QPSK	1	137		13.41			
100	QPSK	1	271		13.13			
100	QPSK	135	0		13.14		14.0	0.0
100	QPSK	135	69		13.27		14.0	0.0
100	QPSK	135	135		13.25		14.0	0.0
100	QPSK	270	0		13.30		14.0	0.0
100	16QAM	1	1		12.84		14.0	0.0
100	64QAM	1	1		12.47			
100	256QAM	1	1		12.86			
Channel				653000	653334	653668	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.31	13.35	13.35	14.0	0.0
Channel				652668	653334	654000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	13.32	13.33	13.34	14.0	0.0
Channel				652334	653334	654334	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.27	13.34	13.34	14.0	0.0
Channel				652000	653334	654668	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.29	13.28	13.28	14.0	0.0
Channel				651668	653334	655000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.27	13.35	13.35	14.0	0.0
Channel				651334	653334	655334	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3528.01		
40	QPSK	1	1	13.38	13.34	13.34	14.0	0.0
Channel				651000	653334	655668	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.39	13.35	13.35	14.0	0.0
Channel				650668	653334	656000	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.31	13.37	13.37	14.0	0.0
Channel				650334	653334	656334	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3542.92		
15	QPSK	1	1	13.33	13.31	13.31	14.0	0.0
Channel				650334	653334	656334	Time-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.01	3500.01	3545.01		
10	QPSK	1	1	13.35	13.29	13.29	14.0	0.0



n2 Ant0 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37000	37000	37000			
Frequency (MHz)									
30	P12 BPSK	1	1	17.10	17.14	17.02			
30	P12 BPSK	1	80	17.34	17.44	17.29	18.5	0.0	
30	P12 BPSK	1	158	16.98	17.10	17.01			
30	P12 BPSK	80	0	17.19	17.32	17.26	18.5	0.0	
30	P12 BPSK	80	40	17.30	17.35	17.31	18.5	0.0	
30	P12 BPSK	80	80	17.05	17.15	17.08	18.5	0.0	
30	P12 BPSK	160	0	17.16	17.30	17.17			
30	QPSK	1	1	16.97	17.11	17.09			
30	QPSK	1	80	17.44	17.50	17.40	18.5	0.0	
30	QPSK	1	158	16.96	17.03	16.91			
30	QPSK	80	0	17.23	17.26	17.22	18.5	0.0	
30	QPSK	80	40	17.19	17.33	17.26	18.5	0.0	
30	QPSK	80	80	17.05	17.16	17.09	18.5	0.0	
30	QPSK	160	0	17.11	17.25	17.17			
30	16QAM	1	1	16.75	16.88	16.82	18.5	0.0	
30	64QAM	1	1	16.88	16.92	16.78	18.5	0.0	
30	256QAM	1	1	17.11	17.16	17.06	18.5	0.0	
Channel				37200	37600	37500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.94	17.00	16.97.5	18.5	0.0	
Channel				37200	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	17.03	17.08	16.95			
20	P12 BPSK	1	53	17.27	17.40	17.22	18.5	0.0	
20	P12 BPSK	1	104	16.92	17.05	16.96			
20	P12 BPSK	50	0	17.14	17.28	17.19	18.5	0.0	
20	P12 BPSK	50	28	17.25	17.29	17.18	18.5	0.0	
20	P12 BPSK	50	56	16.99	17.10	17.02	18.5	0.0	
20	P12 BPSK	100	0	17.12	17.25	17.12			
20	QPSK	1	1	16.90	17.05	17.03			
20	QPSK	1	53	17.38	17.46	17.35	18.5	0.0	
20	QPSK	1	104	16.90	16.99	16.88			
20	QPSK	50	0	17.19	17.20	17.17	23.0	1.0	
20	QPSK	50	28	17.12	17.26	17.18	23.0	0.0	
20	QPSK	50	56	16.99	17.12	17.05	23.0	1.0	
20	QPSK	100	0	17.04	17.18	17.10			
20	16QAM	1	1	16.69	16.83	16.76	18.5	0.0	
20	64QAM	1	1	16.84	16.86	16.74	18.5	0.0	
20	256QAM	1	1	17.06	17.10	17.01	18.5	0.0	
Channel				37150	37600	38050	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	17.23	17.35	17.27	18.5	0.0	
Channel				37100	37600	38100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	17.32	17.41	17.31	18.5	0.0	
Channel				37050	37600	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	17.39	17.44	17.28	18.5	0.0	

Reduced Power Mode for Sensor on for 5GNR									
n5 Ant0 SA 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)									
25	P12 BPSK	1	1			22.52			
25	P12 BPSK	1	80			22.73	24.0	0.0	
25	P12 BPSK	1	158			22.69			
25	P12 BPSK	80	0			22.37	23.5	0.5	
25	P12 BPSK	80	40			22.78	24.0	0.0	
25	P12 BPSK	80	80			22.43	23.5	0.5	
25	P12 BPSK	160	0			22.47			
25	QPSK	1	1			22.76			
25	QPSK	1	80			22.70	24.0	0.0	
25	QPSK	1	158			22.65			
25	QPSK	80	0			21.89	23.0	1.0	
25	QPSK	80	40			22.90	24.0	0.0	
25	QPSK	80	80			21.91	23.0	1.0	
25	QPSK	160	0			21.98			
25	16QAM	1	1			21.23	23.0	1.0	
25	64QAM	1	1			19.75	21.5	2.5	
25	256QAM	1	1			18.44	19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	22.47	22.49	22.37			
20	P12 BPSK	1	53	22.64	22.68	22.56	24.0	0.0	
20	P12 BPSK	1	104	22.50	22.60	22.54			
20	P12 BPSK	50	0	22.15	22.36	22.14	23.5	0.5	
20	P12 BPSK	50	28	22.64	22.73	22.66	24.0	0.0	
20	P12 BPSK	50	56	22.22	22.36	22.31	23.5	0.5	
20	P12 BPSK	100	0	22.30	22.43	22.36			
20	QPSK	1	1	22.56	22.67	22.57			
20	QPSK	1	53	22.61	22.68	22.55	24.0	0.0	
20	QPSK	1	104	22.52	22.58	22.51			
20	QPSK	50	0	21.67	21.86	21.77	23.0	1.0	
20	QPSK	50	28	22.70	22.87	22.81	24.0	0.0	
20	QPSK	50	56	21.81	21.91	21.75	23.0	1.0	
20	QPSK	100	0	21.88	21.95	21.79	23.0	1.0	
20	16QAM	1	1	21.05	21.17	21.12	23.0	1.0	
20	64QAM	1	1	19.84	19.89	19.83	21.5	2.5	
20	256QAM	1	1	18.34	18.36	18.33	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.58	22.65	22.68	24.0	0.0	
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.68	22.62	22.51	24.0	0.0	
Channel				166300	167900	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.67	22.67	22.72	24.0	0.0	

n12 Ant0 SA 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				141300	141900	141700			
Frequency (MHz)									
15	P12 BPSK	1	1	22.77	22.83	22.74			
15	P12 BPSK	1	40	22.76	22.79	22.69	24.0	0.0	
15	P12 BPSK	1	77	22.66	22.70	22.58			
15	P12 BPSK	36	0	22.26	22.32	22.23	23.5	0.5	
15	P12 BPSK	36	22	22.74	22.80	22.71	24.0	0.0	
15	P12 BPSK	36	43	22.19	22.33	22.20	23.5	0.5	
15	P12 BPSK	75	0	22.28	22.36	22.29			
15	QPSK	1	1	22.85	22.87	22.82			
15	QPSK	1	40	22.67	22.75	22.61	24.0	0.0	
15	QPSK	1	77	22.63	22.68	22.58			
15	QPSK	36	0	21.73	21.79	21.67	23.0	1.0	
15	QPSK	36	22	22.76	22.83	22.79	24.0	0.0	
15	QPSK	36	43	21.79	21.84	21.79	23.0	1.0	
15	QPSK	75	0	21.87	21.88	21.83			
15	16QAM	1	1	21.24	21.36	21.30	23.0	1.0	
15	64QAM	1	1	19.99	20.07	19.99	21.5	2.5	
15	256QAM	1	1	18.58	18.65	18.61	19.5	4.5	
Channel				140500	141500	142000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	22.77	22.76	22.77	24.0	0.0	
Channel				140300	141000	142000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.72	22.76	22.70	24.0	0.0	



n14 Ant0 SA 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				158100	158500	159100			
Frequency (MHz)				72.5					
10	PI2 BPSK	1	1	22.56					
10	PI2 BPSK	1	26	22.52			24.0	0.0	
10	PI2 BPSK	1	50	22.44					
10	PI2 BPSK	25	0	22.12			23.5	0.5	
10	PI2 BPSK	25	14	22.56			24.0	0.0	
10	PI2 BPSK	25	27	21.94					
10	PI2 BPSK	50	0	22.01			23.5	0.5	
10	QPSK	1	1	22.58					
10	QPSK	1	26	22.53			24.0	0.0	
10	QPSK	1	50	22.47					
10	QPSK	25	0	21.58			23.0	1.0	
10	QPSK	25	14	22.55			24.0	0.0	
10	QPSK	25	27	21.43					
10	QPSK	50	0	21.50			23.0	1.0	
10	16QAM	1	1	21.29			23.0	1.0	
10	64QAM	1	1	19.84			21.5	2.5	
10	256QAM	1	1	18.54			19.5	4.5	
Channel				158100	158500	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	796.5			
5	QPSK	1	1	22.44	22.53	22.47	24.0	0.0	

n25 Ant0 SA DS13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000			
Frequency (MHz)				1670	1692.5	1695			
40	PI2 BPSK	1	1	16.75	16.82	16.74			
40	PI2 BPSK	1	108	17.22	17.26	17.25	18.5	0.0	
40	PI2 BPSK	1	214	16.73	16.79	16.76			
40	PI2 BPSK	108	0	17.17	17.24	17.13	18.5	0.0	
40	PI2 BPSK	108	54	17.36	17.39	17.34	18.5	0.0	
40	PI2 BPSK	108	108	17.25	17.33	17.23	18.5	0.0	
40	PI2 BPSK	216	0	17.20	17.31	17.22			
40	QPSK	1	1	16.78	16.81	16.75			
40	QPSK	1	108	17.25	17.41	17.39	18.5	0.0	
40	QPSK	1	214	16.72	16.81	16.77			
40	QPSK	108	0	17.21	17.27	17.16	18.5	0.0	
40	QPSK	108	54	17.34	17.45	17.39	18.5	0.0	
40	QPSK	108	108	17.17	17.29	17.22			
40	QPSK	216	0	17.24	17.36	17.30	18.5	0.0	
40	16QAM	1	1	16.80	16.89	16.83	18.5	0.0	
40	64QAM	1	1	16.78	16.83	16.73	18.5	0.0	
40	256QAM	1	1	17.02	17.10	16.97	18.5	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1665	1682.5	1690			
30	QPSK	1	1	17.21	17.36	17.31	18.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1682.5	1692.5	1692.5			
25	QPSK	1	1	17.18	17.33	17.26	18.5	0.0	
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1660	1682.5	1695			
20	QPSK	1	1	17.20	17.30	17.34	18.5	0.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1657.5	1682.5	1697.5			
15	QPSK	1	1	17.11	17.29	17.29	18.5	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1655	1682.5	1910			
10	QPSK	1	1	17.16	17.31	17.29	18.5	0.0	
Channel				370500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1652.5	1682.5	1912.5			
5	QPSK	1	1	17.19	17.27	17.33	18.5	0.0	

n26 Ant0 SA 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				164800	166300	167800			
Frequency (MHz)				814	831.5	831.5			
20	PI2 BPSK	1	1	22.61	22.73	22.66			
20	PI2 BPSK	1	63	22.61	22.69	22.65	24.0	0.0	
20	PI2 BPSK	1	104	22.61	22.67	22.54			
20	PI2 BPSK	50	0	22.07	22.14	22.08	23.5	0.5	
20	PI2 BPSK	50	26	22.54	22.66	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.21	22.29	22.17	23.5	0.5	
20	PI2 BPSK	100	0	22.24	22.35	22.26			
20	QPSK	1	1	22.73	22.76	22.69			
20	QPSK	1	63	22.57	22.69	22.54	24.0	0.0	
20	QPSK	1	104	22.53	22.64	22.52			
20	QPSK	50	0	21.64	21.67	21.61	23.0	1.0	
20	QPSK	50	26	22.66	22.75	22.71	24.0	0.0	
20	QPSK	50	86	21.70	21.79	21.66			
20	QPSK	100	0	21.74	21.82	21.62	23.0	1.0	
20	16QAM	1	1	21.21	21.30	21.16	23.0	1.0	
20	64QAM	1	1	19.68	19.74	19.71	21.5	2.5	
20	256QAM	1	1	18.41	18.46	18.38	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	22.59	22.67	22.62	#REF!	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.58	22.63	22.58	#REF!	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.67	22.72	22.59	#REF!	0.0	

n66 Ant0 SA DSI3									
BW [MHz]	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	352000			
Frequency (MHz)				1740	1745	1750			
40	PI2 BPSK	1	1	18.10	18.13	18.02			
40	PI2 BPSK	1	108	19.00	19.07	18.96	20.0	0.0	
40	PI2 BPSK	1	214	18.01	18.08	18.05			
40	PI2 BPSK	108	0	18.32	18.41	18.28	20.0	0.0	
40	PI2 BPSK	108	54	18.77	18.83	18.72	20.0	0.0	
40	PI2 BPSK	108	108	18.27	18.38	18.23			
40	PI2 BPSK	216	0	18.37	18.40	18.27	20.0	0.0	
40	QPSK	1	1	18.12	18.18	18.16			
40	QPSK	1	108	18.93	19.10	18.99	20.0	0.0	
40	QPSK	1	214	18.06	18.12	18.09			
40	QPSK	108	0	18.20	18.34	18.22	20.0	0.0	
40	QPSK	108	54	18.81	18.88	18.85	20.0	0.0	
40	QPSK	108	108	18.18	18.32	18.19	20.0	0.0	
40	QPSK	216	0	18.24	18.36	18.29			
40	16QAM	1	1	18.03	18.17	18.04	20.0	0.0	
40	64QAM	1	1	18.81	18.13	18.09	20.0	0.0	
40	256QAM	1	1	18.37	18.48	18.34	20.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.88	19.00	18.81	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.84	19.04	18.77	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.79	18.96	18.77	20.0	0.0	
Channel				343800	349000	354800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.89	18.97	18.89	20.0	0.0	
Channel				343900	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.78	19.03	18.85	20.0	0.0	
Channel				345000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.88	19.01	18.82	20.0	0.0	

n70 Ant0 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000	340500				
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	18.15					
15	PI2 BPSK	1	40	19.35			20.5	0.0	
15	PI2 BPSK	1	77	19.29					
15	PI2 BPSK	36	0	19.13			20.5	0.0	
15	PI2 BPSK	36	22	19.31			20.5	0.0	
15	PI2 BPSK	36	43	19.38			20.5	0.0	
15	PI2 BPSK	75	0	19.24					
15	QPSK	1	1	19.40			20.5	0.0	
15	QPSK	1	40	19.32					
15	QPSK	1	77	19.26					
15	QPSK	36	0	19.14			20.5	0.0	
15	QPSK	36	22	19.33			20.5	0.0	
15	QPSK	36	43	19.20			20.5	0.0	
15	QPSK	75	0	19.25			20.5	0.0	
15	16QAM	1	1	18.98			20.5	0.0	
15	64QAM	1	1	18.91			20.5	0.0	
15	256QAM	1	1	19.23			20.5	0.0	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	19.29	19.32	19.34	20.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	19.27	19.28	19.28	20.5	0.0	

n71 Ant0 SA 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				134600	136100	137600			
Frequency (MHz)				673	683.5	693			
20	PI2 BPSK	1	1	22.67	22.70	22.58			
20	PI2 BPSK	1	63	22.49	22.64	22.52	24.0	0.0	
20	PI2 BPSK	1	194	22.38	22.42	22.33			
20	PI2 BPSK	60	0	22.94	22.99	21.98	23.5	0.5	
20	PI2 BPSK	60	28	22.61	22.68	22.54	24.0	0.0	
20	PI2 BPSK	60	56	22.03	22.06	21.97	23.5	0.5	
20	PI2 BPSK	100	0	22.06	22.11	21.98			
20	QPSK	1	1	22.72	22.77	22.69			
20	QPSK	1	63	22.49	22.60	22.52	24.0	0.0	
20	QPSK	1	194	22.49	22.53	22.45			
20	QPSK	60	0	21.82	21.87	21.45	23.0	1.0	
20	QPSK	60	28	22.73	22.75	22.70	24.0	0.0	
20	QPSK	60	56	21.49	21.61	21.52	23.0	1.0	
20	QPSK	100	0	21.68	21.76	21.72	23.0	1.0	
20	16QAM	1	1	21.43	21.49	21.35	23.0	1.0	
20	64QAM	1	1	19.79	19.88	19.75	21.5	2.5	
20	256QAM	1	1	19.33	19.46	19.38	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.65	22.71	22.62	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				669	680.5	693			
10	QPSK	1	1	22.60	22.73	22.55	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.63	22.69	22.62	24.0	0.0	

n7 Ant1 SA DSI3									
BW [MHz]	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	21.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	19.61	19.67	19.58			
50	PI/2 BPSK	1	135	20.05	20.14	20.00	21.0	0.0	
50	PI/2 BPSK	1	268	19.71	19.76	19.73			
50	PI/2 BPSK	135	0	19.92	20.03	19.93			
50	PI/2 BPSK	135	68	19.92	19.99	19.95	21.0	0.0	
50	PI/2 BPSK	135	135	19.96	20.02	19.89	21.0	0.0	
50	PI/2 BPSK	270	0	19.97	20.08	19.94			
50	QPSK	1	1	20.12	20.17	20.13			
50	QPSK	1	135	19.67	19.75	19.88	21.0	0.0	
50	QPSK	1	268	19.63	19.71	19.67	21.0	0.0	
50	QPSK	135	0	19.92	20.06	19.95			
50	QPSK	135	68	20.04	20.15	20.10			
50	QPSK	135	135	19.87	19.95	19.85	21.0	0.0	
50	QPSK	270	0	19.99	20.05	20.02			
50	16QAM	1	1	19.35	19.46	19.40	21.0	0.0	
50	64QAM	1	1	19.30	19.42	19.34	21.0	0.0	
50	256QAM	1	1	18.73	18.86	18.76	19.5	1.5	
Channel				504000	507000	510000	Tune-up limit	MPR	
Frequency (MHz)				2520	2535	2550	(dBm)	(dB)	
40	QPSK	1	1	19.95	20.11	19.99	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit	MPR	
Frequency (MHz)				2515	2535	2555	(dBm)	(dB)	
30	QPSK	1	1	19.97	20.05	19.97	21.0	0.0	
Channel				502500	507000	511500	Tune-up limit	MPR	
Frequency (MHz)				2512.5	2535	2557.5	(dBm)	(dB)	
25	QPSK	1	1	19.90	20.08	19.91	21.0	0.0	
Channel				502000	507000	512000	Tune-up limit	MPR	
Frequency (MHz)				2510	2535	2560	(dBm)	(dB)	
20	PI/2 BPSK	1	1	20.01	20.13	19.97	21.0	0.0	
Channel				501500	507000	512500	Tune-up limit	MPR	
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)	
15	QPSK	1	1	20.06	20.06	19.96	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit	MPR	
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)	
10	QPSK	1	1	19.96	20.03	20.00	21.0	0.0	
Channel				500500	507000	513500	Tune-up limit	MPR	
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)	
5	QPSK	1	1	20.01	20.10	19.99	21.0	0.0	

n30 Ant1 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						462000	23.0	0.0	
Frequency (MHz)						2310			
10	PI/2 BPSK	1	1			21.88			
10	PI/2 BPSK	1	26			21.63	23.0	0.0	
10	PI/2 BPSK	1	50			21.71			
10	PI/2 BPSK	25	0			21.79			
10	PI/2 BPSK	25	14			21.83	23.0	0.0	
10	PI/2 BPSK	25	27			21.66			
10	PI/2 BPSK	50	0			21.80			
10	QPSK	1	1			21.91	23.0	0.0	
10	QPSK	1	26			21.87			
10	QPSK	1	50			21.70			
10	QPSK	25	0			21.82	23.0	0.0	
10	QPSK	25	14			21.88			
10	QPSK	25	27			21.64			
10	QPSK	50	0			21.80	23.0	0.0	
10	16QAM	1	1			21.46			
10	64QAM	1	1			21.39			
10	256QAM	1	1			21.50	23.0	0.0	
Channel				461500	462000	462500	Tune-up limit	MPR	
Frequency (MHz)				2307.5	2310	2312.5	(dBm)	(dB)	
5	QPSK	1	1	21.82	21.85	21.77	23.0	0.0	

n41 PC2&PC3 Ant1 SA DSI3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518598	526000		
Frequency (MHz)				2540.01	2592.99	2640		
100	Pi2 BPSK	1	1	19.75	19.83	19.85		
100	Pi2 BPSK	1	137	19.83	19.82	19.74	20.5	0.0
100	Pi2 BPSK	1	271	19.72	19.88	19.82		
100	Pi2 BPSK	135	0	19.71	19.85	19.85	20.5	0.0
100	Pi2 BPSK	135	69	19.82	19.82	19.76	20.5	0.0
100	Pi2 BPSK	135	138	19.75	19.85	19.76	20.5	0.0
100	Pi2 BPSK	270	0	19.65	19.63	19.64	20.5	0.0
100	QPSK	1	1	19.70	19.85	19.64		
100	QPSK	1	137	19.77	19.80	19.76	20.5	0.0
100	QPSK	1	271	19.74	19.84	19.80		
100	QPSK	135	0	19.72	19.83	19.85	20.5	0.0
100	QPSK	135	69	19.79	19.89	19.74	20.5	0.0
100	QPSK	135	138	19.79	19.83	19.81	20.5	0.0
100	QPSK	270	0	19.61	19.60	19.60	20.5	0.0
100	16QAM	1	1	19.70	19.84	19.69	20.5	0.0
100	64QAM	1	1	19.75	19.80	19.79	20.5	0.0
100	256QAM	1	1	19.74	19.80	19.78	20.5	0.0
Channel				507000	519598	529598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2641	2692.99	2644.98		
90	QPSK	1	1	19.68	19.86	19.70	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2646.45	2692.99	2649.99		
80	QPSK	1	1	19.77	19.85	19.65	20.5	0.0
Channel				508002	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2651.01	2692.99	2655		
70	QPSK	1	1	19.70	19.86	19.66	20.5	0.0
Channel				509000	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2656	2692.99	2659.98		
60	QPSK	1	1	19.77	19.87	19.63	20.5	0.0
Channel				509204	518598	532598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2652.102	2692.99	2664.99		
50	QPSK	1	1	19.76	19.84	19.72	20.5	0.0
Channel				509302	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2658.61	2692.99	2670		
40	QPSK	1	1	19.69	19.84	19.65	20.5	0.0
Channel				509200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2651	2692.99	2674.98		
30	QPSK	1	1	19.70	19.83	19.67	20.5	0.0
Channel				509204	518598	535598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2656.02	2692.99	2679.99		
20	QPSK	1	1	19.68	19.85	19.64	20.5	0.0
Channel				509700	518598	536598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2663.5	2692.99	2682.46		
15	QPSK	1	1	19.73	19.85	19.68	20.5	0.0
Channel				509002	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2661.01	2692.99	2689		
10	QPSK	1	1	19.70	19.80	19.60	20.5	0.0

Part270 n77 Ant1 SA PC3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	660000		
Frequency (MHz)				3760	3840	3900		
100	Pi2 BPSK	1	1	17.08	17.07	16.96		
100	Pi2 BPSK	1	137	16.90	16.95	16.94	18.0	0.0
100	Pi2 BPSK	1	271	16.82	16.97	16.89		
100	Pi2 BPSK	135	0	16.81	16.81	16.72	18.0	0.0
100	Pi2 BPSK	135	69	16.99	17.06	17.07	18.0	0.0
100	Pi2 BPSK	135	138	16.81	16.93	16.90	18.0	0.0
100	Pi2 BPSK	270	0	16.82	17.00	16.87		
100	QPSK	1	1	16.91	16.98	16.94		
100	QPSK	1	137	16.80	17.03	16.95	18.0	0.0
100	QPSK	1	271	16.89	16.95	16.91		
100	QPSK	135	0	16.71	16.78	16.81	18.0	0.0
100	QPSK	135	69	17.04	17.12	17.00	18.0	0.0
100	QPSK	135	138	16.80	16.81	16.89	18.0	0.0
100	QPSK	270	0	16.95	16.90	16.92		
100	16QAM	1	1	15.89	15.98	15.85	17.0	1.0
100	64QAM	1	1	15.75	15.87	15.81	17.0	1.0
100	256QAM	1	1	15.28	15.25	15.14	16.0	2.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3835.01		
90	QPSK	1	1	16.77	16.99	16.84	18.0	0.0
Channel				648334	656000	650998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.011	3840	3840.02		
80	QPSK	1	1	16.80	16.94	16.83	18.0	0.0
Channel				649000	656000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3845		
70	QPSK	1	1	16.84	16.89	16.81	18.0	0.0
Channel				648000	656000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3850.01		
60	QPSK	1	1	16.87	16.97	16.81	18.0	0.0
Channel				648334	656000	650998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3855.02		
50	QPSK	1	1	16.83	16.91	16.91	18.0	0.0
Channel				648000	656000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	16.79	16.93	16.88	18.0	0.0
Channel				647334	656000	654998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3870.02		
20	QPSK	1	1	16.85	16.94	16.85	18.0	0.0
Channel				647169	656000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3872.51		
15	QPSK	1	1	16.87	16.91	16.85	18.0	0.0
Channel				647000	656000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3875		
10	QPSK	1	1	16.75	17.00	16.80	18.0	0.0

Part270Q n77 Ant1 SA PC3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid-H Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633600		
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	17.08				
100	Pi2 BPSK	1	137	17.64			18.0	0.0
100	Pi2 BPSK	1	271	16.94				
100	Pi2 BPSK	135	0	17.35			18.0	0.0
100	Pi2 BPSK	135	69	17.65			18.0	0.0
100	Pi2 BPSK	135	138	17.54			18.0	0.0
100	Pi2 BPSK	270	0	17.58				
100	QPSK	1	1	17.10				
100	QPSK	1	137	17.70			18.0	0.0
100	QPSK	1	271	17.09				
100	QPSK	135	0	17.37			18.0	0.0
100	QPSK	135	69	17.76			18.0	0.0
100	QPSK	135	138	17.44			18.0	0.0
100	QPSK	270	0	17.57				
100	16QAM	1	1	16.35			17.0	1.0
100	64QAM	1	1	16.28			17.0	1.0
100	256QAM	1	1	15.25			16.0	2.0
Channel				633000	633334	633600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.71	17.70	17.63	18.0	0.0
Channel				633000	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.02	3500.01	3505		
80	QPSK	1	1	17.67	17.63	17.65	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	1	17.65	17.69	17.69	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	17.71	17.73	17.64	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3505		
50	QPSK	1	1	17.70	17.61	17.62	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3505.01		
40	QPSK	1	1	17.72	17.70	17.63	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3505		
20	QPSK	1	1	17.62	17.72	17.62	18.0	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.63	17.71	17.65	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	1	17.65	17.69	17.66	18.0	0.0



Part270 n77 Ant1 SA PC2 Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				650000	656000	662000	
Frequency (MHz)				3750	3840	3930	
100	Pi2 BPSK	1	1	20.11	20.14	20.12	21.0
100	Pi2 BPSK	1	137	19.26	19.35	19.30	
100	Pi2 BPSK	1	271	19.28	19.32	19.29	20.5
100	Pi2 BPSK	135	0	19.79	19.79	19.79	
100	Pi2 BPSK	135	69	19.98	20.03	19.98	21.0
100	Pi2 BPSK	135	138	19.87	19.93	19.93	
100	Pi2 BPSK	270	0	19.97	19.98	19.93	20.5
100	QPSK	1	1	19.66	19.66	19.59	
100	QPSK	1	157	20.13	20.21	20.16	21.0
100	QPSK	1	271	19.27	19.27	19.26	
100	QPSK	135	0	19.66	19.76	19.67	20.0
100	QPSK	135	69	19.94	20.03	19.99	
100	QPSK	135	138	19.80	19.82	19.76	20.0
100	QPSK	270	0	19.94	19.97	19.91	
100	16QAM	1	1	18.78	18.81	18.76	20.0
100	64QAM	1	1	17.37	17.38	17.31	
100	256QAM	1	1	15.84	15.89	15.80	16.5
Channel				649968	650000	652534	
Frequency (MHz)				3745.02	3840	3935.01	
90	QPSK	1	1	20.14	20.09	20.06	21.0
Channel				649334	650000	652968	
Frequency (MHz)				3740.01	3840	3940.00	
80	QPSK	1	1	20.16	20.06	20.08	21.0
Channel				649000	656000	663000	
Frequency (MHz)				3735	3840	3945	
70	QPSK	1	1	20.07	20.12	20.11	21.0
Channel				648968	650000	653334	
Frequency (MHz)				3730.02	3840	3950.01	
60	QPSK	1	1	20.11	20.07	20.09	21.0
Channel				648334	650000	653968	
Frequency (MHz)				3725.01	3840	3955.02	
50	QPSK	1	1	20.07	20.18	20.07	21.0
Channel				648000	650000	654000	
Frequency (MHz)				3720	3840	3950	
40	QPSK	1	1	20.14	20.10	20.17	21.0
Channel				647334	656000	664968	
Frequency (MHz)				3710.01	3840	3970.02	
20	QPSK	1	1	20.13	20.16	20.08	21.0
Channel				647168	650000	654934	
Frequency (MHz)				3707.52	3840	3972.51	
15	QPSK	1	1	20.13	20.17	20.15	21.0
Channel				647000	650000	655000	
Frequency (MHz)				3705	3840	3975	
10	QPSK	1	1	20.12	20.09	20.12	21.0

