

Par27Q n77_Ant 9

BW [MHz]	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	23.52	23.45	23.52	25.0	0.0
100	P12 BPSK	1	137	23.45	23.45	23.45		
100	P12 BPSK	1	271	23.84	23.84	23.84		
100	P12 BPSK	135	0	23.36	23.36	23.36	25.0	0.0
100	P12 BPSK	135	69	23.47	23.47	23.47	25.0	0.0
100	P12 BPSK	135	138	23.48	23.48	23.48	25.0	0.0
100	P12 BPSK	270	0	23.47	23.47	23.47	25.0	0.0
100	QPSK	1	1	23.60	23.60	23.60	25.0	0.0
100	QPSK	1	137	23.34	23.34	23.34		
100	QPSK	1	271	23.64	23.64	23.64		
100	QPSK	135	0	23.47	23.47	23.47	25.0	0.0
100	QPSK	135	69	23.48	23.48	23.48	25.0	0.0
100	QPSK	135	138	23.44	23.44	23.44	25.0	0.0
100	QPSK	270	0	23.38	23.38	23.38	25.0	0.0
100	16QAM	1	1	23.34	23.34	23.34	25.0	0.0
100	64QAM	1	1	23.93	23.93	23.93	25.0	0.0
100	256QAM	1	1	22.29	22.29	22.29	23.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	23.80	23.84	23.82	25.0	0.0
100	P12 BPSK	1	137	23.77	23.84	23.73		
100	P12 BPSK	1	271	23.85	23.83	23.77		
100	P12 BPSK	135	0	23.85	23.87	23.81	25.0	0.0
100	P12 BPSK	135	69	23.83	23.88	23.77	25.0	0.0
100	P12 BPSK	135	138	23.79	23.88	23.75	25.0	0.0
100	P12 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.13	24.12	25.0	0.0
100	QPSK	1	137	23.74	23.79	23.82		
100	QPSK	1	271	23.84	23.89	23.88		
100	QPSK	135	0	23.70	23.84	23.86	25.0	0.0
100	QPSK	135	69	23.83	23.85	23.83	25.0	0.0
100	QPSK	135	138	23.79	23.79	23.81	25.0	0.0
100	QPSK	270	0	23.66	23.82	23.89	25.0	0.0
100	16QAM	1	1	23.80	23.85	23.80	25.0	0.0
100	64QAM	1	1	23.70	23.86	23.73	25.0	0.0
100	256QAM	1	1	22.63	22.77	22.79	23.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	64932	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	23.52	23.45	23.52	25.0	0.0
100	P12 BPSK	1	137	23.45	23.45	23.45		
100	P12 BPSK	1	271	23.84	23.84	23.84		
100	P12 BPSK	135	0	23.36	23.36	23.36	25.0	0.0
100	P12 BPSK	135	69	23.47	23.47	23.47	25.0	0.0
100	P12 BPSK	135	138	23.48	23.48	23.48	25.0	0.0
100	P12 BPSK	270	0	23.47	23.47	23.47	25.0	0.0
100	QPSK	1	1	23.60	23.60	23.60	25.0	0.0
100	QPSK	1	137	23.34	23.34	23.34		
100	QPSK	1	271	23.64	23.64	23.64		
100	QPSK	135	0	23.47	23.47	23.47	25.0	0.0
100	QPSK	135	69	23.48	23.48	23.48	25.0	0.0
100	QPSK	135	138	23.44	23.44	23.44	25.0	0.0
100	QPSK	270	0	23.38	23.38	23.38	25.0	0.0
100	16QAM	1	1	23.34	23.34	23.34	25.0	0.0
100	64QAM	1	1	23.93	23.93	23.93	25.0	0.0
100	256QAM	1	1	22.29	22.29	22.29	23.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
80	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
70	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
60	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
50	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
30	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
25	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
15	QPSK	1	1	63360	63332	63366	Tune-up limit (dBm)	MPR (dB)

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3795	3945	4095		
Frequency (MHz)				23.28	23.34	23.42		
100	PI2 BPSK	1	1	23.28	23.34	23.42	25.0	0.0
100	PI2 BPSK	1	137	23.77	23.84	23.73		
100	PI2 BPSK	1	271	23.85	23.83	23.77		
100	PI2 BPSK	135	0	23.80	23.87	23.81	25.0	0.0
100	PI2 BPSK	135	69	23.83	23.83	23.77	25.0	0.0
100	PI2 BPSK	135	138	23.73	23.86	23.76		
100	PI2 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.15	24.12		
100	QPSK	1	137	23.74	23.79	23.82	25.0	0.0
100	QPSK	1	271	23.84	23.96	23.88		
100	QPSK	135	0	23.76	23.84	23.82		
100	QPSK	135	69	23.83	23.85	23.83	25.0	0.0
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.66	23.82	23.86	25.0	0.0
100	16QAM	1	1	23.80	23.86	23.80	25.0	0.0
100	64QAM	1	1	23.25	23.86	23.73	25.0	0.0
100	256QAM	1	1	22.63	22.77	22.70	23.0	0.0
Channel				64968	65900	66832	Tune-up limit (dB)	MPR
Frequency (MHz)				64968	65900	66832		
90	QPSK	1	1	23.71	24.07	24.02	25.0	0.0
Channel				64934	65900	66866	Tune-up limit (dB)	MPR
Frequency (MHz)				64934	65900	66866		
80	QPSK	1	1	23.76	24.08	24.05	25.0	0.0
Channel				64900	65900	66900	Tune-up limit (dB)	MPR
Frequency (MHz)				64900	65900	66900		
70	QPSK	1	1	23.76	24.01	23.96	25.0	0.0
Channel				64866	65900	66932	Tune-up limit (dB)	MPR
Frequency (MHz)				64866	65900	66932		
60	QPSK	1	1	23.73	23.77	23.78	25.0	0.0
Channel				64834	65900	66966	Tune-up limit (dB)	MPR
Frequency (MHz)				64834	65900	66966		
50	QPSK	1	1	23.81	23.88	24.09	25.0	0.0
Channel				64800	65900	66900	Tune-up limit (dB)	MPR
Frequency (MHz)				64800	65900	66900		
40	QPSK	1	1	23.74	24.03	24.07	25.0	0.0
Channel				64768	65900	66832	Tune-up limit (dB)	MPR
Frequency (MHz)				64768	65900	66832		
30	QPSK	1	1	23.79	24.06	24.01	25.0	0.0
Channel				64734	65900	66800	Tune-up limit (dB)	MPR
Frequency (MHz)				64734	65900	66800		
25	QPSK	1	1	23.76	23.99	24.00	25.0	0.0
Channel				64700	65900	66666	Tune-up limit (dB)	MPR
Frequency (MHz)				64700	65900	66666		
20	QPSK	1	1	23.77	24.03	24.05	25.0	0.0
Channel				64666	65900	66632	Tune-up limit (dB)	MPR
Frequency (MHz)				64666	65900	66632		
15	QPSK	1	1	23.76	24.02	23.96	25.0	0.0
Channel				64632	65900	66600	Tune-up limit (dB)	MPR
Frequency (MHz)				64632	65900	66600		
10	QPSK	1	1	23.72	24.06	24.02	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3495	36332	3495		
Frequency (MHz)				3495	36332	3495		
100	PI2 BPSK	1	1		23.45		25.0	0.0
100	PI2 BPSK	1	137		23.45			
100	PI2 BPSK	1	271		23.84			
100	PI2 BPSK	135	0		23.36		25.0	0.0
100	PI2 BPSK	135	69		23.47		25.0	0.0
100	PI2 BPSK	135	138		23.46			
100	PI2 BPSK	270	0		23.47			
100	QPSK	1	1		23.65		25.0	0.0
100	QPSK	1	137		23.34			
100	QPSK	1	271		23.84			
100	QPSK	135	0		23.47		25.0	0.0
100	QPSK	135	69		23.48			
100	QPSK	135	138		23.44			
100	QPSK	270	0		23.36		25.0	0.0
100	16QAM	1	1		23.34		25.0	0.0
100	64QAM	1	1		23.63		25.0	0.0
100	256QAM	1	1		22.29		23.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
90	QPSK	1	1	23.52	23.45	23.37	25.0	0.0
Channel				63068	63032	63000	Tune-up limit (dB)	MPR
Frequency (MHz)				63068	63032	63000		
80	QPSK	1	1	23.47	23.31	23.49	25.0	0.0
Channel				63234	63032	63432	Tune-up limit (dB)	MPR
Frequency (MHz)				63234	63032	63432		
70	QPSK	1	1	23.42	23.33	23.30	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
60	QPSK	1	1	23.39	23.34	23.51	25.0	0.0
Channel				63068	63032	63000	Tune-up limit (dB)	MPR
Frequency (MHz)				63068	63032	63000		
50	QPSK	1	1	23.39	23.24	23.53	25.0	0.0
Channel				63034	63032	63032	Tune-up limit (dB)	MPR
Frequency (MHz)				63034	63032	63032		
40	QPSK	1	1	23.44	23.31	23.47	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
30	QPSK	1	1	23.43	23.35	23.48	25.0	0.0
Channel				63064	63032	63032	Tune-up limit (dB)	MPR
Frequency (MHz)				63064	63032	63032		
25	QPSK	1	1	23.47	23.33	23.51	25.0	0.0
Channel				63068	63032	63000	Tune-up limit (dB)	MPR
Frequency (MHz)				63068	63032	63000		
20	QPSK	1	1	23.44	23.30	23.42	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
15	QPSK	1	1	23.39	23.35	23.45	25.0	0.0
Channel				63034	63032	63032	Tune-up limit (dB)	MPR
Frequency (MHz)				63034	63032	63032		
10	QPSK	1	1	23.38	23.35	23.51	25.0	0.0

Band 5_Ant 0															
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)							
Channel Frequency (MHz)															
10	QPSK	1	0	24.21	24.30	24.21	26	0							
10	QPSK	1	25	24.22	24.31	24.22									
10	QPSK	1	49	24.20	24.12	24.17									
10	QPSK	25	0	23.21	23.28	23.22	25	1							
10	QPSK	25	12	23.28	23.32	23.29									
10	QPSK	25	25	23.27	23.26	23.24									
10	QPSK	50	0	23.21	23.25	23.19	25	1							
10	16QAM	1	0	23.41	23.39	23.47									
10	16QAM	1	25	23.40	23.35	23.37									
10	16QAM	1	49	23.50	23.46	23.52	24	2							
10	16QAM	25	0	22.30	22.31	22.28									
10	16QAM	25	12	22.32	22.33	22.26									
10	16QAM	25	25	22.32	22.32	22.30	24	2							
10	16QAM	50	0	22.29	22.27	22.23									
10	64QAM	1	0	22.26	22.26	22.27									
10	64QAM	1	25	22.37	22.55	22.39	24	2							
10	64QAM	1	49	22.36	22.46	22.46									
10	64QAM	25	0	21.24	21.30	21.26									
10	64QAM	25	12	21.36	21.31	21.28	23	3							
10	64QAM	25	25	21.30	21.33	21.33									
10	64QAM	50	0	21.28	21.26	21.24									
10	256QAM	1	0	19.60	19.65	19.64	21	5							
10	256QAM	1	25	19.81	19.84	19.80									
10	256QAM	1	49	19.79	19.83	19.82									
10	256QAM	1	12	19.77	19.86	19.86	21	5							
10	256QAM	25	12	19.65	19.70	19.66									
10	256QAM	25	25	19.75	19.78	19.75									
10	256QAM	50	0	19.68	19.71	19.70									
Channel Frequency (MHz)															
5	QPSK	1	0	24.19	24.28	24.15	26	0							
5	QPSK	1	12	24.17	24.21	24.18									
5	QPSK	1	24	24.16	24.21	24.22									
5	QPSK	12	0	23.26	23.29	23.27	25	1							
5	QPSK	12	7	23.29	23.30	23.34									
5	QPSK	12	13	23.28	23.34	23.33									
5	QPSK	25	0	23.29	23.33	23.29	25	1							
5	16QAM	1	0	23.41	23.61	23.48									
5	16QAM	1	12	23.46	23.54	23.49									
5	16QAM	12	0	22.23	22.29	22.31	24	2							
5	16QAM	12	7	22.34	22.37	22.37									
5	16QAM	12	13	22.31	22.38	22.34									
5	16QAM	25	0	22.26	22.30	22.23	24	2							
5	64QAM	1	0	22.36	22.38	22.31									
5	64QAM	1	12	22.28	22.49	22.36									
5	64QAM	1	24	22.44	22.33	22.36	23	3							
5	64QAM	12	0	21.26	21.35	21.25									
5	64QAM	12	7	21.29	21.33	21.36									
5	64QAM	12	13	21.27	21.38	21.34	21	5							
5	64QAM	25	0	21.28	21.27	21.25									
5	256QAM	1	0	19.59	19.64	19.59									
5	256QAM	1	12	19.76	19.78	19.76	21	5							
5	256QAM	1	24	19.78	19.80	19.79									
5	256QAM	12	0	19.68	19.66	19.64									
5	256QAM	12	7	19.62	19.66	19.61	21	5							
5	256QAM	12	13	19.74	19.77	19.72									
5	256QAM	25	0	19.66	19.70	19.66									
Channel Frequency (MHz)															
3	QPSK	1	0	24.13	24.20	24.22	26	0							
3	QPSK	1	8	24.15	24.25	24.24									
3	QPSK	1	14	24.14	24.21	24.18									
3	QPSK	8	0	23.24	23.28	23.24	25	1							
3	QPSK	8	7	23.26	23.32	23.32									
3	QPSK	8	7	23.23	23.30	23.32									
3	QPSK	15	0	23.21	23.24	23.29	25	1							
3	16QAM	1	0	23.39	23.53	23.53									
3	16QAM	1	8	23.39	23.53	23.53									
3	16QAM	1	14	23.37	23.44	23.44	24	2							
3	16QAM	8	0	22.32	22.31	22.30									
3	16QAM	8	7	22.31	22.38	22.42									
3	16QAM	8	7	22.26	22.40	22.40	24	2							
3	16QAM	15	0	22.25	22.29	22.34									
3	64QAM	1	0	22.35	22.42	22.40									
3	64QAM	1	8	22.41	22.48	22.46	23	3							
3	64QAM	1	14	22.34	22.38	22.40									
3	64QAM	8	0	21.26	21.34	21.25									
3	64QAM	8	4	21.32	21.41	21.40	21	5							
3	64QAM	8	7	21.27	21.38	21.37									
3	64QAM	15	0	21.24	21.29	21.35									
3	256QAM	1	0	19.58	19.60	19.58	21	5							
3	256QAM	1	8	19.77	19.81	19.79									
3	256QAM	1	14	19.76	19.82	19.78									
3	256QAM	8	0	19.65	19.69	19.64	21	5							
3	256QAM	8	4	19.63	19.69	19.62									
3	256QAM	8	7	19.72	19.75	19.71									
3	256QAM	15	0	19.64	19.70	19.65									
Channel Frequency (MHz)															
1.4	QPSK	1	0	24.16	24.20	24.19	26	0							
1.4	QPSK	1	3	24.14	24.25	24.15									
1.4	QPSK	1	6	24.14	24.22	24.23									
1.4	QPSK	3	0	24.10	24.16	24.19	25	1							
1.4	QPSK	3	1	24.11	24.19	24.20									
1.4	QPSK	3	3	24.11	24.20	24.18									
1.4	QPSK	6	0	23.16	23.20	23.26	25	1							
1.4	16QAM	1	0	23.49	23.56	23.59									
1.4	16QAM	1	3	23.59	23.56	23.60									
1.4	16QAM	1	5	23.52	23.53	23.55	24	2							
1.4	16QAM	3	0	23.31	23.38	23.36									
1.4	16QAM	3	1	23.29	23.39	23.34									
1.4	64QAM	1	0	22.48	22.56	22.45	24	2							
1.4	64QAM	1	3	22.43	22.54	22.52									
1.4	64QAM	1	5	22.45	22.50	22.46									
1.4	64QAM	3	0	22.30	22.39	22.37	23	3							
1.4	64QAM	3	1	22.28	22.35	22.32									
1.4	64QAM	3	3	22.27	22.37	22.37									
1.4	256QAM	1	0	19.58	19.62	19.60	21	5							
1.4															