Part27Q n77 Ant1 SA PC2 Default								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633334		
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	20.09			21.0	0.0
100	Pi2 BPSK	1	137	19.33				
100	Pi2 BPSK	1	271	19.28			20.5	0.5
100	Pi2 BPSK	135	0	19.72				
100	Pi2 BPSK	135	69	19.97			21.0	0.0
100	Pi2 BPSK	135	138	19.85				
100	Pi2 BPSK	270	0	19.98			20.5	0.5
100	QPSK	1	1	19.58				
100	QPSK	1	137	20.02			21.0	0.0
100	QPSK	1	271	19.22				
100	QPSK	135	0	19.70			20.0	1.0
100	QPSK	135	69	20.06				
100	QPSK	135	138	19.83			21.0	0.0
100	QPSK	270	0	19.98				
100	16QAM	1	1	18.79			20.0	2.0
100	64QAM	1	1	17.29				
100	256QAM	1	1	16.34			16.5	4.5
Channel				633000	633334	633968		
Frequency (MHz)				3495	3500.01	3505.02	21.0	MPR (dB)
90	QPSK	1	1	20.04	20.08	20.05	21.0	0.0
Channel				632668	633334	634000	21.0	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	20.00	20.08	20.07	21.0	0.0
Channel				632334	633334	634334	21.0	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.01	20.09	20.03	21.0	0.0
Channel				632000	633334	634968	21.0	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.01	20.10	20.01	21.0	0.0
Channel				631668	633334	635000	21.0	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.04	20.02	20.08	21.0	0.0
Channel				631334	633334	635334	21.0	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.01	20.10	20.08	21.0	0.0
Channel				630968	633334	636000	21.0	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.04	20.02	20.03	21.0	0.0
Channel				630500	633334	636168	21.0	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.06	20.05	20.04	21.0	0.0
Channel				630334	633334	636334	21.0	MPR (dB)
Frequency (MHz)				3454.01	3500.01	3544.01		
10	QPSK	1	1	20.02	20.09	20.07	21.0	0.0

Part270 n78 Ant1 SA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1	18.18			19.0	0.0
100	Pi2 BPSK	1	137	18.06				
100	Pi2 BPSK	1	271	18.06				
100	Pi2 BPSK	135	0	17.88				
100	Pi2 BPSK	135	69	18.22			19.0	0.0
100	Pi2 BPSK	135	138	18.01			19.0	0.0
100	Pi2 BPSK	270	0	18.02			19.0	0.0
100	QPSK	1	1	18.10			19.0	0.0
100	QPSK	1	137	18.16				
100	QPSK	1	271	17.95				
100	QPSK	135	0	17.97				
100	QPSK	135	69	18.25			19.0	0.0
100	QPSK	135	138	17.95			19.0	0.0
100	QPSK	270	0	18.07			19.0	0.0
100	16QAM	1	1	17.46			18.0	1.0
100	64QAM	1	1	18.59			18.0	1.0
100	256QAM	1	1	18.38			17.0	2.0
Channel				649968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	18.08	18.10	18.06	19.0	0.0
Channel				645334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3460.01	3750	3460.05	(dBm)	(dB)
80	QPSK	1	1	18.12	18.21	18.08	19.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	18.07	18.18	18.14	19.0	0.0
Channel				648968	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	18.12	18.16	18.09	19.0	0.0
Channel				643334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	18.07	18.12	18.07	19.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	18.09	18.13	18.09	19.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3765.01	(dBm)	(dB)
30	QPSK	1	1	18.07	18.10	18.09	19.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3760.02	(dBm)	(dB)
20	QPSK	1	1	18.08	18.19	18.09	19.0	0.0
Channel				647168	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3307.53	3750	3362.51	(dBm)	(dB)
15	QPSK	1	1	18.06	18.21	18.09	19.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3700	3750	3750	(dBm)	(dB)
10	QPSK	1	1	18.10	18.14	18.12	19.0	0.0

Part27Q n78 Ant1 SA Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					653334			
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1	18.52			19.0	0.0
100	Pi2 BPSK	1	137	18.32				
100	Pi2 BPSK	1	271	18.20				
100	Pi2 BPSK	135	0	18.21				
100	Pi2 BPSK	135	69	18.36			19.0	0.0
100	Pi2 BPSK	135	138	18.43			19.0	0.0
100	Pi2 BPSK	270	0	18.32			19.0	0.0
100	QPSK	1	1	18.37			19.0	0.0
100	QPSK	1	137	18.57				
100	QPSK	1	271	18.28				
100	QPSK	135	0	18.18				
100	QPSK	135	69	18.51			19.0	0.0
100	QPSK	135	138	18.38			19.0	0.0
100	QPSK	270	0	18.51			19.0	0.0
100	16QAM	1	1	18.27			19.0	0.0
100	64QAM	1	1	17.90			18.0	1.0
100	256QAM	1	1	17.28			18.0	1.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	18.43	18.49	18.33	19.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3500.01	3490	(dBm)	(dB)
80	QPSK	1	1	18.41	18.46	18.38	19.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3468.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	18.41	18.43	18.31	19.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	18.43	18.54	18.39	19.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	18.40	18.50	18.31	19.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3463.01	3500.01	3538.01	(dBm)	(dB)
40	QPSK	1	1	18.42	18.51	18.39	19.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	18.49	18.52	18.42	19.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	18.39	18.47	18.37	19.0	0.0
Channel				630300	633334	636368	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	18.41	18.53	18.34	19.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3452.01	3500.01	3542.01	(dBm)	(dB)
10	QPSK	1	1	18.45	18.48	18.37	19.0	0.0

n41 PC2&PC3 Ant3 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518598	526000	18.0	0.0	
Frequency (MHz)				2544.01	2592.99	2593			
100	PI2 BPSK	1	1	16.63	16.81	16.84			
100	PI2 BPSK	1	137	17.59	17.65	17.50	18.0	0.0	
100	PI2 BPSK	1	271	17.03	17.06	16.90			
100	PI2 BPSK	135	0	17.15	17.17	17.12			
100	PI2 BPSK	135	69	17.38	17.41	17.40	18.0	0.0	
100	PI2 BPSK	135	138	17.52	17.62	17.41			
100	PI2 BPSK	270	0	17.55	17.61	17.58			
100	QPSK	1	1	16.71	16.97	16.89	18.0	0.0	
100	QPSK	1	137	17.49	17.55	17.62			
100	QPSK	1	271	16.99	17.06	16.95			
100	QPSK	135	0	17.13	17.28	17.17	18.0	0.0	
100	QPSK	135	69	17.59	17.70	17.62			
100	QPSK	135	138	17.51	17.57	17.55		18.0	
100	QPSK	270	0	17.56	17.60	17.53	18.0	0.0	
100	16QAM	1	1	16.45	16.54	16.41			
100	64QAM	1	1	16.43	16.43	16.40	18.0	0.0	
100	256QAM	1	1	16.84	17.01	17.03			
Channel				507200	518598	525998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	17.60	17.74	17.71	18.0	0.0	
Channel				507204	518598	525998	Tune-up limit	MPR	
Frequency (MHz)				2638.02	2692.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	17.62	17.72	17.78	18.0	0.0	
Channel				508002	518598	531000	Tune-up limit	MPR	
Frequency (MHz)				2631.01	2692.99	2695	(dBm)	(dB)	
70	QPSK	1	1	17.62	17.73	17.78	18.0	0.0	
Channel				509000	518598	531996	Tune-up limit	MPR	
Frequency (MHz)				2626	2692.99	2699.98	(dBm)	(dB)	
60	QPSK	1	1	17.62	17.80	17.71	18.0	0.0	
Channel				509204	518598	532594	Tune-up limit	MPR	
Frequency (MHz)				2621.02	2692.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	17.65	17.79	17.78	18.0	0.0	
Channel				509202	518598	534000	Tune-up limit	MPR	
Frequency (MHz)				2616.01	2692.99	2692	(dBm)	(dB)	
40	QPSK	1	1	17.55	17.75	17.74	18.0	0.0	
Channel				509200	518598	534996	Tune-up limit	MPR	
Frequency (MHz)				2511	2692.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	17.54	17.75	17.73	18.0	0.0	
Channel				509204	518598	535998	Tune-up limit	MPR	
Frequency (MHz)				2606.02	2692.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	17.64	17.77	17.71	18.0	0.0	
Channel				509700	518598	536996	Tune-up limit	MPR	
Frequency (MHz)				2603.15	2692.99	2692.44	(dBm)	(dB)	
15	QPSK	1	1	17.60	17.73	17.76	18.0	0.0	
Channel				509002	518598	537000	Tune-up limit	MPR	
Frequency (MHz)				2631.01	2692.99	2695	(dBm)	(dB)	
10	QPSK	1	1	17.63	17.70	17.65	18.0	0.0	

Part270 n77 PC2&PC3 Ant3 SA DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3940	3930		
Frequency (MHz)				13.41	13.77	13.72		
100	Pi2 BPSK	1	1	12.82	12.86	12.75	14.5	0.0
100	Pi2 BPSK	1	137	13.04	13.08	13.05		
100	Pi2 BPSK	1	271	13.36	13.46	13.39	14.5	0.0
100	Pi2 BPSK	135	0	13.55	13.61	13.42	14.5	0.0
100	Pi2 BPSK	135	69	13.51	13.53	13.43		
100	Pi2 BPSK	135	138	13.55	13.60	13.58	14.5	0.0
100	Pi2 BPSK	270	0	12.77	12.85	12.64		
100	QPSK	1	1	13.03	13.04	13.75	14.5	0.0
100	QPSK	1	137	13.08	13.18	13.02		
100	QPSK	1	271	13.38	13.50	13.52	14.5	0.0
100	QPSK	135	69	13.55	13.65	13.55	14.5	0.0
100	QPSK	135	138	13.41	13.55	13.47	14.5	0.0
100	QPSK	270	0	13.52	13.55	13.43		
100	16QAM	1	1	12.70	12.78	12.62	14.5	0.0
100	64QAM	1	1	12.61	12.59	12.51	14.5	0.0
100	256QAM	1	1	13.14	13.20	13.12	14.5	0.0
Channel				646608	656000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.50	13.71	13.68	14.5	0.0
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.01	3840	3941.02		
80	QPSK	1	1	13.55	13.78	13.65	14.5	0.0
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	13.50	13.77	13.67	14.5	0.0
Channel				648608	650000	653334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.53	13.74	13.61	14.5	0.0
Channel				648334	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	13.59	13.79	13.70	14.5	0.0
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3722	3840	3949		
40	QPSK	1	1	13.56	13.72	13.69	14.5	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.60	13.75	13.69	14.5	0.0
Channel				647168	650000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3697.52	3840	3972.51		
15	QPSK	1	1	13.59	13.80	13.65	14.5	0.0
Channel				647000	650000	654000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695	3840	3975		
10	QPSK	1	1	13.51	13.76	13.64	14.5	0.0

Part27Q n77 PC2&PC3 Ant3 SA DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633000	Power Middle Ch. / Freq. 633000	Power High Ch. / Freq. 633334	Tune-up limit (dBm)	MPR (dB)
Channel				3500.01				
Frequency (MHz)				13.25				
100	Pi2 BPSK	1	1	12.53			14.5	0.0
100	Pi2 BPSK	1	137	12.53				
100	Pi2 BPSK	1	271	12.52			14.5	0.0
100	Pi2 BPSK	135	0	13.14			14.5	0.0
100	Pi2 BPSK	135	69	13.16			14.5	0.0
100	Pi2 BPSK	135	138	12.52			14.5	0.0
100	Pi2 BPSK	270	0	12.90				
100	QPSK	1	1	12.57			14.5	0.0
100	QPSK	1	137	12.22				
100	QPSK	1	271	12.55			14.5	0.0
100	QPSK	135	0	13.11			14.5	0.0
100	QPSK	135	69	13.30			14.5	0.0
100	QPSK	135	138	12.90			14.5	0.0
100	QPSK	270	0	12.89				
100	16QAM	1	1	12.89			14.5	0.0
100	64QAM	1	1	12.51			14.5	0.0
100	256QAM	1	1	13.05			14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.15	13.12	13.20	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3515.01		
80	QPSK	1	1	13.19	13.12	13.20	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.16	13.14	13.16	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.15	13.16	13.15	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3520		
50	QPSK	1	1	13.17	13.14	13.16	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3520.01		
40	QPSK	1	1	13.20	13.16	13.14	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.18	13.17	13.17	14.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.13	13.15	13.21	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.13	13.13	13.20	14.5	0.0

Part27Q n78 Ant3 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		13.02		14.5	0.0	
100	Pi2 BPSK	1	137		13.07				
100	Pi2 BPSK	1	271		13.10				
100	Pi2 BPSK	135	0		13.42		14.5	0.0	
100	Pi2 BPSK	135	69		13.64		14.5	0.0	
100	Pi2 BPSK	135	135		13.51		14.5	0.0	
100	Pi2 BPSK	270	0		13.58		14.5	0.0	
100	QPSK	1	1		13.09				
100	QPSK	1	157		13.76				
100	QPSK	1	271		13.17		14.5	0.0	
100	QPSK	135	0		13.48		14.5	0.0	
100	QPSK	135	69		13.70		14.5	0.0	
100	QPSK	135	135		13.57		14.5	0.0	
100	QPSK	270	0		13.61		14.5	0.0	
100	16QAM	1	1		12.85				
100	64QAM	1	1		12.77				
100	256QAM	1	1		13.34		14.5	0.0	
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		13.59	13.67	13.59	14.5	0.0
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.01			
80	QPSK	1	1		13.68	13.65	13.65	14.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		13.63	13.65	13.63	14.5	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		13.59	13.68	13.60	14.5	0.0
Channel				643334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		13.68	13.67	13.67	14.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		13.59	13.67	13.58	14.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		13.62	13.61	13.64	14.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		13.69	13.64	13.62	14.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
15	QPSK	1	1		13.59	13.67	13.62	14.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3700	3750	3795			
10	QPSK	1	1		13.59	13.68	13.63	14.5	0.0

Part27Q n78 Ant3 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					653334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		13.08		14.5	0.0	
100	Pi2 BPSK	1	137		13.52				
100	Pi2 BPSK	1	271		13.10				
100	Pi2 BPSK	135	0		13.48		14.5	0.0	
100	Pi2 BPSK	135	69		13.57		14.5	0.0	
100	Pi2 BPSK	135	135		13.38		14.5	0.0	
100	Pi2 BPSK	270	0		13.47		14.5	0.0	
100	QPSK	1	1		13.12				
100	QPSK	1	157		13.85				
100	QPSK	1	271		13.04		14.5	0.0	
100	QPSK	135	0		13.46		14.5	0.0	
100	QPSK	135	69		13.52		14.5	0.0	
100	QPSK	135	135		13.43		14.5	0.0	
100	QPSK	270	0		13.48		14.5	0.0	
100	16QAM	1	1		12.83				
100	64QAM	1	1		12.78				
100	256QAM	1	1		13.48		14.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		13.59	13.51	13.53	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01			
80	QPSK	1	1		13.60	13.54	13.54	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		13.59	13.52	13.58	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		13.52	13.48	13.58	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.01			
50	QPSK	1	1		13.55	13.53	13.51	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		13.56	13.53	13.51	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		13.59	13.54	13.57	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		13.51	13.52	13.55	14.5	0.0
Channel				630334	633334	636368	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
15	QPSK	1	1		13.51	13.51	13.53	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3542.01			
10	QPSK	1	1		13.53	13.54	13.57	14.5	0.0



n2 Ant4 SA Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				373000	376000	379000			
Frequency (MHz)				1865	1860	1865			
30	Pl2 BPSK	1	1	21.34	21.38	21.30	23.0	0.0	
30	Pl2 BPSK	1	80	21.74	21.78	21.67			
30	Pl2 BPSK	1	158	21.20	21.23	21.25			
30	Pl2 BPSK	80	0	21.58	21.64	21.59	23.0	0.0	
30	Pl2 BPSK	80	40	21.54	21.67	21.53	23.0	0.0	
30	Pl2 BPSK	80	80	21.47	21.50	21.40	23.0	0.0	
30	Pl2 BPSK	160	0	21.49	21.57	21.52	23.0	0.0	
30	QPSK	1	1	21.28	21.42	21.32			
30	QPSK	1	80	21.78	21.83	21.68	23.0	0.0	
30	QPSK	1	158	21.17	21.30	21.20	23.0	0.0	
30	QPSK	80	0	21.42	21.52	21.46			
30	QPSK	80	40	21.54	21.60	21.51			
30	QPSK	80	80	21.37	21.44	21.35	23.0	0.0	
30	QPSK	160	0	21.45	21.51	21.43	23.0	0.0	
30	16QAM	1	1	21.04	21.11	21.07			
30	64QAM	1	1	20.97	21.09	21.03	22.0	1.0	
30	256QAM	1	1	20.38	20.52	20.46	21.0	2.0	
Channel				372000	376000	379500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1862.5	1860	1867.5			
25	QPSK	1	1	21.22	21.36	21.26	23.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1860	1860	1860			
20	Pl2 BPSK	1	1	21.33	21.33	21.24	23.0	0.0	
20	Pl2 BPSK	1	53	21.70	21.72	21.58			
20	Pl2 BPSK	1	104	21.13	21.23	21.18			
20	Pl2 BPSK	50	0	21.54	21.58	21.51	23.0	0.0	
20	Pl2 BPSK	50	28	21.53	21.56	21.45	23.0	0.0	
20	Pl2 BPSK	50	56	21.37	21.44	21.31	23.0	0.0	
20	Pl2 BPSK	100	0	21.48	21.56	21.43	23.0	0.0	
20	QPSK	1	1	21.19	21.40	21.26			
20	QPSK	1	53	21.78	21.74	21.60			
20	QPSK	1	104	21.10	21.29	21.12	23.0	1.0	
20	QPSK	50	0	21.37	21.46	21.44			
20	QPSK	50	28	21.47	21.60	21.49			
20	QPSK	50	56	21.30	21.34	21.33	23.0	1.0	
20	QPSK	100	0	21.35	21.45	21.42	23.0	1.0	
20	16QAM	1	1	20.98	21.06	21.06			
20	64QAM	1	1	20.96	21.00	20.98	22.0	1.0	
20	256QAM	1	1	20.30	20.49	20.45	21.0	2.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1857.5	1860	1862.5			
15	QPSK	1	1	21.64	21.77	21.55	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1855	1860	1865			
10	QPSK	1	1	21.74	21.68	21.69	23.0	0.0	
Channel				371000	372000	381500	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				1852.5	1860	1867.5			
5	QPSK	1	1	21.68	21.71	21.63	23.0	0.0	

n5 Ant4 SA Default									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				167300	167300	167300			
Frequency (MHz)				836.5					
25	Pl2 BPSK	1	1	22.18				24.0	0.0
25	Pl2 BPSK	1	80	22.49					
25	Pl2 BPSK	1	158	22.42					
25	Pl2 BPSK	80	0	22.08			23.5	0.5	
25	Pl2 BPSK	80	40	22.54			24.0	0.0	
25	Pl2 BPSK	80	80	22.11			23.5	0.5	
25	Pl2 BPSK	160	0	22.17				24.0	0.0
25	QPSK	1	1	22.52					
25	QPSK	1	80	22.34					
25	QPSK	1	158	22.39				23.0	1.0
25	QPSK	80	0	21.58			24.0		
25	QPSK	80	40	22.65			24.0		
25	QPSK	80	80	21.62			23.0	1.0	
25	QPSK	160	0	21.61			23.0	1.0	
25	16QAM	1	1	21.09			21.5	2.5	
25	64QAM	1	1	19.97			19.5	4.5	
25	256QAM	1	1	19.31					
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.18	22.25	22.15		24.0	0.0
20	Pl2 BPSK	1	53	22.33	22.42	22.33			
20	Pl2 BPSK	1	104	22.23	22.36	22.25			
20	Pl2 BPSK	50	0	21.98	22.02	21.97	23.5	0.5	
20	Pl2 BPSK	50	28	22.43	22.51	22.39	24.0	0.0	
20	Pl2 BPSK	50	56	21.97	22.08	21.90	23.5	0.5	
20	Pl2 BPSK	100	0	22.05	22.11	22.00		24.0	0.0
20	QPSK	1	1	22.34	22.46	22.37			
20	QPSK	1	53	22.15	22.26	22.14			
20	QPSK	1	104	22.20	22.36	22.22		23.0	1.0
20	QPSK	50	0	21.45	21.51	21.38	23.0		
20	QPSK	50	28	22.47	22.60	22.47	24.0		
20	QPSK	50	56	21.52	21.56	21.46	23.0	1.0	
20	QPSK	100	0	21.55	21.60	21.54		23.0	1.0
20	16QAM	1	1	20.98	21.03	21.01	23.0		
20	64QAM	1	1	19.47	19.51	19.48	21.5	2.5	
20	256QAM	1	1	18.13	18.25	18.13	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				831.5	836.5	841.5			
15	QPSK	1	1	22.45	22.53	22.42	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR	(dB)
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.47	22.56	22.41	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	22.45	22.60	22.44	24.0	0.0	

n12 Ant4 SA 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				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
16	Pi2 BPSK	1	1	22.17	22.22	22.09		
15	Pi2 BPSK	1	40	22.05	22.10	22.03	24.0	0.0
15	Pi2 BPSK	1	77	22.05	22.11	22.05		
15	Pi2 BPSK	36	0	21.54	21.63	21.53	23.5	0.5
16	Pi2 BPSK	36	22	22.04	22.11	22.06	24.0	0.0
15	Pi2 BPSK	36	43	21.61	21.65	21.60	23.5	0.5
15	Pi2 BPSK	75	0	21.62	21.67	21.52		
15	QPSK	1	1	22.26	22.31	22.24		
15	QPSK	1	40	22.08	22.14	22.07	24.0	0.0
15	QPSK	1	77	22.02	22.10	22.06		
15	QPSK	36	0	21.08	21.11	21.03	23.0	1.0
15	QPSK	36	22	22.11	22.26	22.17	24.0	0.0
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0
15	QPSK	75	0	21.22	21.26	21.23		
15	16QAM	1	1	21.23	21.31	21.16	23.0	1.0
15	64QAM	1	1	19.59	19.68	19.54	21.5	2.5
256QAM	1	1	1	17.84	17.85	17.80	19.5	4.5
Channel				141300	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.17	22.27	22.22	24.0	0.0
Channel				142000	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0

n25 Ant4 SA 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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pi2 BPSK	1	1	21.05	21.09	21.03		
40	Pi2 BPSK	1	108	21.72	21.81	21.70	23.0	0.0
40	Pi2 BPSK	1	214	21.04	21.08	21.02		
40	Pi2 BPSK	108	0	21.35	21.43	21.37	23.0	0.0
40	Pi2 BPSK	108	84	21.55	21.61	21.51	23.0	0.0
40	Pi2 BPSK	108	108	21.45	21.49	21.42	23.0	0.0
40	Pi2 BPSK	216	0	21.44	21.52	21.39		
40	QPSK	1	1	21.07	21.12	21.03		
40	QPSK	1	108	21.74	21.86	21.83	23.0	0.0
40	QPSK	1	214	21.05	21.06	21.02		
40	QPSK	108	0	21.25	21.39	21.28	23.0	0.0
40	QPSK	108	54	21.42	21.54	21.49	23.0	0.0
40	QPSK	108	108	21.37	21.42	21.29	23.0	0.0
40	QPSK	216	0	21.36	21.47	21.35		
40	16QAM	1	1	20.49	20.62	20.52	22.0	1.0
40	64QAM	1	1	20.38	20.46	20.41	22.0	1.0
40	256QAM	1	1	19.79	19.92	19.83	21.0	2.0
Channel				372000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.61	21.85	21.74	23.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.61	21.79	21.79	23.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.70	21.74	21.69	23.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.70	21.77	21.74	23.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.62	21.85	21.79	23.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.69	21.80	21.79	23.0	0.0

n26 Ant4 SA 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				166800	166900	167800		
Frequency (MHz)				824	831.5	839		
20	Pi2 BPSK	1	1	22.32	22.39	22.29		
20	Pi2 BPSK	1	53	22.26	22.32	22.20	24.0	0.0
20	Pi2 BPSK	1	104	22.22	22.25	22.15		
20	Pi2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5
20	Pi2 BPSK	50	76	22.18	22.22	22.15	24.0	0.0
20	Pi2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5
20	Pi2 BPSK	100	0	21.78	21.86	21.79		
20	QPSK	1	1	22.42	22.45	22.39		
20	QPSK	1	53	22.22	22.33	22.25	24.0	0.0
20	QPSK	1	104	22.15	22.23	22.11		
20	QPSK	50	0	21.12	21.22	21.07	23.0	1.0
20	QPSK	50	28	22.23	22.28	22.27	24.0	0.0
20	QPSK	50	56	21.28	21.37	21.27	23.0	1.0
20	QPSK	100	0	21.35	21.46	21.41		
20	16QAM	1	1	21.44	21.50	21.43	23.0	1.0
20	64QAM	1	1	19.72	19.85	19.77	21.5	2.5
20	256QAM	1	1	18.01	18.10	18.05	19.5	4.5
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.30	22.36	22.34	#REF!	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				818	831.5	844		
10	QPSK	1	1	22.39	22.41	22.31	#REF!	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				815.5	831.5	846.5		
5	QPSK	1	1	22.38	22.51	22.54	#REF!	0.0

n66 Ant4 SA DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				346000	349000	352000	
Frequency (MHz)				1720	1745	1760	
40	PI2 BPSK	1	1	18.19	18.22	18.14	
40	PI2 BPSK	1	108	19.11	19.18	19.09	20.0
40	PI2 BPSK	1	214	18.07	18.16	18.03	
40	PI2 BPSK	108	0	18.50	18.59	18.54	20.0
40	PI2 BPSK	108	54	18.91	18.97	18.90	20.0
40	PI2 BPSK	108	108	18.42	18.54	18.41	20.0
40	PI2 BPSK	216	0	18.45	18.56	18.50	20.0
40	QPSK	1	1	18.11	18.28	18.23	
40	QPSK	1	108	18.15	18.44	18.07	20.0
40	QPSK	1	214	18.03	18.12	18.01	
40	QPSK	108	0	18.40	18.51	18.45	20.0
40	QPSK	108	54	18.83	18.88	18.79	20.0
40	QPSK	108	108	18.47	18.53	18.40	20.0
40	QPSK	216	0	18.52	18.57	18.51	20.0
40	16QAM	1	1	18.12	18.16	18.09	20.0
40	64QAM	1	1	18.07	18.11	18.05	20.0
40	256QAM	1	1	18.53	18.57	18.48	20.0
Channel				350000	350000	350000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	19.10	19.16	18.94	20.0
Channel				344500	349000	350500	
Frequency (MHz)				1722.5	1745	1747.5	
25	QPSK	1	1	19.05	19.11	18.95	20.0
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	19.10	19.13	19.10	20.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	19.01	19.17	18.99	20.0
Channel				343000	349000	350000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	19.01	19.10	18.94	20.0
Channel				342500	349000	350000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	19.10	19.20	19.02	20.0

n71 Ant4 SA Default							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				134600	136100	137600	
Frequency (MHz)				673	680.5	688	
20	PI2 BPSK	1	1	22.49	22.53	22.40	
20	PI2 BPSK	1	53	22.37	22.40	22.30	24.0
20	PI2 BPSK	1	104	22.23	22.37	22.29	
20	PI2 BPSK	50	0	21.88	21.98	21.93	23.5
20	PI2 BPSK	50	28	22.20	22.33	22.26	24.0
20	PI2 BPSK	50	56	21.76	21.86	21.76	23.5
20	PI2 BPSK	100	0	21.81	21.95	21.82	
20	QPSK	1	1	22.51	22.55	22.47	
20	QPSK	1	53	22.36	22.47	22.42	24.0
20	QPSK	1	104	22.34	22.29	22.25	
20	QPSK	50	0	21.30	21.34	21.23	23.0
20	QPSK	50	28	22.35	22.43	22.39	24.0
20	QPSK	50	56	21.32	21.44	21.32	23.0
20	QPSK	100	0	21.42	21.45	21.45	
20	16QAM	1	1	21.50	21.82	21.54	23.0
20	64QAM	1	1	19.98	20.02	19.95	21.5
20	256QAM	1	1	18.14	18.20	18.06	19.5
Channel				134100	135100	136100	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	1	22.41	22.48	22.37	24.0
Channel				133600	136100	138600	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	22.44	22.43	22.38	24.0
Channel				133100	136100	139100	
Frequency (MHz)				665.5	680.5	695.5	
5	QPSK	1	1	22.38	22.45	22.35	24.0