Band 66_Ant 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Turn-up limit (dBm)	MPR (dB)						
Channel Frequency (MHz)														
1700 1745 1792														
20	QPSK	1	0	15.84	15.83	15.73	17	0						
20	QPSK	1	49	15.92	16.01	15.92								
20	QPSK	36	0	15.82	15.85	15.80								
20	QPSK	50	0	14.66	14.70	14.70								
20	QPSK	50	24	14.75	14.83	14.77	16	1						
20	QPSK	50	49	14.68	14.71	14.70								
20	QPSK	100	0	14.73	14.78	14.78								
20	16QAM	1	0	15.02	15.19	15.13								
20	16QAM	1	49	14.98	15.04	14.97	16	1						
20	16QAM	1	99	15.00	14.90	14.91								
20	16QAM	50	0	13.74	13.76	13.78								
20	16QAM	50	24	13.85	13.78	13.75								
20	16QAM	50	50	13.78	13.78	13.78	15	2						
20	16QAM	100	0	13.92	13.78	13.67								
20	64QAM	1	0	13.99	13.92	13.94								
20	64QAM	1	49	13.92	14.08	14.08								
20	64QAM	1	99	13.87	13.74	13.67	15	2						
20	64QAM	50	0	12.84	12.84	12.71								
20	64QAM	50	24	12.90	12.70	12.69								
20	64QAM	50	50	12.79	12.70	12.77								
20	256QAM	100	0	12.73	12.70	12.73	14	3						
20	256QAM	1	0	10.45	10.44	10.41								
20	256QAM	1	49	10.68	10.77	10.65								
20	256QAM	1	99	10.37	10.63	10.43								
20	256QAM	50	0	10.37	10.47	10.44	12	5						
20	256QAM	50	24	10.43	10.46	10.38								
20	256QAM	50	50	10.51	10.55	10.56								
20	256QAM	100	0	10.51	10.49	10.49								
Channel Frequency (MHz)														
132047 132322 132597														
15	QPSK	1	0	15.73	15.77	15.73	17	0						
15	QPSK	1	37	15.91	15.95	15.82								
15	QPSK	1	74	15.76	15.89	15.81								
15	QPSK	36	0	14.72	14.68	14.74								
15	QPSK	36	20	14.75	14.87	14.75	16	1						
15	QPSK	36	39	14.75	14.80	14.72								
15	QPSK	75	0	14.74	14.78	14.74								
15	16QAM	1	0	15.03	15.27	15.14								
15	16QAM	1	37	15.08	15.04	14.89	16	1						
15	16QAM	1	74	14.97	14.86	14.81								
15	16QAM	36	0	13.77	13.74	13.79								
15	16QAM	36	20	13.86	13.76	13.78								
15	16QAM	36	39	13.85	13.73	13.63	15	2						
15	16QAM	75	0	13.93	13.71	13.71								
15	64QAM	1	0	14.06	13.99	13.96								
15	64QAM	1	37	14.04	14.00	14.02								
15	64QAM	1	74	13.88	13.78	13.85	15	2						
15	64QAM	36	0	12.82	12.81	12.68								
15	64QAM	36	20	12.82	12.79	12.68								
15	64QAM	36	39	12.78	12.70	12.85								
15	64QAM	75	0	12.80	12.69	12.77	14	3						
15	256QAM	1	0	10.42	10.41	10.43								
15	256QAM	1	37	10.70	10.72	10.69								
15	256QAM	1	74	10.47	10.60	10.40								
15	256QAM	36	0	10.41	10.36	10.43	12	5						
15	256QAM	36	20	10.45	10.49	10.38								
15	256QAM	36	39	10.55	10.60	10.47								
15	256QAM	75	0	10.51	10.48	10.46								
Channel Frequency (MHz)														
17115 1745 1775														
10	QPSK	1	0	15.85	15.80	15.79	17	0						
10	QPSK	1	24	15.74	15.83	15.87								
10	QPSK	1	49	15.77	15.91	15.81								
10	QPSK	25	0	14.71	14.65	14.74								
10	QPSK	25	12	14.86	14.84	14.82	16	1						
10	QPSK	25	25	14.66	14.77	14.73								
10	QPSK	50	0	14.73	14.79	14.76								
10	16QAM	1	0	15.08	15.07	15.08								
10	16QAM	1	25	15.01	15.01	14.91	16	1						
10	16QAM	1	49	15.04	14.90	14.90								
10	16QAM	25	0	13.76	13.82	13.84								
10	16QAM	25	12	13.80	13.71	13.78								
10	16QAM	25	25	13.79	13.69	13.67	15	2						
10	16QAM	50	0	13.86	13.82	13.66								
10	16QAM	50	12	13.88	13.81	13.86								
10	64QAM	1	25	13.93	14.11	14.07								
10	64QAM	1	49	13.80	13.78	13.86	14	3						
10	64QAM	25	0	12.81	12.82	12.67								
10	64QAM	25	12	12.85	12.76	12.71								
10	64QAM	25	25	12.82	12.70	12.86								
10	64QAM	50	0	12.81	12.75	12.71	12	5						
10	256QAM	1	0	10.41	10.49	10.40								
10	256QAM	1	25	10.66	10.74	10.75								
10	256QAM	49	0	10.41	10.55	10.40								
10	256QAM	25	0	10.43	10.37	10.42	12	5						
10	256QAM	25	12	10.43	10.41	10.37								
10	256QAM	25	25	10.50	10.45	10.45								
10	256QAM	50	0	10.53	10.54	10.52								
Channel Frequency (MHz)														
131967 132322 132647														
5	QPSK	1	0	15.86	15.89	15.74	17	0						
5	QPSK	1	12	15.91	15.97	15.87								
5	QPSK	1	24	15.74	15.83	15.79								
5	QPSK	12	0	14.67	14.71	14.73								
5	QPSK	12	7	14.81	14.78	14.78	16	1						
5	QPSK	12	14	14.67	14.71	14.70								
5	QPSK	25	0	14.79	14.75	14.72								
5	16QAM	1	0	15.02	15.28	15.07								
5	16QAM	1	12	15.03	15.07	14.99	16	1						
5	16QAM	1	24	14.95	14.97	14.87								
5	16QAM	12	0	13.82	13.78	13.76								
5	16QAM	12	7	13.89	13.75	13.87								
5	16QAM	12	13	13.74	13.68	13.82	15	2						
5	16QAM	25	0	13.87	13.85	13.72								
5	64QAM	1	0	14.03	13.96	13.98								
5	64QAM	1	12	13.82	14.07	14.08								
5	64QAM	1	24	13.85	13.80	13.89	14	3						
5	64QAM	12	0	12.80	12.78	12.75								
5	64QAM	12	13	12.85	12.71	12.71								
5	64QAM	12	13	12.84	12.75	12.77								
5	64QAM	25	0	12.73	12.73	12.68	12	5						
5	256QAM	1	0	10.48	10.35	10.45								
5	256QAM	1	12	10.60	10.68									



n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frq.	Power Middle Ch. / Frq.	Power High Ch. / Frq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	23.90	23.93	23.93	25.0	0.0	
20	P12 BPSK	1	53	23.80	23.88	23.73			
20	P12 BPSK	1	104	23.70	23.86	23.77			
20	P12 BPSK	50	0	23.20	23.31	23.23	24.5	0.5	
20	P12 BPSK	50	28	23.72	23.82	23.88	25.0	0.0	
20	P12 BPSK	50	56	23.19	23.38	23.13	24.5	0.5	
20	P12 BPSK	100	0	23.21	23.30	23.15	25.0	0.0	
20	QPSK	1	1	23.98	24.02	23.97			
20	QPSK	1	53	23.85	23.96	23.80			
20	QPSK	1	104	23.85	23.96	23.91	25.0	1.0	
20	QPSK	50	0	22.90	23.08	23.03			
20	QPSK	50	28	23.80	23.88	23.91	25.0	0.0	
20	QPSK	50	56	23.60	23.12	23.06	24.0	1.0	
20	QPSK	100	0	22.90	23.06	22.90	24.0	1.0	
20	16QAM	1	1	22.77	22.82	22.86	24.0	1.0	
20	16QAM	1	1	21.48	21.58	21.48	22.5	2.5	
20	256QAM	1	1	18.48	18.53	18.44	20.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.67	19.67	19.67	25.0	0.0	
15	QPSK	1	1	23.80	23.91	23.85	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.50	18.50	18.50	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	17.00	17.00	17.00	25.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frq. 375500	Power Middle Ch. / Frq. 376000	Power High Ch. / Frq. 380000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	P12 BPSK	1	1	18.43	18.40	18.38	17.5	0.0	
20	P12 BPSK	1	53	18.37	18.42	18.38			
20	P12 BPSK	1	104	18.33	18.30	18.34			
20	P12 BPSK	50	0	18.41	18.45	18.30	17.5	0.0	
20	P12 BPSK	50	28	18.41	18.47	18.33	17.5	0.0	
20	P12 BPSK	50	56	18.32	18.39	18.39	17.5	0.0	
20	P12 BPSK	100	0	18.40	18.41	18.31	17.5	0.0	
20	QPSK	1	1	18.48	18.33	18.45			
20	QPSK	1	53	18.32	18.45	18.39			
20	QPSK	1	104	18.43	18.41	18.32	17.5	0.0	
20	QPSK	50	0	18.41	18.48	18.38			
20	QPSK	50	28	18.45	18.50	18.43	17.5	0.0	
20	QPSK	50	56	18.33	18.27	18.40	17.5	0.0	
20	QPSK	100	0	18.44	18.48	18.43	17.5	0.0	
20	16QAM	1	1	18.34	18.44	18.35	17.5	0.0	
20	16QAM	1	1	18.38	18.38	18.35	17.5	0.0	
20	256QAM	1	1	18.38	18.39	18.31	17.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.38	18.44	18.38	17.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.50	18.50	18.50	17.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.40	18.41	18.39	17.5	0.0	

n2_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Channel	Power High Channel	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	21.34	21.38	21.33	23.0	0.0	
20	P12 BPSK	1	53	21.32	21.41	21.34			
20	P12 BPSK	1	104	21.07	21.39	21.38			
20	P12 BPSK	50	0	21.33	21.38	21.37	23.0	0.0	
20	P12 BPSK	50	28	21.36	21.40	21.27	23.0	0.0	
20	P12 BPSK	50	56	21.40	21.40	21.31	23.0	0.0	
20	P12 BPSK	100	0	21.29	21.38	21.29	23.0	0.0	
20	QPSK	1	1	21.45	21.45	21.43			
20	QPSK	1	53	21.38	21.40	21.27			
20	QPSK	1	104	21.36	21.32	21.33	22.0	1.0	
20	QPSK	50	0	21.35	21.41	21.32			
20	QPSK	50	28	21.43	21.45	21.41	23.0	0.0	
20	QPSK	50	56	21.39	21.52	21.36	22.0	1.0	
20	QPSK	100	0	21.40	21.42	21.38	22.0	1.0	
20	16QAM	1	1	21.35	21.42	21.35	23.0	0.0	
20	16QAM	1	1	20.17	20.32	20.18	22.0	1.0	
20	256QAM	1	1	18.28	18.33	18.22	20.0	3.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.38	21.37	21.31	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.50	21.43	21.33	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.19	21.43	21.35	23.0	0.0	



n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]	
Channel				166600	167300	167900	MPR (dB)
Frequency (MHz)				166	166.5	167	
20	PV2 BPSK	1	1	24.53	24.63	24.58	26.0
20	PV2 BPSK	1	53	24.45	24.47	24.45	
20	PV2 BPSK	1	104	24.57	24.57	24.61	25.5
20	PV2 BPSK	50	0	23.98	24.08	23.92	
20	PV2 BPSK	50	28	24.47	24.56	24.52	25.5
20	PV2 BPSK	50	56	23.92	24.05	23.95	
20	PV2 BPSK	100	0	23.88	23.98	23.94	25.5
20	QPSK	1	1	24.58	24.68	24.62	
20	QPSK	1	53	24.50	24.63	24.58	26.0
20	QPSK	1	104	24.50	24.63	24.51	
20	QPSK	50	0	23.92	23.77	23.85	25.0
20	QPSK	50	28	24.55	24.62	24.52	
20	QPSK	50	56	23.70	23.78	23.67	25.0
20	QPSK	100	0	23.86	23.73	23.58	
20	16QAM	1	1	23.92	23.88	23.98	25.0
20	16QAM	1	1	22.95	22.85	22.95	
20	256QAM	1	1	20.34	20.25	20.11	21.5
Channel				166500	167300	167900	Turn-up limit (dBm)
Frequency (MHz)				165.5	166.5	167.5	
15	QPSK	1	1	24.47	24.52	24.48	26.0
Channel				166500	167300	167900	Turn-up limit (dBm)
Frequency (MHz)				165.5	166.5	167.5	
15	QPSK	1	1	24.52	24.59	24.55	26.0
Channel				166500	167300	167900	Turn-up limit (dBm)
Frequency (MHz)				165.5	166.5	167.5	
5	QPSK	1	1	24.48	24.50	24.47	26.0