n41 PC2&PC3 Ant4 SA DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	17.52	17.69	17.54		
100	PV2 BPSK	1	137	18.39	18.45	18.39		
100	PV2 BPSK	1	271	17.82	17.88	17.70	19.5	0.0
100	PV2 BPSK	135	0	18.22	18.24	18.24		
100	PV2 BPSK	135	69	18.42	18.44	18.39		
100	PV2 BPSK	135	138	18.32	18.36	18.27		
100	PV2 BPSK	270	0	18.39	18.38	18.29	19.5	0.0
100	QPSK	1	1	17.59	17.63	17.61		
100	QPSK	1	137	18.50	18.52	18.56		
100	QPSK	1	271	17.79	17.83	17.83		
100	QPSK	135	0	18.22	18.25	18.17	19.5	0.0
100	QPSK	135	69	18.44	18.56	18.32		
100	QPSK	135	138	18.25	18.26	18.22		
100	QPSK	270	0	18.31	18.36	18.22		
100	16QAM	1	1	17.65	17.66	17.59	19.5	0.0
100	64QAM	1	1	17.56	17.62	17.58		
100	256QAM	1	1	17.84	18.02	17.86		
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	19.5	0.0
90	QPSK	1	1	18.55	18.49	18.48		
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.52	18.55	18.45	19.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.53	18.50	18.50		
Channel				505200	518598	531998	19.5	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.48	18.56	18.49		
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	19.5	0.0
50	QPSK	1	1	18.52	18.52	18.47		
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.46	18.58	18.52	19.5	0.0
Channel				502200	518598	534996		
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.52	18.54	18.41		
Channel				501204	518598	535998	19.5	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.56	18.55	18.47		
Channel				500100	518598	536996		
Frequency (MHz)				2500.5	2592.99	2682.48	19.5	0.0
15	QPSK	1	1	18.48	18.59	18.42		
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.49	18.48	18.50	19.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.49	18.48	18.50		

n48 Ant5 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				640000	641666	643332			
Frequency (MHz)				3000	3024.99	3049.98			
100	PI2 BPSK	1	1	18.32	18.40	18.34	19.5	0.0	
100	PI2 BPSK	1	137	18.91	19.09	18.95			
100	PI2 BPSK	1	271	18.12	18.28	18.14			
100	PI2 BPSK	135	0	18.76	18.85	18.73	19.5	0.0	
100	PI2 BPSK	135	69	18.96	19.00	18.95	19.5	0.0	
100	PI2 BPSK	135	138	18.80	18.76	18.84	19.5	0.0	
100	PI2 BPSK	270	0	18.80	18.85	18.78			
100	QPSK	1	1	18.31	18.40	18.16			
100	QPSK	1	137	18.00	18.17	18.89	19.5	0.0	
100	QPSK	1	271	18.20	18.22	18.20			
100	QPSK	135	0	18.83	18.91	18.89	19.5	0.0	
100	QPSK	135	69	18.93	19.09	18.96	19.5	0.0	
100	QPSK	135	138	18.85	18.90	18.71	19.5	0.0	
100	QPSK	270	0	18.75	18.57	18.85	19.5	0.0	
100	16QAM	1	1	18.32	18.22	18.11			
100	64QAM	1	1	18.20	18.15	18.09	19.5	0.0	
100	256QAM	1	1	18.67	18.89	18.75	19.5	0.0	
Channel				639688	641666	643696	Tune-up limit	MPR	
Frequency (MHz)				3595.02	3624.99	3654.98	(dBm)	(dB)	
90	QPSK	1	1	18.85	19.06	18.62	19.5	0.0	
Channel				639334	641666	644090	Tune-up limit	MPR	
Frequency (MHz)				3660.91	3624.99	3660	(dBm)	(dB)	
80	QPSK	1	1	18.88	19.04	18.80	19.5	0.0	
Channel				638668	641666	644666	Tune-up limit	MPR	
Frequency (MHz)				3550.02	3624.99	3669.99	(dBm)	(dB)	
60	QPSK	1	1	18.91	19.10	18.83	19.5	0.0	
Channel				638334	641666	645000	Tune-up limit	MPR	
Frequency (MHz)				3575.01	3624.99	3675	(dBm)	(dB)	
50	QPSK	1	1	18.91	19.13	18.75	19.5	0.0	
Channel				639500	641666	645332	Tune-up limit	MPR	
Frequency (MHz)				3570	3624.99	3679.98	(dBm)	(dB)	
40	QPSK	1	1	18.95	19.08	18.79	19.5	0.0	
Channel				637334	641666	648090	Tune-up limit	MPR	
Frequency (MHz)				3566.01	3624.99	3667	(dBm)	(dB)	
20	QPSK	1	1	18.93	19.12	18.84	19.5	0.0	
Channel				637668	641666	646166	Tune-up limit	MPR	
Frequency (MHz)				3557.52	3624.99	3692.48	(dBm)	(dB)	
15	QPSK	1	1	18.94	19.09	18.89	19.5	0.0	
Channel				637000	641666	648332	Tune-up limit	MPR	
Frequency (MHz)				3558	3624.99	3694.98	(dBm)	(dB)	
10	QPSK	1	1	18.89	19.02	18.77	19.5	0.0	

Part270 n77 PC2&PC3 Ant5 SA DSI3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3840	3930				
100	Pi2 BPSK	1	1	19.53	19.62	19.61		20.5	0.0	
100	Pi2 BPSK	1	137	19.77	19.95	19.87				
100	Pi2 BPSK	1	271	19.85	19.87	19.83				
100	Pi2 BPSK	135	0	19.38	19.49	19.41	20.5			
100	Pi2 BPSK	135	69	19.58	19.67	19.54	20.5	0.0	0.0	
100	Pi2 BPSK	135	138	19.45	19.48	19.36	20.5			
100	Pi2 BPSK	270	0	19.51	19.48	19.44	20.5	0.0		
100	QPSK	1	1	19.95	19.04	19.96		20.5	0.0	
100	QPSK	1	137	19.69	19.69	19.63				
100	QPSK	1	271	19.87	19.81	19.83				
100	QPSK	135	0	19.47	19.54	19.51	20.5	0.0		
100	QPSK	135	69	19.48	19.60	19.56	20.5	0.0		
100	QPSK	135	138	19.37	19.35	19.30	20.5	0.0		
100	QPSK	270	0	19.42	19.46	19.41	20.5	0.0		
100	16QAM	1	1	19.79	19.83	19.76	20.5	0.0		
100	64QAM	1	1	19.67	19.65	19.56	20.5	0.0		
100	256QAM	1	1	19.98	19.25	19.19	20.5	0.0		
Channel				649999	650000	650001	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01				
90	QPSK	1	1	19.56	19.57	19.59	20.5	0.0		
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3940.02				
80	QPSK	1	1	19.62	19.58	19.55	20.5	0.0		
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	19.57	19.65	19.40	20.5	0.0		
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3730.02	3840	3950.01				
60	QPSK	1	1	19.61	19.55	19.52	20.5	0.0		
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3955.02				
50	QPSK	1	1	19.59	19.61	19.58	20.5	0.0		
Channel				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	19.60	19.62	19.56	20.5	0.0		
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	19.57	19.54	19.53	20.5	0.0		
Channel				647000	650000	650834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3840	3972.51				
15	QPSK	1	1	19.53	19.60	19.52	20.5	0.0		
Channel				646334	650000	650700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3700	3840	3975				
10	QPSK	1	1	19.58	19.65	19.48	20.5	0.0		

Part27Q n77 PC2&PC3 Ant5 SA DSI3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel				633000	633334	633668					
Frequency (MHz)				3500.01							
100	Pi2 BPSK	1	1	19.58			20.5	0.0			
100	Pi2 BPSK	1	137	19.58							
100	Pi2 BPSK	1	271	19.52							
100	Pi2 BPSK	135	0	19.39							
100	Pi2 BPSK	135	69	19.55			20.5	0.0			
100	Pi2 BPSK	135	138	19.45			20.5	0.0			
100	Pi2 BPSK	270	0	19.39			20.5	0.0			
100	QPSK	1	1	19.67			20.5	0.0			
100	QPSK	1	137	19.62							
100	QPSK	1	271	19.59							
100	QPSK	135	0	19.51							
100	QPSK	135	69	19.61							
100	QPSK	135	138	19.52							
100	QPSK	270	0	19.60							
100	16QAM	1	1	19.64							
100	64QAM	1	1	19.52							
100	256QAM	1	1	19.17							
Channel				633000	633334	633668	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02					
90	QPSK	1	1	19.57	19.55	19.51	20.5			0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510					
80	QPSK	1	1	19.54	19.54	19.57	20.5			0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01					
70	QPSK	1	1	19.51	19.58	19.47	20.5			0.0	
Channel				632000	633334	633668	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02					
60	QPSK	1	1	19.55	19.48	19.52	20.5			0.0	
Channel				631668	633334	632000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525					
50	QPSK	1	1	19.50	19.52	19.52	20.5			0.0	
Channel				631334	633334	633334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3515.01					
40	QPSK	1	1	19.57	19.58	19.56	20.5			0.0	
Channel				630668	633334	633600	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540					
20	QPSK	1	1	19.57	19.52	19.48	20.5			0.0	
Channel				630300	633334	633169	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.50					
15	QPSK	1	1	19.58	19.51	19.57	20.5			0.0	
Channel				630334	633334	633334	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.01					
10	QPSK	1	1	19.58	19.53	19.50	20.5			0.0	

Part270 n78 PC3 Ant5 SA DSI3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3750	3760	3750			
Frequency (MHz)									
100	Pi2 BPSK	1	1		19.67		20.5	0.0	
100	Pi2 BPSK	1	137		19.92				
100	Pi2 BPSK	1	271		19.09				
100	Pi2 BPSK	135	0		19.31				
100	Pi2 BPSK	135	69		19.62		20.5	0.0	
100	Pi2 BPSK	135	138		19.50		20.5	0.0	
100	Pi2 BPSK	270	0		19.62		20.5	0.0	
100	QPSK	1	1		19.91		20.5		
100	QPSK	1	137		19.78				
100	QPSK	1	271		19.26				
100	QPSK	135	0		19.39		20.5	0.0	
100	QPSK	135	69		19.90		20.5	0.0	
100	QPSK	135	138		19.51		20.5	0.0	
100	QPSK	270	0		19.61		20.5	0.0	
100	16QAM	1	1		19.64		20.5	0.0	
100	64QAM	1	1		19.62		20.5	0.0	
100	256QAM	1	1		19.17		20.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3760	3755.01			
90	QPSK	1	1	19.71	19.61	19.65	20.5	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3760	3762.02			
80	QPSK	1	1	19.64	19.69	19.67	20.5	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3760	3765			
70	QPSK	1	1	19.64	19.61	19.73	20.5	0.0	
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3760	3770.01			
60	QPSK	1	1	19.70	19.67	19.64	20.5	0.0	
Channel				649334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3760	3775.02			
50	QPSK	1	1	19.72	19.67	19.70	20.5	0.0	
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3760	3760			
40	QPSK	1	1	19.66	19.60	19.70	20.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3760	3765.01			
30	QPSK	1	1	19.63	19.69	19.73	20.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3760	3760.02			
20	QPSK	1	1	19.68	19.63	19.67	20.5	0.0	
Channel				647668	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3760	3762.01			
15	QPSK	1	1	19.65	19.70	19.74	20.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3700	3760	3760			
10	QPSK	1	1	19.69	19.61	19.66	20.5	0.0	

Part27Q n78 PC3 Ant5 SA DSI3								
BW [MHz]	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			20.5	0.0
Frequency (MHz)				3500.01				
100	Pi2 BPSK	1	1	19.60			20.5	0.0
100	Pi2 BPSK	1	137	18.77				
100	Pi2 BPSK	1	271	19.48				
100	Pi2 BPSK	135	0	19.39			20.5	0.0
100	Pi2 BPSK	135	69	19.64			20.5	0.0
100	Pi2 BPSK	135	138	19.59			20.5	0.0
100	Pi2 BPSK	270	0	19.55				
100	QPSK	1	1	18.77			20.5	0.0
100	QPSK	1	137	19.72				
100	QPSK	1	271	19.42				
100	QPSK	135	0	19.48			20.5	0.0
100	QPSK	135	69	19.67			20.5	0.0
100	QPSK	135	138	19.59			20.5	0.0
100	QPSK	270	0	19.05			20.5	0.0
100	16QAM	1	1	18.87				
100	64QAM	1	1	18.73			20.5	0.0
100	256QAM	1	1	18.11			20.5	0.0
Channel				633300	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	19.61	19.60	19.63	20.5	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.02	3500.01	3515	(dBm)	(dB)
80	QPSK	1	1	19.60	19.60	19.59	20.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	19.55	19.56	19.57	20.5	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3505.02	(dBm)	(dB)
60	QPSK	1	1	19.58	19.56	19.57	20.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	19.61	19.55	19.63	20.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3533.01	(dBm)	(dB)
40	QPSK	1	1	19.61	19.61	19.60	20.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	19.63	19.61	19.60	20.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	19.58	19.58	19.61	20.5	0.0
Channel				630500	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	19.61	19.54	19.60	20.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3453.01	3500.01	3543.01	(dBm)	(dB)
10	QPSK	1	1	19.59	19.53	19.59	20.5	0.0

n41 PC2&PC3 Ant6 SA DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	20.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.07	19.26	19.17	20.0	0.0
100	PI/2 BPSK	1	137	19.67	19.76	19.60		
100	PI/2 BPSK	1	271	19.62	19.75	19.59	20.0	0.0
100	PI/2 BPSK	135	0	19.63	19.71	19.58		
100	PI/2 BPSK	135	69	19.69	19.78	19.58	20.0	0.0
100	PI/2 BPSK	135	138	19.64	19.75	19.62		
100	PI/2 BPSK	270	0	19.38	19.55	19.38	20.0	0.0
100	QPSK	1	1	19.42	19.48	19.48		
100	QPSK	1	137	19.92	19.94	19.91	20.0	0.0
100	QPSK	1	271	19.66	19.76	19.55		
100	QPSK	135	0	19.68	19.75	19.57	20.0	0.0
100	QPSK	135	69	19.61	19.80	19.58		
100	QPSK	135	138	19.62	19.73	19.57	20.0	0.0
100	QPSK	270	0	19.48	19.49	19.38		
100	16QAM	1	1	19.12	19.24	19.15	20.0	0.0
100	64QAM	1	1	19.29	19.33	19.22		
100	256QAM	1	1	16.91	16.95	16.89	17.5	2.5
Channel				508200	518598	528996	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.13	19.14	19.04	20.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.08	19.13	19.10	20.0	0.0
Channel				506202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	19.07	19.17	19.06	20.0	0.0
Channel				505200	518598	531996	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	19.12	19.19	19.09	20.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	19.12	19.18	19.08	20.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	19.09	19.12	19.04	20.0	0.0
Channel				502200	518598	534996	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	19.06	19.17	19.08	20.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	19.10	19.15	19.03	20.0	0.0
Channel				500700	518598	536996	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	19.08	19.18	19.04	20.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	19.10	19.12	19.04	20.0	0.0

Part270 n77 PC2&PC3 Ant7 SA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Mid Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000	19.0	0.0	
Frequency [MHz]				3750	3840	3930			
100	PV2 BPSK	1	1	18.37	17.42	18.34			
100	PV2 BPSK	1	137	17.42	18.32	17.38			
100	PV2 BPSK	1	271	17.57	17.63	17.53	19.0	0.0	
100	PV2 BPSK	135	0	18.45	18.54	18.47			
100	PV2 BPSK	135	69	18.61	18.63	18.59			
100	PV2 BPSK	135	138	18.29	18.33	18.29			
100	PV2 BPSK	270	0	18.29	18.38	18.29	19.0	0.0	
100	QPSK	1	1	17.43	17.47	17.46			
100	QPSK	1	137	18.63	18.69	18.64			
100	QPSK	1	271	17.58	17.68	17.64			
100	QPSK	135	0	18.37	18.46	18.37	19.0	0.0	
100	QPSK	135	69	18.56	18.58	18.54			
100	QPSK	135	138	18.33	18.42	18.39			
100	QPSK	270	0	18.40	18.47	18.35			
100	16QAM	1	1	17.20	17.28	17.23	19.0	0.0	
100	64QAM	1	1	17.14	17.22	17.17			
100	256QAM	1	1	17.64	17.64	17.68			
Channel				646968	650000	652034	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				3745.02	3840	3935.01	19.0	0.0	
90	QPSK	1	1	18.64	18.60	18.57			
Channel				648334	650000	652068		19.0	
Frequency [MHz]				3740.01	3840	3940.02			
80	QPSK	1	1	18.57	18.57	18.55			
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				3735	3840	3945	19.0	0.0	
70	QPSK	1	1	18.58	18.61	18.62			
Channel				648668	650000	652334		19.0	
Frequency [MHz]				3730.02	3840	3950.01			
60	QPSK	1	1	18.61	18.63	18.63	19.0	0.0	
Channel				648334	650000	652068			
Frequency [MHz]				3725.01	3840	3955.02			
50	QPSK	1	1	18.61	18.56	18.63			
Channel				648000	650000	654000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				3720	3840	3960	19.0	0.0	
40	QPSK	1	1	18.59	18.58	18.63			
Channel				647334	650000	654668		19.0	
Frequency [MHz]				3710.01	3840	3970.02			
20	QPSK	1	1	18.63	18.61	18.62	19.0	0.0	
Channel				647168	650000	655334			
Frequency [MHz]				3707.52	3840	3972.51			
15	QPSK	1	1	18.65	18.63	18.61			
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				3705	3840	3975	19.0	0.0	
10	QPSK	1	1	18.54	18.59	18.61			

Part27Q n77 PC2&PC3 Ant7 SA DSI3									
BW [MHz]	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)				3500.01					
100	Pi2 BPSK	1	1	17.68			19.0	0.0	
100	Pi2 BPSK	1	137	18.51					
100	Pi2 BPSK	1	271	17.84					
100	Pi2 BPSK	135	0	18.20			19.0	0.0	
100	Pi2 BPSK	135	69	18.29			19.0	0.0	
100	Pi2 BPSK	135	138	18.06			19.0	0.0	
100	Pi2 BPSK	270	0	18.10			19.0	0.0	
100	QPSK	1	1	17.76					
100	QPSK	1	137	18.67					
100	QPSK	1	271	17.69			19.0	0.0	
100	QPSK	135	0	18.13			19.0	0.0	
100	QPSK	135	69	18.32			19.0	0.0	
100	QPSK	135	138	18.06			19.0	0.0	
100	QPSK	270	0	18.12			19.0	0.0	
100	16QAM	1	1	17.51					
100	64QAM	1	1	17.48					
100	256QAM	1	1	18.00			19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	19.0	0.0	
90	QPSK	1	1	18.50	18.46	18.50	19.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510.01	19.0	0.0	
80	QPSK	1	1	18.45	18.43	18.42	19.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	19.0	0.0	
70	QPSK	1	1	18.53	18.48	18.48	19.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	19.0	0.0	
60	QPSK	1	1	18.51	18.47	18.54	19.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.03	19.0	0.0	
50	QPSK	1	1	18.42	18.46	18.45	19.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	19.0	0.0	
40	QPSK	1	1	18.48	18.53	18.44	19.0	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3500.01	3540.02	19.0	0.0	
30	QPSK	1	1	18.53	18.44	18.52	19.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	19.0	0.0	
15	QPSK	1	1	18.51	18.50	18.48	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3450.01	3500.01	3545.01	19.0	0.0	
10	QPSK	1	1	18.47	18.49	18.45	19.0	0.0	

Part27Q n78 PC3 An7 SA DSI3									
BW [MHz]	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)				3750	3750	3750			
100	Pi2 BPSK	1	1	17.87			19.0	0.0	
100	Pi2 BPSK	1	137	18.67					
100	Pi2 BPSK	1	271	18.13					
100	Pi2 BPSK	135	0	18.54			19.0	0.0	
100	Pi2 BPSK	135	69	18.79			19.0	0.0	
100	Pi2 BPSK	135	138	18.70			19.0	0.0	
100	Pi2 BPSK	270	0	18.74			19.0	0.0	
100	QPSK	1	1	17.93					
100	QPSK	1	137	18.81					
100	QPSK	1	271	18.19			19.0	0.0	
100	QPSK	135	0	18.49			19.0	0.0	
100	QPSK	135	69	18.77			19.0	0.0	
100	QPSK	135	138	18.65			19.0	0.0	
100	QPSK	270	0	18.73			19.0	0.0	
100	16QAM	1	1	17.72					
100	64QAM	1	1	17.67					
100	256QAM	1	1	18.24			19.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	19.0	0.0	
90	QPSK	1	1	18.73	18.66	18.67	19.0	0.0	
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	19.0	0.0	
80	QPSK	1	1	18.74	18.65	18.72	19.0	0.0	
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	19.0	0.0	
70	QPSK	1	1	18.74	18.65	18.65	19.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	19.0	0.0	
60	QPSK	1	1	18.70	18.69	18.72	19.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	19.0	0.0	
50	QPSK	1	1	18.72	18.71	18.70	19.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	19.0	0.0	
40	QPSK	1	1	18.74	18.62	18.72	19.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3795.01	19.0	0.0	
30	QPSK	1	1	18.68	18.61	18.63	19.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	19.0	0.0	
20	QPSK	1	1	18.73	18.66	18.71	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51	19.0	0.0	
15	QPSK	1	1	18.69	18.65	18.65	19.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	19.0	0.0	
10	QPSK	1	1	18.70	18.62	18.67	19.0	0.0	

Part27Q n78 PC3 Ant7 SA DSI3									
BW [MHz]	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	Pi2 BPSK	1	1	17.54			19.0	0.0	
100	Pi2 BPSK	1	137	18.53					
100	Pi2 BPSK	1	271	18.37					
100	Pi2 BPSK	135	0	18.29			19.0	0.0	
100	Pi2 BPSK	135	69	18.58			19.0	0.0	
100	Pi2 BPSK	135	138	18.44			19.0	0.0	
100	Pi2 BPSK	270	0	18.49			19.0	0.0	
100	QPSK	1	1	17.87					
100	QPSK	1	137	18.99					
100	QPSK	1	271	18.31			19.0	0.0	
100	QPSK	135	0	18.40			19.0	0.0	
100	QPSK	135	69	18.51			19.0	0.0	
100	QPSK	135	138	18.34			19.0	0.0	
100	QPSK	270	0	18.38			19.0	0.0	
100	16QAM	1	1	17.69					
100	64QAM	1	1	17.61					
100	256QAM	1	1	18.16			19.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02	19.0	0.0	
90	QPSK	1	1	18.37	18.46	18.48	19.0	0.0	
Channel				632668	633334	3500.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.02	3500.01	3510.01	19.0	0.0	
80	QPSK	1	1	18.48	18.52	18.44	19.0	0.0	
Channel				633000	633334	3500.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01	19.0	0.0	
70	QPSK	1	1	18.40	18.52	18.40	19.0	0.0	
Channel				633000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3510.01	19.0	0.0	
60	QPSK	1	1	18.40	18.53	18.45	19.0	0.0	
Channel				631668	633334	3500.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525.01	19.0	0.0	
50	QPSK	1	1	18.40	18.54	18.46	19.0	0.0	
Channel				631324	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	19.0	0.0	
40	QPSK	1	1	18.47	18.51	18.40	19.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3468.01	3500.01	3535.02	19.0	0.0	
30	QPSK	1	1	18.42	18.49	18.44	19.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540.01	19.0	0.0	
20	QPSK	1	1	18.44	18.52	18.41	19.0	0.0	
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52	19.0	0.0	
15	QPSK	1	1	18.41	18.49	18.44	19.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01	19.0	0.0	
10	QPSK	1	1	18.40	18.54	18.39	19.0	0.0	



n2 Ant0 NSA DS13										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37000	37000	37000				
Frequency (MHz)				1865	1880	1895				
30	P12 BPSK	1	1	14.97	15.05	14.93		16.0	0.0	
30	P12 BPSK	1	80	15.14	15.22	15.15				
30	P12 BPSK	1	156	15.12	15.18	15.12				
30	P12 BPSK	80	0	14.98	15.09	14.97	16.0	16.0	0.0	
30	P12 BPSK	80	40	15.07	15.20	15.16				
30	P12 BPSK	80	80	14.93	15.06	15.00				
30	P12 BPSK	160	0	15.02	15.11	15.05	16.0	16.0	0.0	
30	QPSK	1	1	14.93	15.07	14.94				
30	QPSK	1	80	15.12	15.20	15.21				
30	QPSK	1	156	15.02	15.14	15.08	16.0	16.0	0.0	
30	QPSK	80	0	15.08	15.13	15.01				
30	QPSK	80	40	15.10	15.17	15.04				
30	QPSK	80	80	14.88	15.03	15.00	16.0	16.0	0.0	
30	QPSK	160	0	15.06	15.14	15.00				
30	16QAM	1	1	14.91	14.95	14.89	16.0	16.0	0.0	
30	64QAM	1	1	14.78	14.86	14.75	16.0			
30	256QAM	1	1	15.00	15.08	14.90	16.0			
Channel				37200	37000	37000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	14.87	15.03	14.88	16.0	16.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1890				
20	P12 BPSK	1	1	14.92	15.00	14.88		16.0	0.0	
20	P12 BPSK	1	53	15.11	15.19	15.08				
20	P12 BPSK	1	104	15.07	15.14	15.08	16.0			
20	P12 BPSK	50	0	14.92	15.04	14.94	16.0	16.0	0.0	
20	P12 BPSK	50	28	15.03	15.17	15.12				
20	P12 BPSK	50	56	14.87	15.02	14.95	16.0			
20	P12 BPSK	100	0	14.99	15.07	15.00		16.0	0.0	
20	QPSK	1	1	14.89	15.01	14.87				
20	QPSK	1	53	15.06	15.19	15.17				
20	QPSK	1	104	14.97	15.09	15.02	16.0	23.0	1.0	
20	QPSK	50	0	15.03	15.10	14.95				
20	QPSK	50	28	15.07	15.10	14.99	24.0			
20	QPSK	50	56	14.84	14.96	14.97	23.0	23.0	1.0	
20	QPSK	100	0	15.02	15.11	14.94				
20	16QAM	1	1	14.86	14.89	14.84	16.0			
20	64QAM	1	1	14.72	14.83	14.71	16.0	16.0	0.0	
20	256QAM	1	1	14.97	15.03	14.93	16.0			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1877.2	1890	1902.5				
15	QPSK	1	1	15.09	15.11	15.14	16.0	16.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1865	1880	1905				
10	QPSK	1	1	15.05	15.15	15.16	16.0	16.0	0.0	
Channel				370500	370500	370500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1907.5				
5	QPSK	1	1	15.00	15.21	15.07	16.0			

n5 Ant0 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tuneup limit (dBm)	MPR (db)		
Channel					167300					
Frequency (MHz)					836.5					
25	P12 BPSK	1	1		22.52			24.0	0.0	
25	P12 BPSK	1	80		22.73					
25	P12 BPSK	1	156		22.69					
25	P12 BPSK	80	0		22.37		23.5	23.5	0.5	
25	P12 BPSK	80	40		22.79		24.0			
25	P12 BPSK	80	80		22.43		23.5			
25	P12 BPSK	160	0		22.47			24.0	0.0	
25	QPSK	1	1		22.76					
25	QPSK	1	80		22.70		24.0			
25	QPSK	1	156		22.65			23.0	1.0	
25	QPSK	80	0		21.89		23.0			
25	QPSK	80	40		22.90		24.0			
25	QPSK	80	80		21.91		23.0	23.0	1.0	
25	QPSK	160	0		21.95					
25	16QAM	1	1		21.23		23.0			
25	64QAM	1	1		19.75		21.5	21.5	2.5	
25	256QAM	1	1		18.44		19.5			
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (db)		
Frequency (MHz)				834	836.5	839				
20	P12 BPSK	1	1	22.47	22.49	22.37		24.0	0.0	
20	P12 BPSK	1	53	22.64	22.68	22.56				
20	P12 BPSK	1	104	22.50	22.60	22.54	23.5			
20	P12 BPSK	50	0	22.15	22.36	22.14	23.5	23.5	0.5	
20	P12 BPSK	50	28	22.64	22.73	22.66	24.0			
20	P12 BPSK	50	56	22.22	22.36	22.31	23.5			
20	P12 BPSK	100	0	22.30	22.43	22.36		24.0	0.0	
20	QPSK	1	1	22.56	22.67	22.57				
20	QPSK	1	53	22.61	22.66	22.55	24.0			
20	QPSK	1	104	22.52	22.58	22.51	23.0	23.0	1.0	
20	QPSK	50	0	21.67	21.86	21.77				
20	QPSK	50	28	22.70	22.87	22.81	24.0			
20	QPSK	50	56	21.81	21.91	21.75	23.0	23.0	1.0	
20	QPSK	100	0	21.88	21.95	21.79				
20	16QAM	1	1	21.05	21.17	21.12	23.0			
20	64QAM	1	1	19.64	19.69	19.63	21.5	21.5	2.5	
20	256QAM	1	1	18.34	18.36	18.33	19.5			
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (db)		
Frequency (MHz)				831.5	836.5	841.5				
15	QPSK	1	1	22.58	22.65	22.68	24.0	24.0	0.0	
Channel				166800	167300	168800	Tuneup limit (dBm)	MPR (db)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.68	22.62	22.51	24.0	24.0	0.0	
Channel				165300	167300	169300	Tuneup limit (dBm)	MPR (db)		
Frequency (MHz)				826.5	836.5	846.5				
5	QPSK	1	1	22.67	22.67	22.72	24.0			