n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Midle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)	MPR (dB)
Channel				166600	167300	167900		
Frequency (MHz)				166	166.5	167		
20	PV2 BPSK	1	1	21.60	21.62	21.54	23.0	0.0
20	PV2 BPSK	1	53	21.50	21.55	21.46		
20	PV2 BPSK	1	104	21.57	21.60	21.49	23.0	0.0
20	PV2 BPSK	50	0	21.58	21.57	21.51		
20	PV2 BPSK	50	28	21.50	21.57	21.57	23.0	0.0
20	PV2 BPSK	50	56	21.57	21.53	21.50		
20	PV2 BPSK	100	0	21.52	21.58	21.47	23.0	0.0
20	QPSK	1	1	21.65	21.70	21.62		
20	QPSK	1	53	21.51	21.62	21.58	23.0	0.0
20	QPSK	1	104	21.54	21.63	21.53		
20	QPSK	50	0	21.60	21.57	21.53	23.0	0.0
20	QPSK	50	28	21.62	21.68	21.60		
20	QPSK	50	56	21.55	21.63	21.51	23.0	0.0
20	QPSK	100	0	21.66	21.68	21.58		
20	16QAM	1	1	21.51	21.62	21.47	23.0	0.0
20	16QAM	1	1	21.51	21.58	21.50		
20	256QAM	1	1	20.34	20.23	20.11	21.5	0.0
Channel				166500	167300	167900		
Frequency (MHz)				165.5	166.5	167.5	Turn-up limit (dBm)	MPR (dB)
Channel				165.0	165.5	166.0		
Frequency (MHz)				165.0	165.5	166.0	Turn-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.59	21.54	21.47	23.0	0.0
Channel				166500	167300	167900		
Frequency (MHz)				166.5	167.5	168.5	Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.56	21.58	21.48	23.0	0.0
Channel				166500	167300	167900		
Frequency (MHz)				166.5	167.5	168.5	Turn-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.53	21.59	21.56	23.0	0.0

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)
Channel				504000	507000	510000	MPR (dB)
Frequency (MHz)				500	507	510	
40	PV2 BPSK	1	1	23.78	23.78	23.68	25.0
40	PV2 BPSK	1	106	23.70	23.82	23.68	
40	PV2 BPSK	1	214	23.74	23.85	23.75	24.5
40	PV2 BPSK	106	0	23.27	23.32	23.19	
40	PV2 BPSK	106	54	23.72	23.80	23.71	24.5
40	PV2 BPSK	106	106	23.15	23.30	23.18	
40	PV2 BPSK	216	0	23.19	23.33	23.18	25.0
40	QPSK	1	1	23.80	23.93	23.80	
40	QPSK	1	106	23.74	23.83	23.78	25.0
40	QPSK	1	214	23.68	23.80	23.68	
40	QPSK	106	0	22.99	23.05	23.08	24.0
40	QPSK	106	54	23.71	23.83	23.68	
40	QPSK	106	106	23.65	23.15	23.06	24.0
40	QPSK	216	0	22.90	23.03	22.88	
40	16QAM	1	1	22.98	23.01	22.93	24.0
40	16QAM	1	1	21.41	21.58	21.44	
40	256QAM	1	1	19.45	19.57	19.44	20.5
Channel				500500	507000	510000	Turn-up limit (dBm)
Frequency (MHz)				505	507	510	
30	QPSK	1	1	23.73	23.87	23.78	25.0
Channel				501000	507000	510000	Turn-up limit (dBm)
Frequency (MHz)				501	507	510	
25	QPSK	1	1	23.72	23.78	23.82	25.0
Channel				500500	507000	510000	Turn-up limit (dBm)
Frequency (MHz)				505	506	506	
20	QPSK	1	1	23.65	23.86	23.81	25.0
Channel				500500	507000	510000	Turn-up limit (dBm)
Frequency (MHz)				505	506	506	
15	QPSK	1	1	23.65	23.84	23.84	25.0
Channel				501000	507000	510000	Turn-up limit (dBm)
Frequency (MHz)				501	507	510	
10	QPSK	1	1	23.64	23.85	23.78	25.0
Channel				500500	507000	510000	Turn-up limit (dBm)
Frequency (MHz)				500.5	506	506.5	
5	QPSK	1	1	23.78	23.78	23.79	25.0



n7_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frs.	Power Middle Ch. / Frs.	Power High Ch. / Frs.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
40	P12 BPSK	1	1	15.20	15.30	15.30	16.5	0.0				
40	P12 BPSK	1	108	15.25	15.33	15.37						
40	P12 BPSK	1	214	15.27	15.38	15.34						
40	P12 BPSK	108	0	15.24	15.30	15.29	16.5	0.0				
40	P12 BPSK	108	54	15.32	15.32	15.38	16.5	0.0				
40	P12 BPSK	108	108	15.38	15.37	15.33	16.5	0.0				
40	P12 BPSK	216	0	15.31	15.37	15.37	16.5	0.0				
40	QPSK	1	1	15.28	15.40	15.42	16.5	0.0				
40	QPSK	1	108	15.24	15.31	15.34						
40	QPSK	1	214	15.29	15.38	15.32						
40	QPSK	108	0	15.28	15.32	15.34	16.5	0.0				
40	QPSK	108	54	15.35	15.43	15.41	16.5	0.0				
40	QPSK	108	108	15.32	15.34	15.31	16.5	0.0				
40	QPSK	216	0	15.33	15.40	15.38	16.5	0.0				
40	16QAM	1	1	15.25	15.38	15.28	16.5	0.0				
40	16QAM	1	1	15.29	15.37	15.30	16.5	0.0				
40	256QAM	1	1	15.25	15.33	15.28	16.5	0.0				
Channel												
Frequency (MHz)												
30	QPSK	1	1	25.11	25.31	25.56	Tune-up limit (dBm)	MPR (dB)				
30	QPSK	1	1	15.20	15.30	15.28						
30	QPSK	1	1	25.12	25.20	25.10						
20	QPSK	1	1	25.13	25.21	25.17	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	15.20	15.30	15.29						
20	QPSK	1	1	25.14	25.23	25.20						
Channel												
Frequency (MHz)												
20	QPSK	1	1	15.25	15.33	15.30	Tune-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	15.26	15.40	15.29						
20	QPSK	1	1	15.26	15.40	15.34						
10	QPSK	1	1	15.26	15.40	15.34	Tune-up limit (dBm)	MPR (dB)				
10	QPSK	1	1	15.26	15.38	15.35						
10	QPSK	1	1	15.22	15.38	15.35						
5	QPSK	1	1	15.30	15.30	15.31	Tune-up limit (dBm)	MPR (dB)				
5	QPSK	1	1	15.30	15.30	15.30						
5	QPSK	1	1	15.30	15.30	15.31						

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frs.	Power Middle Ch. / Frs.	Power High Ch. / Frs.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	14.100	14.100	14.100	20.0	0.0	
10	P12 BPSK	1	40	24.43	24.53	24.53			
10	P12 BPSK	1	77	24.38	24.47	24.45			
10	P12 BPSK	36	0	23.88	23.91	23.90	20.0	0.5	
10	P12 BPSK	36	22	24.42	24.43	24.40			
10	P12 BPSK	36	43	23.91	23.93	23.88			
10	P12 BPSK	75	0	23.84	23.93	23.90	20.0	0.0	
10	QPSK	1	1	24.50	24.58	24.52			
10	QPSK	1	40	24.42	24.53	24.44			
10	QPSK	1	77	24.38	24.50	24.34	20.0	1.0	
10	QPSK	36	0	23.88	23.93	23.97			
10	QPSK	36	22	24.47	24.52	24.38			
10	QPSK	36	43	23.91	23.98	23.40	25.0	1.5	
10	QPSK	75	0	23.89	23.98	23.53	25.0	1.5	
10	16QAM	1	1	23.42	23.55	23.46	25.0	1.0	
10	16QAM	1	1	23.02	23.13	23.07	23.5	2.5	
10	256QAM	1	1	19.06	20.04	19.04	21.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.000	14.100	14.200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.42	24.44	24.45	20.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	704.00	704.00	712.00	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	24.45	24.45	24.35	20.0	0.0	
5	QPSK	1	1	703.50	707.50	713.50			

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frs.	Power Middle Ch. / Frs.	Power High Ch. / Frs.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	14.100	14.100	14.100	24.5	0.0	
15	P12 BPSK	1	40	22.94	22.99	22.91			
15	P12 BPSK	1	77	22.95	22.98	22.92			
15	P12 BPSK	36	0	22.93	22.97	22.98	24.5	0.0	
15	P12 BPSK	36	22	22.93	22.98	22.90			
15	P12 BPSK	36	43	22.94	22.95	22.94			
15	P12 BPSK	75	0	22.98	22.94	22.92	24.5	0.0	
15	QPSK	1	1	22.92	22.98	22.93			
15	QPSK	1	40	22.98	23.02	22.99			
15	QPSK	1	77	22.91	22.97	22.92	24.5	0.0	
15	QPSK	36	0	22.97	22.95	22.91			
15	QPSK	36	22	22.93	22.95	22.91			
15	QPSK	36	43	22.96	22.93	22.90	24.5	0.0	
15	QPSK	75	0	22.98	22.92	22.90	24.5	0.0	
15	16QAM	1	1	22.91	22.92	22.88			
15	16QAM	1	1	22.92	22.93	22.91			
15	256QAM	1	1	19.95	20.04	19.94	21.5	3.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.91	22.93	22.98	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.100	14.100	14.100			
10	QPSK	1	1	22.97	22.93	22.99			



n25_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37400	37600	37600	Tune-up limit (dBm)	MPR (dB)
Channel				1670	1670	1670		
40	PV2 BPSK	1	1	24.3	24.4	24.41	25.0	0.0
40	PV2 BPSK	1	108	24.27	24.38	24.32	25.0	0.0
40	PV2 BPSK	1	214	24.56	24.42	24.32	25.0	0.0
40	PV2 BPSK	108	0	23.87	23.95	23.86	24.5	0.5
40	PV2 BPSK	108	54	24.25	24.40	24.33	25.0	0.0
40	PV2 BPSK	108	108	23.85	23.92	23.83	24.5	0.5
40	PV2 BPSK	216	0	23.85	23.93	23.81	24.5	0.5
40	QPSK	1	1	24.40	24.50	24.46		
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0
40	QPSK	1	214	24.56	24.45	24.29		
40	QPSK	108	0	23.75	23.33	23.28	24.0	1.0
40	QPSK	108	54	24.35	24.45	24.34	25.0	0.0
40	QPSK	108	108	23.22	23.34	23.22	24.0	1.0
40	QPSK	216	0	23.31	23.38	23.22	24.0	1.0
40	16QAM	1	1	23.28	23.31	23.28	24.0	1.0
40	16QAM	1	1	21.88	21.82	21.72	22.5	2.5
40	256QAM	1	1	19.69	19.78	19.67	20.5	4.5
Channel								
Frequency (MHz)				1865	1862.5	1900	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.85	24.87	24.88	25.0	0.0
Channel								
Frequency (MHz)				1862.5	1862.5	1902.5	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	24.93	24.46	24.25	25.0	0.0
Channel								
Frequency (MHz)				37500	37600	38100	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	24.38	24.47	24.38	25.0	0.0
Channel								
Frequency (MHz)				371500	37600	381500	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	24.30	24.40	24.36	25.0	0.0
Channel								
Frequency (MHz)				37500	37600	38000	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	18.65	18.62	18.62	18.0	0.0
Channel								
Frequency (MHz)				1862.5	1862.5	1912.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	24.25	24.40	24.38	25.0	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37400	37600	37600	Tune-up limit (dBm)	MPR (dB)
Channel				1670	1670.5	1670		
40	PV2 BPSK	1	1	16.50	16.58	16.58		
40	PV2 BPSK	1	108	16.33	16.34	16.34	17.5	0.0
40	PV2 BPSK	1	214	16.33	16.35	16.34		
40	PV2 BPSK	108	0	16.37	16.38	16.32	17.5	0.0
40	PV2 BPSK	108	54	16.68	16.68	16.69	17.5	0.0
40	PV2 BPSK	108	108	16.35	16.39	16.39		
40	PV2 BPSK	216	0	16.36	17.00	16.51	17.5	0.0
40	QPSK	1	1	17.02	17.08	17.05		
40	QPSK	1	108	16.69	17.02	17.09	17.5	0.0
40	QPSK	1	214	16.87	16.86	16.87		
40	QPSK	108	0	16.95	17.01	16.97	17.5	0.0
40	QPSK	108	54	17.00	17.05	17.03	17.5	0.0
40	QPSK	108	108	16.92	16.98	16.92		
40	QPSK	216	0	16.96	17.02	17.09	17.5	0.0
40	16QAM	1	1	16.96	16.83	16.91	17.5	0.0
40	16QAM	1	1	16.95	17.03	16.90	17.5	0.0
40	256QAM	1	1	16.90	16.98	16.93	17.5	0.0
Channel								
Frequency (MHz)				1865	1862.5	1900	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	16.87	16.94	16.89	17.5	0.0
Channel								
Frequency (MHz)				37420	37600	38000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	16.88	16.93	16.90		
25	QPSK	1	1	37500	37600	38100	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	16.90	16.92.5	16.96		
Channel								
Frequency (MHz)				1862.5	1862.5	1902.5	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	16.92	16.93	16.94	17.5	0.0
Channel								
Frequency (MHz)				1865	1862.5	1900	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	16.87	16.93	16.94	17.5	0.0
Channel								
Frequency (MHz)				37500	37600	38000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	16.97	16.98	16.94	17.5	0.0
Channel								
Frequency (MHz)				37500	37600	38000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	16.93	17.01	16.93	17.5	0.0