n12 Ant0 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				141300	141600	141700				
Frequency (MHz)				706.5	707.5	708.5				
15	P12 BPSK	1	1	22.77	22.83	22.74		24.0	0.0	
15	P12 BPSK	1	40	22.76	22.79	22.69				
15	P12 BPSK	1	77	22.66	22.70	22.58				
15	P12 BPSK	36	0	22.26	22.32	22.23	23.5	23.5	0.5	
15	P12 BPSK	36	22	22.74	22.80	22.71	24.0			
15	P12 BPSK	36	43	22.19	22.33	22.20				
15	P12 BPSK	75	0	22.28	22.36	22.29	23.5	23.5	0.5	
15	QPSK	1	1	22.85	22.87	22.82				
15	QPSK	1	40	22.67	22.75	22.61				
15	QPSK	1	77	22.53	22.68	22.58	24.0	24.0	0.0	
15	QPSK	36	0	21.73	21.79	21.67	23.0			
15	QPSK	36	22	22.76	22.83	22.79	24.0			
15	QPSK	36	43	21.79	21.84	21.79	23.0	23.0	1.0	
15	QPSK	75	0	21.87	21.98	21.83				
15	16QAM	1	1	21.24	21.36	21.30	23.0			
15	64QAM	1	1	19.99	20.07	19.99	21.5	21.5	2.5	
15	256QAM	1	1	18.56	18.65	18.61	19.5			
Channel				140300	141300	142300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	1	22.77	22.78	22.77	24.0	24.0	0.0	
Channel				140300	141600	142700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704.5	707.5	713.5				
5	QPSK	1	1	22.72	22.76	22.70	24.0			



n14 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					158600			
Frequency (MHz)				733				
10	PI2 BPSK	1	1	22.56				
10	PI2 BPSK	1	28	22.52			24.0	0.0
10	PI2 BPSK	1	50	22.44				
10	PI2 BPSK	25	0	22.12			23.5	0.5
10	PI2 BPSK	25	14	22.36			24.0	0.0
10	PI2 BPSK	25	27	21.94			23.5	0.5
10	PI2 BPSK	50	0	22.01				
10	QPSK	1	1	22.58				
10	QPSK	1	28	22.53			24.0	0.0
10	QPSK	1	50	22.47				
10	QPSK	25	0	21.88			23.0	1.0
10	QPSK	25	14	22.35			24.0	0.0
10	QPSK	25	27	21.43			23.0	1.0
10	QPSK	50	0	21.51			23.0	1.0
10	16QAM	1	1	21.29			23.0	1.0
10	64QAM	1	1	19.84			21.5	2.5
10	256QAM	1	1	18.54			19.5	4.5
Channel				158100	159100	159100		
Frequency (MHz)				750.5	793	795.5		
5	QPSK	1	1	22.44	22.83	22.47	24.0	0.0

n25 Ant0 NSA DSI3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	379000		
Frequency (MHz)				1870	1872.5	1875		
40	PI2 BPSK	1	1	14.13	14.18	14.08		
40	PI2 BPSK	1	108	14.88	14.97	14.84	16.0	0.0
40	PI2 BPSK	1	214	14.15	14.22	14.08		
40	PI2 BPSK	108	0	14.62	14.71	14.62	16.0	0.0
40	PI2 BPSK	108	54	14.74	14.77	14.65	16.0	0.0
40	PI2 BPSK	108	108	14.60	14.73	14.59		
40	PI2 BPSK	216	0	14.57	14.70	14.60	16.0	0.0
40	QPSK	1	1	14.23	14.24	14.26		
40	QPSK	1	108	14.96	15.04	15.06	16.0	0.0
40	QPSK	1	214	14.15	14.27	14.15		
40	QPSK	108	0	14.68	14.80	14.75	16.0	0.0
40	QPSK	108	54	14.72	14.83	14.69	16.0	0.0
40	QPSK	108	108	14.67	14.77	14.63		
40	QPSK	216	0	14.75	14.82	14.71	16.0	0.0
40	16QAM	1	1	14.26	14.31	14.22	16.0	0.0
40	64QAM	1	1	14.24	14.29	14.15	16.0	0.0
40	256QAM	1	1	14.32	14.35	14.47	16.0	0.0
Channel				372000	375000	380000		
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	14.84	14.90	14.92	16.0	0.0
Channel				372500	376500	380500		
Frequency (MHz)				1872.5	1882.5	1892.5		
25	QPSK	1	1	14.90	14.97	14.86	16.0	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1869	1872.5	1926		
20	QPSK	1	1	14.87	14.95	14.88	16.0	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	14.82	14.91	14.83	16.0	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	14.83	14.99	14.93	16.0	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	14.88	14.93	14.91	16.0	0.0

n26 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					168800	169300		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.61	22.73	22.66		
20	PI2 BPSK	1	53	22.61	22.69	22.65	24.0	0.0
20	PI2 BPSK	1	104	22.61	22.67	22.54		
20	PI2 BPSK	50	0	22.07	22.14	22.08	23.5	0.5
20	PI2 BPSK	50	28	22.54	22.66	22.61	24.0	0.0
20	PI2 BPSK	50	56	22.21	22.29	22.17	23.5	0.5
20	PI2 BPSK	100	0	22.24	22.35	22.26		
20	QPSK	1	1	22.73	22.76	22.69		
20	QPSK	1	53	22.67	22.69	22.54	24.0	0.0
20	QPSK	1	104	22.53	22.64	22.52		
20	QPSK	50	0	21.64	21.67	21.61	23.0	1.0
20	QPSK	50	28	22.66	22.75	22.71	24.0	0.0
20	QPSK	50	56	21.70	21.79	21.66	23.0	1.0
20	QPSK	100	0	21.74	21.82	21.62	23.0	1.0
20	16QAM	1	1	21.21	21.30	21.16	23.0	1.0
20	64QAM	1	1	19.68	19.74	19.71	21.5	2.5
20	256QAM	1	1	18.41	18.46	18.38	19.5	4.5
Channel				168300	169300	169300		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.59	22.67	22.62	#REF!	0.0
Channel				168800	169300	169800		
Frequency (MHz)				819	831.5	844		
10	QPSK	1	1	22.59	22.63	22.58	#REF!	0.0
Channel				168300	169300	169300		
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.67	22.72	22.59	#REF!	0.0

n66 Ant0 NSA DSI3

BW [MHz]	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	352000		
Frequency (MHz)				1720	1745	1760		
40	PI2 BPSK	1	1	15.53	15.57	15.56		
40	PI2 BPSK	1	108	16.33	16.45	16.31	17.5	0.0
40	PI2 BPSK	1	214	15.54	15.61	15.56		
40	PI2 BPSK	108	0	15.80	15.88	15.82	17.5	0.0
40	PI2 BPSK	108	54	16.06	16.20	16.13	17.5	0.0
40	PI2 BPSK	108	108	15.69	15.80	15.71	17.5	0.0
40	PI2 BPSK	216	0	15.77	15.84	15.72		
40	QPSK	1	1	15.52	15.57	15.55		
40	QPSK	1	108	16.45	16.56	16.54	17.5	0.0
40	QPSK	1	214	15.52	15.56	15.53		
40	QPSK	108	0	15.86	15.79	15.76	17.5	0.0
40	QPSK	108	54	16.22	16.32	16.25	17.5	0.0
40	QPSK	108	108	15.68	15.77	15.65	17.5	0.0
40	QPSK	216	0	15.74	15.97	15.96		
40	16QAM	1	1	15.53	15.84	15.80	17.5	0.0
40	64QAM	1	1	15.55	15.59	15.53	17.5	0.0
40	256QAM	1	1	15.68	15.95	15.90	17.5	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.33	16.45	16.42	17.5	0.0
Channel				344000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725.5	1745	1747.5		
25	QPSK	1	1	16.40	16.44	16.43	17.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.37	16.49	16.43	17.5	0.0
Channel				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	16.31	16.35	16.39	17.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	16.34	16.50	16.43	17.5	0.0
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.40	16.52	16.40	17.5	0.0

n70 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					340500			
Frequency (MHz)					1702.5			
15	PI2 BPSK	1	1		22.48			
15	PI2 BPSK	1	40		22.55		24.0	0.0
15	PI2 BPSK	1	77		22.40			
15	PI2 BPSK	36	0		22.44		24.0	0.0
15	PI2 BPSK	36	22		22.51		24.0	0.0
15	PI2 BPSK	36	43		22.64		24.0	0.0
15	PI2 BPSK	75	0		22.50			
15	QPSK	1	1		22.73			
15	QPSK	1	40		22.61		24.0	0.0
15	QPSK	1	77		22.44			
15	QPSK	36	0		22.38		24.0	0.0
15	QPSK	36	22		22.70		24.0	0.0
15	QPSK	36	43		22.58		24.0	0.0
15	QPSK	75	0		22.65			
15	16QAM	1	1		22.49		24.0	0.0
15	64QAM	1	1		22.08		24.0	0.0
15	256QAM	1	1		21.45		23.0	1.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.59	22.65	22.63	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.61	22.63	22.60	24.0	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	22.67	22.70	22.68		
20	PI2 BPSK	1	53	22.49	22.64	22.52	24.0	0.0
20	PI2 BPSK	1	104	22.38	22.42	22.33		
20	PI2 BPSK	50	0	22.04	22.09	21.98	23.5	0.5
20	PI2 BPSK	50	26	22.61	22.68	22.54	24.0	0.0
20	PI2 BPSK	50	56	22.03	22.06	21.97	23.5	0.5
20	PI2 BPSK	100	0	22.06	22.11	21.98		
20	QPSK	1	1	22.72	22.77	22.69		
20	QPSK	1	53	22.49	22.60	22.52	24.0	0.0
20	QPSK	1	104	22.49	22.53	22.45		
20	QPSK	50	0	21.52	21.57	21.45	23.0	1.0
20	QPSK	50	26	22.73	22.75	22.70	24.0	0.0
20	QPSK	50	56	21.49	21.61	21.52	23.0	1.0
20	QPSK	100	0	21.68	21.76	21.72		
20	16QAM	1	1	21.43	21.49	21.35	23.0	1.0
20	64QAM	1	1	19.79	19.88	19.75	21.5	2.5
20	256QAM	1	1	18.33	18.46	18.38	19.5	4.5
Channel				133100	133700	134300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.65	22.71	22.62	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.60	22.73	22.55	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	Qpsk	1	1	22.63	22.69	22.62	24.0	0.0

n7 Ant1 NSA DSI3									
BW [MHz]	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	16.33	16.37	16.30	18.0	0.0	
50	PI/2 BPSK	1	135	16.76	16.88	16.84			
50	PI/2 BPSK	1	268	16.32	16.40	16.29	18.0	0.0	
50	PI/2 BPSK	135	0	16.65	16.75	16.66			
50	PI/2 BPSK	135	68	16.67	16.73	16.69	18.0	0.0	
50	PI/2 BPSK	135	135	16.62	16.67	16.53			
50	PI/2 BPSK	270	0	16.65	16.72	16.58	18.0	0.0	
50	QPSK	1	1	16.85	16.92	16.90			
50	QPSK	1	135	16.34	16.47	16.41	18.0	0.0	
50	QPSK	1	268	16.31	16.36	16.30			
50	QPSK	135	0	16.60	16.71	16.67	18.0	0.0	
50	QPSK	135	68	16.67	16.77	16.72			
50	QPSK	135	135	16.59	16.64	16.55	18.0	0.0	
50	QPSK	270	0	16.63	16.69	16.54			
50	16QAM	1	1	16.10	16.22	16.15	18.0	0.0	
50	64QAM	1	1	16.02	16.11	16.02			
50	256QAM	1	1	16.69	16.76	16.63	18.0	0.0	
Channel				504000	507000	510000			
Frequency (MHz)				2520	2535	2550	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.75	16.88	16.81	18.0	0.0	
Channel				503000	507000	511000	18.0	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.77	16.77	16.81	18.0	0.0	
Channel				502500	507000	511500			
Frequency (MHz)				2512.5	2535	2557.5	18.0	0.0	
25	QPSK	1	1	16.72	16.82	16.76			
Channel				502000	507000	512000	18.0	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	16.81	16.78	16.85	18.0	0.0	
Channel				501500	507000	512500			
Frequency (MHz)				2507.5	2535	2562.5	18.0	0.0	
15	QPSK	1	1	16.74	16.89	16.78			
Channel				501000	507000	513000	18.0	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.70	16.84	16.75	18.0	0.0	
Channel				500500	507000	513500			
Frequency (MHz)				2502.5	2535	2567.5	18.0	MPR (dB)	
5	QPSK	1	1	16.74	16.87	16.83			

n30 Ant1 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						462000	23.0		
Frequency (MHz)						2310			
10	PI/2 BPSK	1	1			19.45	20.5	0.0	
10	PI/2 BPSK	1	26			19.34			
10	PI/2 BPSK	1	50			19.35	20.5	0.0	
10	PI/2 BPSK	25	0			19.29			
10	PI/2 BPSK	25	14			19.50	20.5	0.0	
10	PI/2 BPSK	25	27			19.27			
10	PI/2 BPSK	50	0			19.40	20.5	0.0	
10	QPSK	1	1			19.52			
10	QPSK	1	26			19.50	20.5	0.0	
10	QPSK	1	50			19.37			
10	QPSK	25	0			19.45	20.5	0.0	
10	QPSK	25	14			19.47			
10	QPSK	25	27			19.32	20.5	0.0	
10	QPSK	50	0			19.41			
10	16QAM	1	1			19.13	20.5	0.0	
10	64QAM	1	1			19.07			
10	256QAM	1	1			19.24	20.5	0.0	
Channel						461500			
Frequency (MHz)						2307.5	23.0	2312.5	
5	QPSK	1	1			19.40			

n41 PC2&PC3 Ant1 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Midle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2546.01	2552.99	2640			
100	PB2 BPSK	1	1	16.71	16.87	16.65	17.5	0.0	
100	PB2 BPSK	1	137	16.69	16.85	16.65			
100	PB2 BPSK	1	271	16.74	16.87	16.79			
100	PB2 BPSK	135	0	16.75	16.74	16.64			
100	PB2 BPSK	135	69	16.84	17.12	17.07	17.5	0.0	
100	PB2 BPSK	135	138	16.80	16.91	16.75	17.5	0.0	
100	PB2 BPSK	270	0	16.76	16.87	16.92			
100	QPSK	1	1	16.78	16.86	16.80	17.5	0.0	
100	QPSK	1	137	17.06	17.16	17.10			
100	QPSK	1	271	16.77	16.89	16.80			
100	QPSK	135	0	16.78	16.78	16.64			
100	QPSK	135	69	17.01	17.10	17.00	17.5	0.0	
100	QPSK	135	138	16.71	16.87	16.83	17.5	0.0	
100	QPSK	270	0	16.72	16.87	16.75			
100	16QAM	1	1	16.76	16.88	16.78	17.5	0.0	
100	64QAM	1	1	16.73	16.86	16.80	17.5	0.0	
100	256QAM	1	1	16.74	16.86	16.76	17.5	0.0	
Channel				500200	518598	528000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2641	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	16.75	16.91	16.77		0.0	
Channel				507204	518598	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2638.02	2592.99	2643.98	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.73	16.86	16.80		0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2631.01	2592.99	2603	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.76	16.88	16.77		0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2626	2592.99	2609.98	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.78	16.88	16.76		0.0	
Channel				504202	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2621.02	2592.99	2604.98	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.74	16.90	16.78		0.0	
Channel				503202	518598	536000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2616.01	2592.99	2610	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.75	16.86	16.82		0.0	
Channel				502200	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2611	2592.99	2674.98	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.76	16.88	16.81		0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2606.02	2592.99	2679.98	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	16.74	16.85	16.81		0.0	
Channel				500100	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2603.5	2592.98	2682.48	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.73	16.89	16.82		0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency [MHz]				2591.01	2592.99	2693	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.77	16.85	16.77		0.0	

Part270 n77 PC2&PC3 Ant3 NSA DSI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (65000)	Power Middle Ch. / Freq. (65000)	Power High Ch. / Freq. (65000)	Tune-up limit (dBm)	MPR (dB)
Channel				3750	3840	3930		
Frequency (MHz)								
100	PV2 BPSK	1	1	10.10	10.23	10.29		
100	PV2 BPSK	1	137	9.29	9.32	9.26	11.0	0.0
100	PV2 BPSK	1	271	9.30	9.58	9.55		
100	PV2 BPSK	135	0	9.90	9.96	9.96	11.0	0.0
100	PV2 BPSK	135	69	10.01	10.09	9.94	11.0	0.0
100	PV2 BPSK	135	138	10.01	10.05	9.99	11.0	0.0
100	PV2 BPSK	270	0	10.04	10.16	10.14		
100	QPSK	1	1	9.27	9.37	9.14		
100	QPSK	1	137	10.09	10.31	10.22	11.0	0.0
100	QPSK	1	271	9.82	9.75	9.48		
100	QPSK	135	0	9.92	10.00	10.05	11.0	0.0
100	QPSK	135	69	10.05	10.15	10.07	11.0	0.0
100	QPSK	135	138	9.91	10.05	9.97		
100	QPSK	270	0	10.08	10.13	9.92	11.0	0.0
100	16QAM	1	1	9.20	9.28	9.17	11.0	0.0
100	64QAM	1	1	9.16	9.19	9.12	11.0	0.0
100	256QAM	1	1	9.61	9.70	9.68	11.0	0.0
Channel				64668	65000	66234	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	10.03	10.17	10.17	11.0	0.0
Channel				649334	650000	662668	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	10.05	10.18	10.19	11.0	0.0
Channel				649000	650000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	10.02	10.26	10.09	11.0	0.0
Channel				648668	650000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.02	3840	3950.01		
60	QPSK	1	1	9.95	10.24	10.11	11.0	0.0
Channel				648334	650000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	10.01	10.25	10.09	11.0	0.0
Channel				648000	650000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	10.04	10.21	10.12	11.0	0.0
Channel				647334	650000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	10.05	10.24	10.17	11.0	0.0
Channel				647168	650000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	10.02	10.16	10.13	11.0	0.0
Channel				647000	650000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	9.94	10.23	10.13	11.0	0.0

Part27Q n77 PC2&PC3 Ant3 NSA DS13

BW [MHz]	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			11.0	0.0
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1		10.51		11.0	0.0
100	PV2 BPSK	1	137		9.80			
100	PV2 BPSK	1	271		9.78		11.0	0.0
100	PV2 BPSK	135	0		10.47			
100	PV2 BPSK	135	69		10.52		11.0	0.0
100	PV2 BPSK	135	138		10.29			
100	PV2 BPSK	270	0		10.21		11.0	0.0
100	QPSK	1	1		9.91			
100	QPSK	1	137		10.59		11.0	0.0
100	QPSK	1	271		9.83			
100	QPSK	135	0		10.48		11.0	0.0
100	QPSK	135	69		10.55			
100	QPSK	135	138		10.27		11.0	0.0
100	QPSK	270	0		10.25			
100	16QAM	1	1		10.05		11.0	0.0
100	64QAM	1	1		9.84			
100	256QAM	1	1		10.33		11.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485	3500.01	3505.02		
90	QPSK	1	1	10.43	10.51	10.53	11.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	10.42	10.52	10.46	11.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	10.47	10.48	10.50	11.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3489	3500.01	3520.02		
60	QPSK	1	1	10.45	10.48	10.47	11.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	10.46	10.50	10.46	11.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	10.44	10.48	10.47	11.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	10.45	10.49	10.49	11.0	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	10.44	10.48	10.53	11.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	10.48	10.48	10.49	11.0	0.0



n2 Ant4 NSA DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				37000	37600	37900				
Frequency (MHz)				1865	1880	1865				
30	P12 BPSK	1	1	17.97	18.05	17.98		19.5	0.0	
30	P12 BPSK	1	80	18.40	18.43	18.38				
30	P12 BPSK	1	156	17.98	18.02	17.90				
30	P12 BPSK	80	0	18.11	18.23	18.13	19.5	0.0	0.0	
30	P12 BPSK	80	40	18.18	18.32	18.19				
30	P12 BPSK	80	80	18.02	18.13	18.08				
30	P12 BPSK	160	0	18.20	18.25	18.19	19.5	0.0		
30	QPSK	1	1	17.94	18.08	18.04		19.5	0.0	
30	QPSK	1	80	18.41	18.46	18.37				
30	QPSK	1	156	17.94	18.03	17.92				
30	QPSK	80	0	18.22	18.27	18.20	19.5	0.0		
30	QPSK	80	40	18.23	18.30	18.26	19.5	0.0		
30	QPSK	80	80	18.06	18.11	18.02	19.5	0.0		
30	QPSK	160	0	18.17	18.23	18.13				
30	16QAM	1	1	17.84	17.90	17.79	19.5	0.0		
30	64QAM	1	1	17.73	17.86	17.83	19.5	0.0		
30	256QAM	1	1	18.28	18.40	18.20	19.5	0.0		
Channel				37200	37600	38000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	17.88	18.05	17.99	19.5	0.0		
Channel				37200	37600	38000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	P12 BPSK	1	1	17.91	17.99	17.92		19.5	0.0	
20	P12 BPSK	1	53	18.35	18.37	18.31				
20	P12 BPSK	1	104	17.92	17.96	17.84				
20	P12 BPSK	50	0	18.06	18.18	18.06	19.5	0.0		
20	P12 BPSK	50	28	18.12	18.28	18.14	19.5	0.0		
20	P12 BPSK	50	56	17.85	18.09	18.04	19.5	0.0		
20	P12 BPSK	100	0	18.13	18.19	18.13				
20	QPSK	1	1	17.88	18.01	17.99		19.5	0.0	
20	QPSK	1	53	18.35	18.41	18.33				
20	QPSK	1	104	17.90	17.99	17.85				
20	QPSK	50	0	18.18	18.24	18.10	23.0	1.0		
20	QPSK	50	28	18.18	18.24	18.20	24.0	0.0		
20	QPSK	50	56	18.03	18.05	17.96	23.0	1.0		
20	QPSK	100	0	18.12	18.18	18.09	23.0	1.0		
20	16QAM	1	1	17.79	17.86	17.75	19.5	0.0		
20	64QAM	1	1	17.66	17.82	17.76	19.5	0.0		
20	256QAM	1	1	18.23	18.36	18.14	19.5	0.0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1827.2	1880	1922.5				
15	QPSK	1	1	18.35	18.35	18.33	19.5	0.0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1805	1880	1905				
10	QPSK	1	1	18.28	18.40	18.25	19.5	0.0		
Channel				371000	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1802.5	1880	1907.5				
5	QPSK	1	1	18.35	18.38	18.31	19.5	0.0		

n7 Ant4 NSA DSI3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				505000	507000	509000				
Frequency (MHz)				2525	2535	2545				
50	P12 BPSK	1	1	18.35	18.41	18.27		19.5	0.0	
50	P12 BPSK	1	135	18.68	18.77	18.72				
50	P12 BPSK	1	268	18.51	18.55	18.50				
50	P12 BPSK	135	0	18.45	18.59	18.49	19.5	0.0		
50	P12 BPSK	135	68	18.74	18.77	18.65	19.5	0.0		
50	P12 BPSK	135	135	18.69	18.76	18.63		19.5	0.0	
50	P12 BPSK	270	0	18.71	18.79	18.72				
50	QPSK	1	1	18.76	18.82	18.72				
50	QPSK	1	135	18.44	18.49	18.47		19.5	0.0	
50	QPSK	1	268	18.52	18.62	18.51				
50	QPSK	135	0	18.45	18.58	18.52	19.5	0.0		
50	QPSK	135	68	18.71	18.81	18.69	19.5	0.0		
50	QPSK	135	135	18.64	18.72	18.61	19.5	0.0		
50	QPSK	270	0	18.72	18.77	18.65				
50	16QAM	1	1	18.17	18.29	18.24	19.5	0.0		
50	64QAM	1	1	18.09	18.22	18.18	19.5	0.0		
50	256QAM	1	1	18.07	18.16	18.08	19.5	0.0		
Channel				505000	507000	510000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2520	2535	2550				
40	QPSK	1	1	18.70	18.75	18.62	19.5	0.0		
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2515	2535	2565				
30	QPSK	1	1	18.61	18.71	18.59	19.5	0.0		
Channel				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2512.5	2535	2577.5				
25	QPSK	1	1	18.04	18.77	18.59	19.5	0.0		
Channel				502000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2510	2535	2560				
20	P12 BPSK	1	1	18.70	18.68	18.59	19.5	0.0		
Channel				507000	507000	512500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2507.5	2535	2562.5				
15	QPSK	1	1	18.63	18.76	18.64	19.5	0.0		
Channel				507000	507000	513000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2505	2535	2565				
10	QPSK	1	1	18.66	18.70	18.68	19.5	0.0		
Channel				505000	507000	513500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2502.5	2535	2567.5				
5	QPSK	1	1	18.68	18.72	18.68	19.5	0.0		

n12 Ant4 NSA Default										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				706.5	707.5	708.5				
Frequency (MHz)										
15	P12 BPSK	1	1	22.17	22.22	22.09		24.0	0.0	
15	P12 BPSK	1	40	22.05	22.10	22.03				
15	P12 BPSK	1	77	22.05	22.11	22.05				
15	P12 BPSK	36	0	21.54	21.63	21.53	23.5	0.5		
15	P12 BPSK	36	22	22.04	22.11	22.06	24.0	0.0		
15	P12 BPSK	36	43	21.61	21.65	21.60	23.5	0.5		
15	P12 BPSK	75	0	21.62	21.67	21.52				
15	QPSK	1	1	22.28	22.31	22.24		24.0	0.0	
15	QPSK	1	40	22.08	22.14	22.07				
15	QPSK	1	77	22.02	22.10	22.06				
15	QPSK	36	0	21.08	21.11	21.03	23.0	1.0		
15	QPSK	36	22	22.11	22.28	22.17	24.0	0.0		
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0		
15	QPSK	75	0	21.22	21.28	21.21				
15	16QAM	1	1	21.23	21.31	21.16	23.0	1.0		
15	64QAM	1	1	19.59	19.68	19.54	21.5	2.5		
15	256QAM	1	1	17.84	17.95	17.50	19.5	4.5		
Channel				140000	141000	142000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	1	22.17	22.27	22.22	24.0	0.0		
Channel				140000	141000	142000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704.5	707.5	711.5				
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0		



n25 Ant4 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				1670	1682.5	1695			
Frequency (MHz)				1670	1682.5	1695			
40	PI2 BPSK	1	1	17.56	17.65	17.60			
40	PI2 BPSK	1	108	18.26	18.35	18.28	19.5	0.0	
40	PI2 BPSK	1	214	17.81	17.82	17.58			
40	PI2 BPSK	108	0	17.94	18.04	17.94	19.5	0.0	
40	PI2 BPSK	108	54	18.15	18.20	18.14	19.5	0.0	
40	PI2 BPSK	108	108	17.96	18.09	18.05	19.5	0.0	
40	PI2 BPSK	216	0	18.10	18.16	18.02			
40	QPSK	1	1	17.53	17.56	17.51			
40	QPSK	1	108	18.31	18.36	18.16	19.5	0.0	
40	QPSK	1	214	17.54	17.55	17.32			
40	QPSK	108	0	17.94	18.07	17.98	19.5	0.0	
40	QPSK	108	54	18.21	18.33	18.19	19.5	0.0	
40	QPSK	108	108	18.01	18.08	18.04	19.5	0.0	
40	QPSK	216	0	18.03	18.11	17.98	19.5	0.0	
40	16QAM	1	1	17.59	17.83	17.56	19.5	0.0	
40	64QAM	1	1	17.55	17.56	17.53	19.5	0.0	
40	256QAM	1	1	17.52	17.57	17.59	19.5	0.0	
Channel				172000	172500	182000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1685	1682.5	1690			
30	QPSK	1	1	18.20	18.26	18.14	19.5	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865.5	1861.5	1859.5			
25	QPSK	1	1	18.24	18.30	18.05	19.5	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1862.5	1865			
20	QPSK	1	1	18.23	18.33	18.09	19.5	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1862.5	1867.5			
15	QPSK	1	1	18.21	18.35	18.15	19.5	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1810			
10	QPSK	1	1	18.17	18.30	18.09	19.5	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1863.5	1862.5	1812.5			
5	QPSK	1	1	18.24	18.34	18.07	19.5	0.0	

n26 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				164600	166300	167800			
Frequency (MHz)				824	831.5	835			
20	PI2 BPSK	1	1	22.32	22.39	22.29			
20	PI2 BPSK	1	53	22.26	22.32	22.20	24.0	0.0	
20	PI2 BPSK	1	104	22.22	22.25	22.15			
20	PI2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5	
20	PI2 BPSK	50	25	22.16	22.22	22.15	24.0	0.0	
20	PI2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5	
20	PI2 BPSK	100	0	21.78	21.86	21.79			
20	QPSK	1	1	22.42	22.45	22.39			
20	QPSK	1	53	22.22	22.23	22.25	24.0	0.0	
20	QPSK	1	104	22.15	22.23	22.11			
20	QPSK	50	0	21.12	21.22	21.07	23.0	1.0	
20	QPSK	50	28	22.23	22.28	22.27	24.0	0.0	
20	QPSK	50	56	21.28	21.27	21.27	23.0	1.0	
20	QPSK	100	0	21.39	21.45	21.41			
20	16QAM	1	1	21.44	21.50	21.43	23.0	1.0	
20	64QAM	1	1	19.72	19.85	19.77	21.5	2.5	
20	256QAM	1	1	18.01	18.10	18.05	19.5	4.5	
Channel				165300	166300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.30	22.36	22.34	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816	831.5	844			
10	QPSK	1	1	22.39	22.41	22.31	24.0	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	842.5			
5	QPSK	1	1	22.38	22.31	22.24	24.0	0.5	

n30 Ant4 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				401500	402000	402500			
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	16.67					
10	PI2 BPSK	1	26	16.80			18.5	0.0	
10	PI2 BPSK	1	50	16.73					
10	PI2 BPSK	25	0	16.82			18.5	0.0	
10	PI2 BPSK	25	14	16.62			18.5	0.0	
10	PI2 BPSK	25	27	16.74			18.5	0.0	
10	PI2 BPSK	50	0	16.85					
10	QPSK	1	1	16.94					
10	QPSK	1	26	16.80			18.5	0.0	
10	QPSK	1	50	16.81					
10	QPSK	25	0	16.86			18.5	0.0	
10	QPSK	25	14	16.90			18.5	0.0	
10	QPSK	25	27	16.81			18.5	0.0	
10	QPSK	50	0	16.94					
10	16QAM	1	1	16.81			18.5	0.0	
10	64QAM	1	1	16.72			18.5	0.0	
10	256QAM	1	1	16.62			18.5	0.0	
Channel				401500	402000	402500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	16.80	16.89	16.84	18.5	0.0	

n66 Ant4 NSA DSI3								
BW [MHz]	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	352000		
Frequency (MHz)				1730	1745	1760		
40	Pi2 BPSK	1	1	14.59	14.67	14.57		
40	Pi2 BPSK	1	108	15.47	15.58	15.47	16.5	0.0
40	Pi2 BPSK	1	214	14.57	14.63	14.54		
40	Pi2 BPSK	108	0	14.79	14.94	14.88	16.5	0.0
40	Pi2 BPSK	108	54	15.23	15.33	15.24	16.5	0.0
40	Pi2 BPSK	108	108	14.78	14.91	14.84	16.5	0.0
40	Pi2 BPSK	216	0	14.93	14.97	14.94		
40	QPSK	1	1	14.64	14.71	14.67		
40	QPSK	1	108	15.62	15.64	15.51	16.5	0.0
40	QPSK	1	214	14.52	14.58	14.54		
40	QPSK	108	0	14.90	14.97	14.87	16.5	0.0
40	QPSK	108	54	15.42	15.55	15.39	16.5	0.0
40	QPSK	108	108	14.89	14.96	14.85	16.5	0.0
40	QPSK	216	0	14.98	14.98	14.91		
40	16QAM	1	1	14.66	14.71	14.65	16.5	0.0
40	64QAM	1	1	14.51	14.64	14.59	16.5	0.0
40	256QAM	1	1	14.56	14.60	14.55	16.5	0.0
Channel				350000	350000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	15.52	15.51	15.44	16.5	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	15.55	15.52	15.37	16.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	15.51	15.61	15.44	16.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.48	15.50	15.40	16.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.55	15.56	15.38	16.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.50	15.54	15.41	16.5	0.0

n71 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				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	Pi2 BPSK	1	1	22.49	22.53	22.40		
20	Pi2 BPSK	1	53	22.37	22.40	22.30	24.0	0.0
20	Pi2 BPSK	1	104	22.23	22.37	22.29		
20	Pi2 BPSK	50	0	21.88	21.98	21.93	23.5	0.5
20	Pi2 BPSK	50	28	22.20	22.33	22.26	24.0	0.0
20	Pi2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5
20	Pi2 BPSK	100	0	21.81	21.95	21.82		
20	QPSK	1	1	22.51	22.55	22.47		
20	QPSK	1	53	22.36	22.47	22.42	24.0	0.0
20	QPSK	1	104	22.34	22.29	22.25		
20	QPSK	50	0	21.30	21.34	21.23	23.0	1.0
20	QPSK	50	28	22.35	22.43	22.39	24.0	0.0
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0
20	QPSK	100	0	21.42	21.45	21.45		
20	16QAM	1	1	21.50	21.82	21.54	23.0	1.0
20	64QAM	1	1	19.98	20.02	19.95	21.5	2.5
20	256QAM	1	1	18.14	18.20	18.06	19.5	4.5
Channel				134100	135100	136100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	22.38	22.45	22.35	24.0	0.0

Part270 n77 PC2&PC3 Ant5 NSA DSI3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq]	Power Mid Ch. [Freq]	Power High Ch. [Freq]	
Channel				656000	656000	662000	
Frequency [MHz]				3750	3840	3930	
100	PQ2 BPSK	1	1	16.08	16.11	16.09	
100	PQ2 BPSK	1	137	15.31	15.55	15.32	17.0
100	PQ2 BPSK	1	271	15.30	15.45	15.33	
100	PQ2 BPSK	135	0	15.90	16.11	15.85	17.0
100	PQ2 BPSK	135	69	16.05	16.16	16.07	17.0
100	PQ2 BPSK	135	138	15.92	16.03	15.95	
100	PQ2 BPSK	270	0	15.88	16.08	15.98	17.0
100	QPSK	1	1	15.46	15.51	15.43	
100	QPSK	1	137	16.12	16.25	16.17	17.0
100	QPSK	1	271	15.31	15.42	15.35	
100	QPSK	135	0	15.85	15.94	15.91	17.0
100	QPSK	135	69	15.96	16.22	16.00	17.0
100	QPSK	135	138	15.81	15.83	15.82	
100	QPSK	270	0	15.92	16.06	15.95	17.0
100	16QAM	1	1	15.35	15.28	15.25	17.0
100	64QAM	1	1	15.12	15.20	15.04	17.0
100	256QAM	1	1	15.73	15.73	15.76	17.0
Channel				648000	650000	652000	
Frequency [MHz]				3745.02	3840	3935.01	
90	QPSK	1	1	16.08	16.10	16.07	17.0
							0.0
Channel				648334	656000	662000	
Frequency [MHz]				3740.01	3840	3940.02	
80	QPSK	1	1	16.01	16.17	16.08	17.0
							0.0
Channel				649000	656000	663000	
Frequency [MHz]				3735	3840	3945	
70	QPSK	1	1	16.00	16.13	16.07	17.0
							0.0
Channel				648668	656000	663334	
Frequency [MHz]				3730.02	3840	3950.01	
60	QPSK	1	1	16.07	16.15	16.11	17.0
							0.0
Channel				648335	656000	663000	
Frequency [MHz]				3725.01	3840	3955.02	
50	QPSK	1	1	16.05	16.16	16.14	17.0
							0.0
Channel				648000	656000	664000	
Frequency [MHz]				3720	3840	3960	
40	QPSK	1	1	15.99	16.12	16.13	17.0
							0.0
Channel				647334	656000	664668	
Frequency [MHz]				3710.01	3840	3970.02	
20	QPSK	1	1	16.02	16.08	16.05	17.0
							0.0
Channel				647168	656000	665334	
Frequency [MHz]				3707.52	3840	3972.51	
15	QPSK	1	1	15.97	16.11	16.03	17.0
							0.0
Channel				647000	656000	666000	
Frequency [MHz]				3705	3840	3975	
10	QPSK	1	1	16.06	16.07	16.11	17.0
							0.0

Part27Q n77 PC2&PC3 Ant5 NSA DSI3											
BW [MHz]	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			15.08				
Frequency (MHz)				3500.01							
100	PI2 BPSK	1	1		15.98		17.0	0.0			
100	PI2 BPSK	1	137		15.15						
100	PI2 BPSK	1	271		15.25		17.0	0.0			
100	PI2 BPSK	135	0		15.87						
100	PI2 BPSK	135	69		15.89		17.0	0.0			
100	PI2 BPSK	135	135		15.74						
100	PI2 BPSK	270	0		15.83		17.0	0.0			
100	QPSK	1	1		15.17						
100	QPSK	1	137		16.06		17.0	0.0			
100	QPSK	1	271		15.31						
100	QPSK	135	0		15.94		17.0	0.0			
100	QPSK	135	69		15.94						
100	QPSK	135	135		15.87		17.0	0.0			
100	QPSK	270	0		15.55						
100	16QAM	1	1		15.24		17.0	0.0			
100	64QAM	1	1		15.18						
100	256QAM	1	1		15.47		17.0	0.0			
Channel				633000	633334	633668					
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dBm)				
90	QPSK	1	1	15.97	16.00	15.91	17.0	0.0			
Channel				630968	633334	634000	Tune-up limit (dBm)				
Frequency (MHz)				3490.02	3500.01	3510.01	MPR				
80	QPSK	1	1	15.99	15.99	15.97	17.0	0.0			
Channel				632334	633334	634334	Tune-up limit (dBm)				
Frequency (MHz)				3495.01	3500.01	3515.01	MPR				
70	QPSK	1	1	15.99	15.91	16.00	17.0	0.0			
Channel				632000	633334	634668	Tune-up limit (dBm)				
Frequency (MHz)				3490	3500.01	3510.02	MPR				
60	QPSK	1	1	16.01	16.03	15.99	17.0	0.0			
Channel				631668	633334	635000	Tune-up limit (dBm)				
Frequency (MHz)				3479.02	3500.01	3520.01	MPR				
50	QPSK	1	1	16.00	15.97	16.01	17.0	0.0			
Channel				631334	633334	635334	Tune-up limit (dBm)				
Frequency (MHz)				3470.01	3500.01	3530.01	MPR				
40	QPSK	1	1	15.94	15.95	16.02	17.0	0.0			
Channel				630968	633334	636000	Tune-up limit (dBm)				
Frequency (MHz)				3460.02	3500.01	3540	MPR				
20	QPSK	1	1	15.94	15.98	16.01	17.0	0.0			
Channel				630500	633334	636168	Tune-up limit (dBm)				
Frequency (MHz)				3457.5	3500.01	3542.52	MPR				
15	QPSK	1	1	15.96	16.03	15.99	17.0	0.0			
Channel				630334	633334	636334	Tune-up limit (dBm)				
Frequency (MHz)				3450.01	3500.01	3545.01	MPR				
10	QPSK	1	1	16.02	16.01	15.98	17.0	0.0			

Part27Q n78 PC3 Ant5 NSA DSI3											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dbm)	MPR (db)			
Channel				650000			16.14				
Frequency (MHz)				3750							
100	PI2 BPSK	1	1		15.14		17.0	0.0			
100	PI2 BPSK	1	137		15.34						
100	PI2 BPSK	1	271		15.72		17.0	0.0			
100	PI2 BPSK	135	0		15.77						
100	PI2 BPSK	135	69		16.20		17.0	0.0			
100	PI2 BPSK	135	138		16.06						
100	PI2 BPSK	270	0		16.08		17.0	0.0			
100	QPSK	1	1		15.53						
100	QPSK	1	137		16.30		17.0	0.0			
100	QPSK	1	271		15.72						
100	QPSK	135	0		15.80		17.0	0.0			
100	QPSK	135	69		16.24						
100	QPSK	135	138		15.99		17.0	0.0			
100	QPSK	270	0		16.16						
100	16QAM	1	1		15.24		17.0	0.0			
100	64QAM	1	1		15.15						
100	256QAM	1	1		15.61		17.0	0.0			
Channel				649968	650000	650034					
Frequency (MHz)				3745.02	3750	3755.01	Tune-up limit (dbm)				
90	QPSK	1	1	16.18	16.18	16.12	17.0	0.0			
Channel				649334	650000	650968	Tune-up limit (dbm)				
Frequency (MHz)				3740.01	3750	3760.02	MPR (db)				
80	QPSK	1	1	16.18	16.19	16.15	17.0	0.0			
Channel				649000	650000	651000	Tune-up limit (dbm)				
Frequency (MHz)				3735	3750	3765	MPR (db)				
70	QPSK	1	1	16.17	16.23	16.17	17.0	0.0			
Channel				648668	650000	651334	Tune-up limit (dbm)				
Frequency (MHz)				3730.02	3750	3770.01	MPR (db)				
60	QPSK	1	1	16.12	16.17	16.15	17.0	0.0			
Channel				648334	650000	651668	Tune-up limit (dbm)				
Frequency (MHz)				3725.01	3750	3775.02	MPR (db)				
50	QPSK	1	1	16.18	16.18	16.17	17.0	0.0			
Channel				648000	650000	652000	Tune-up limit (dbm)				
Frequency (MHz)				3720	3750	3780	MPR (db)				
40	QPSK	1	1	16.17	16.20	16.20	17.0	0.0			
Channel				647668	650000	652334	Tune-up limit (dbm)				
Frequency (MHz)				3715.02	3750	3785.01	MPR (db)				
30	QPSK	1	1	16.13	16.23	16.21	17.0	0.0			
Channel				647334	650000	652668	Tune-up limit (dbm)				
Frequency (MHz)				3710.01	3750	3790.02	MPR (db)				
20	QPSK	1	1	16.12	16.16	16.19	17.0	0.0			
Channel				647000	650000	653000	Tune-up limit (dbm)				
Frequency (MHz)				3705	3750	3795	MPR (db)				
15	QPSK	1	1	16.16	16.20	16.14	17.0	0.0			
Channel				646700	650000	653300	Tune-up limit (dbm)				
Frequency (MHz)				3700	3750	3790	MPR (db)				
10	QPSK	1	1	16.16	16.23	16.22	17.0	0.0			

Part27Q n78 PC3 Ant5 NSA DSI3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				653334			16.30		
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		16.30		17.0	0.0	
100	PI2 BPSK	1	137		15.46				
100	PI2 BPSK	1	271		16.10		17.0	0.0	
100	PI2 BPSK	135	0		16.06				
100	PI2 BPSK	135	69		16.33		17.0	0.0	
100	PI2 BPSK	135	136		16.31				
100	PI2 BPSK	270	0		16.27		17.0	0.0	
100	QPSK	1	1		15.56				
100	QPSK	1	137		16.36		17.0	0.0	
100	QPSK	1	271		16.10				
100	QPSK	135	0		16.12		17.0	0.0	
100	QPSK	135	69		16.23				
100	QPSK	135	136		16.22		17.0	0.0	
100	QPSK	270	0		16.36				
100	16QAM	1	1		15.60		17.0	0.0	
100	64QAM	1	1		15.50				
100	256QAM	1	1		15.87		17.0	0.0	
Channel				653000	653334	653668			
Frequency (MHz)				3500.01	3505.02		Tune-up limit (dB)	MPR (dB)	
90	QPSK	1	1	16.14	16.25	16.33	17.0	0.0	
	Channel				650668	653334			
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	16.15	16.23	16.30	17.0	0.0	
	Channel				652334	653334			
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	16.23	16.25	16.25	17.0	0.0	
	Channel				652000	653334			
Frequency (MHz)				3480	3500.01	3520.02	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	16.17	16.30	16.31	17.0	0.0	
	Channel				651668	653334			
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	16.23	16.25	16.27	17.0	0.0	
	Channel				651334	653334			
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	16.16	16.30	16.28	17.0	0.0	
	Channel				651000	653334			
Frequency (MHz)				3465	3500.01	3535.02	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	16.14	16.34	16.27	17.0	0.0	
	Channel				650634	653334			
Frequency (MHz)				3462.81	3500.01	3537.51	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	16.17	16.28	16.24	17.0	0.0	
	Channel				650668	653334			
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.16	16.30	16.32	17.0	0.0	
	Channel				650500	653334			
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	16.15	16.28	16.33	17.0	0.0	
	Channel				650535	653334			
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	16.16	16.31	16.31	17.0	0.0	



Reduced Power Mode for Sensor Off for 5G NR

n41 Ant3 SA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	526000			
Frequency (MHz)				2541.01	2592.99	2644.98			
100	P12 BPSK	1	1	19.77	19.85	19.80	20.0	0.0	0.0
100	P12 BPSK	1	137	19.76	19.83	19.59			
100	P12 BPSK	1	271	19.10	19.13	19.09			
100	P12 BPSK	135	0	19.20	19.29	19.19	20.0	0.0	0.0
100	P12 BPSK	135	69	19.70	19.72	19.69	20.0	0.0	0.0
100	P12 BPSK	135	138	19.52	19.69	19.60	20.0	0.0	0.0
100	P12 BPSK	270	0	19.65	19.65	19.65			
100	QPSK	1	1	19.75	19.96	19.90			
100	QPSK	1	137	19.85	19.85	19.79	20.0	0.0	0.0
100	QPSK	1	271	19.10	19.16	19.04	20.0	0.0	0.0
100	QPSK	135	0	19.29	19.40	19.27			
100	QPSK	135	69	19.67	19.75	19.65			
100	QPSK	135	138	19.53	19.69	19.55	20.0	0.0	0.0
100	QPSK	270	0	19.64	19.69	19.64	20.0	0.0	0.0
100	16QAM	1	1	18.56	18.68	18.51			
100	64QAM	1	1	18.46	18.53	18.47	20.0	0.0	0.0
100	256QAM	1	1	19.15	19.22	19.18	20.0	0.0	0.0
Channel				506200	518598	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541.01	2592.99	2644.98			
90	QPSK	1	1	19.56	19.76	19.64	20.0	0.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2548.02	2592.99	2648.98			
80	QPSK	1	1	19.57	19.77	19.67	20.0	0.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541.01	2592.99	2655.00			
70	QPSK	1	1	19.60	19.80	19.64	20.0	0.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.00	2592.99	2659.98			
60	QPSK	1	1	19.57	19.78	19.75	20.0	0.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	19.57	19.76	19.66	20.0	0.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670.00			
40	QPSK	1	1	19.58	19.79	19.67	20.0	0.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511.00	2592.99	2674.98			
30	QPSK	1	1	19.59	19.73	19.74	20.0	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	19.55	19.74	19.67	20.0	0.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.00	2592.99	2682.48			
15	QPSK	1	1	19.56	19.70	19.75	20.0	0.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685.00			
10	QPSK	1	1	19.59	19.79	19.70	20.0	0.0	0.0

n41 Ant3 PC2 SA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2541.01	2592.99	2640			
100	P12 BPSK	1	1	21.63	21.68	21.59	23.0	0.0	
100	P12 BPSK	1	137	22.59	22.60	22.45			
100	P12 BPSK	1	271	21.87	21.88	21.87			
100	P12 BPSK	135	0	21.96	22.04	21.94	23.0	0.0	
100	P12 BPSK	135	69	22.53	22.54	22.54	23.0	0.0	
100	P12 BPSK	135	138	22.40	22.55	22.37	23.0	0.0	
100	P12 BPSK	270	0	22.48	22.50	22.45	23.0	0.0	
100	QPSK	1	1	21.55	21.83	21.72	23.0	0.0	
100	QPSK	1	137	22.42	22.70	22.64			
100	QPSK	1	271	21.94	21.96	21.80			
100	QPSK	135	0	22.06	22.16	22.02	23.0	0.0	
100	QPSK	135	69	22.45	22.55	22.50	23.0	0.0	
100	QPSK	135	138	22.30	22.48	22.35	23.0	0.0	
100	QPSK	270	0	22.46	22.52	22.47	23.0	0.0	
100	16QAM	1	1	21.38	21.44	21.37	23.0	0.0	
100	64QAM	1	1	20.67	20.74	20.69	22.5	0.5	
100	256QAM	1	1	19.16	19.28	19.21	20.5	2.5	
Channel				506200	518598	528996	Tune-up limit	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.28	22.66	22.57	23.0	0.0	
Channel				507204	518598	529998	Tune-up limit	MPR (dB)	
Frequency (MHz)				2548.02	2592.99	2648.98			
80	QPSK	1	1	22.34	22.55	22.55	23.0	0.0	
Channel				506202	518598	531000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2541.01	2592.99	2655			
70	QPSK	1	1	22.29	22.59	22.60	23.0	0.0	
Channel				505200	518598	531996	Tune-up limit	MPR (dB)	
Frequency (MHz)				2538	2592.99	2659.98			
60	QPSK	1	1	22.37	22.61	22.52	23.0	0.0	
Channel				504204	518598	532998	Tune-up limit	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.27	22.85	22.53	23.0	0.0	
Channel				503202	518598	534000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.33	22.58	22.51	23.0	0.0	
Channel				502200	518598	534996	Tune-up limit	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.31	22.60	22.55	23.0	0.0	
Channel				501204	518598	535996	Tune-up limit	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.33	22.57	22.51	23.0	0.0	
Channel				500700	518598	536496	Tune-up limit	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.28	22.84	22.59	23.0	0.0	
Channel				500202	518598	537000	Tune-up limit	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.32	22.56	22.53	23.0	0.0	



Part270 n77 PC2&PC3 ANT3 SA Sensor Off									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				3745	3840	3935			
Frequency (MHz)				3745.02	3840.00	3935.01			
100	PI2 BPSK	1	1	17.64	17.81	17.73			
100	PI2 BPSK	1	137	16.78	16.88	16.80	18.5	0.0	
100	PI2 BPSK	1	271	17.08	17.06	17.01			
100	PI2 BPSK	135	0	17.37	17.51	17.34	18.5	0.0	
100	PI2 BPSK	135	69	17.60	17.66	17.46	18.5	0.0	
100	PI2 BPSK	135	138	17.66	17.51	17.45			
100	PI2 BPSK	270	0	17.62	17.80	17.54	18.5	0.0	
100	QPSK	1	1	16.75	16.85	16.66			
100	QPSK	1	137	17.68	17.82	17.79	18.5	0.0	
100	QPSK	1	271	17.11	17.16	17.03			
100	QPSK	135	0	17.44	17.47	17.54	18.5	0.0	
100	QPSK	135	69	17.58	17.65	17.52	18.5	0.0	
100	QPSK	135	138	17.38	17.55	17.50			
100	QPSK	270	0	17.53	17.57	17.47	18.5	0.0	
100	16QAM	1	1	16.76	16.74	16.66	18.5	0.0	
100	64QAM	1	1	16.59	16.64	16.53	18.5	0.0	
100	256QAM	1	1	17.19	17.16	17.15	18.5	0.0	
Channel				646968	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.60	17.75	17.66	18.5	0.0	
Channel				648334	656000	662668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3746.01	3840	3940.02			
80	QPSK	1	1	17.63	17.79	17.71	18.5	0.0	
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.61	17.67	17.68	18.5	0.0	
Channel				648666	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3733.02	3840	3940.01			
60	QPSK	1	1	17.63	17.69	17.71	18.5	0.0	
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.57	17.74	17.73	18.5	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.63	17.78	17.68	18.5	0.0	
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.58	17.77	17.68	18.5	0.0	
Channel				647666	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.53			
15	QPSK	1	1	17.61	17.67	17.74	18.5	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.64	17.73	17.69	18.5	0.0	

Part27Q n77 PC2&PC3 ANT3 SA Sensor Off									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
100	PI2 BPSK	1	1	17.15					
100	PI2 BPSK	1	137	16.59			18.5	0.0	
100	PI2 BPSK	1	271	16.54					
100	PI2 BPSK	135	0	17.09			18.5	0.0	
100	PI2 BPSK	135	69	17.12			18.5	0.0	
100	PI2 BPSK	135	138	16.90					
100	PI2 BPSK	270	0	16.95			18.5	0.0	
100	QPSK	1	1	16.57					
100	QPSK	1	137	17.20			18.5	0.0	
100	QPSK	1	271	16.54					
100	QPSK	135	0	17.06			18.5	0.0	
100	QPSK	135	69	17.17			18.5	0.0	
100	QPSK	135	138	16.86			18.5	0.0	
100	QPSK	270	0	16.93			18.5	0.0	
100	16QAM	1	1	16.66			18.5	0.0	
100	64QAM	1	1	16.54			18.5	0.0	
100	256QAM	1	1	17.08			18.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.14	17.08	17.12	18.5	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.15	17.11	17.12	18.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.08	17.12	17.16	18.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.15	17.05	17.06	18.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	17.11	17.09	17.08	18.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.13	17.06	17.15	18.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.10	17.13	17.12	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	17.05	17.17	17.11	18.5	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.08	17.07	17.16	18.5	0.0	

Part270 n78 Ant3 SA								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		18.80			
100	PI2 BPSK	1	137		17.84		18.5	0.0
100	PI2 BPSK	1	271		17.34			
100	PI2 BPSK	135	0		17.63		18.5	0.0
100	PI2 BPSK	135	69		17.88		18.5	0.0
100	PI2 BPSK	135	138		17.88		18.5	0.0
100	PI2 BPSK	270	0		17.84		18.5	0.0
100	QPSK	1	1		17.02			
100	QPSK	1	137		17.91		18.5	0.0
100	QPSK	1	271		17.12			
100	QPSK	135	0		17.88		18.5	0.0
100	QPSK	135	69		17.93		18.5	0.0
100	QPSK	135	138		17.71		18.5	0.0
100	QPSK	270	0		17.79		18.5	0.0
100	16QAM	1	1		17.21		17.5	1.0
100	64QAM	1	1		16.78		17.5	1.0
100	256QAM	1	1		16.19		18.5	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.74	17.77	17.79	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.77	17.75	17.83	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.73	17.79	17.84	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.79	17.79	17.83	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.73	17.78	17.78	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.82	17.77	17.87	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.77	17.75	17.83	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.75	17.79	17.82	18.5	0.0
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.82	17.74	17.84	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.74	17.79	17.86	18.5	0.0

Part27Q n78 Ant3 SA								
BW [MHz]	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	PI2 BPSK	1	1		16.93			
100	PI2 BPSK	1	137		17.90		18.5	0.0
100	PI2 BPSK	1	271		17.47			
100	PI2 BPSK	135	0		17.77		18.5	0.0
100	PI2 BPSK	135	69		17.89		18.5	0.0
100	PI2 BPSK	135	138		17.81		18.5	0.0
100	PI2 BPSK	270	0		17.88		18.5	0.0
100	QPSK	1	1		16.91			
100	QPSK	1	137		17.70		18.5	0.0
100	QPSK	1	271		17.26			
100	QPSK	135	0		17.80		18.5	0.0
100	QPSK	135	69		17.97		18.5	0.0
100	QPSK	135	138		17.79		18.5	0.0
100	QPSK	270	0		17.88		18.5	0.0
100	16QAM	1	1		17.32		17.5	1.0
100	64QAM	1	1		16.84		17.5	1.0
100	256QAM	1	1		16.32		18.5	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.80	17.89	17.86	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.74	17.84	17.82	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.77	17.83	17.83	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.75	17.82	17.83	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.81	17.85	17.85	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.75	17.82	17.81	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.75	17.87	17.84	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.77	17.85	17.80	18.5	0.0
Channel				630300	633334	636368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.75	17.83	17.86	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.83	17.84	17.88	18.5	0.0

Part270 n77 PC2&PC3 ANT3 NSA Sensor Off

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				660000	660000	660000	15.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	13.82	13.89	13.75	15.5	0.0
100	PI2 BPSK	1	137	14.59	14.79	14.80		
100	PI2 BPSK	1	271	14.00	14.09	14.04		
100	PI2 BPSK	135	0	14.42	14.47	14.49	15.5	0.0
100	PI2 BPSK	135	69	14.49	14.65	14.46	15.5	0.0
100	PI2 BPSK	135	135	14.51	14.54	14.52	15.5	0.0
100	PI2 BPSK	270	0	14.54	14.67	14.69		
100	QPSK	1	1	13.80	13.86	13.81		
100	QPSK	1	137	14.57	14.66	14.66	15.5	0.0
100	QPSK	1	271	14.11	14.25	13.95	15.5	0.0
100	QPSK	135	0	14.43	14.52	14.51		
100	QPSK	135	69	14.60	14.65	14.69		
100	QPSK	135	135	14.47	14.53	14.52	15.5	0.0
100	QPSK	270	0	14.51	14.61	14.38	15.5	0.0
100	16QAM	1	1	13.67	13.73	13.86		
100	64QAM	1	1	13.68	13.71	13.81		
100	256QAM	1	1	14.17	14.26	14.19	15.5	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	14.45	14.79	14.63	15.5	0.0
Channel				640334	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.48	14.75	14.57	15.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.44	14.81	14.53	15.5	0.0
Channel				648668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.54	14.77	14.60	15.5	0.0
Channel				646334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.51	14.76	14.63	15.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.45	14.74	14.61	15.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.44	14.71	14.53	15.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	14.54	14.78	14.57	15.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.44	14.72	14.59	15.5	0.0