n25_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				374000	376000	376000	Tune-up limit (dBm)	MPR (dB)
40	PV2 BPSK	1	1	21.37	21.42	21.39		
40	PV2 BPSK	1	108	21.44	21.47	21.48	23.0	0.0
40	PV2 BPSK	1	214	21.44	21.43	21.48		
40	PV2 BPSK	108	0	21.45	21.47	21.41	23.0	0.0
40	PV2 BPSK	108	54	21.41	21.46	21.48	23.0	0.0
40	PV2 BPSK	108	108	21.43	21.45	21.48		
40	PV2 BPSK	216	0	21.35	21.40	21.43	23.0	0.0
40	QPSK	1	1	21.50	21.55	21.53		
40	QPSK	1	108	21.40	21.45	21.38	23.0	0.0
40	QPSK	1	214	21.38	21.45	21.29		
40	QPSK	108	0	21.38	21.45	21.39	23.0	0.0
40	QPSK	108	54	21.48	21.53	21.51	23.0	0.0
40	QPSK	108	108	21.40	21.46	21.43		
40	QPSK	216	0	21.45	21.50	21.48	23.0	0.0
40	16QAM	1	1	21.42	21.44	21.48	23.0	0.0
40	16QAM	1	1	20.21	20.38	20.25	22.0	1.0
40	256QAM	1	1	18.24	18.33	18.20	20.0	3.0
Channel								
Frequency (MHz)				1865	1862.5	1900	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.43	21.44	21.37	23.0	0.0
Channel								
Frequency (MHz)				374200	376000	380000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.34	21.41	21.43	23.0	0.0
Channel								
Frequency (MHz)				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.62	18.62.5	1900	20.0	3.0
20	QPSK	1	1	21.44	21.39	21.38	23.0	0.0
Channel								
Frequency (MHz)				1862.5	1862.5	1902.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.35	21.47	21.42	23.0	0.0
Channel								
Frequency (MHz)				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.45	21.48	21.47	23.0	0.0
Channel								
Frequency (MHz)				376000	376000	382000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.39	21.39	21.39	23.0	0.0



n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	19.93			
10	P1/2 BPSK	1	26	19.67			19.0
10	P1/2 BPSK	1	50	19.69			
10	P1/2 BPSK	25	0	19.67			19.0
10	P1/2 BPSK	25	14	19.67			19.0
10	P1/2 BPSK	25	27	19.65			19.0
10	P1/2 BPSK	50	0	19.68			19.0
10	QPSK	1	1	19.72			19.0
10	QPSK	1	26	19.71			19.0
10	QPSK	1	50	19.72			19.0
10	QPSK	25	0	19.72			19.0
10	QPSK	25	14	19.72			19.0
10	QPSK	25	27	19.72			19.0
10	QPSK	50	0	19.71			19.0
10	16QAM	1	1	19.84			19.0
10	16QAM	1	1	19.85			19.0
10	256QAM	1	1	19.87			19.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.54	19.68	19.69	19.0

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	19.96			
10	P1/2 BPSK	1	26	19.23			19.5
10	P1/2 BPSK	1	50	19.24			
10	P1/2 BPSK	25	0	19.18			19.0
10	P1/2 BPSK	25	14	19.20			19.5
10	P1/2 BPSK	25	27	19.17			19.5
10	P1/2 BPSK	50	0	19.20			19.5
10	QPSK	1	1	19.28			19.5
10	QPSK	1	26	19.15			19.5
10	QPSK	1	50	19.14			19.5
10	QPSK	25	0	19.18			19.5
10	QPSK	25	14	19.25			19.5
10	QPSK	25	27	19.23			19.5
10	QPSK	50	0	19.24			19.5
10	16QAM	1	1	19.20			19.5
10	16QAM	1	1	19.19			19.5
10	256QAM	1	1	19.19			19.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.11	19.17	19.08	19.5

n30_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	19.23			
10	P1/2 BPSK	1	26	19.28			21.0
10	P1/2 BPSK	1	50	19.21			
10	P1/2 BPSK	25	0	19.20			21.0
10	P1/2 BPSK	25	14	19.19			21.0
10	P1/2 BPSK	25	27	19.19			21.0
10	P1/2 BPSK	50	0	19.27			21.0
10	QPSK	1	1	19.35			21.0
10	QPSK	1	26	19.27			21.0
10	QPSK	1	50	19.28			21.0
10	QPSK	25	0	19.23			21.0
10	QPSK	25	14	19.33			21.0
10	QPSK	25	27	19.35			21.0
10	QPSK	50	0	19.31			21.0
10	16QAM	1	1	19.25			21.0
10	16QAM	1	1	19.25			21.0
10	256QAM	1	1	19.20			20.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.18	19.26	19.19	21.0



n66_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)
Channel							
Frequency (MHz)				1725	1745	1765	
40	P12 BPSK	1	1	24.42	24.52	24.63	25.0
40	P12 BPSK	1	108	24.26	24.40	24.34	25.0
40	P12 BPSK	1	214	24.20	24.43	24.34	25.0
40	P12 BPSK	108	0	23.87	23.98	23.84	24.5
40	P12 BPSK	108	54	24.33	24.45	24.39	25.0
40	P12 BPSK	108	108	23.95	23.93	23.81	24.5
40	P12 BPSK	216	0	23.88	23.95	23.83	24.5
40	QPSK	1	1	24.45	24.53	24.48	25.0
40	QPSK	1	108	24.31	24.45	24.35	25.0
40	QPSK	1	214	24.31	24.43	24.33	25.0
40	QPSK	108	0	23.32	23.43	23.38	24.0
40	QPSK	108	54	24.31	24.36	24.25	25.0
40	QPSK	108	108	23.28	23.32	23.21	24.0
40	QPSK	216	0	23.12	23.28	23.19	24.0
40	16QAM	1	1	23.25	23.33	23.28	24.0
40	16QAM	1	1	23.86	23.89	23.77	23.5
40	256QAM	1	1	19.81	19.88	19.82	20.5
Channel							
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	24.37	24.38	24.37	25.0
Channel							
Frequency (MHz)				1722.5	1745	1732.5	
20	QPSK	1	1	24.29	24.47	24.41	25.0
Channel							
Frequency (MHz)				34400	34600	34400	Turn-up limit (dBm)
20	QPSK	1	1	24.29	24.45	24.34	25.0
Channel							
Frequency (MHz)				34300	34600	34400	Turn-up limit (dBm)
16	QPSK	1	1	24.29	24.43	24.33	25.0
Channel							
Frequency (MHz)				34300	34600	34500	Turn-up limit (dBm)
16	QPSK	1	1	24.29	24.48	24.40	25.0
Channel							
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	24.34	24.48	24.34	25.0

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)
Channel							
Frequency (MHz)				34600	34600	34600	
40	P12 BPSK	1	1	16.91	16.93	16.98	17.5
40	P12 BPSK	1	108	16.84	17.01	16.91	17.5
40	P12 BPSK	1	214	16.93	16.94	16.98	17.5
40	P12 BPSK	108	0	16.98	16.93	16.89	17.0
40	P12 BPSK	108	54	16.92	16.94	16.98	17.5
40	P12 BPSK	108	108	16.99	16.97	16.98	17.5
40	P12 BPSK	216	0	16.98	16.95	16.97	17.5
40	QPSK	1	1	17.03	17.08	17.05	17.5
40	QPSK	1	108	16.91	16.94	16.91	17.5
40	QPSK	1	214	16.87	17.00	16.91	17.5
40	QPSK	108	0	16.95	17.03	16.89	17.5
40	QPSK	108	54	17.01	17.05	17.03	17.5
40	QPSK	108	108	16.98	16.98	16.91	17.5
40	QPSK	216	0	16.99	17.04	17.04	17.5
40	16QAM	1	1	16.87	16.92	16.90	17.5
40	16QAM	1	1	16.95	16.98	16.91	17.5
40	256QAM	1	1	16.91	16.93	16.98	17.5
Channel							
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	16.91	17.03	16.92	17.5
Channel							
Frequency (MHz)				1722.5	1745	1732.5	
20	QPSK	1	1	16.91	16.97	16.93	17.5
Channel							
Frequency (MHz)				34600	34600	34600	Turn-up limit (dBm)
20	QPSK	1	1	16.91	16.97	16.93	17.5
Channel							
Frequency (MHz)				34300	34600	34500	Turn-up limit (dBm)
16	QPSK	1	1	16.95	16.96	16.97	17.5
Channel							
Frequency (MHz)				34300	34600	34500	Turn-up limit (dBm)
16	QPSK	1	1	16.89	17.03	17.00	17.5
Channel							
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	16.92	16.94	16.89	17.5

n66_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)
Channel							
Frequency (MHz)				34600	34600	34600	
40	P12 BPSK	1	1	22.79	22.79	22.79	24.5
40	P12 BPSK	1	108	22.72	22.83	22.79	24.5
40	P12 BPSK	1	214	22.82	22.83	22.73	24.5
40	P12 BPSK	108	0	22.19	22.32	22.17	24.0
40	P12 BPSK	108	54	22.78	22.83	22.76	24.5
40	P12 BPSK	108	108	22.25	22.35	22.30	24.0
40	P12 BPSK	216	0	22.16	22.30	22.14	24.0
40	QPSK	1	1	22.92	22.95	22.98	24.5
40	QPSK	1	108	22.82	22.88	22.83	24.5
40	QPSK	1	214	22.84	22.92	22.76	24.5
40	QPSK	108	0	21.70	21.82	21.69	23.5
40	QPSK	108	54	22.74	22.80	22.76	24.5
40	QPSK	108	108	21.65	21.73	21.61	23.5
40	QPSK	216	0	21.79	21.88	21.84	23.5
40	16QAM	1	1	21.76	21.90	21.78	23.5
40	16QAM	1	1	20.31	20.42	20.37	20.5
40	256QAM	1	1	18.27	18.35	18.20	20.0
Channel							
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.85	22.88	22.76	24.5
Channel							
Frequency (MHz)				34700	34700	34700	Turn-up limit (dBm)
20	QPSK	1	1	21.65	21.80	21.63	23.5
Channel							
Frequency (MHz)				34600	34600	34600	Turn-up limit (dBm)
20	QPSK	1	1	21.65	21.84	21.76	23.5
Channel							
Frequency (MHz)				34300	34600	34500	Turn-up limit (dBm)
20	QPSK	1	1	21.65	21.86	21.77	23.5
Channel							
Frequency (MHz)				34300	34600	34500	Turn-up limit (dBm)
15	QPSK	1	1	22.81	22.84	22.83	24.5
Channel							
Frequency (MHz)				34300	34600	34500	Turn-up limit (dBm)
10	QPSK	1	1	22.85	22.80	22.80	24.5
Channel							
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.79	22.84	22.75	24.5



n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	24.43	24.60	24.65	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.48	24.49		
20	PI2 BPSK	1	104	24.31	24.52	24.47		
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.05	23.88	26.0	0.0
20	QPSK	1	1	24.48	24.60	24.60		
20	QPSK	1	53	24.48	24.53	24.49		
20	QPSK	1	104	24.46	24.56	24.51	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45	26.0	0.0
20	QPSK	50	28	24.48	24.54	24.39	26.0	0.0
20	QPSK	50	56	23.42	23.56	23.49	25.0	1.0
20	QPSK	100	0	23.42	23.55	23.39	25.5	2.5
20	16QAM	1	1	23.38	23.52	23.38		
20	16QAM	1	1	21.74	21.85	21.79		
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				137600	139100	140600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				680.5	688.5	696.5		
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0
Channel				139100	140600	142100	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				696	703.5	711		
10	PI2 BPSK	1	1	24.43	24.55	24.51	26.0	0.0
Channel				142100	143600	145100	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				711	718.5	726		
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0

n71_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	24.43	24.60	24.65	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.48	24.49		
20	PI2 BPSK	1	104	24.31	24.52	24.47		
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.05	23.88	26.0	0.0
20	QPSK	1	1	24.48	24.60	24.60		
20	QPSK	1	53	24.48	24.53	24.49		
20	QPSK	1	104	24.46	24.56	24.51	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45	26.0	0.0
20	QPSK	50	28	24.48	24.54	24.39	26.0	0.0
20	QPSK	50	56	23.42	23.56	23.49	25.0	1.0
20	QPSK	100	0	23.42	23.55	23.39	25.5	2.5
20	16QAM	1	1	23.38	23.52	23.38		
20	16QAM	1	1	21.74	21.85	21.79		
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				140600	142100	143600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				696.5	703.5	711		
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0
Channel				142100	143600	145100	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				711	718.5	726		
10	PI2 BPSK	1	1	24.43	24.55	24.51	26.0	0.0
Channel				143600	145100	146600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				726	733.5	741		
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0