Part27Q n77 PC2&PC3 ANT3 NSA Sensor Off									
BW [MHz]	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	633334				
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		14.27				
100	PI2 BPSK	1	137		15.01		15.5	0.0	
100	PI2 BPSK	1	271		14.25				
100	PI2 BPSK	135	0		15.03		15.5	0.0	
100	PI2 BPSK	135	69		15.07		15.5	0.0	
100	PI2 BPSK	135	138		14.80				
100	PI2 BPSK	270	0		14.77		15.5	0.0	
100	QPSK	1	1		14.38				
100	QPSK	1	137		15.05		15.5	0.0	
100	QPSK	1	271		14.32				
100	QPSK	135	0		14.98		15.5	0.0	
100	QPSK	135	69		15.06		15.5	0.0	
100	QPSK	135	138		14.78		15.5	0.0	
100	QPSK	270	0		14.80		15.5	0.0	
100	16QAM	1	1		14.81		15.5	0.0	
100	64QAM	1	1		14.34		15.5	0.0	
100	256QAM	1	1		14.80		15.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485	3500.01	3505.02	15.5	0.0	
90	QPSK	1	1	15.05	14.90	14.79	15.5	0.0	
Channel				632666	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480.02	3500.01	3510	15.5	0.0	
80	QPSK	1	1	15.01	14.96	14.95	15.5	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01	15.5	0.0	
70	QPSK	1	1	15.01	14.94	14.93	15.5	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02	15.5	0.0	
60	QPSK	1	1	15.01	14.90	14.98	15.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525	15.5	0.0	
50	QPSK	1	1	15.04	14.96	14.95	15.5	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01	15.5	0.0	
40	QPSK	1	1	15.07	14.91	14.90	15.5	0.0	
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465.02	3500.01	3540	15.5	0.0	
30	QPSK	1	1	15.06	14.89	14.99	15.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3461.5	3500.01	3542.52	15.5	0.0	
15	QPSK	1	1	14.99	14.97	14.96	15.5	0.0	
Channel				630134	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3456.01	3500.01	3545.01	15.5	0.0	
10	QPSK	1	1	15.04	14.94	14.94	15.5 <td>0.0<td></td></td>	0.0 <td></td>	

Part27O n78 ANT3 NSA									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		13.80		15.5	0.0	
100	PI2 BPSK	1	137		14.84				
100	PI2 BPSK	1	271		14.34				
100	PI2 BPSK	135	0		14.83				
100	PI2 BPSK	135	69		14.86		15.5	0.0	
100	PI2 BPSK	135	138		14.88		15.5	0.0	
100	PI2 BPSK	270	0		14.84				
100	QPSK	1	1		14.02		15.5	0.0	
100	QPSK	1	137		14.91				
100	QPSK	1	271		14.12		15.5	0.0	
100	QPSK	135	0		14.88				
100	QPSK	135	69		14.93		15.5	0.0	
100	QPSK	135	138		14.71		15.5	0.0	
100	QPSK	270	0		14.79		15.5	0.0	
100	16QAM	1	1		14.21		15.5	0.0	
100	64QAM	1	1		14.20		15.5	0.0	
100	256QAM	1	1		14.11		15.5	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01	15.5	0.0	
90	QPSK	1	1		14.81	14.81			
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02	15.5	0.0	
80	QPSK	1	1		14.74	14.80			
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765	15.5	0.0	
70	QPSK	1	1		14.82	14.83			
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01	15.5	0.0	
60	QPSK	1	1		14.78	14.83			
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02	15.5	0.0	
50	QPSK	1	1		14.79	14.80			
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780	15.5	0.0	
40	QPSK	1	1		14.74	14.83			
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01	15.5	0.0	
30	QPSK	1	1		14.75	14.83			
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02	15.5	0.0	
20	QPSK	1	1		14.76	14.77			
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.02	3750	3795.01	15.5	0.0	
15	QPSK	1	1		14.83	14.74			
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795	15.5	0.0	
10	QPSK	1	1		14.81	14.79			

Part27Q n78 ANT3 NSA								
BW (MHz)	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	PQ2 BPSK	1	1		13.93		15.5	0.0
100	PQ2 BPSK	1	137		14.90			
100	PQ2 BPSK	1	271		14.47			
100	PQ2 BPSK	135	0		14.77			
100	PQ2 BPSK	135	69		14.93		15.5	0.0
100	PQ2 BPSK	135	138		14.81		15.5	0.0
100	PQ2 BPSK	270	0		14.89			
100	QPSK	1	1		13.91			
100	QPSK	1	137		14.70			
100	QPSK	1	271		14.26		15.5	0.0
100	QPSK	135	0		14.90			
100	QPSK	135	69		14.97			
100	QPSK	135	138		14.79			
100	QPSK	270	0		14.88		15.5	0.0
100	16QAM	1	1		14.52			
100	64QAM	1	1		14.23			
100	256QAM	1	1		14.20			
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	14.77	14.87	14.83	15.5	0.0
Channel				632668	633333	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.83	14.83	14.82	15.5	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	14.82	14.83	14.89	15.5	0.0
Channel				632000	633333	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	14.77	14.85	14.81	15.5	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	14.80	14.83	14.89	15.5	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	14.77	14.86	14.88	15.5	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	14.84	14.96	14.90	15.5	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	14.77	14.82	14.80	15.5	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	14.80	14.82	14.81	15.5	0.0
Channel				630000	633334	636668	Tune-up limit	MPR
Frequency (MHz)				3450.01	3500.01	3540.01	(dBm)	(dB)
10	QPSK	1	1	14.81	14.90	14.82	15.5	0.0

Part27O n77 PC2 ANT 7 SA Sensor Off								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750	3840	3930		
100	PV2 BPSK	1	1	20.03	20.12	20.01	22.0	0.0
100	PV2 BPSK	1	137	20.96	21.02	20.98		
100	PV2 BPSK	1	271	20.11	20.21	20.15		
100	PV2 BPSK	135	0	20.15	20.18	20.12	22.0	0.0
100	PV2 BPSK	135	69	20.90	20.99	20.93	22.0	0.0
100	PV2 BPSK	135	138	20.06	20.14	20.05	22.0	0.0
100	PV2 BPSK	270	0	20.08	20.18	20.14		
100	QPSK	1	1	20.89	20.99	20.94		
100	QPSK	1	137	20.97	21.05	20.94	22.0	0.0
100	QPSK	1	271	20.01	20.09	20.05		
100	QPSK	135	0	20.08	20.16	20.10	22.0	0.0
100	QPSK	135	69	20.97	21.03	20.96	22.0	0.0
100	QPSK	135	138	20.13	20.23	20.20	22.0	0.0
100	QPSK	270	0	20.97	21.06	20.95		
100	16QAM	1	1	20.96	21.02	20.91	22.0	0.0
100	64QAM	1	1	19.85	19.88	19.79	21.5	0.5
100	256QAM	1	1	18.35	18.47	18.42	19.5	2.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.95	21.01	20.89		
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.00	20.99	20.93		
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.94	21.05	20.99		
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.94	21.03	20.95		
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.95	21.05	20.97		
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.00	21.04	20.93		
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.95	21.05	20.91		
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.95	21.04	20.92		
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.98	21.00	20.95		

Part27Q n77 PC2 ANT 7 SA Sensor Off								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495		3500.01		
100	PV2 BPSK	1	1	20.05		20.05	22.0	0.0
100	PV2 BPSK	1	137	20.98		20.98		
100	PV2 BPSK	1	271	20.17		20.17		
100	PV2 BPSK	135	0	20.97		20.97	22.0	0.0
100	PV2 BPSK	135	69	21.00		21.00	22.0	0.0
100	PV2 BPSK	135	138	21.04		21.04	22.0	0.0
100	PV2 BPSK	270	0	21.05		21.05		
100	QPSK	1	1	21.27		21.27		
100	QPSK	1	137	21.29		21.29	22.0	0.0
100	QPSK	1	271	20.41		20.41		
100	QPSK	135	0	21.09		21.09	22.0	0.0
100	QPSK	135	69	21.06		21.06	22.0	0.0
100	QPSK	135	138	20.91		20.91	22.0	0.0
100	QPSK	270	0	20.99		20.99		
100	16QAM	1	1	21.04		21.04	22.0	0.0
100	64QAM	1	1	19.86		19.86	21.5	0.5
100	256QAM	1	1	18.36		18.36	19.5	2.5
Channel				633000		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495		3500.01	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.96		21.02		
Channel				632668		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02		3500.01	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.95		20.96		
Channel				632334		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01		3500.01	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.90		20.94		
Channel				632000		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480		3500.01	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.86		20.95		
Channel				631668		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02		3500.01	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	20.93		21.00		
Channel				631334		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01		3500.01	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.91		20.96		
Channel				630668		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02		3500.01	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.95		21.01		
Channel				630500		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5		3500.01	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.92		21.01		
Channel				630334		633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01		3500.01	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.87		21.02		

Reduced Power Mode for Handheld on for 5GNR

n2 Ant0 SA DSI6									
BW [MHz]	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	23.5	0.0	
Frequency (MHz)				1865	1880	1895			
30	PV2 BPSK	1	1	21.98	22.04	21.86			
30	PV2 BPSK	1	80	22.38	22.45	22.24			
30	PV2 BPSK	1	158	22.01	22.05	21.97	23.5	0.0	
30	PV2 BPSK	80	0	22.18	22.20	22.10			
30	PV2 BPSK	80	40	22.15	22.31	22.25			
30	PV2 BPSK	80	80	22.00	22.09	21.94			
30	PV2 BPSK	160	0	22.09	22.11	22.04	23.5	0.0	
30	QPSK	1	1	22.34	22.40	22.13			
30	QPSK	1	80	22.29	22.49	22.19			
30	QPSK	1	158	21.80	21.97	21.84			
30	QPSK	80	0	22.15	22.22	22.11	23.5	0.0	
30	QPSK	80	40	22.14	22.25	22.15	23.5	0.0	
30	QPSK	80	80	21.90	22.02	21.89	23.5	0.0	
30	QPSK	160	0	22.15	22.24	22.14			
30	16QAM	1	1	21.70	21.72	21.68			
30	64QAM	1	1	21.68	21.73	21.64			
30	256QAM	1	1	21.01	21.02	21.05	23.0	0.5	
Channel				372500	376000	379500	23.5	0.0	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	22.28	22.34	22.08			
Channel				372000	376000	380000	23.5	0.0	
Frequency (MHz)				1860	1880	1900			
20	PV2 BPSK	1	1	21.92	21.98	21.82		0.0	
20	PV2 BPSK	1	53	22.34	22.41	22.19			
20	PV2 BPSK	1	104	21.97	22.02	21.92			
20	PV2 BPSK	50	0	22.13	22.16	22.07	23.5	0.0	
20	PV2 BPSK	50	28	22.10	22.25	22.20	23.5	0.0	
20	PV2 BPSK	50	56	21.96	22.03	21.89	23.5	0.0	
20	PV2 BPSK	100	0	22.04	22.04	22.00			
20	QPSK	1	1	22.29	22.33	22.09			
20	QPSK	1	53	22.28	22.45	22.16			
20	QPSK	1	104	21.75	21.93	21.80	23.0	1.0	
20	QPSK	50	0	22.10	22.17	22.05			
20	QPSK	50	28	22.09	22.18	22.12			
20	QPSK	50	56	21.83	21.96	21.86			
20	QPSK	100	0	22.09	22.19	22.10	23.5	0.0	
20	16QAM	1	1	21.65	21.68	21.62			
20	64QAM	1	1	21.63	21.66	21.61			
20	256QAM	1	1	20.97	20.98	21.00			
Channel				371500	376000	380500	23.5	0.0	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	1	21.69	21.69	21.59			
Channel				371000	376000	381000	23.5	0.0	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	1	21.70	21.65	21.62			
Channel				370500	376000	381500	23.5	0.0	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	1	21.72	21.72	21.63			

n25 Ant0 SA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376500	379000	23.5	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PV2 BPSK	1	1	22.16	22.24	22.17			
40	PV2 BPSK	1	108	22.26	22.28	22.20			
40	PV2 BPSK	1	214	22.33	21.58	22.13	23.5	0.0	
40	PV2 BPSK	108	0	21.97	22.02	21.93			
40	PV2 BPSK	108	54	22.20	22.25	22.18			
40	PV2 BPSK	108	108	22.02	22.13	22.07			
40	PV2 BPSK	216	0	21.95	22.06	22.05	23.5	0.0	
40	QPSK	1	1	22.17	22.26	22.22			
40	QPSK	1	108	22.17	22.37	22.20			
40	QPSK	1	214	22.13	21.66	21.58			
40	QPSK	108	0	21.89	22.01	21.93	23.5	0.0	
40	QPSK	108	54	22.07	22.24	22.13	23.5	0.0	
40	QPSK	108	108	22.04	22.09	21.98	23.5	0.0	
40	QPSK	216	0	22.13	22.23	22.03			
40	16QAM	1	1	21.64	21.73	21.65			
40	64QAM	1	1	21.61	21.66	21.65			
40	256QAM	1	1	21.03	21.07	21.01	23.0	0.5	
Channel				373000	376500	380000	23.5	0.0	
Frequency (MHz)				1865	1882.5	1900			
30	QPSK	1	1	22.01	22.15	22.16			
Channel				372500	376500	380500	23.5	0.0	
Frequency (MHz)				1862.5	1882.5	1902.5			
25	QPSK	1	1	22.10	22.06	21.96			
Channel				372000	376500	381000	23.5	0.0	
Frequency (MHz)				1860	1882.5	1905			
20	QPSK	1	1	22.05	22.18	22.07			
Channel				371500	376500	381500	23.5	0.0	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	22.03	22.16	22.14			
Channel				371000	376500	382000	23.5	0.0	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	22.08	22.05	22.03			
Channel				370500	376500	382500	23.5	0.0	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	22.01	22.03	22.10			

n7 Ant1 SA DSI6									
BW [MHz]	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	23.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	22.02	22.05	21.88			
50	PI/2 BPSK	1	135	22.02	21.93	21.93	23.0	0.0	
50	PI/2 BPSK	1	268	21.79	21.97	21.75			
50	PI/2 BPSK	135	0	21.96	22.06	21.95			
50	PI/2 BPSK	135	68	21.98	21.95	21.99	23.0	0.0	
50	PI/2 BPSK	135	135	21.79	21.91	21.69	23.0	0.0	
50	PI/2 BPSK	270	0	21.96	21.99	21.96			
50	QPSK	1	1	22.02	22.07	21.87	23.0	0.0	
50	QPSK	1	135	21.93	21.94	22.00			
50	QPSK	1	268	21.82	21.94	21.77			
50	QPSK	135	0	21.93	21.96	21.87	23.0	0.0	
50	QPSK	135	68	21.92	22.06	21.96	23.0	0.0	
50	QPSK	135	135	22.04	22.00	22.01	23.0	0.0	
50	QPSK	270	0	21.71	21.80	21.74			
50	16QAM	1	1	21.40	21.58	21.48	23.0	0.0	
50	64QAM	1	1	20.18	20.23	20.17	21.5	1.5	
50	256QAM	1	1	18.73	18.86	18.76	19.5	3.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	23.0	0.0	
40	QPSK	1	1	21.97	22.04	21.85			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	23.0	0.0	
30	QPSK	1	1	21.93	22.05	21.80			
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	23.0	0.0	
25	QPSK	1	1	21.97	22.06	21.77			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	23.0	0.0	
20	PI/2 BPSK	1	1	21.97	22.00	21.84			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	23.0	0.0	
15	QPSK	1	1	22.01	22.06	21.82			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	23.0	0.0	
10	QPSK	1	1	21.96	21.98	21.86			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	23.0	0.0	
5	QPSK	1	1	21.94	22.00	21.83			

n30 Ant1 SA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					462000		2310	23.0	0.0
Frequency (MHz)									
10	PI/2 BPSK	1	1		21.88		23.0		0.0
10	PI/2 BPSK	1	26		21.63				
10	PI/2 BPSK	1	50		21.71				
10	PI/2 BPSK	25	0		21.79				
10	PI/2 BPSK	25	14		21.83		23.0		0.0
10	PI/2 BPSK	25	27		21.66		23.0		0.0
10	PI/2 BPSK	50	0		21.80				
10	QPSK	1	1		21.91		23.0		0.0
10	QPSK	1	26		21.87				
10	QPSK	1	50		21.70				
10	QPSK	25	0		21.82				
10	QPSK	25	14		21.82		23.0		0.0
10	QPSK	25	27		21.64		23.0		0.0
10	QPSK	50	0		21.80				
10	16QAM	1	1		21.46		23.0		0.0
10	64QAM	1	1		21.39		23.0		0.0
10	256QAM	1	1		21.50		23.0		0.0
Channel					461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)					2307.5	2310	2312.5	23.0	0.0
5	QPSK	1	1	21.76	21.87	21.78			

n41 PC2&PC3 Ant1 SA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000	21.0	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	20.41	20.48	20.38			
100	PI/2 BPSK	1	137	20.41	20.46	20.47			
100	PI/2 BPSK	1	271	20.38	20.47	20.42	21.0	0.0	
100	PI/2 BPSK	135	0	20.40	20.43	20.38			
100	PI/2 BPSK	135	69	20.39	20.51	20.45			
100	PI/2 BPSK	135	138	20.43	20.38	20.45			
100	PI/2 BPSK	270	0	20.42	20.39	20.42	21.0	0.0	
100	QPSK	1	1	20.46	20.43	20.42			
100	QPSK	1	137	20.37	20.47	20.43			
100	QPSK	1	271	20.37	20.41	20.38			
100	QPSK	135	0	20.48	20.45	20.41	21.0	0.0	
100	QPSK	135	69	20.41	20.53	20.44			
100	QPSK	135	138	20.36	20.45	20.41			
100	QPSK	270	0	20.38	20.46	20.43			
100	16QAM	1	1	20.42	20.47	20.43	21.0	0.0	
100	64QAM	1	1	20.45	20.52	20.45			
100	256QAM	1	1	20.38	20.41	20.43			
Channel				508200	518598	528996	21.0	0.0	
Frequency (MHz)				2541	2592.99	2644.88			
90	QPSK	1	1	20.42	20.41	20.38			
Channel				507204	518598	529998	21.0	0.0	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	20.49	20.46	20.44			
Channel				506202	518598	531000	21.0	0.0	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.45	20.48	20.43			
Channel				505200	518598	531996	21.0	0.0	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	20.40	20.48	20.41			
Channel				504204	518598	532998	21.0	0.0	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.43	20.49	20.39			
Channel				503202	518598	534000	21.0	0.0	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.42	20.46	20.37			
Channel				502200	518598	534996	21.0	0.0	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.49	20.50	20.40			
Channel				501204	518598	535998	21.0	0.0	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.44	20.41	20.41			
Channel				500700	518598	536996	21.0	0.0	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.47	20.49	20.44			
Channel				500202	518598	537000	21.0	0.0	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.42	20.45	20.36			

n41 PC2 Ant4 SA DSI6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000	23.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.59	21.65	21.53		
100	PI/2 BPSK	1	137	21.93	21.95	21.88		
100	PI/2 BPSK	1	271	21.54	21.68	21.56	23.5	0.0
100	PI/2 BPSK	135	0	21.54	21.63	21.51		
100	PI/2 BPSK	135	69	21.89	21.93	21.87		
100	PI/2 BPSK	135	138	21.62	21.62	21.64		
100	PI/2 BPSK	270	0	21.56	21.66	21.51	23.5	0.0
100	QPSK	1	1	21.61	21.57	21.64		
100	QPSK	1	137	21.93	21.97	21.96		
100	QPSK	1	271	21.57	21.66	21.53		
100	QPSK	135	0	21.62	21.66	21.57	23.5	0.0
100	QPSK	135	69	21.91	21.96	21.93	23.5	0.0
100	QPSK	135	138	21.54	21.66	21.53	23.5	0.0
100	QPSK	270	0	21.91	21.97	21.91		
100	16QAM	1	1	21.62	21.62	21.59		
100	64QAM	1	1	20.55	20.62	20.52		
100	256QAM	1	1	18.60	18.68	18.56	20.5	3.0
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98	23.5	0.0
90	QPSK	1	1	21.61	21.59	21.51		
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.56	21.66	21.56	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655	23.5	0.0
70	QPSK	1	1	21.56	21.64	21.52		
Channel				505200	518598	531996		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.55	21.63	21.58	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99	23.5	0.0
50	QPSK	1	1	21.55	21.57	21.54		
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.63	21.69	21.62	23.5	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98	23.5	0.0
30	QPSK	1	1	21.57	21.69	21.63		
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.55	21.62	21.61	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48	23.5	0.0
15	QPSK	1	1	21.62	21.67	21.60		
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.58	21.66	21.52	23.5	0.0

n48 Ant5 SA DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				640000	641066	643332			
Frequency (MHz)				3600	3624.99	3649.98			
100	PI/2 BPSK	1	1	21.84	21.93	21.83	23.0	0.0	
100	PI/2 BPSK	1	137	22.38	22.62	22.45			
100	PI/2 BPSK	1	271	21.59	21.83	21.60			
100	PI/2 BPSK	135	0	22.31	22.40	22.28			
100	PI/2 BPSK	135	69	22.43	22.47	22.57	23.0	0.0	
100	PI/2 BPSK	135	135	22.34	22.30	22.38	23.0	0.0	
100	PI/2 BPSK	270	0	22.33	22.33	22.32			
100	QPSK	1	1	21.83	21.90	21.66	23.0	0.0	
100	QPSK	1	137	22.56	22.65	22.44			
100	QPSK	1	271	21.72	21.69	21.71			
100	QPSK	135	0	22.33	22.48	22.34			
100	QPSK	135	69	22.45	22.55	22.51	23.0	0.0	
100	QPSK	135	135	22.40	22.45	22.20	23.0	0.0	
100	QPSK	270	0	22.29	22.48	22.33			
100	16QAM	1	1	21.81	21.73	21.85	23.0	0.0	
100	64QAM	1	1	21.75	21.70	21.98	23.0	0.0	
100	256QAM	1	1	21.79	21.89	21.81	22.0	1.0	
Channel				636668	641066	643666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3595.02	3624.99	3654.99			
90	QPSK	1	1	22.44	22.53	22.38	23.0	0.0	
Channel				633334	641066	643332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3590.01	3624.99	3650			
80	QPSK	1	1	22.48	22.55	22.30	23.0	0.0	
Channel				636668	641066	644666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3590.02	3624.99	3658.99			
60	QPSK	1	1	22.43	22.59	22.36	23.0	0.0	
Channel				638334	641066	645000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3575.01	3624.99	3675			
50	QPSK	1	1	22.49	22.51	22.30	23.0	0.0	
Channel				638000	641066	643332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3570	3624.99	3678.98			
40	QPSK	1	1	22.43	22.57	22.30	23.0	0.0	
Channel				637334	641066	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3560.01	3624.99	3690			
20	QPSK	1	1	22.41	22.54	22.30	23.0	0.0	
Channel				637168	641066	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.82	3624.99	3692.49			
15	QPSK	1	1	22.50	22.60	22.30	23.0	0.0	
Channel				637000	641066	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	22.51	22.58	22.39	23.0	0.0	

Part270 n77 PC2&PC3 Ant5 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	660000	660000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.02	20.09	20.08	21.0	0.0
100	PI2 BPSK	1	137	19.22	19.42	19.42		
100	PI2 BPSK	1	271	19.38	19.43	19.38		
100	PI2 BPSK	138	0	19.91	19.99	19.89	21.0	0.0
100	PI2 BPSK	138	69	20.14	20.20	20.01	21.0	0.0
100	PI2 BPSK	138	138	19.91	20.03	19.89	21.0	0.0
100	PI2 BPSK	270	0	19.96	20.01	19.95		
100	QPSK	1	1	19.50	19.52	19.49	21.0	0.0
100	QPSK	1	137	20.12	20.21	20.16		
100	QPSK	1	271	19.43	19.36	19.36		
100	QPSK	138	0	20.02	20.02	20.04	21.0	0.0
100	QPSK	138	69	19.97	20.10	20.06	21.0	0.0
100	QPSK	138	138	19.82	19.89	19.84	21.0	0.0
100	QPSK	270	0	19.97	20.00	19.89	21.0	0.0
100	MQAM	1	1	19.34	19.36	19.25		
100	64QAM	1	1	19.14	19.21	19.02		
100	256QAM	1	1	19.61	19.72	19.74	21.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.98	20.14	20.11	21.0	0.0
Channel				648334	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.02	20.11	20.08	21.0	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	19.98	20.13	20.08	21.0	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.08	20.14	20.06	21.0	0.0
Channel				648334	650000	650988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3970.02		
50	QPSK	1	1	19.99	20.10	20.09	21.0	0.0
Channel				648000	650000	650400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.99	20.09	20.04	21.0	0.0
Channel				647334	650000	650488	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3718.01	3840	3970.02		
20	QPSK	1	1	20.07	20.08	20.12	21.0	0.0
Channel				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.99	20.15	20.05	21.0	0.0
Channel				647000	650000	650980	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.00	20.07	20.10	21.0	0.0

Part27Q n77 PC2&PC3 Ant5 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tuneup limit (dBm)	MPR (dB)
Channel				633334				
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		20.04		21.0	0.0
100	PI2 BPSK	1	137		19.06			
100	PI2 BPSK	1	271		19.48			
100	PI2 BPSK	138	0		19.92		21.0	0.0
100	PI2 BPSK	138	69		20.11		21.0	0.0
100	PI2 BPSK	138	138		20.00		21.0	0.0
100	PI2 BPSK	270	0		19.92			
100	QPSK	1	1		19.14		21.0	0.0
100	QPSK	1	137		20.15			
100	QPSK	1	271		19.55			
100	QPSK	138	0		19.98		21.0	0.0
100	QPSK	138	69		20.12		21.0	0.0
100	QPSK	138	138		19.99		21.0	0.0
100	QPSK	270	0		20.17		21.0	0.0
100	16QAM	1	1		19.16			
100	64QAM	1	1		19.03			
100	256QAM	1	1		19.63		21.0	0.0
Channel				633000	633334	633668	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.08	20.10	20.02	21.0	0.0
Channel				632668	633334	634000	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.12	20.04	20.02	21.0	0.0
Channel				632334	633334	634334	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.11	20.11	20.01	21.0	0.0
Channel				632000	633334	634668	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.04	20.07	20.12	21.0	0.0
Channel				631668	633334	635000	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.05	20.05	20.07	21.0	0.0
Channel				631334	633334	635334	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.02	20.08	20.10	21.0	0.0
Channel				630988	633334	635600	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3468.02	3500.01	3540		
20	QPSK	1	1	20.11	20.01	20.08	21.0	0.0
Channel				630600	633334	636168	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.01	20.12	20.11	21.0	0.0
Channel				630334	633334	636334	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3454.01	3500.01	3545.01		
10	QPSK	1	1	20.11	20.03	20.04	21.0	0.0

Part27O n78 PC3 Ant5 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				37500	37500	37500			
100	PI2 BPSK	1	1		20.22		21.0	0.0	
100	PI2 BPSK	1	137		19.44				
100	PI2 BPSK	1	271		19.59				
100	PI2 BPSK	135	0		19.81		21.0	0.0	
100	PI2 BPSK	135	69		20.10		21.0	0.0	
100	PI2 BPSK	135	138		20.05		21.0	0.0	
100	PI2 BPSK	270	0		20.07				
100	QPSK	1	1		19.41				
100	QPSK	1	137		20.31		21.0	0.0	
100	QPSK	1	271		19.75				
100	QPSK	135	0		19.90		21.0	0.0	
100	QPSK	135	69		20.28		21.0	0.0	
100	QPSK	135	138		20.02		21.0	0.0	
100	QPSK	270	0		20.09				
100	16QAM	1	1		19.17		21.0	0.0	
100	64QAM	1	1		19.17		21.0	0.0	
100	256QAM	1	1		19.71		21.0	0.0	
Channel				650968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	37500	3755.01			
90	QPSK	1	1		20.18	20.14	20.30	21.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	37500	3760.02			
80	QPSK	1	1		20.19	20.14	20.29	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37350	37500	37650			
70	QPSK	1	1		20.13	20.17	20.30	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	37500	3770.01			
60	QPSK	1	1		20.19	20.21	20.22	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	37500	3775.02			
50	QPSK	1	1		20.13	20.15	20.24	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37200	37500	37800			
40	QPSK	1	1		20.17	20.18	20.28	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3716.02	37500	3786.01			
30	QPSK	1	1		20.14	20.20	20.28	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	37500	3790.02			
20	QPSK	1	1		20.14	20.20	20.30	21.0	0.0
Channel				647000	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3703.52	37500	3793.51			
15	QPSK	1	1		20.13	20.13	20.26	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				37050	37500	37950			
10	QPSK	1	1		20.16	20.14	20.29	21.0	0.0

Part27Q n78 PC3 Ant5 SA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tuneup limit (dBm)	MPR (dB)	
Channel					63334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		20.11				
100	PI2 BPSK	1	137		19.32		21.0	0.0	
100	PI2 BPSK	1	271		19.89				
100	PI2 BPSK	135	0		19.67		21.0	0.0	
100	PI2 BPSK	135	69		20.19		21.0	0.0	
100	PI2 BPSK	135	138		20.04		21.0		
100	PI2 BPSK	270	0		20.11		21.0	0.0	
100	QPSK	1	1		19.24				
100	QPSK	1	137		20.25		21.0	0.0	
100	QPSK	1	271		19.95				
100	QPSK	135	0		19.92		21.0	0.0	
100	QPSK	135	69		20.20		21.0	0.0	
100	QPSK	135	138		20.15		21.0	0.0	
100	QPSK	270	0		20.21				
100	16QAM	1	1		19.38		21.0	0.0	
100	64QAM	1	1		19.30		21.0	0.0	
100	256QAM	1	1		19.63		21.0	0.0	
Channel				633000	633334	633668	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		20.13	20.15	20.07	21.0	0.0
Channel				632668	633334	634000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		20.12	20.15	20.12	21.0	0.0
Channel				632334	633334	634334	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		20.12	20.16	20.04	21.0	0.0
Channel				632000	633334	634668	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		20.12	20.11	20.06	21.0	0.0
Channel				631668	633334	635000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		20.16	20.16	20.10	21.0	0.0
Channel				631334	633334	635334	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		20.15	20.17	20.07	21.0	0.0
Channel				631000	633334	635668	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		20.12	20.15	20.11	21.0	0.0
Channel				630634	633334	635834	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.01	3500.01	3537.01			
25	QPSK	1	1		20.14	20.14	20.09	21.0	0.0
Channel				630668	633334	636000	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		20.17	20.13	20.09	21.0	0.0
Channel				630500	633334	636168	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.0	3500.01	3542.52			
15	QPSK	1	1		20.17	20.17	20.13	21.0	0.0
Channel				630334	633334	636334	Tuneup limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		20.13	20.11	20.05	21.0	0.0



n2 Ant0 NSA DSI6									
BW [MHz]	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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1885			
30	PI2 BPSK	1	1	19.48	19.61	19.45	21.0	0.0	
30	PI2 BPSK	1	80	19.82	19.90	19.87			
30	PI2 BPSK	1	158	19.49	19.54	19.46			
30	PI2 BPSK	80	0	19.79	19.81	19.78	21.0	0.0	
30	PI2 BPSK	80	40	19.84	19.87	19.77	21.0	0.0	
30	PI2 BPSK	80	80	19.56	19.56	19.57	21.0	0.0	
30	PI2 BPSK	160	0	19.69	19.80	19.65			
30	QPSK	1	1	19.49	19.67	19.57			
30	QPSK	1	80	19.88	19.95	19.86	21.0	0.0	
30	QPSK	1	158	19.40	19.54	19.46	21.0	0.0	
30	QPSK	80	0	19.73	19.85	19.72			
30	QPSK	80	40	19.80	19.92	19.79			
30	QPSK	80	80	19.63	19.68	19.62	21.0	0.0	
30	QPSK	160	0	19.66	19.77	19.65	21.0	0.0	
30	16QAM	1	1	19.30	19.38	19.28			
30	64QAM	1	1	19.26	19.37	19.21			
30	256QAM	1	1	19.59	19.56	19.53	21.0	0.0	
Channel				372500	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1887.5	21.0 <td colspan="2">0.0</td>	0.0	
25	QPSK	1	1	19.45	19.61	19.50	Tune-up limit (dBm)	MPR (dB)	
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900	Tune-up limit (dBm)	MPR (dB)	
20	PI2 BPSK	1	1	19.44	19.57	19.39			
20	PI2 BPSK	1	53	19.78	19.85	19.83	21.0	0.0	
20	PI2 BPSK	1	104	19.42	19.51	19.42	21.0	0.0	
20	PI2 BPSK	80	0	19.76	19.78	19.73			
20	PI2 BPSK	50	28	19.80	19.83	19.72			
20	PI2 BPSK	50	56	19.52	19.59	19.52	21.0	0.0	
20	PI2 BPSK	100	0	19.65	19.73	19.62			
20	QPSK	1	1	19.42	19.63	19.51			
20	QPSK	1	53	19.84	19.90	19.83	21.0	0.0	
20	QPSK	1	104	19.35	19.50	19.42			
20	QPSK	50	0	19.67	19.81	19.68		23.0	1.0
20	QPSK	50	28	19.77	19.86	19.73	24.0		
20	QPSK	50	56	19.57	19.64	19.59	23.0		
20	QPSK	100	0	19.62	19.73	19.61	23.0		
20	16QAM	1	1	19.26	19.34	19.23	21.0		
20	64QAM	1	1	19.23	19.32	19.17	21.0	0.0	
20	256QAM	1	1	19.52	19.53	19.47	21.0		
Channel				371500	376000	380500	Tune-up limit (dBm)		MPR (dB)
Frequency (MHz)				1857.5	1880	1922.5	21.0 <td colspan="2">0.0</td>	0.0	
15	QPSK	1	1	19.54	19.55	19.50	Tune-up limit (dBm)	MPR (dB)	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.81	19.89	19.86			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1897.5	21.0 <td colspan="2">0.0</td>	0.0	
5	QPSK	1	1	19.45	19.55	19.53	21.0	0.0	

n5 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				167000	167000	167000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				836.5	836.5	836.5				
25	PI2 BPSK	1	1	22.52	22.52	22.52	24.0	0.0		
25	PI2 BPSK	1	80	22.73	22.69	22.69				
25	PI2 BPSK	1	158	22.69	22.69	22.69				
25	PI2 BPSK	80	0	22.37	22.37	22.37	23.5	0.5		
25	PI2 BPSK	80	40	22.79	22.79	22.79	23.5	0.5		
25	PI2 BPSK	80	80	22.43	22.43	22.43				
25	PI2 BPSK	160	0	22.47	22.47	22.47				
25	QPSK	1	1	22.76	22.76	22.76	24.0	0.0		
25	QPSK	1	80	22.70	22.70	22.70				
25	QPSK	1	158	22.65	22.65	22.65				
25	QPSK	80	0	21.89	21.89	21.89	23.0	1.0		
25	QPSK	80	40	22.90	22.90	22.90	24.0	0.0		
25	QPSK	80	80	21.91	21.91	21.91				
25	QPSK	160	0	21.88	21.88	21.88				
25	16QAM	1	1	21.23	21.23	21.23	23.0	1.0		
25	64QAM	1	1	19.75	19.75	19.75	21.5	2.5		
25	256QAM	1	1	18.44	18.44	18.44	19.5	4.5		
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				834	836.5	839	Tune-up limit (dBm)	MPR (dB)		
20	PI2 BPSK	1	1	22.47	22.49	22.37				
20	PI2 BPSK	1	53	22.64	22.68	22.56	24.0	0.0		
20	PI2 BPSK	1	104	22.50	22.60	22.54				
20	PI2 BPSK	50	0	22.15	22.36	22.14				
20	PI2 BPSK	50	28	22.64	22.73	22.66	23.5	0.5		
20	PI2 BPSK	50	56	22.22	22.36	22.31	23.5	0.5		
20	PI2 BPSK	100	0	22.30	22.43	22.36				
20	QPSK	1	1	22.56	22.67	22.57				
20	QPSK	1	53	22.61	22.66	22.55	24.0	0.0		
20	QPSK	1	104	22.52	22.58	22.51				
20	QPSK	50	0	21.67	21.86	21.77	23.0	1.0		
20	QPSK	50	28	22.70	22.67	22.61	23.0	0.0		
20	QPSK	50	56	21.81	21.91	21.75				
20	QPSK	100	0	21.88	21.95	21.79				
20	16QAM	1	1	21.05	21.17	21.12	23.0	1.0		
20	64QAM	1	1	19.64	19.69	19.63	21.5	2.5		
20	256QAM	1	1	18.34	18.36	18.32	19.5	4.5		
Channel				165800	167000	168200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5 <th>836.5<th>841.5</th><th rowspan="2">Tune-up limit (dBm)</th><th colspan="2" rowspan="2">MPR (dB)</th></th>	836.5 <th>841.5</th> <th rowspan="2">Tune-up limit (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	841.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	22.58	22.65	22.68				24.0
Channel				165800	167300	168800	Tune-up limit (dBm)			
Frequency (MHz)				829 <th>836.5<th>844</th><th rowspan="2">Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	836.5 <th>844</th> <th rowspan="2">Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	844	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	22.68	22.62	22.51		24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)			
Frequency (MHz)				826.5 <th>836.5<th>846.5</th><th rowspan="2">Tune-up limit (dBm)</th><th colspan="2">MPR (dB)</th></th>	836.5 <th>846.5</th> <th rowspan="2">Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	846.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	22.67	22.67	22.72		24.0		

n12 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				141300	141500	141700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	707.5	708.5				
15	PI2 BPSK	1	1	22.77	22.83	22.74	24.0	0.0		
15	PI2 BPSK	1	40	22.76	22.79	22.69				
15	PI2 BPSK	1	77	22.66	22.70	22.58				
15	PI2 BPSK	36	0	22.26	22.32	22.23	23.5	0.5	0.0	
15	PI2 BPSK	36	22	22.74	22.80	22.71	24.0	0.0		
15	PI2 BPSK	36	43	22.19	22.33	22.20	23.5	0.5		
15	PI2 BPSK	75	0	22.28	22.36	22.29				
15	QPSK	1	1	22.85	22.67	22.82				
15	QPSK	1	40	22.67	22.75	22.61	24.0	0.0		
15	QPSK	1	77	22.63	22.69	22.56				
15	QPSK	36	0	21.73	21.79	21.67	23.0	1.0	0.0	
15	QPSK	36	22	22.76	22.83	22.79	24.0	0.0		
15	QPSK	36	43	21.79	21.84	21.79	23.0	1.0		
15	QPSK	75	0	21.87	21.88	21.83	23.0	1.0		
15	16QAM	1	1	21.24	21.36	21.30	23.0	1.0	0.0	
15	64QAM	1	1	19.99	20.07	19.99	21.5	2.5		
15	256QAM	1	1	18.56	18.65	18.61	19.5	4.5		
Channel				140800	141000	142200	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				704	707.5	711				
10	QPSK	1	1	22.77	22.76	22.77	24.0	0.0		
Channel <th>142000</th> <th>141500</th> <th>142700</th> <th rowspan="2">Tune-up limit (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>				142000	141500	142700	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz) <th>707.5</th>				707.5	707.5 <th>713.5</th>	713.5				
5	QPSK	1	1	22.72	22.76	22.70	24.0	0.0		



n14 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				166500					
Frequency (MHz)				703					
10	PI2 BPSK	1	1		22.56		24.0		0.0
10	PI2 BPSK	1	26		22.52				
10	PI2 BPSK	1	50		22.44				
10	PI2 BPSK	25	0		22.12				
10	PI2 BPSK	25	14		22.56		23.5		0.5
10	PI2 BPSK	25	27		21.94		23.5		0.5
10	PI2 BPSK	50	0		22.01				
10	QPSK	1	1		22.58		24.0		
10	QPSK	1	26		22.53				
10	QPSK	1	50		22.47				
10	QPSK	25	0		21.58				
10	QPSK	25	14		22.55		23.0		1.0
10	QPSK	25	27		21.43		23.0		1.0
10	QPSK	50	0		21.50				
10	16QAM	1	1		21.29		23.0		1.0
10	64QAM	1	1		19.84		21.5		2.5
10	256QAM	1	1		18.54		19.5		4.5
Channel				158100	159500	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1	22.44	22.53	22.47	24.0		0.0

n25 Ant0 NSA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	19.10	19.16	19.05	21.0		0.0
40	PI2 BPSK	1	108	19.86	19.93	19.87			
40	PI2 BPSK	1	214	19.08	19.14	19.06			
40	PI2 BPSK	108	0	19.72	19.72	19.63			
40	PI2 BPSK	108	54	19.82	19.92	19.75	21.0		0.0
40	PI2 BPSK	108	108	19.59	19.69	19.64	21.0		0.0
40	PI2 BPSK	216	0	19.68	19.75	19.67			
40	QPSK	1	1	19.06	19.16	19.07	21.0		0.0
40	QPSK	1	108	19.93	19.95	19.91			
40	QPSK	1	214	19.02	19.17	19.02			
40	QPSK	108	0	19.62	19.69	19.58			
40	QPSK	108	54	19.70	19.84	19.76	21.0		0.0
40	QPSK	108	108	19.63	19.62	19.60	21.0		0.0
40	QPSK	216	0	19.62	19.77	19.71			
40	16QAM	1	1	19.04	19.21	19.05	21.0		0.0
40	64QAM	1	1	19.10	19.12	19.11	21.0		0.0
40	256QAM	1	1	19.54	19.64	19.46	20.5		0.5
Channel				373000	376000	380000			
Frequency (MHz)				1885	1882.5	1900			
30	QPSK	1	1	19.13	19.10	19.04	21.0		0.0
Channel				372000	375000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1882.5	1902.5			
25	QPSK	1	1	19.06	19.11	19.06	21.0		0.0
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1890	1882.5	1900			
20	QPSK	1	1	19.04	19.09	19.11	21.0		0.0
Channel				371000	375000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1882.5	1907.5			
15	QPSK	1	1	19.10	19.02	19.01	21.0		0.0
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1910			
10	QPSK	1	1	19.08	19.06	19.02	21.0		0.0
Channel				370000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1912.5			
5	QPSK	1	1	19.01	19.07	19.06	21.0		0.0

n26 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				164800	166000	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.61	22.73	22.66	24.0	0.0	
20	PI2 BPSK	1	53	22.61	22.69	22.65			
20	PI2 BPSK	1	104	22.61	22.67	22.54			
20	PI2 BPSK	50	0	22.07	22.14	22.08			23.5
20	PI2 BPSK	50	26	22.54	22.66	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.21	22.29	22.17	23.5	0.5	
20	PI2 BPSK	100	0	22.24	22.35	22.26			
20	QPSK	1	1	22.73	22.76	22.69	24.0	0.0	
20	QPSK	1	53	22.57	22.69	22.54			
20	QPSK	1	104	22.53	22.64	22.52			
20	QPSK	50	0	21.94	21.67	21.61			23.0
20	QPSK	50	26	22.66	22.75	22.71	24.0	0.0	
20	QPSK	50	56	21.70	21.79	21.66	23.0	1.0	
20	QPSK	100	0	21.74	21.82	21.62	23.0	1.0	
20	16QAM	1	1	21.21	21.30	21.16	23.0	1.0	
20	16QAM	1	1	19.68	19.74	19.71	21.5	2.5	
20	256QAM	1	1	18.41	18.46	18.38	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	22.59	22.67	22.62	#REF!	0.0	
Channel				163800	166000	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.59	22.63	22.58	#REF!	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.67	22.72	22.59	#REF!	0.0	



n66 Ant0 NSA DSI6									
BW [MHz]	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	346000	352000			
Frequency (MHz)				1725	1740	1750			
40	P12 BPSK	1	1	20.04	20.09	20.01	22.0	0.0	
40	P12 BPSK	1	108	20.90	21.03	20.88			
40	P12 BPSK	1	214	20.03	20.08	20.06			
40	P12 BPSK	108	0	20.19	20.31	20.19			
40	P12 BPSK	108	54	20.08	20.77	20.72	22.0	0.0	
40	P12 BPSK	108	108	20.25	20.32	20.17	22.0	0.0	
40	P12 BPSK	216	0	20.30	20.34	20.27			
40	QPSK	1	1	20.04	20.15	20.08			
40	QPSK	1	108	21.17	21.23	21.09			
40	QPSK	1	214	20.02	20.09	20.07	22.0	0.0	
40	QPSK	108	0	20.27	20.38	20.31			
40	QPSK	108	54	20.91	20.94	20.80			
40	QPSK	108	108	20.23	20.28	20.16			
40	QPSK	216	0	20.22	20.33	20.28	22.0	0.0	
40	16QAM	1	1	20.07	20.12	20.08			
40	64QAM	1	1	20.01	20.08	20.04			
40	256QAM	1	1	20.45	20.52	20.49			
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	21.08	21.19	21.05	22.0	0.0	
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	21.06	21.17	21.05	22.0	0.0	
Channel				344000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	21.06	21.13	20.95	22.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	21.07	21.10	21.01	22.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1774			
10	QPSK	1	1	21.07	21.19	20.96	22.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	21.06	21.11	20.95	22.0	0.0	

n70 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				340000					
Frequency (MHz)				1702.5					
15	P12 BPSK	1	1		22.88		24.0	0.0	
15	P12 BPSK	1	40		22.95				
15	P12 BPSK	1	77		22.40				
15	P12 BPSK	36	0		22.44				
15	P12 BPSK	36	22		22.51		24.0	0.0	
15	P12 BPSK	36	43		22.64		24.0	0.0	
15	P12 BPSK	75	0		22.90				
15	QPSK	1	1		22.73				
15	QPSK	1	40		22.51				
15	QPSK	1	77		22.44		24.0	0.0	
15	QPSK	36	0		22.38				
15	QPSK	36	22		22.70				
15	QPSK	36	43		22.98				
15	QPSK	75	0		22.86		24.0	0.0	
15	16QAM	1	1		22.49				
15	16QAM	1	1		22.98				
15	256QAM	1	1		21.45				
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.59	22.65	22.63	24.0	0.0	
Channel				339000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.61	22.63	22.60	24.0	0.0	

n71 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				136000	136100	137000			
Frequency (MHz)				673	680.5	688			
20	P12 BPSK	1	1	22.67	22.70	22.58	24.0	0.0	
20	P12 BPSK	1	53	22.49	22.64	22.52			
20	P12 BPSK	1	104	22.38	22.42	22.33			
20	P12 BPSK	50	0	22.94	22.09	21.98			
20	P12 BPSK	50	26	22.61	22.88	22.54	24.0	0.0	
20	P12 BPSK	50	56	22.03	22.06	21.97	23.5	0.5	
20	P12 BPSK	100	0	22.06	22.11	21.98			
20	QPSK	1	1	22.72	22.77	22.69			
20	QPSK	1	53	22.49	22.60	22.52			
20	QPSK	1	104	22.49	22.53	22.45	24.0	0.0	
20	QPSK	50	0	21.92	21.57	21.45			
20	QPSK	50	26	22.73	22.75	22.70			
20	QPSK	50	56	21.49	21.61	21.52			
20	QPSK	100	0	21.68	21.76	21.72	23.0	1.0	
20	16QAM	1	1	21.43	21.49	21.35			
20	16QAM	1	1	19.79	19.88	19.75			
20	256QAM	1	1	18.33	18.46	18.38			
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.66	22.71	22.62	24.0	0.0	
Channel				133000	136100	139000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.60	22.73	22.55	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668.5	680.5	696.5			
5	QPSK	1	1	22.63	22.69	22.62	24.0	0.0	

n7 Ant1 NSA DSI6									
BW [MHz]	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	18.07	18.13	18.10	19.5	0.0	
50	PI/2 BPSK	1	135	18.58	18.62	18.51			
50	PI/2 BPSK	1	268	18.17	18.31	18.26			
50	PI/2 BPSK	135	0	18.45	18.56	18.50			
50	PI/2 BPSK	135	68	18.41	18.55	18.47	19.5	0.0	
50	PI/2 BPSK	135	135	18.44	18.49	18.44	19.5	0.0	
50	PI/2 BPSK	270	0	18.59	18.63	18.51			
50	QPSK	1	1	18.14	18.27	18.16	19.5	0.0	
50	QPSK	1	135	18.66	18.70	18.57			
50	QPSK	1	268	18.15	18.23	18.15			
50	QPSK	135	0	18.30	18.40	18.31		0.0	
50	QPSK	135	68	18.39	18.52	18.41	19.5	0.0	
50	QPSK	135	135	18.46	18.51	18.44	19.5	0.0	
50	QPSK	270	0	18.39	18.54	18.50			
50	16QAM	1	1	17.84	17.98	17.95	19.5	0.0	
50	64QAM	1	1	17.84	17.87	17.72	19.5	0.0	
50	256QAM	1	1	17.93	18.06	17.98	19.5	0.0	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	18.61	18.66	18.51		0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.55	18.63	18.52		0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.58	18.67	18.51		0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI/2 BPSK	1	1	18.59	18.60	18.46		0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.61	18.65	18.50		0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.62	18.64	18.46		0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.55	18.60	18.48		0.0	

n30 Ant1 NSA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						462000			
Frequency (MHz)						2310			
10	PI/2 BPSK	1	1			19.45	20.5	0.0	
10	PI/2 BPSK	1	26			19.34			
10	PI/2 BPSK	1	50			19.35			
10	PI/2 BPSK	25	0			19.29			
10	PI/2 BPSK	25	14			19.50	20.5	0.0	
10	PI/2 BPSK	25	27			19.27		0.0	
10	PI/2 BPSK	50	0			19.40	20.5	0.0	
10	QPSK	1	1			19.52			
10	QPSK	1	26			19.50			
10	QPSK	1	50			19.37			
10	QPSK	25	0			19.45	20.5	0.0	
10	QPSK	25	14			19.47		0.0	
10	QPSK	25	27			19.32	20.5	0.0	
10	QPSK	50	0			19.41			
10	16QAM	1	1			19.13	20.5	0.0	
10	64QAM	1	1			19.07	20.5	0.0	
10	256QAM	1	1			19.24	20.5	0.0	
Channel						461500	462000	462500	Tune-up limit (dBm)
Frequency (MHz)						2307.5	2310	2312.5	MPR (dB)
5	QPSK	1	1			19.40	19.45	19.39	20.5

n41 PC2&PC3 Ant1 NSA DSI6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				508202	518598	530000	19.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PQ2 BPSK	1	1	18.98	19.02	18.96	19.5	0.0
100	PQ2 BPSK	1	137	19.19	19.25	19.09		
100	PQ2 BPSK	1	271	18.97	19.01	18.93		
100	PQ2 BPSK	135	0	19.20	19.25	19.04	19.5	0.0
100	PQ2 BPSK	135	69	18.94	18.99	18.91		
100	PQ2 BPSK	135	138	19.15	19.21	19.07		
100	PQ2 BPSK	270	0	18.85	18.04	18.91	19.5	0.0
100	QPSK	1	1	18.99	19.04	19.10		
100	QPSK	1	137	19.06	19.26	19.11		
100	QPSK	1	271	18.94	19.04	18.93	19.5	0.0
100	QPSK	135	0	19.11	19.15	19.03		
100	QPSK	135	69	19.05	19.17	19.11		
100	QPSK	135	138	18.88	18.86	18.94	19.5	0.0
100	QPSK	270	0	18.86	19.10	18.83		
100	16QAM	1	1	18.99	18.99	18.92		
100	64QAM	1	1	19.04	19.02	19.03	19.5	0.0
100	256QAM	1	1	18.66	18.78	18.65		
Channel				508200	518598	528998	19.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.98	19.04	19.08	19.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.98	19.06	19.08	19.5	0.0
Channel				506202	518598	531000		
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.98	19.01	19.07	19.5	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.95	18.98	19.05	19.5	0.0
Channel				504204	518598	532998		
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.98	18.98	19.11	19.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.00	19.03	19.08	19.5	0.0
Channel				502200	518598	534998		
Frequency (MHz)				2511	2592.99	2681.99		
30	QPSK	1	1	18.95	19.05	19.04	19.5	0.0
Channel				501204	518598	535998		
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.96	18.99	19.06	19.5	0.0
Channel				500700	518598	536498		
Frequency (MHz)				2501.5	2592.99	2682.49		
15	QPSK	1	1	18.98	18.99	19.11	19.5	0.0
Channel				500202	518598	537000		
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.99	19.03	19.07	19.5	0.0



n2 Ant4 NSA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37200	37600	37600	22.0	0.0	
Frequency (MHz)				1865	1880	1885			
30	PI2 BPSK	1	1	20.28	20.32	20.24			
30	PI2 BPSK	1	80	20.55	20.69	20.57	22.0	0.0	
30	PI2 BPSK	1	158	20.18	20.27	20.20			
30	PI2 BPSK	80	0	20.43	20.57	20.43			
30	PI2 BPSK	80	40	20.53	20.61	20.48	22.0	0.0	
30	PI2 BPSK	80	80	20.34	20.39	20.29	22.0	0.0	
30	PI2 BPSK	160	0	20.31	20.44	20.35			
30	QPSK	1	1	20.21	20.36	20.32			
30	QPSK	1	50	20.68	20.75	20.81	22.0	0.0	
30	QPSK	1	158	20.18	20.24	20.10	22.0	0.0	
30	QPSK	80	0	20.44	20.54	20.45			
30	QPSK	80	40	20.61	20.68	20.58			
30	QPSK	80	80	20.34	20.42	20.37	22.0	0.0	
30	QPSK	160	0	20.35	20.49	20.34	22.0	0.0	
30	16QAM	1	1	20.08	20.12	20.04			
30	16QAM	1	1	20.02	20.06	20.15			
30	256QAM	1	1	19.38	19.52	19.46	21.0	1.0	
Channel				37500	37600	37600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1887.5	22.0	0.0	
25	QPSK	1	1	20.15	20.31	20.25	22.0	0.0	
Channel				37200	37600	37600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1880	22.0	0.0	
20	PI2 BPSK	1	1	20.25	20.25	20.18			
20	PI2 BPSK	1	53	20.51	20.63	20.53			
20	PI2 BPSK	1	104	20.13	20.21	20.15	22.0	0.0	
20	PI2 BPSK	80	0	20.38	20.51	20.39	22.0	0.0	
20	PI2 BPSK	80	28	20.50	20.56	20.43	22.0	0.0	
20	PI2 BPSK	50	56	20.28	20.32	20.25	22.0	0.0	
20	PI2 BPSK	100	0	20.27	20.41	20.31			
20	QPSK	1	1	20.16	20.31	20.28			
20	QPSK	1	53	20.61	20.68	20.55	22.0	0.0	
20	QPSK	1	104	20.12	20.20	20.05	23.0	1.0	
20	QPSK	50	0	20.40	20.48	20.41			
20	QPSK	50	28	20.57	20.63	20.53			
20	QPSK	50	56	20.28	20.38	20.30	23.0	1.0	
20	QPSK	100	0	20.31	20.43	20.29	22.0	0.0	
20	16QAM	1	1	20.02	20.06	20.00			
20	16QAM	1	1	19.98	20.01	20.12			
20	256QAM	1	1	19.33	19.48	19.42	21.0	1.0	
Channel				37100	37600	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1837.5	1880	1862.5	22.0	0.0	
15	QPSK	1	1	20.61	20.70	20.50	22.0	0.0	
Channel				37000	37600	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1805	22.0	0.0	
10	QPSK	1	1	20.55	20.62	20.55			
Channel				37050	37600	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1807.5	22.0	0.0	
5	QPSK	1	1	20.50	20.65	20.54	22.0	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				16700	16700	16700	24.0	0.0	
Frequency (MHz)				836.5	836.5	836.5			
25	PI2 BPSK	1	1	22.28	22.28	22.28			
25	PI2 BPSK	1	80	22.49	22.49	22.49	23.5	0.5	
25	PI2 BPSK	1	158	22.42	22.42	22.42			
25	PI2 BPSK	80	0	22.08	22.08	22.08			
25	PI2 BPSK	80	40	22.54	22.54	22.54	24.0	0.0	
25	PI2 BPSK	80	80	22.11	22.11	22.11	23.5	0.5	
25	PI2 BPSK	160	0	22.17	22.17	22.17			
25	QPSK	1	1	22.52	22.52	22.52			
25	QPSK	1	80	22.32	22.32	22.32	24.0	0.0	
25	QPSK	1	158	22.39	22.39	22.39	23.0	1.0	
25	QPSK	80	0	21.58	21.58	21.58			
25	QPSK	80	40	22.05	22.05	22.05			
25	QPSK	80	80	21.62	21.62	21.62	23.0	1.0	
25	QPSK	160	0	21.65	21.65	21.65	23.0	1.0	
25	16QAM	1	1	21.09	21.09	21.09			
25	16QAM	1	1	19.57	19.57	19.57			
25	256QAM	1	1	18.31	18.31	18.31	19.5	4.5	
Channel				166800	167300	167800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834	836.5	838	24.0	0.0	
20	PI2 BPSK	1	1	22.18	22.25	22.15			
20	PI2 BPSK	1	53	22.33	22.42	22.33			
20	PI2 BPSK	1	104	22.23	22.38	22.25	23.5	0.5	
20	PI2 BPSK	50	0	21.88	22.02	21.97			
20	PI2 BPSK	50	28	22.43	22.51	22.38			
20	PI2 BPSK	50	56	21.97	22.08	21.90	24.0	0.0	
20	PI2 BPSK	100	0	22.05	22.11	22.00			
20	QPSK	1	1	22.34	22.46	22.37			
20	QPSK	1	53	22.15	22.26	22.14	24.0	0.0	
20	QPSK	1	104	22.20	22.36	22.22	23.0	1.0	
20	QPSK	50	0	21.45	21.51	21.38			
20	QPSK	50	28	22.47	22.60	22.47			
20	QPSK	50	56	21.52	21.56	21.45	23.0	1.0	
20	QPSK	100	0	21.55	21.60	21.54	23.0	1.0	
20	16QAM	1	1	20.98	21.03	21.01			
20	16QAM	1	1	19.47	19.51	19.48			
20	256QAM	1	1	18.13	18.25	18.13	19.5	4.5	
Channel				168200	167200	167200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0	
15	QPSK	1	1	22.45	22.53	22.42			
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	844	24.0	0.0	
10	QPSK	1	1	22.47	22.56	22.41			
Channel				165300	167200	167200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.45	22.60	22.44			