n41_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				506202	518598	528000	25.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PV2 BPSK	1	1	23.41	23.53	23.52	25.0	0.0
100	PV2 BPSK	1	137	23.32	23.45	23.40		
100	PV2 BPSK	1	271	23.29	23.37	23.36		
100	PV2 BPSK	135	0	23.28	23.45	23.36		
100	PV2 BPSK	135	69	23.28	23.39	23.39	25.0	0.0
100	PV2 BPSK	135	138	23.26	23.46	23.43	25.0	0.0
100	PV2 BPSK	270	0	23.35	23.46	23.45	25.0	0.0
100	QPSK	1	1	23.45	23.59	23.55		
100	QPSK	1	137	23.35	23.40	23.26		
100	QPSK	1	271	23.46	23.53	23.41		
100	QPSK	135	0	23.22	23.38	23.32	25.0	0.0
100	QPSK	135	69	23.39	23.41	23.27		
100	QPSK	135	138	23.32	23.40	23.34		
100	QPSK	270	0	23.01	23.13	23.04		
100	16QAM	1	1	23.48	23.53	23.39	25.0	0.0
100	64QAM	1	1	23.35	23.50	23.43	25.0	0.0
100	256QAM	1	1	21.86	21.92	21.85	23.0	2.0
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	23.38	23.43	23.42	25.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	23.38	23.54	23.46	25.0	0.0
Channel				2531.01	2592.99	2655	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	23.37	23.51	23.44	25.0	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	23.30	23.51	23.42	25.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	23.19	23.53	23.41	25.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	23.32	23.52	23.43	25.0	0.0
Channel				502203	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	23.30	23.51	23.44	25.0	0.0
Channel				501700	518598	535500	Tune-up limit	MPR
Frequency (MHz)				2504.02	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	23.35	23.43	23.47	25.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2504.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	23.31	23.54	23.43	25.0	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.15	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	23.22	23.53	23.48	25.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	23.35	23.43	23.47	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	17.0	0.0
Frequency (MHz)				2548.01	2592.99	2640		
100	PV2 BPSK	1	1	15.46	15.51	15.54	17.0	0.0
100	PV2 BPSK	1	137	15.39	15.58	15.56		
100	PV2 BPSK	1	271	15.48	15.57	15.50		
100	PV2 BPSK	135	0	15.50	15.55	15.47		
100	PV2 BPSK	135	69	15.41	15.56	15.47	17.0	0.0
100	PV2 BPSK	135	138	15.40	15.60	15.56	17.0	0.0
100	PV2 BPSK	270	0	15.41	15.55	15.57	17.0	0.0
100	QPSK	1	1	15.55	15.55	15.62		
100	QPSK	1	137	15.42	15.57	15.48		
100	QPSK	1	271	15.38	15.53	15.50		
100	QPSK	135	0	15.40	15.56	15.48	17.0	0.0
100	QPSK	135	69	15.53	15.62	15.60		
100	QPSK	135	138	15.39	15.53	15.55		
100	QPSK	270	0	15.50	15.60	15.58		
100	16QAM	1	1	15.47	15.59	15.47	17.0	0.0
100	64QAM	1	1	15.39	15.59	15.53	17.0	0.0
100	256QAM	1	1	15.41	15.59	15.46	17.0	0.0
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	15.39	15.53	15.53	17.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	15.48	15.50	15.54	17.0	0.0
Channel				2531.01	2592.99	2655	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	15.50	15.60	15.54	17.0	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	15.39	15.51	15.51	17.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	15.39	15.59	15.57	17.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	15.39	15.53	15.51	17.0	0.0
Channel				502203	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	15.45	15.58	15.53	17.0	0.0
Channel				501700	518598	535500	Tune-up limit	MPR
Frequency (MHz)				2504.02	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	15.48	15.51	15.48	17.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2504.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	15.46	15.60	15.47	17.0	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.15	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	15.48	15.54	15.47	17.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	15.46	15.52	15.47	17.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	23.70	23.84	23.92	25.0	0.0
100	P1/2 BPSK	1	137	23.77	23.84	23.73		
100	P1/2 BPSK	1	271	23.85	23.83	23.77		
100	P1/2 BPSK	135	0	23.80	23.87	23.81	25.0	0.0
100	P1/2 BPSK	135	69	23.83	23.83	23.77	25.0	0.0
100	P1/2 BPSK	135	138	23.73	23.86	23.76	25.0	0.0
100	P1/2 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.13	24.12	25.0	0.0
100	QPSK	1	137	23.74	23.79	23.82		
100	QPSK	1	271	23.84	23.98	23.88		
100	QPSK	135	0	23.70	23.84	23.82	25.0	0.0
100	QPSK	135	69	23.85	23.85	23.83		
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.68	23.82	23.80	25.0	0.0
100	IQQAM	1	1	23.80	23.85	23.80	25.0	0.0
100	IQQAM	1	1	23.75	23.86	23.73	25.0	0.0
100	SDQAM	1	1	22.85	22.77	22.70	25.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	649668	650000	650232	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.71	24.07	24.02	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.76	24.01	23.96	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.75	23.87	23.98	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.75	23.88	24.00	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.74	24.02	24.07	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.79	24.05	24.01	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.75	23.99	24.00	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.77	24.03	24.05	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.76	24.02	23.96	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.72	24.06	24.02	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	23.65	23.65	23.65	25.0	0.0
100	P1/2 BPSK	1	137	23.77	23.45	23.45		
100	P1/2 BPSK	1	271	23.84	23.36	23.36		
100	P1/2 BPSK	135	0	23.80	23.36	23.36	25.0	0.0
100	P1/2 BPSK	135	69	23.83	23.47	23.47	25.0	0.0
100	P1/2 BPSK	135	138	23.46	23.46	23.46	25.0	0.0
100	P1/2 BPSK	270	0	23.47	23.47	23.47	25.0	0.0
100	QPSK	1	1	23.65	23.65	23.65	25.0	0.0
100	QPSK	1	137	23.34	23.34	23.34		
100	QPSK	1	271	23.84	23.47	23.47		
100	QPSK	135	0	23.80	23.46	23.46	25.0	0.0
100	QPSK	135	69	23.83	23.48	23.48	25.0	0.0
100	QPSK	135	138	23.44	23.44	23.44	25.0	0.0
100	QPSK	270	0	23.46	23.46	23.46	25.0	0.0
100	IQQAM	1	1	23.50	23.34	23.34	25.0	0.0
100	IQQAM	1	1	23.45	23.33	23.33	25.0	0.0
100	SDQAM	1	1	22.29	22.29	22.29	25.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	639000	639332	639666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.52	23.45	23.57	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	639234	639332	639400	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.42	23.33	23.50	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.39	23.14	23.51	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.38	23.14	23.51	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.40	23.09	23.49	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.43	23.35	23.48	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.47	23.33	23.51	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.44	23.30	23.42	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.39	23.35	23.45	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.38	23.35	23.51	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	23.89	23.94	23.92	25.0	0.0
100	P1/2 BPSK	1	137	23.77	23.84	23.73		
100	P1/2 BPSK	1	271	23.85	23.83	23.77		
100	P1/2 BPSK	135	0	23.80	23.87	23.81	25.0	0.0
100	P1/2 BPSK	135	69	23.83	23.83	23.77	25.0	0.0
100	P1/2 BPSK	135	138	23.73	23.86	23.76	25.0	0.0
100	P1/2 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.13	24.12	25.0	0.0
100	QPSK	1	137	23.74	23.79	23.82		
100	QPSK	1	271	23.84	23.96	23.88		
100	QPSK	135	0	23.70	23.84	23.82	25.0	0.0
100	QPSK	135	69	23.85	23.85	23.83		
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.68	23.82	23.80	25.0	0.0
100	IQQAM	1	1	23.80	23.85	23.80	25.0	0.0
100	IQQAM	1	1	23.75	23.86	23.73	25.0	0.0
100	SDQAM	1	1	22.85	22.77	22.70	25.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3746.00	3746.98	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.71	24.07	24.02	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	3736.00	3740.00	3744.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	649668	650000	650332	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	3730.02	3740.00	3749.98	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	649334	650000	650666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	3725.02	3735.00	3745.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	3721.02	3731.00	3741.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	649000	649500	650000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	3713.02	3723.00	3733.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	647950	650000	650050	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	3712.00	3722.00	3732.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	647324	650000	650666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	3709.00	3719.00	3729.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	647277	650000	650666	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	3707.00	3717.00	3727.00	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	647000	650000	650000	Tune-up limit (dBm)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	3702.00	3712.00	3722.00	Tune-up limit (dBm)	MPR

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	23.02	23.45	23.97	25.0	0.0
100	P12 BPSK	1	137	23.45	23.88	24.31		
100	P12 BPSK	1	271	23.88	24.31	24.74		
100	P12 BPSK	135	0	23.38	23.81	24.24	25.0	0.0
100	P12 BPSK	135	69	23.47	23.90	24.33	25.0	0.0
100	P12 BPSK	135	138	23.48	23.91	24.34	25.0	0.0
100	P12 BPSK	270	0	23.47	23.90	24.33	25.0	0.0
100	QPSK	1	1	23.02	23.45	23.88	25.0	0.0
100	QPSK	1	137	23.45	23.88	24.31		
100	QPSK	1	271	23.88	24.31	24.74		
100	QPSK	135	0	23.47	23.90	24.33	25.0	0.0
100	QPSK	135	69	23.48	23.91	24.34		
100	QPSK	135	138	23.44	23.87	24.30		
100	QPSK	270	0	23.38	23.81	24.24	25.0	0.0
100	16QAM	1	1	23.34	23.77	24.20	25.0	0.0
100	64QAM	1	1	23.33	23.76	24.19	25.0	0.0
100	256QAM	1	1	23.29	23.72	24.15	25.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	19.83	20.07	20.28	21.0	0.0
100	P12 BPSK	1	137	19.90	20.07	20.05		
100	P12 BPSK	1	271	19.80	20.08	19.99		
100	P12 BPSK	135	0	19.83	20.08	20.09	21.0	0.0
100	P12 BPSK	135	69	19.83	20.10	20.02	21.0	0.0
100	P12 BPSK	135	138	19.84	20.07	20.08	21.0	0.0
100	P12 BPSK	270	0	19.84	20.09	20.09	21.0	0.0
100	QPSK	1	1	19.88	20.18	20.15	21.0	0.0
100	QPSK	1	137	19.84	20.05	20.08		
100	QPSK	1	271	19.84	20.09	20.09		
100	QPSK	135	0	19.83	20.08	20.01	21.0	0.0
100	QPSK	135	69	19.85	20.15	20.12		
100	QPSK	135	138	19.89	20.02	20.01		
100	QPSK	270	0	19.82	20.13	20.13	21.0	0.0
100	16QAM	1	1	19.82	20.02	20.09	21.0	0.0
100	64QAM	1	1	19.81	20.11	20.08	21.0	0.0
100	256QAM	1	1	19.80	20.11	20.04	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	64960	64932	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	64960	64966	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	64968	64960	64932	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64934	64960	64966	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	64968	64960	64932	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64934	64960	64966	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64968	64960	64932	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	64934	64960	64966	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64968	64960	64932	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	64934	64960	64966	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	64968	64960	64932	Tune-up limit (dB)	MPR

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	19.29	19.54	19.59	21.0	0.0
100	P12 BPSK	1	137	19.29	19.54	19.59		
100	P12 BPSK	1	271	19.29	19.54	19.59		
100	P12 BPSK	135	0	19.29	19.54	19.59	21.0	0.0
100	P12 BPSK	135	69	19.29	19.54	19.59	21.0	0.0
100	P12 BPSK	135	138	19.29	19.54	19.59	21.0	0.0
100	P12 BPSK	270	0	19.29	19.54	19.59	21.0	0.0
100	QPSK	1	1	19.29	19.54	19.59	21.0	0.0
100	QPSK	1	137	19.29	19.54	19.59		
100	QPSK	1	271	19.29	19.54	19.59		
100	QPSK	135	0	19.29	19.54	19.59	21.0	0.0
100	QPSK	135	69	19.29	19.54	19.59		
100	QPSK	135	138	19.29	19.54	19.59		
100	QPSK	270	0	19.29	19.54	19.59	21.0	0.0
100	16QAM	1	1	19.29	19.54	19.59	21.0	0.0
100	64QAM	1	1	19.29	19.54	19.59	21.0	0.0
100	256QAM	1	1	19.29	19.54	19.59	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
25	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	63360	63332	63366	Tune-up limit (dB)	MPR

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3795	3945	4095		
Frequency (MHz)				23.28	23.34	23.42		
100	PI2 BPSK	1	1	23.28	23.34	23.42	25.0	0.0
100	PI2 BPSK	1	137	23.77	23.84	23.73		
100	PI2 BPSK	1	271	23.85	23.83	23.77		
100	PI2 BPSK	135	0	23.80	23.87	23.81	25.0	0.0
100	PI2 BPSK	135	69	23.83	23.83	23.77	25.0	0.0
100	PI2 BPSK	135	138	23.73	23.86	23.76		
100	PI2 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.15	24.12		
100	QPSK	1	137	23.74	23.79	23.82	25.0	0.0
100	QPSK	1	271	23.84	23.96	23.88		
100	QPSK	135	0	23.76	23.84	23.82		
100	QPSK	135	69	23.83	23.85	23.83	25.0	0.0
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.66	23.82	23.86	25.0	0.0
100	16QAM	1	1	23.80	23.86	23.80	25.0	0.0
100	64QAM	1	1	23.25	23.86	23.73	25.0	0.0
100	256QAM	1	1	22.69	22.77	22.70	25.0	0.0
Channel				64968	65900	66832	Tune-up limit (dB)	MPR
Frequency (MHz)				64968	65900	66832		
90	QPSK	1	1	23.71	24.07	24.02	25.0	0.0
Channel				64934	65900	66866	Tune-up limit (dB)	MPR
Frequency (MHz)				64934	65900	66866		
80	QPSK	1	1	23.76	24.08	24.05	25.0	0.0
Channel				64900	65900	66900	Tune-up limit (dB)	MPR
Frequency (MHz)				64900	65900	66900		
70	QPSK	1	1	23.76	24.01	23.96	25.0	0.0
Channel				64866	65900	66932	Tune-up limit (dB)	MPR
Frequency (MHz)				64866	65900	66932		
60	QPSK	1	1	23.73	23.72	23.78	25.0	0.0
Channel				64834	65900	66966	Tune-up limit (dB)	MPR
Frequency (MHz)				64834	65900	66966		
50	QPSK	1	1	23.81	23.88	24.09	25.0	0.0
Channel				64800	65900	66900	Tune-up limit (dB)	MPR
Frequency (MHz)				64800	65900	66900		
40	QPSK	1	1	23.74	24.03	24.07	25.0	0.0
Channel				64768	65900	66832	Tune-up limit (dB)	MPR
Frequency (MHz)				64768	65900	66832		
30	QPSK	1	1	23.79	24.06	24.01	25.0	0.0
Channel				64734	65900	66800	Tune-up limit (dB)	MPR
Frequency (MHz)				64734	65900	66800		
25	QPSK	1	1	23.76	23.99	24.00	25.0	0.0
Channel				64700	65900	66666	Tune-up limit (dB)	MPR
Frequency (MHz)				64700	65900	66666		
20	QPSK	1	1	23.77	24.03	24.05	25.0	0.0
Channel				64666	65900	66632	Tune-up limit (dB)	MPR
Frequency (MHz)				64666	65900	66632		
15	QPSK	1	1	23.76	24.02	23.96	25.0	0.0
Channel				64632	65900	66600	Tune-up limit (dB)	MPR
Frequency (MHz)				64632	65900	66600		
10	QPSK	1	1	23.72	24.06	24.02	25.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3495	36332	3495		
Frequency (MHz)				3495	36332	3495		
100	PI2 BPSK	1	1	23.45		23.45	25.0	0.0
100	PI2 BPSK	1	137	23.45		23.45		
100	PI2 BPSK	1	271	23.84		23.84		
100	PI2 BPSK	135	0	23.36		23.36	25.0	0.0
100	PI2 BPSK	135	69	23.47		23.47	25.0	0.0
100	PI2 BPSK	135	138	23.46		23.46		
100	PI2 BPSK	270	0	23.47		23.47	25.0	0.0
100	QPSK	1	1	23.65		23.65		
100	QPSK	1	137	23.34		23.34	25.0	0.0
100	QPSK	1	271	23.84		23.84		
100	QPSK	135	0	23.47		23.47		
100	QPSK	135	69	23.46		23.46	25.0	0.0
100	QPSK	135	138	23.44		23.44		
100	QPSK	270	0	23.36		23.36	25.0	0.0
100	16QAM	1	1	23.34		23.34	25.0	0.0
100	64QAM	1	1	23.63		23.63	25.0	0.0
100	256QAM	1	1	22.29		22.29	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
90	QPSK	1	1	23.52	23.45	23.57	25.0	0.0
Channel				63068	63032	63000	Tune-up limit (dB)	MPR
Frequency (MHz)				63068	63032	63000		
80	QPSK	1	1	23.47	23.31	23.49	25.0	0.0
Channel				63234	63032	63432	Tune-up limit (dB)	MPR
Frequency (MHz)				63234	63032	63432		
70	QPSK	1	1	23.42	23.33	23.50	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
60	QPSK	1	1	23.39	23.34	23.51	25.0	0.0
Channel				63068	63032	63000	Tune-up limit (dB)	MPR
Frequency (MHz)				63068	63032	63000		
50	QPSK	1	1	23.39	23.24	23.53	25.0	0.0
Channel				63034	63032	63032	Tune-up limit (dB)	MPR
Frequency (MHz)				63034	63032	63032		
40	QPSK	1	1	23.44	23.31	23.47	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
30	QPSK	1	1	23.43	23.35	23.48	25.0	0.0
Channel				63064	63032	63032	Tune-up limit (dB)	MPR
Frequency (MHz)				63064	63032	63032		
25	QPSK	1	1	23.47	23.33	23.51	25.0	0.0
Channel				63068	63032	63000	Tune-up limit (dB)	MPR
Frequency (MHz)				63068	63032	63000		
20	QPSK	1	1	23.44	23.30	23.42	25.0	0.0
Channel				63000	63032	63066	Tune-up limit (dB)	MPR
Frequency (MHz)				63000	63032	63066		
15	QPSK	1	1	23.39	23.35	23.45	25.0	0.0
Channel				63034	63032	63032	Tune-up limit (dB)	MPR
Frequency (MHz)				63034	63032	63032		
10	QPSK	1	1	23.38	23.35	23.51	25.0	0.0

Band 5_Ant 0												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)				
Channel Frequency (MHz)												
10	QPSK	1	0	24.21	24.30	24.21	26	0				
10	QPSK	1	25	24.22	24.31	24.22						
10	QPSK	1	49	24.20	24.12	24.17						
10	QPSK	25	0	23.21	23.28	23.22	25	1				
10	QPSK	25	12	23.28	23.32	23.29						
10	QPSK	25	25	23.27	23.26	23.24						
10	QPSK	50	0	23.21	23.25	23.19	25	1				
10	16QAM	1	0	23.41	23.39	23.47						
10	16QAM	1	25	23.40	23.35	23.37						
10	16QAM	1	49	23.50	23.46	23.52	24	2				
10	16QAM	25	0	22.30	22.31	22.28						
10	16QAM	25	12	22.32	22.33	22.26						
10	16QAM	25	25	22.32	22.32	22.30	24	2				
10	16QAM	50	0	22.29	22.27	22.23						
10	64QAM	1	0	22.26	22.26	22.27						
10	64QAM	1	25	22.37	22.55	22.39	24	2				
10	64QAM	1	49	22.36	22.46	22.46						
10	64QAM	25	0	21.24	21.30	21.26						
10	64QAM	25	12	21.36	21.31	21.28	23	3				
10	64QAM	25	25	21.30	21.33	21.33						
10	64QAM	50	0	21.28	21.26	21.24						
10	256QAM	1	0	19.60	19.65	19.64	21	5				
10	256QAM	1	25	19.81	19.84	19.80						
10	256QAM	1	49	19.79	19.83	19.82						
10	256QAM	1	12	19.77	19.86	19.86	21	5				
10	256QAM	25	12	19.65	19.70	19.66						
10	256QAM	25	25	19.75	19.78	19.75						
10	256QAM	50	0	19.68	19.71	19.70	21	5				
Channel Frequency (MHz)												
5	QPSK	1	0	24.19	24.28	24.15	26	0				
5	QPSK	1	12	24.17	24.21	24.18						
5	QPSK	1	24	24.16	24.21	24.22						
5	QPSK	12	0	23.26	23.29	23.27	25	1				
5	QPSK	12	7	23.29	23.30	23.34						
5	QPSK	12	13	23.28	23.34	23.33						
5	QPSK	25	0	23.29	23.35	23.29	25	1				
5	16QAM	1	0	23.41	23.61	23.48						
5	16QAM	1	12	23.46	23.54	23.49						
5	16QAM	12	0	22.23	22.39	22.31	24	2				
5	16QAM	12	7	22.34	22.37	22.37						
5	16QAM	12	13	22.31	22.38	22.34						
5	16QAM	25	0	22.26	22.30	22.23	24	2				
5	64QAM	1	0	22.36	22.38	22.31						
5	64QAM	1	12	22.28	22.49	22.36						
5	64QAM	1	24	22.41	22.33	22.36	23	3				
5	64QAM	12	0	21.26	21.35	21.25						
5	64QAM	12	7	21.29	21.33	21.36						
5	64QAM	12	13	21.27	21.38	21.34	21	5				
5	64QAM	25	0	21.28	21.27	21.25						
5	256QAM	1	0	19.59	19.64	19.59						
5	256QAM	1	12	19.76	19.78	19.76	21	5				
5	256QAM	1	24	19.78	19.80	19.79						
5	256QAM	12	0	19.68	19.66	19.61						
5	256QAM	12	7	19.62	19.66	19.61	21	5				
5	256QAM	12	13	19.74	19.77	19.72						
5	256QAM	25	0	19.66	19.70	19.66						
Channel Frequency (MHz)												
3	QPSK	1	0	24.13	24.20	24.22	26	0				
3	QPSK	1	8	24.15	24.25	24.24						
3	QPSK	1	14	24.14	24.21	24.18						
3	QPSK	8	0	23.24	23.28	23.24	25	1				
3	QPSK	8	7	23.23	23.32	23.32						
3	QPSK	8	7	23.23	23.30	23.32						
3	QPSK	15	0	23.21	23.24	23.29	25	1				
3	16QAM	1	0	23.39	23.53	23.53						
3	16QAM	1	8	23.39	23.53	23.53						
3	16QAM	1	14	23.37	23.44	23.44	24	2				
3	16QAM	8	0	22.32	22.31	22.30						
3	16QAM	8	7	22.31	22.38	22.42						
3	16QAM	8	7	22.26	22.40	22.40	24	2				
3	16QAM	15	0	22.25	22.29	22.34						
3	64QAM	1	0	22.35	22.42	22.40						
3	64QAM	1	8	22.41	22.48	22.46	23	3				
3	64QAM	1	14	22.34	22.38	22.40						
3	64QAM	8	0	21.26	21.34	21.25						
3	64QAM	8	4	21.32	21.41	21.40	21	5				
3	64QAM	8	7	21.27	21.38	21.37						
3	64QAM	15	0	21.24	21.29	21.35						
3	256QAM	1	0	19.58	19.60	19.59	21	5				
3	256QAM	1	8	19.77	19.81	19.79						
3	256QAM	1	14	19.76	19.82	19.78						
3	256QAM	8	0	19.65	19.69	19.64	21	5				
3	256QAM	8	4	19.63	19.69	19.62						
3	256QAM	8	7	19.72	19.75	19.71						
3	256QAM	15	0	19.64	19.70	19.65	21	5				
Channel Frequency (MHz)												
1.4	QPSK	1	0	24.16	24.20	24.19	26	0				
1.4	QPSK	1	3	24.14	24.25	24.15						
1.4	QPSK	1	6	24.14	24.22	24.23						
1.4	QPSK	3	0	24.10	24.16	24.19	25	1				
1.4	QPSK	3	1	24.11	24.19	24.20						
1.4	QPSK	3	3	24.11	24.20	24.19						
1.4	QPSK	6	0	23.16	23.20	23.26	25	1				
1.4	16QAM	1	0	23.49	23.56	23.59						
1.4	16QAM	1	3	23.59	23.56	23.60						
1.4	16QAM	1	5	23.52	23.53	23.55	24	2				
1.4	16QAM	3	0	23.31	23.38	23.36						
1.4	16QAM	3	1	23.29	23.36	23.34						



n2_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)				1840	1840	1900			
20	P12 BPSK	1	1	23.90	23.93	23.93	25.0	0.0	
20	P12 BPSK	1	53	23.80	23.88	23.73	25.0	0.0	
20	P12 BPSK	1	104	23.70	23.80	23.77	25.0	0.0	
20	P12 BPSK	50	0	23.20	23.31	23.23	24.5	0.5	
20	P12 BPSK	50	28	23.72	23.82	23.68	25.0	0.0	
20	P12 BPSK	50	56	23.17	23.28	23.13	24.5	0.5	
20	P12 BPSK	100	0	23.21	23.30	23.15	24.5	0.5	
20	QPSK	1	1	23.90	23.92	23.97	25.0	0.0	
20	QPSK	1	53	23.78	23.94	23.80	25.0	0.0	
20	QPSK	1	104	23.85	23.96	23.91	25.0	0.0	
20	QPSK	50	0	22.90	23.00	23.03	24.0	1.0	
20	QPSK	50	28	23.80	23.88	23.91	25.0	0.0	
20	QPSK	50	56	23.60	23.72	23.66	24.0	1.0	
20	QPSK	100	0	22.90	23.00	22.90	24.0	1.0	
20	16QAM	1	1	22.77	22.92	22.83	24.0	1.0	
20	16QAM	1	1	21.40	21.50	21.40	22.5	2.5	
20	256QAM	1	1	19.40	19.53	19.44	20.5	4.5	
Channel									
Frequency (MHz)				1857.5	1860	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.80	23.91	23.85	25.0	0.0	
Channel									
Frequency (MHz)				1900	1900	1900	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.80	23.80	23.80	25.0	0.0	
Channel									
Frequency (MHz)				1905.08	1906.00	1915.08	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.70	23.77	23.74	25.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37200	37600	38000			
20	P12 BPSK	1	1	12.92	12.94	12.96	14.0	0.0	
20	P12 BPSK	1	53	12.93	13.04	12.89	14.0	0.0	
20	P12 BPSK	1	104	12.93	13.00	12.95	14.0	0.0	
20	P12 BPSK	50	0	12.89	12.98	12.93	14.0	0.0	
20	P12 BPSK	50	28	12.98	13.00	12.92	14.0	0.0	
20	P12 BPSK	50	56	13.00	12.93	12.89	14.0	0.0	
20	P12 BPSK	100	0	12.97	12.98	12.97	14.0	0.0	
20	QPSK	1	1	13.05	13.02	13.03	14.0	0.0	
20	QPSK	1	53	13.06	13.07	13.01	14.0	0.0	
20	QPSK	1	104	12.95	13.02	12.92	14.0	0.0	
20	QPSK	50	0	12.95	13.00	12.90	14.0	0.0	
20	QPSK	50	28	13.03	13.05	13.01	14.0	0.0	
20	QPSK	50	56	12.95	12.97	12.91	14.0	0.0	
20	QPSK	100	0	12.98	13.02	12.95	14.0	0.0	
20	16QAM	1	1	12.94	12.98	12.95	14.0	0.0	
20	16QAM	1	1	13.00	12.94	12.97	14.0	0.0	
20	256QAM	1	1	12.93	13.01	12.98	14.0	0.0	
Channel									
Frequency (MHz)				91150	90500	90850	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	12.90	13.01	12.95	14.0	0.0	
Channel									
Frequency (MHz)				1607.5	1680	1902.5	Tune-up limit (dB)	MPR (dB)	
10	QPSK	1	1	12.91	13.03	12.98	14.0	0.0	
Channel									
Frequency (MHz)				37650	37600	38100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	12.92	12.94	12.96	14.0	0.0	

n2_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Channel	Power High Channel	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	17.30	17.34	17.27			
20	P12 BPSK	1	53	17.31	17.38	17.31	19.0	0.0	
20	P12 BPSK	1	104	17.30	17.41	17.30	19.0	0.0	
20	P12 BPSK	50	0	17.31	17.36	17.37	19.0	0.0	
20	P12 BPSK	50	28	17.41	17.32	17.30	19.0	0.0	
20	P12 BPSK	50	56	17.41	17.42	17.41	19.0	0.0	
20	P12 BPSK	100	0	17.38	17.37	17.37	19.0	0.0	
20	QPSK	1	1	17.40	17.40	17.41	19.0	0.0	
20	QPSK	1	53	17.34	17.36	17.28	19.0	0.0	
20	QPSK	1	104	17.38	17.43	17.37	19.0	0.0	
20	QPSK	50	0	17.32	17.41	17.36	19.0	0.0	
20	QPSK	50	28	17.43	17.45	17.41	19.0	0.0	
20	QPSK	50	56	17.36	17.43	17.35	19.0	0.0	
20	QPSK	100	0	17.40	17.42	17.38	19.0	0.0	
20	16QAM	1	1	17.34	17.35	17.28	19.0	0.0	
20	16QAM	1	1	17.32	17.36	17.27	19.0	0.0	
20	256QAM	1	1	17.41	17.42	17.37	19.0	0.0	
Frequency (MHz)									
15	QPSK	1	1	1607.5	1680	1902.5	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.34	17.33	17.38	19.0	0.0	
Frequency (MHz)									
10	QPSK	1	1	17.37	17.39	17.36	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	37650	37600	38100	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	17.33	17.42	17.34	19.0	0.0	



n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)	
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]			
Channel				166600	167300	167900			
Frequency (MHz)									
20	P12 BPSK	1	1	24.53	24.53	24.58	26.0	0.0	
20	P12 BPSK	1	53	24.45	24.47	24.45			
20	P12 BPSK	1	104	24.57	24.57	24.61	25.5	0.5	
20	P12 BPSK	50	0	23.98	24.08	23.92			
20	P12 BPSK	50	28	24.47	24.56	24.52	26.0	0.0	
20	P12 BPSK	50	56	23.92	24.05	23.95	25.5	0.5	
20	P12 BPSK	100	0	23.88	23.98	23.94	26.0	0.0	
20	QPSK	1	1	24.58	24.60	24.62			
20	QPSK	1	53	24.50	24.63	24.58	25.0	1.0	
20	QPSK	1	104	24.50	24.63	24.61			
20	QPSK	50	0	23.92	23.77	23.85	26.0	0.0	
20	QPSK	50	28	24.55	24.62	24.62	26.0	0.0	
20	QPSK	50	56	23.70	23.78	23.67	25.0	1.0	
20	QPSK	100	0	23.88	23.73	23.58	25.0	1.0	
20	16QAM	1	1	23.92	23.88	23.98	25.0	1.0	
20	16QAM	1	1	22.98	22.85	22.75	23.5	2.5	
20	256QAM	1	1	20.34	20.25	20.11	21.5	4.5	
Channel									
Frequency (MHz)				167100	167300	167500	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.47	24.52	24.48	26.0	0.0	
Channel									
Frequency (MHz)				16700	16700	16700	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.50	24.49	24.65	26.0	0.0	
Channel									
Frequency (MHz)				166300	167300	168300	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	24.45	24.50	24.47	26.0	0.0	