n7 Ant4 NSA DSI6									
BW (MHz)	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	510000	22.5	0.0	
Frequency (MHz)				2505	2535	2545			
50	PI2 BPSK	1	1	21.47	21.50	21.42			
50	PI2 BPSK	1	135	21.72	21.78	21.74	22.5	0.0	
50	PI2 BPSK	1	268	21.57	21.62	21.47			
50	PI2 BPSK	135	0	21.57	21.65	21.61			
50	PI2 BPSK	135	68	21.75	21.80	21.68	22.5	0.0	
50	PI2 BPSK	135	135	21.67	21.79	21.67	22.5	0.0	
50	PI2 BPSK	270	0	21.71	21.83	21.69			
50	QPSK	1	1	21.78	21.68	21.73			
50	QPSK	1	135	21.41	21.52	21.42	22.5	0.0	
50	QPSK	1	268	21.59	21.63	21.55	22.5	0.0	
50	QPSK	135	0	21.58	21.69	21.58			
50	QPSK	135	68	21.67	21.81	21.72			
50	QPSK	135	135	21.59	21.71	21.67	22.5	0.0	
50	QPSK	270	0	21.69	21.78	21.60	22.5	0.0	
50	16QAM	1	1	21.10	21.18	21.06			
50	64QAM	1	1	20.10	20.25	20.12			
50	256QAM	1	1	18.80	18.96	18.83	19.5	3.0	
Channel				504000	507000	510000	22.5	0.0	
Frequency (MHz)				2505	2535	2550			
45	QPSK	1	1	21.64	21.75	21.64			
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2545	2555			
30	QPSK	1	1	21.73	21.79	21.65			
Channel				505000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	21.72	21.84	21.67			
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	PI2 BPSK	1	1	21.75	21.82	21.61			
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.71	21.74	21.68			
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	21.74	21.78	21.67			
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.70	21.78	21.63			



n12 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				141500	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.17	22.22	22.09			
15	PI2 BPSK	1	40	22.05	22.10	22.03	24.0	0.0	
15	PI2 BPSK	1	77	22.05	22.11	22.05			
15	PI2 BPSK	36	0	21.54	21.63	21.53	23.5	0.5	
15	PI2 BPSK	36	22	22.04	22.11	22.06	24.0	0.0	
15	PI2 BPSK	36	43	21.61	21.65	21.60	23.5	0.5	
15	PI2 BPSK	75	0	21.62	21.67	21.52			
15	QPSK	1	1	22.26	22.31	22.24	24.0	0.0	
15	QPSK	1	40	22.08	22.14	22.07			
15	QPSK	1	77	22.02	22.10	22.06	23.0	1.0	
15	QPSK	36	0	21.08	21.11	21.03			
15	QPSK	36	22	22.11	22.26	22.17	24.0	0.0	
15	QPSK	36	43	21.14	21.22	21.08	23.0	1.0	
15	QPSK	75	0	21.22	21.28	21.23	23.0	1.0	
15	IQOAM	1	1	21.23	21.31	21.18			
15	IQOAM	1	1	19.59	19.68	19.54	21.5	2.5	
15	256QAM	1	1	17.84	17.95	17.90	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.17	22.27	22.22	24.0	0.0	
Channel				141500	141500	142000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				707.5	707.5	713.5			
5	QPSK	1	1	22.14	22.28	22.23	24.0	0.0	

n25 Ant4 NSA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				314200	316300	318000			
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	20.06	20.12	20.07			
40	PI2 BPSK	1	108	20.57	20.71	20.60	22.0	0.0	
40	PI2 BPSK	1	214	20.05	20.16	20.08			
40	PI2 BPSK	108	0	20.37	20.43	20.35	22.0	0.0	
40	PI2 BPSK	108	54	20.52	20.59	20.54	22.0	0.0	
40	PI2 BPSK	108	108	20.38	20.41	20.30	22.0	0.0	
40	PI2 BPSK	216	0	20.44	20.49	20.38			
40	QPSK	1	1	20.05	20.18	20.10	22.0	0.0	
40	QPSK	1	108	20.70	20.78	20.68			
40	QPSK	1	214	20.01	20.14	20.06	22.0	0.0	
40	QPSK	108	0	20.27	20.35	20.28			
40	QPSK	108	54	20.41	20.55	20.42	22.0	0.0	
40	QPSK	108	108	20.29	20.39	20.28	22.0	0.0	
40	QPSK	216	0	20.37	20.45	20.37	22.0	0.0	
40	IQOAM	1	1	20.17	20.26	20.12			
40	IQOAM	1	1	20.11	20.21	20.16	22.0	0.0	
40	256QAM	1	1	19.79	19.92	19.83	21.0	1.0	
Channel				317500	316500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1900			
30	QPSK	1	1	20.63	20.69	20.53	22.0	0.0	
Channel				317500	316300	316500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1882.5			
25	QPSK	1	1	20.67	20.59	20.58	22.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1890	1882.5	1905			
20	QPSK	1	1	20.59	20.70	20.54	22.0	0.0	
Channel				371000	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1882.5	1887.5			
15	QPSK	1	1	20.60	20.67	20.59	22.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1882.5	1910			
10	QPSK	1	1	20.66	20.81	20.60	22.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1912.5			
5	QPSK	1	1	20.62	20.64	20.65	22.0	0.0	

n26 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				166500	166500	167800			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.32	22.39	22.29			
20	PI2 BPSK	1	53	22.26	22.32	22.20	24.0	0.0	
20	PI2 BPSK	1	104	22.22	22.25	22.15			
20	PI2 BPSK	50	0	21.76	21.85	21.78	23.5	0.5	
20	PI2 BPSK	50	26	22.18	22.22	22.15	24.0	0.0	
20	PI2 BPSK	50	56	21.72	21.76	21.72	23.5	0.5	
20	PI2 BPSK	100	0	21.76	21.86	21.79			
20	QPSK	1	1	22.42	22.45	22.39	24.0	0.0	
20	QPSK	1	53	22.22	22.33	22.25			
20	QPSK	1	104	22.15	22.23	22.11	23.0	1.0	
20	QPSK	50	0	21.12	21.22	21.07			
20	QPSK	50	26	22.23	22.28	22.27	24.0	0.0	
20	QPSK	50	56	21.28	21.37	21.27	23.0	1.0	
20	QPSK	100	0	21.39	21.48	21.41	23.0	1.0	
20	IQOAM	1	1	21.44	21.50	21.43			
20	IQOAM	1	1	19.72	19.85	19.77	21.5	2.5	
20	256QAM	1	1	18.01	18.10	18.06	19.5	4.5	
Channel				164300	166500	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	1	22.30	22.36	22.34	#REF!	0.0	
Channel				165500	165500	165900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.39	22.41	22.31	#REF!	0.0	
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.38	22.31	22.24	#REF!	0.0	



n30 Ant4 NSA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	PV2 BPSK	1	1	20.31			22.0	0.0	
10	PV2 BPSK	1	26	20.36					
10	PV2 BPSK	1	50	20.28					
10	PV2 BPSK	25	0	20.35					
10	PV2 BPSK	25	14	20.39			22.0	0.0	
10	PV2 BPSK	25	27	20.36			22.0	0.0	
10	PV2 BPSK	50	0	20.40					
10	PV2 BPSK	1	1	20.41					
10	QPSK	1	26	20.31					0.0
10	QPSK	1	50	20.26			22.0	0.0	
10	QPSK	25	0	20.34			22.0	0.0	
10	QPSK	25	14	20.38			22.0	0.0	
10	QPSK	25	27	20.30			22.0	0.0	
10	QPSK	50	0	20.32					
10	MQAM	1	1	20.13			22.0	0.0	
10	MQAM	1	1	19.58			21.5	0.5	
10	256QAM	1	1	18.13			19.5	2.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	20.30	20.37	20.33	22.0	0.0	

n66 Ant4 NSA DSI6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	345000	350000			
Frequency (MHz)				1730	1745	1760			
40	PV2 BPSK	1	1	18.17	18.28	18.17	20.0	0.0	
40	PV2 BPSK	1	108	18.63	18.65	18.65			
40	PV2 BPSK	1	214	18.04	18.10	18.01			
40	PV2 BPSK	108	0	18.68	18.75	18.65			0.0
40	PV2 BPSK	108	54	18.61	18.70	18.54	20.0	0.0	
40	PV2 BPSK	108	108	18.55	18.64	18.62	20.0	0.0	
40	PV2 BPSK	216	0	18.75	18.72	18.72			
40	QPSK	1	1	18.17	18.27	18.17			
40	QPSK	1	108	18.70	18.69	18.79			0.0
40	QPSK	1	214	18.09	18.17	18.12	20.0	0.0	
40	QPSK	108	0	18.71	18.77	18.79			
40	QPSK	108	54	18.66	18.75	18.62			0.0
40	QPSK	108	108	18.64	18.75	18.66	20.0	0.0	
40	QPSK	216	0	18.76	18.77	18.73			
40	16QAM	1	1	18.08	18.10	18.02	20.0	0.0	
40	64QAM	1	1	18.01	18.09	18.04	20.0	0.0	
40	256QAM	1	1	18.50	18.62	18.55	20.0	0.0	
Channel				345000	346000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	18.09	18.26	18.16	20.0	0.0	
Channel				345000	350000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	18.08	18.25	18.17	20.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	18.13	18.20	18.14	20.0	0.0	
Channel				343000	348000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	18.13	18.21	18.13	20.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	18.15	18.20	18.13	20.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	18.15	18.20	18.10	20.0	0.0	

n71 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				136000	136100	137000			
Frequency (MHz)				673	680.5	688			
20	PV2 BPSK	1	1	22.49	22.53	22.40	24.0	0.0	
20	PV2 BPSK	1	53	22.37	22.40	22.30			
20	PV2 BPSK	1	104	22.23	22.37	22.29			
20	PV2 BPSK	50	0	21.88	21.98	21.93			0.5
20	PV2 BPSK	50	26	22.20	22.33	22.26	24.0	0.0	
20	PV2 BPSK	50	56	21.76	21.86	21.76	23.5	0.5	
20	PV2 BPSK	100	0	21.81	21.95	21.82			
20	QPSK	1	1	22.51	22.55	22.47			
20	QPSK	1	53	22.36	22.47	22.42			0.0
20	QPSK	1	104	22.24	22.29	22.25	24.0	1.0	
20	QPSK	50	0	21.30	21.34	21.23			
20	QPSK	50	26	22.35	22.43	22.39			0.0
20	QPSK	50	56	21.32	21.44	21.32	23.0	1.0	
20	QPSK	100	0	21.42	21.49	21.45			
20	MQAM	1	1	21.50	21.62	21.54	23.0	1.0	
20	MQAM	1	1	19.96	20.02	19.95	21.5	2.5	
20	256QAM	1	1	18.14	18.20	18.06	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.41	22.48	22.37	24.0	0.0	
Channel				133500	136100	137000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.44	22.43	22.38	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	696.5			
5	QPSK	1	1	22.38	22.45	22.35	24.0	0.0	

Part270 n77 PC2&PC3 Ant5 NSA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.31	15.55	15.32		
100	PI2 BPSK	1	137	16.08	16.18	15.99	17.0	0.0
100	PI2 BPSK	1	271	15.30	15.45	15.33		
100	PI2 BPSK	135	0	15.90	16.11	15.85	17.0	0.0
100	PI2 BPSK	135	69	16.05	16.16	16.07	17.0	0.0
100	PI2 BPSK	135	138	15.92	16.03	15.95		
100	PI2 BPSK	270	0	15.88	16.08	15.98	17.0	0.0
100	QPSK	1	1	15.46	15.51	15.43		
100	QPSK	1	137	16.12	16.22	16.17	17.0	0.0
100	QPSK	1	271	15.31	15.42	15.38		
100	QPSK	135	0	15.95	15.94	15.91	17.0	0.0
100	QPSK	135	69	15.96	16.11	16.00	17.0	0.0
100	QPSK	135	138	15.81	15.83	15.82	17.0	0.0
100	QPSK	270	0	15.82	16.06	15.95		
100	16QAM	1	1	15.38	15.26	15.25	17.0	0.0
100	64QAM	1	1	15.12	15.20	15.04	17.0	0.0
100	256QAM	1	1	15.73	15.73	15.75	17.0	0.0
Channel				649698	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.03	16.10	16.07	17.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.01	16.17	16.08	17.0	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.00	16.13	16.07	17.0	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.07	16.15	16.11	17.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.05	16.16	16.14	17.0	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.99	16.12	16.13	17.0	0.0
Channel				647684	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.01	3840	3970.02		
20	QPSK	1	1	16.02	16.08	16.05	17.0	0.0
Channel				647368	650000	650684	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.97	16.11	16.03	17.0	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.06	16.07	16.11	17.0	0.0

Part270Q n77 PC2&PC3 Ant5 NSA DSI6

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63334	63334	63334		
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		15.15			
100	PI2 BPSK	1	137		15.98		17.0	0.0
100	PI2 BPSK	1	271		15.25			
100	PI2 BPSK	138	0		15.87		17.0	0.0
100	PI2 BPSK	135	69		15.89		17.0	0.0
100	PI2 BPSK	135	138		15.74			
100	PI2 BPSK	270	0		15.83		17.0	0.0
100	QPSK	1	1		15.17			
100	QPSK	1	137		16.05		17.0	0.0
100	QPSK	1	271		15.31			
100	QPSK	135	0		15.94		17.0	0.0
100	QPSK	135	69		15.94		17.0	0.0
100	QPSK	135	138		15.87		17.0	0.0
100	QPSK	270	0		15.93			
100	16QAM	1	1		15.24		17.0	0.0
100	64QAM	1	1		15.18		17.0	0.0
100	256QAM	1	1		15.47		17.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.97	16.00	15.91	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.99	15.99	15.97	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.95	15.91	16.00	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.01	16.03	15.99	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3505		
50	QPSK	1	1	16.00	15.97	16.01	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.94	15.95	16.02	17.0	0.0
Channel				630998	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.02	3500.01	3540		
20	QPSK	1	1	15.94	15.95	16.01	17.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.96	16.03	15.99	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3544.51		
10	QPSK	1	1	16.02	16.01	15.98	17.0	0.0

Part27O n78 PC3 Ant5 NSA DSI6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		15.34		17.0	0.0	
100	PI2 BPSK	1	137		16.14				
100	PI2 BPSK	1	271		15.72				
100	PI2 BPSK	135	0		15.77				17.0
100	PI2 BPSK	135	69		16.20		17.0	0.0	
100	PI2 BPSK	135	135		16.06		17.0	0.0	
100	PI2 BPSK	270	0		16.06				
100	QPSK	1	1		15.53		17.0	0.0	
100	QPSK	1	137		16.20				
100	QPSK	1	271		15.72				
100	QPSK	135	0		15.80				17.0
100	QPSK	135	69		16.24		17.0	0.0	
100	QPSK	135	135		15.99		17.0	0.0	
100	QPSK	270	0		16.16				17.0
100	16QAM	1	1		15.24		17.0	0.0	
100	64QAM	1	1		15.15		17.0	0.0	
100	256QAM	1	1		15.81		17.0	0.0	
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		16.14	16.23	16.15	17.0	0.0
Channel				643334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		16.16	16.19	16.17	17.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		16.15	16.25	16.20	17.0	0.0
Channel				649668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		16.18	16.21	16.17	17.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		16.22	16.20	16.17	17.0	0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		16.16	16.26	16.22	17.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		16.12	16.25	16.17	17.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		16.14	16.20	16.24	17.0	0.0
Channel				647168	650000	652934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.65	3750	3792.51			
15	QPSK	1	1		16.13	16.18	16.16	17.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		16.15	16.21	16.20	17.0	0.0

Part27Q n78 PC3 Ant5 NSA DSI6									
BW (MHz)	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	633334	633334			
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		15.46		17.0	0.0	
100	PI2 BPSK	1	137		16.30				
100	PI2 BPSK	1	271		16.10				
100	PI2 BPSK	135	0		16.06				17.0
100	PI2 BPSK	135	69		16.33		17.0	0.0	
100	PI2 BPSK	135	135		16.31		17.0	0.0	
100	PI2 BPSK	270	0		16.27				
100	QPSK	1	1		15.56		17.0	0.0	
100	QPSK	1	137		16.36				
100	QPSK	1	271		16.10				
100	QPSK	135	0		16.12				17.0
100	QPSK	135	69		16.23		17.0	0.0	
100	QPSK	135	135		16.22		17.0	0.0	
100	QPSK	270	0		16.36				17.0
100	16QAM	1	1		15.60		17.0	0.0	
100	64QAM	1	1		15.50		17.0	0.0	
100	256QAM	1	1		15.87		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		16.18	16.36	16.30	17.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		16.16	16.32	16.30	17.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		16.20	16.29	16.27	17.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		16.24	16.30	16.33	17.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		16.24	16.30	16.31	17.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		16.22	16.31	16.30	17.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		16.23	16.28	16.30	17.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		16.19	16.27	16.33	17.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		16.26	16.32	16.29	17.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		16.23	16.34	16.31	17.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.19	16.28	16.28	17.0	0.0



Ant 8 Full Power Handheld(Standalone)						Ant 8 Head (Simultaneous)		Ant 8 Head (Standalone) Bodyworn(Standalone)		Ant 8 Hotspot Bodyworn(Simultaneous)		Ant 8 Handheld(Simultaneous)		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	
2.4GHz WLAN	802.11b 1Mbps	1	2412	20.12	21.50	9.61	11.00	17.91	19.00	10.23	12.00	13.93	15.50	100.00
		6	2437	20.55	22.00	9.55	11.00	17.89	19.00	10.17	12.00	14.12	15.50	
		11	2462	20.06	21.50	9.06	11.00	17.90	19.00	10.16	12.00	14.11	15.50	
	802.11g 6Mbps	1	2412	17.13	18.50	Not Required	11.00	17.13	18.50	Not Required	12.00	Not Required	15.50	97.46
		6	2437	18.83	20.50		11.00	17.23	19.00		12.00		15.50	
		11	2462	16.10	17.50		11.00	16.10	17.50		12.00		15.50	
	802.11n-HT20 MCS0	1	2412	17.03	18.50	Not Required	11.00	Not Required	18.50	Not Required	12.00	Not Required	15.50	97.28
		6	2437	18.70	20.00		11.00		19.00		12.00		15.50	
		11	2462	15.79	17.50		11.00		17.50		12.00		15.50	
	802.11n-HT40 MCS0	3	2422	14.94	16.50	Not Required	11.00	Not Required	16.50	Not Required	12.00	Not Required	15.50	94.92
		6	2437	16.79	18.50		11.00		18.50		12.00		15.50	
		9	2452	14.21	15.50		11.00		15.50		12.00		15.50	

Ant 8 Full Power Handheld(Standalone)						Ant 8 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 8 Handheld(Simultaneous) Bodyworn(Standalone)		Ant 8 Hotspot Bodyworn(Simultaneous)		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	
5.2GHz WLAN	802.11a 6Mbps	36	5180	19.06	20.50	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	97.46
		40	5200	18.93	20.50		19.00		12.00		14.50		8.50	
		44	5220	18.97	20.50		19.00		12.00		14.50		8.50	
		48	5240	19.09	20.50		19.00		12.00		14.50		8.50	
	802.11n-HT20 MCS0	36	5180	19.17	20.50	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	97.28
		40	5200	19.13	20.50		19.00		12.00		14.50		8.50	
		44	5220	18.96	20.50		19.00		12.00		14.50		8.50	
		48	5240	19.01	20.50		19.00		12.00		14.50		8.50	
	802.11n-HT40 MCS0	38	5190	17.15	18.50	Not Required	17.15	Not Required	12.00	Not Required	14.50	Not Required	8.50	94.90
		46	5230	17.88	19.50		17.38		12.00		14.50		8.50	
	802.11ac-VHT20 MCS0	36	5180	17.69	19.00	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	96.89
		40	5200	17.75	19.00		19.00		12.00		14.50		8.50	
		44	5220	17.62	19.00		19.00		12.00		14.50		8.50	
	802.11ac-VHT40 MCS0	48	5240	17.55	19.00	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	95.14
		38	5190	16.77	18.00		18.00		12.00		14.50		8.50	
	802.11ac-VHT80 MCS0	46	5230	16.58	18.00	Not Required	18.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	90.69
	802.11ac-VHT80 MCS0	42	5210	15.78	17.50		17.50		10.48		13.21		7.07	

Ant 8 Full Power Handheld(Standalone)						Ant 8 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 8 Bodyworn(Standalone)		Ant 8 Bodyworn(Simultaneous)		Ant 8 Handheld(Simultaneous)		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	
5.3GHz WLAN	802.11a 6Mbps	52	5260	19.06	20.50	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	Not Required	14.50	97.46
		56	5280	19.05	20.50		19.00		12.00		14.50		8.50		14.50	
		60	5300	18.82	20.50		19.00		12.00		14.50		8.50		14.50	
		64	5320	18.89	20.50		19.00		12.00		14.50		8.50		14.50	
	802.11n-HT20 MCS0	52	5260	19.04	20.50	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	Not Required	14.50	97.28
		56	5280	18.87	20.50		19.00		12.00		14.50		8.50		14.50	
		60	5300	18.80	20.50		19.00		12.00		14.50		8.50		14.50	
		64	5320	18.74	20.00		19.00		12.00		14.50		8.50		14.50	
	802.11n-HT40 MCS0	54	5270	17.84	19.50	Not Required	17.84	Not Required	12.00	Not Required	14.50	Not Required	8.50	Not Required	14.50	94.90
		62	5310	17.11	18.50		17.11		12.00		14.50		8.50		14.50	
	802.11ac-VHT20 MCS0	52	5260	17.53	19.00	Not Required	19.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	Not Required	14.50	96.89
		56	5280	17.42	19.00		19.00		12.00		14.50		8.50		14.50	
		60	5300	17.35	19.00		19.00		12.00		14.50		8.50		14.50	
	802.11ac-VHT40 MCS0	64	5320	17.19	18.50	Not Required	18.50	Not Required	12.00	Not Required	14.50	Not Required	8.50	Not Required	14.50	95.14
		54	5270	16.61	18.00		18.00		12.00		14.50		8.50		14.50	
	802.11ac-VHT80 MCS0	62	5310	16.38	18.00	Not Required	18.00	Not Required	12.00	Not Required	14.50	Not Required	8.50	Not Required	14.50	90.69
	802.11ac-VHT80 MCS0	58	5290	15.70	17.50		17.00		10.51		13.23		7.10		13.13	



Ant 8 Full Power Handheld(Standalone)						Ant 8 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 8 Bodyworn(Standalone)		Ant 8 Bodyworn(Simultaneous)		Ant 8 Handheld(Simultaneous)		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	
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.43	20.00	Not Required	18.50	Not Required	12.50	Not Required	17.50	Not Required	8.50	Not Required	14.00	97.46
		116	5580	18.99	20.50		18.50		12.50		17.50		8.50		14.00	
		124	5620	18.89	20.50		18.50		12.50		17.50		8.50		14.00	
		132	5660	18.54	20.00		18.50		12.50		17.50		8.50		14.00	
		140	5700	18.76	20.50		18.50		12.50		17.50		8.50		14.00	
		144	5720	18.68	20.00		18.50		12.50		17.50		8.50		14.00	
	802.11n-HT20 MCS0	100	5500	16.56	18.00	Not Required	18.00	Not Required	12.50	Not Required	17.50	Not Required	8.50	Not Required	14.00	97.28
		116	5580	18.94	20.50		18.50		12.50		17.50		8.50		14.00	
		124	5620	18.90	20.50		18.50		12.50		17.50		8.50		14.00	
		132	5660	18.51	20.00		18.50		12.50		17.50		8.50		14.00	
		140	5700	18.26	20.00		18.50		12.50		17.50		8.50		14.00	
		144	5720	18.62	20.00		18.50		12.50		17.50		8.50		14.00	
	802.11n-HT40 MCS0	102	5510	14.91	16.50	14.91	16.50	Not Required	12.50	Not Required	16.50	Not Required	8.50	Not Required	14.00	94.90
		110	5550	17.91	19.50	16.65	18.00		12.50		17.50		8.50		14.00	
		126	5630	18.27	19.50	17.01	18.50		12.50		17.50		8.50		14.00	
		134	5670	17.53	19.00	16.27	18.00		12.50		17.50		8.50		14.00	
	802.11ac-VHT20 MCS0	100	5500	16.46	18.00	Not Required	18.00	Not Required	12.50	Not Required	17.50	Not Required	8.50	Not Required	14.00	96.89
		116	5580	17.53	19.00		18.50		12.50		17.50		8.50		14.00	
		124	5620	17.60	19.00		18.50		12.50		17.50		8.50		14.00	
		132	5660	17.51	19.00		18.50		12.50		17.50		8.50		14.00	
		140	5700	17.34	19.00		18.50		12.50		17.50		8.50		14.00	
		144	5720	17.49	19.00		18.50		12.50		17.50		8.50		14.00	
	802.11ac-VHT40 MCS0	102	5510	14.78	16.50	Not Required	16.50	Not Required	12.50	Not Required	16.50	Not Required	8.50	Not Required	14.00	95.14
		110	5550	16.65	18.00		18.00		12.50		17.50		8.50		14.00	
		126	5630	16.64	18.00		18.00		12.50		17.50		8.50		14.00	
		134	5670	16.74	18.00		18.00		12.50		17.50		8.50		14.00	
	802.11ac-VHT80 MCS0	106	5530	15.85	17.50	Not Required	17.50	Not Required	10.73	Not Required	17.50	Not Required	7.16	Not Required	12.29	90.69
		122	5610	15.90	17.50		17.50		10.79		17.50		7.20		12.34	
		138	5690	15.57	17.00		17.00		10.48		17.00		6.98		12.21	

Ant 8 Full Power Handheld(Standalone)						Ant 8 Head (Standalone)		Ant 8 Head (Simultaneous)		Ant 8 Body worn(Standalone)		Ant 8 Body worn(Simultaneous)		Ant 8 Hotspot		Ant 8 Handheld(Simultaneous)		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	
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.26	20.50	Not Required	20.00	Not Required	13.50	Not Required	18.50	Not Required	11.50	Not Required	11.00	Not Required	17.50	97.46
		157	5785	19.16	20.50		20.00		13.50		18.50		11.50		11.00		17.50	
		165	5825	19.03	20.50		20.00		13.50		18.50		11.50		11.00		17.50	
	802.11n-HT20 MCS0	149	5745	19.24	20.50	Not Required	20.00	Not Required	13.50	Not Required	18.50	Not Required	11.50	Not Required	11.00	Not Required	17.50	97.28
		157	5785	19.08	20.50		20.00		13.50		18.50		11.50		11.00		17.50	
		165	5825	18.99	20.50		20.00		13.50		18.50		11.50		11.00		17.50	
	802.11n-HT40 MCS0	151	5755	18.21	19.50	18.21	19.50	Not Required	13.50	17.05	18.50	Not Required	11.50	Not Required	11.00	Not Required	17.50	94.90
		159	5795	18.35	20.00	18.35	20.00		13.50	17.19	18.50		11.50		11.00		17.50	
	802.11ac-VHT20 MCS0	149	5745	17.76	19.00	Not Required	19.00	Not Required	13.50	Not Required	18.50	Not Required	11.50	Not Required	11.00	Not Required	17.50	96.89
		157	5785	17.73	19.00		19.00		13.50		18.50		11.50		11.00		17.50	
	802.11ac-VHT40 MCS0	151	5755	16.61	18.00	Not Required	18.00	Not Required	13.50	Not Required	18.00	Not Required	11.50	Not Required	11.00	Not Required	17.50	95.14
		159	5795	16.82	18.00		18.00		13.50		18.00		11.50		11.00		17.50	
	802.11ac-VHT80 MCS0	155	5775	15.94	17.50	Not Required	17.50	Not Required	12.13	Not Required	17.50	Not Required	9.84	Not Required	11.00	Not Required	15.94	90.69

BT BR/EDR		Ant8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	12.56	10.11	10.03
	CH 39	2441	13.43	10.50	10.57
	CH 78	2480	12.84	10.75	10.71
Tune-up Limit			14.50	11.50	11.50

BLE 1M		Ant8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	2.25		
	CH 19	2440	4.65		
	CH 39	2480	3.65		
Tune-up Limit			5.00		

BLE 2M		Ant8			
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	2.15		
	CH 19	2440	4.42		
	CH 39	2480	3.94		
Tune-up Limit			5.00		