n5_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)	
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]			
Channel				166800	167300	167800			
Frequency (MHz)				1815	1815	1815			
20	P12 BPSK	1	1	18.06	18.07	18.05	19.5	0.0	
20	P12 BPSK	1	53	18.06	18.07	18.03			
20	P12 BPSK	1	104	18.03	18.01	18.03	19.5	0.0	
20	P12 BPSK	50	0	17.99	18.11	18.07			
20	P12 BPSK	50	28	18.04	18.02	17.98	19.5	0.0	
20	P12 BPSK	50	56	18.02	18.09	18.04	19.5	0.0	
20	P12 BPSK	100	0	17.97	18.11	18.03	19.5	0.0	
20	QPSK	1	1	18.11	18.05	18.13			
20	QPSK	1	53	18.04	18.02	18.01	19.5	0.0	
20	QPSK	1	104	17.97	18.02	18.08			
20	QPSK	50	0	18.00	18.07	18.02	19.5	0.0	
20	QPSK	50	28	18.11	18.14	18.12	19.5	0.0	
20	QPSK	50	56	17.99	18.01	18.04	19.5	0.0	
20	QPSK	100	0	18.09	18.12	18.19			
20	16QAM	1	1	17.97	18.01	18.00	19.5	0.0	
20	16QAM	1	1	18.05	18.04	18.05	19.5	0.0	
20	256QAM	1	1	17.96	18.04	17.99	19.5	0.0	
Channel									
Frequency (MHz)				1815	1815	1815	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.04	18.05	18.01	19.5	0.0	
Channel									
Frequency (MHz)				1800	1800	1800	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.04	18.06	18.07	19.5	0.0	
Channel									
Frequency (MHz)				180300	167300	169300	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	18.04	18.05	18.02	19.5	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Midle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)	MPR (dB)	
Channel				560000	567000	570000			
Frequency (MHz)									
40	P12 BPSK	1	1	23.78	23.78	23.78	25.0	0.0	
40	P12 BPSK	1	106	23.70	23.82	23.88			
40	P12 BPSK	1	214	23.74	23.85	23.75	24.5	0.5	
40	P12 BPSK	106	0	23.27	23.32	23.19			
40	P12 BPSK	106	54	23.72	23.80	23.71	25.0	0.0	
40	P12 BPSK	106	106	23.15	23.30	23.18	24.5	0.5	
40	P12 BPSK	216	0	23.19	23.33	23.18	25.0	0.0	
40	QPSK	1	1	23.80	23.82	23.80			
40	QPSK	1	106	23.74	23.83	23.78	24.0	1.0	
40	QPSK	1	214	23.68	23.80	23.69			
40	QPSK	106	0	22.99	23.05	22.98	24.0	1.0	
40	QPSK	106	54	23.71	23.83	23.68	24.0	1.0	
40	QPSK	106	106	23.65	23.15	23.06			
40	QPSK	216	0	22.90	23.03	22.98	23.5	2.5	
40	16QAM	1	1	22.98	23.01	22.93			
40	16QAM	1	1	21.41	21.58	21.44	20.5	2.5	
40	256QAM	1	1	19.45	19.57	19.44	20.5	4.5	
Channel									
Frequency (MHz)				56150	5636	5656	Turn-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	23.73	23.87	23.78	25.0	0.0	
Channel									
Frequency (MHz)				560200	567000	567000	Turn-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.72	23.76	23.80	23.0	0.0	
Channel									
Frequency (MHz)				561000	567000	570000	Turn-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	23.68	23.86	23.81	25.0	0.0	
Channel									
Frequency (MHz)				561000	567000	570000	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.65	23.84	23.84	25.0	0.0	
Channel									
Frequency (MHz)				560500	567000	570000	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.64	23.85	23.78	25.0	0.0	
Channel									
Frequency (MHz)				560100	567000	570000	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.70	23.78	23.79	25.0	0.0	



n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				50500	50700	51000			
40	P12 BPSK	1	1	11.75	11.85	11.81			
40	P12 BPSK	1	108	11.75	11.91	11.85	13.0	0.0	
40	P12 BPSK	1	214	11.75	11.84	11.88			
40	P12 BPSK	108	0	11.80	11.93	11.82	13.0	0.0	
40	P12 BPSK	108	54	11.76	11.92	11.82	13.0	0.0	
40	P12 BPSK	108	108	11.75	11.90	11.85	13.0	0.0	
40	P12 BPSK	216	0	11.75	11.83	11.77			
40	QPSK	1	1	11.86	11.98	11.93			
40	QPSK	1	108	11.75	11.93	11.84	13.0	0.0	
40	QPSK	1	214	11.75	11.88	11.84			
40	QPSK	108	0	11.75	11.82	11.85	13.0	0.0	
40	QPSK	108	54	11.80	11.95	11.83	13.0	0.0	
40	QPSK	108	108	11.76	11.90	11.86	13.0	0.0	
40	QPSK	216	0	11.80	11.93	11.81			
40	16QAM	1	1	11.76	11.93	11.84	13.0	0.0	
40	16QAM	1	1	11.80	11.85	11.83	13.0	0.0	
40	256QAM	1	1	11.75	11.82	11.80	13.0	0.0	
Channel									
Frequency (MHz)				50600	50700	51200			
30	QPSK	1	1	11.75	11.88	11.88	13.0	0.0	
Channel									
Frequency (MHz)				50600.5	50700.5	51200.5	Tune-up limit (dBm)		
25	QPSK	1	1	11.75	11.87	11.82	13.0	0.0	
Channel									
Frequency (MHz)				505000	507000	512000	Tune-up limit (dBm)		
20	QPSK	1	1	11.74	11.92	11.84	13.0	0.0	
Channel									
Frequency (MHz)				505500	507000	512500	Tune-up limit (dBm)		
15	QPSK	1	1	11.76	11.88	11.85	13.0	0.0	
Channel									
Frequency (MHz)				506000	507000	513000	Tune-up limit (dBm)		
10	QPSK	1	1	11.77	11.84	11.80	13.0	0.0	
Channel									
Frequency (MHz)				506000.5	507000.5	513000.5	Tune-up limit (dBm)		
5	QPSK	1	1	11.73	11.89	11.87	13.0	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									
Frequency (MHz)				141000	141800	141700			
10	P12 BPSK	1	1	24.48	24.53	24.50			
10	P12 BPSK	1	40	24.33	24.41	24.40	20.0	0.0	
10	P12 BPSK	1	77	24.38	24.47	24.45			
10	P12 BPSK	36	0	23.88	23.91	23.90	20.0	0.0	
10	P12 BPSK	36	22	24.42	24.43	24.40	20.0	0.0	
10	P12 BPSK	36	43	23.91	23.93	23.90	20.0	0.0	
10	P12 BPSK	75	0	23.84	23.93	23.90	20.0	0.0	
10	QPSK	1	1	24.50	24.58	24.52			
10	QPSK	1	40	24.42	24.53	24.44	20.0	0.0	
10	QPSK	1	77	24.38	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.37	20.0	1.0	
10	QPSK	36	22	24.47	24.52	24.38	20.0	0.0	
10	QPSK	36	43	23.49	23.48	23.40	20.0	1.0	
10	QPSK	75	0	23.50	23.58	23.53	20.0	1.0	
10	16QAM	1	1	23.42	23.55	23.46	20.0	1.0	
10	16QAM	1	1	23.02	23.13	23.07	20.0	2.5	
10	256QAM	1	1	19.06	20.04	19.04	21.5	4.5	
Channel									
Frequency (MHz)				144000	144300	144200	Tune-up limit (dBm)		
10	QPSK	1	1	24.42	24.44	24.45	20.0	0.0	
Channel									
Frequency (MHz)				703.5	707.5	711.5	Tune-up limit (dBm)		
5	QPSK	1	1	24.45	24.45	24.35	20.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				141300	141600	141700			
10	P12 BPSK	1	1	19.45	19.54	19.50			
10	P12 BPSK	1	40	19.49	19.43	19.48	21.0	0.0	
10	P12 BPSK	1	77	19.47	19.54	19.48			
10	P12 BPSK	36	0	19.47	19.48	19.43	21.0	0.0	
10	P12 BPSK	36	22	19.49	19.51	19.39	21.0	0.0	
10	P12 BPSK	36	43	19.47	19.44	19.48			
10	P12 BPSK	75	0	19.47	19.43	19.37	21.0	0.0	
10	QPSK	1	1	19.56	19.53	19.53			
10	QPSK	1	40	19.44	19.45	19.37	21.0	0.0	
10	QPSK	1	77	19.44	19.49	19.43			
10	QPSK	36	0	19.49	19.52	19.43	21.0	0.0	
10	QPSK	36	22	19.55	19.57	19.52	21.0	0.0	
10	QPSK	36	43	19.49	19.52	19.42			
10	QPSK	75	0	19.52	19.53	19.50	21.0	0.0	
10	16QAM	1	1	19.42	19.46	19.41	21.0	0.0	
10	16QAM	1	1	19.40	19.50	19.45	21.0	0.0	
10	256QAM	1	1	19.44	19.51	19.43	21.0	0.0	
Channel									
Frequency (MHz)				141800	141950	142200	Tune-up limit (dBm)		
10	QPSK	1	1	19.40	19.52	19.39	21.0	0.0	
Channel									
Frequency (MHz)				141700	141950	142100	Tune-up limit (dBm)		
5	QPSK	1	1	19.47	19.53	19.37	21.0	0.0	



n25_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [dBm]	Power Middle Ch. / Freq. [dBm]	Power High Ch. / Freq. [dBm]	Tune-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	24.5	24.4	24.41	25.0
40	P12 BPSK	1	108	24.27	24.38	24.32	25.0
40	P12 BPSK	1	214	24.56	24.42	24.52	25.0
40	P12 BPSK	108	0	23.87	23.95	23.86	24.5
40	P12 BPSK	108	54	24.25	24.40	24.33	25.0
40	P12 BPSK	108	108	23.85	23.92	23.83	24.5
40	P12 BPSK	216	0	23.85	23.95	23.81	24.5
40	QPSK	1	1	24.40	23.63	24.46	25.0
40	QPSK	1	108	24.31	24.47	24.31	25.0
40	QPSK	1	214	24.56	24.45	24.29	25.0
40	QPSK	108	0	23.75	23.33	23.28	24.0
40	QPSK	108	54	24.35	24.45	24.34	25.0
40	QPSK	108	108	23.22	23.34	23.25	24.0
40	QPSK	216	0	23.31	23.38	23.22	24.0
40	16QAM	1	1	23.28	23.31	23.28	24.0
40	16QAM	1	1	21.88	21.82	21.72	22.5
40	256QAM	1	1	19.69	19.78	19.67	20.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	18.65	18.62	18.60	19.0
30	QPSK	1	1	24.45	24.37	24.38	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.65	18.62	18.62	19.0
20	QPSK	1	1	18.78	18.46	18.55	19.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.78	18.62	18.62	19.0
20	QPSK	1	1	18.78	18.46	18.55	19.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	24.50	24.40	24.36	25.0
16	QPSK	1	1	24.52	24.45	24.36	25.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	24.34	24.39	24.37	25.0
Channel							
Frequency [MHz]							
8	QPSK	1	1	18.62	18.62	18.12	19.0
8	QPSK	1	1	24.25	24.40	24.38	25.0

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [dBm]	Power Middle Ch. / Freq. [dBm]	Power High Ch. / Freq. [dBm]	Tune-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	13.41	13.48	13.42	14.0
40	P12 BPSK	1	108	13.47	13.43	13.38	14.0
40	P12 BPSK	1	214	13.41	13.48	13.44	14.0
40	P12 BPSK	108	0	13.43	13.39	13.39	14.0
40	P12 BPSK	108	54	13.43	13.48	13.35	14.0
40	P12 BPSK	108	108	13.37	13.44	13.43	14.0
40	P12 BPSK	216	0	13.45	13.40	13.38	14.0
40	QPSK	1	1	13.43	13.40	13.41	14.0
40	QPSK	1	108	13.48	13.46	13.35	14.0
40	QPSK	1	214	13.48	13.39	13.46	14.0
40	QPSK	108	0	13.42	13.43	13.43	14.0
40	QPSK	108	54	13.51	13.53	13.49	14.0
40	QPSK	108	108	13.40	13.48	13.48	14.0
40	QPSK	216	0	13.49	13.59	13.47	14.0
40	16QAM	1	1	13.46	13.39	13.35	14.0
40	16QAM	1	1	13.44	13.44	13.45	14.0
40	256QAM	1	1	13.44	13.50	13.38	14.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	13.47	13.44	13.37	14.0
30	QPSK	1	1	18.65	18.62	18.60	19.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.65	18.62	18.62	19.0
20	QPSK	1	1	18.77	18.45	18.57	19.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.77	18.45	18.57	19.0
20	QPSK	1	1	18.78	18.45	18.57	19.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	13.40	13.40	13.43	14.0
16	QPSK	1	1	13.40	13.40	13.43	14.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	13.44	13.41	13.43	14.0
Channel							
Frequency [MHz]							
8	QPSK	1	1	13.42	13.48	13.36	14.0

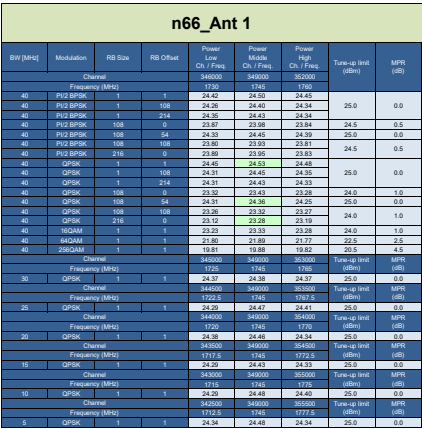
n25_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. [dBm]	Power Middle Ch. / Freq. [dBm]	Power High Ch. / Freq. [dBm]	Tune-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	17.43	17.43	17.48	18.0
40	P12 BPSK	1	108	17.41	17.48	17.45	18.0
40	P12 BPSK	1	214	17.43	17.43	17.43	18.0
40	P12 BPSK	108	0	17.42	17.49	17.37	18.0
40	P12 BPSK	108	54	17.41	17.42	17.39	18.0
40	P12 BPSK	108	108	17.39	17.47	17.45	18.0
40	P12 BPSK	216	0	17.39	17.41	17.45	18.0
40	QPSK	1	1	17.51	17.56	17.53	18.0
40	QPSK	1	108	17.39	17.42	17.37	18.0
40	QPSK	1	214	17.37	17.45	17.39	18.0
40	QPSK	108	0	17.38	17.41	17.45	18.0
40	QPSK	108	54	17.48	17.53	17.50	18.0
40	QPSK	108	108	17.36	17.50	17.57	18.0
40	QPSK	216	0	17.45	17.58	17.48	18.0
40	16QAM	1	1	17.43	17.46	17.42	18.0
40	16QAM	1	1	17.41	17.41	17.38	18.0
40	256QAM	1	1	17.39	17.42	17.40	18.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	17.42	17.44	17.41	18.0
30	QPSK	1	1	18.65	18.62	18.60	19.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.65	18.62	18.62	19.0
20	QPSK	1	1	18.75	18.43	18.43	19.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	18.75	18.43	18.43	19.0
20	QPSK	1	1	18.77	18.45	18.45	19.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	17.42	17.45	17.39	18.0
16	QPSK	1	1	17.40	17.45	17.40	18.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	17.43	17.48	17.37	18.0
Channel							
Frequency [MHz]							
8	QPSK	1	1	17.38	17.45	17.47	18.0



n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	23.0			
10	P1/2 BPSK	1	26	15.3			
10	P1/2 BPSK	1	26	16.67		18.0	0.0
10	P1/2 BPSK	1	50	16.69			
10	P1/2 BPSK	25	0	16.67		18.0	0.0
10	P1/2 BPSK	25	14	16.67		18.0	0.0
10	P1/2 BPSK	25	27	16.65			
10	P1/2 BPSK	50	0	16.68		18.0	0.0
10	QPSK	1	1	16.72		18.0	0.0
10	QPSK	1	26	16.71			
10	QPSK	1	50	16.72			
10	QPSK	25	0	16.72		18.0	0.0
10	QPSK	25	14	16.72		18.0	0.0
10	QPSK	25	27	16.72			
10	QPSK	50	0	16.71		18.0	0.0
10	16QAM	1	1	16.84		18.0	0.0
10	16QAM	1	1	16.85		18.0	0.0
10	256QAM	1	1	16.87		18.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	18.0
5	QPSK	1	1	16.54	16.68	16.69	0.0

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	21.6	13.73		
10	P1/2 BPSK	1	26	11.65			
10	P1/2 BPSK	1	50	11.68		13.0	0.0
10	P1/2 BPSK	25	0	11.72		13.0	0.0
10	P1/2 BPSK	25	14	11.70		13.0	0.0
10	P1/2 BPSK	25	27	11.72			
10	P1/2 BPSK	50	0	11.72		13.0	0.0
10	QPSK	1	1	11.73			
10	QPSK	1	26	11.68		13.0	0.0
10	QPSK	1	50	11.67			
10	QPSK	25	0	11.69		13.0	0.0
10	QPSK	25	14	11.76		13.0	0.0
10	QPSK	25	27	11.73			
10	QPSK	50	0	11.69		13.0	0.0
10	16QAM	1	1	11.70		13.0	0.0
10	16QAM	1	1	11.69		13.0	0.0
10	256QAM	1	1	11.72		13.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	18.0
5	QPSK	1	1	11.70	11.73	11.69	0.0

n30_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	21.6	14.78		
10	P1/2 BPSK	1	26	14.73			
10	P1/2 BPSK	1	50	14.72		16.5	0.0
10	P1/2 BPSK	25	0	14.74		16.5	0.0
10	P1/2 BPSK	25	14	14.69		16.5	0.0
10	P1/2 BPSK	25	27	14.69			
10	P1/2 BPSK	50	0	14.73		16.5	0.0
10	QPSK	1	1	14.82			
10	QPSK	1	26	14.78		16.5	0.0
10	QPSK	1	50	14.72			
10	QPSK	25	0	14.69		16.5	0.0
10	QPSK	25	14	14.83		16.5	0.0
10	QPSK	25	27	14.76			
10	QPSK	50	0	14.88		16.5	0.0
10	16QAM	1	1	14.76		16.5	0.0
10	16QAM	1	1	14.69		16.5	0.0
10	256QAM	1	1	14.71		16.5	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	18.0
5	QPSK	1	1	14.78	14.80	14.75	0.0



n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch 1 [dBm]	Power Middle Ch 2 [dBm]	Power High Ch 3 [dBm]	Turn-up time (dBm)	MPS (dB)
Channel								
	Frequency [MHz]			1736	1736	16200		
40	P1d-BPSK	1	13,17	13,15	13,41			
40	P1d-BPSK	1	1068	10,40	10,33	10,45	14,0	0,0
40	P1d-BPSK	1	214	20,45	20,45	20,45		
40	P1d-BPSK	1068	0	13,47	13,43	13,45	14,0	0,0
40	P1d-BPSK	1068	54	13,44	13,47	13,35		
40	P1d-BPSK	1068	106	13,47	13,47	13,41	14,0	0,0
40	P1d-BPSK	214	0	13,46	13,42	13,45		
40	QPSK	1	1	13,53	13,53	13,55		
40	QPSK	1	106	13,46	13,48	13,39	14,0	0,0
40	QPSK	1	214	13,57	13,57	13,59		
40	QPSK	1068	0	13,45	13,53	13,39	14,0	0,0
40	QPSK	1068	54	13,51	13,55	13,53	14,0	0,0
40	QPSK	1068	106	13,47	13,47	13,41	14,0	0,0
40	QPSK	214	0	13,48	13,53	13,50		
40	25QAM	1	1	13,57	13,57	13,59	14,0	0,0
40	25QAM	1	106	13,38	13,51	13,40	14,0	0,0
40	25QAM	1	214	13,39	13,41	13,45	14,0	0,0
Channel								
	Frequency [MHz]			1736	1736	16200		
25	QPSK	1	12,44	12,44	13,46		Turn-up time	MPS
	Frequency [MHz]			36400	36400	36200	Turn-up time	MPS
25	QPSK	1	10,40	10,43	10,40		Turn-up time	MPS
	Frequency [MHz]			36400	36400	36400	Turn-up time	MPS
25	QPSK	1	17,02	17,05	17,05		Turn-up time	MPS
	Frequency [MHz]			17,12	17,12	16,15	Turn-up time	MPS
15	QPSK	1	13,42	13,42	13,44		Turn-up time	MPS
	Frequency [MHz]			17,15	17,15	17,15	Turn-up time	MPS
15	QPSK	1	13,46	13,44	13,35		Turn-up time	MPS
	Frequency [MHz]			36400	36400	36200	Turn-up time	MPS
5	QPSK	1	13,48	13,48	13,39		Turn-up time	MPS

n66 Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Middle [dBm]	Power High [dBm]	Turn-up time [dB/Hz]
Channel							
40	FSK	1	1	17.70	17.71	18.00	
40	FSK BPSK	1	1	19.12	19.13	19.50	
40	FSK BPSK	1	1068	19.37	19.38	19.80	21.5
40	FSK BPSK	1	216	19.67	19.68	19.87	
40	FSK BPSK	1068	1	19.30	19.37	19.78	21.5
40	FSK BPSK	1068	1068	19.38	19.37	19.87	21.5
40	FSK BPSK	216	1	19.87	19.83	19.83	21.5
40	FSK	1	1	19.65	19.65	19.82	
40	QPSK	1	1068	19.38	19.31	19.37	21.5
40	QPSK	1	216	19.38	19.34	19.37	
40	QPSK	1068	1	19.38	19.38	19.81	21.5
40	QPSK	1068	1068	19.33	19.35	19.31	
40	QPSK	216	1	19.30	19.32	19.29	21.5
40	QPSK	216	1	19.50	19.52	19.51	21.5
40	64QAM	1	1	19.36	19.37	19.71	21.5
40	64QAM	1	1	19.30	19.30	19.37	21.5
40	256QAM	1	1	19.27	19.35	19.27	260
Channel							
Frequency [MHz]							
40	FSK	1	1	17.72	17.74	17.71	
40	FSK	1	1	19.18	19.18	19.52	21.5
40	FSK	1	1	19.40	19.40	19.30	
25	Frequency [MHz]			19.19	19.33	19.38	21.5
25	FSK	1	1	19.40	19.40	19.40	
25	FSK	1	1	19.02	19.05	19.05	
20	QPSK	1	1	19.38	19.31	19.29	21.5
Channel							
Frequency [MHz]							
15	FSK	1	1	17.15	17.16	17.21	
15	FSK	1	1	19.31	19.38	19.32	21.5
15	FSK	1	1	19.50	19.50	19.50	
15	Frequency [MHz]			17.11	17.12	17.12	
15	FSK	1	1	19.18	19.18	19.38	21.5
15	FSK	1	1	19.50	19.50	19.50	
15	FSK	1	1	19.31	19.32	19.32	21.5



n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	693.5	713		
20	PI2 BPSK	1	1	24.43	24.60	24.65	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.40	24.40		
20	PI2 BPSK	1	104	24.31	24.31	24.47		
20	PI2 BPSK	50	0	23.79	24.00	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.00	23.88		
20	QPSK	1	1	24.40	24.60	24.60		
20	QPSK	1	53	24.48	24.63	24.68	26.0	0.0
20	QPSK	1	104	24.46	24.66	24.61	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45		
20	QPSK	50	28	24.48	24.54	24.39		
20	QPSK	50	56	23.42	23.60	23.40	25.0	1.0
20	QPSK	100	0	23.42	23.65	23.39	25.0	1.0
20	16QAM	1	1	23.38	23.52	23.38		
20	16QAM	1	1	21.74	21.85	21.79		
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				137700	139200	140700	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				676.5	690.5	696.5	(dBm)	(dB)
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0
Channel				137700	139200	140700	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				676	690.5	693	(dBm)	(dB)
10	PI2 BPSK	1	1	24.43	24.55	24.51	26.0	0.0
Channel				133100	136100	139100	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				663.5	693.5	714.5	(dBm)	(dB)
5	PI2 BPSK	1	1	23.34	24.54	24.51	26.0	0.0

n71_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	693.5	713		
20	PI2 BPSK	1	1	23.38	23.37	23.49	25.0	0.0
20	PI2 BPSK	1	53	23.39	23.60	23.52		
20	PI2 BPSK	1	104	23.41	23.50	23.51		
20	PI2 BPSK	50	0	23.42	23.56	23.51	26.0	0.0
20	PI2 BPSK	50	28	23.37	23.58	23.54	26.0	0.0
20	PI2 BPSK	50	56	23.41	23.37	23.55	24.0	0.0
20	PI2 BPSK	100	0	23.41	23.58	23.54	25.0	0.0
20	QPSK	1	1	23.50	23.65	23.60		
20	QPSK	1	53	23.45	23.57	23.55		
20	QPSK	1	104	23.34	23.49	23.48	25.0	0.0
20	QPSK	50	0	23.42	23.51	23.50		
20	QPSK	50	28	23.48	23.63	23.58		
20	QPSK	50	56	23.36	23.56	23.55	25.0	0.0
20	QPSK	100	0	23.42	23.65	23.39	25.0	0.0
20	16QAM	1	1	23.38	23.52	23.38		
20	16QAM	1	1	21.74	21.85	21.78		
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				137700	139200	140700	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				676.5	690.5	696.5	(dBm)	(dB)
15	PI2 BPSK	1	1	23.38	23.50	23.44	26.0	0.0
Channel				137700	139200	140700	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				676	690.5	693	(dBm)	(dB)
10	PI2 BPSK	1	1	23.36	23.59	23.48	25.0	0.0
Channel				133100	136100	139100	Time-up test (dBm)	MPR (dB)
Frequency (MHz)				663.5	693.5	714.5	(dBm)	(dB)
5	PI2 BPSK	1	1	23.42	24.54	24.57	26.0	0.0

n41_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				506202	518598	528000	2548.01	2592.99
Frequency (MHz)				2341	2353	2352		
100	PV2 BPSK	1	1	23.32	23.45	23.40	25.0	0.0
100	PV2 BPSK	1	137	23.32	23.45	23.40		
100	PV2 BPSK	1	271	23.29	23.37	23.36	25.0	0.0
100	PV2 BPSK	135	0	23.28	23.45	23.36		
100	PV2 BPSK	135	69	23.28	23.39	23.39	25.0	0.0
100	PV2 BPSK	135	138	23.28	23.46	23.43		
100	PV2 BPSK	270	0	23.35	23.46	23.45	25.0	0.0
100	QPSK	1	1	23.45	23.59	23.55		
100	QPSK	1	137	23.35	23.40	23.28	25.0	0.0
100	QPSK	1	271	23.46	23.53	23.41		
100	QPSK	135	0	23.22	23.38	23.32	25.0	0.0
100	QPSK	135	69	23.39	23.41	23.27		
100	QPSK	135	138	23.32	23.40	23.34	25.0	0.0
100	QPSK	270	0	23.01	23.13	23.04		
100	16QAM	1	1	23.48	23.53	23.39	25.0	0.0
100	64QAM	1	1	23.35	23.50	23.43		
100	256QAM	1	1	21.86	21.92	21.85	23.0	2.0
Channel				506200	518598	528998	2541	2592.99
Frequency (MHz)				2338	2340	2342		
90	QPSK	1	1	23.38	23.40	23.42	25.0	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	25.0	0.0
80	QPSK	1	1	23.38	23.54	23.46		
Channel				503101	5292.99	2655	25.0	0.0
Frequency (MHz)				2331.01	2592.99	2655		
70	QPSK	1	1	23.37	23.51	23.44	25.0	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2536	2592.99	2659.98	25.0	0.0
60	QPSK	1	1	23.30	23.51	23.42		
Channel				504204	518598	532998	25.0	0.0
Frequency (MHz)				2531.02	2592.99	2664.99		
50	QPSK	1	1	23.19	23.53	23.41	25.0	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	25.0	0.0
40	QPSK	1	1	23.32	23.52	23.43		
Channel				502203	518598	534998	25.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.30	23.51	23.44	25.0	0.0
Channel				501700	518598	535500		
Frequency (MHz)				2509.5	2592.99	2677.5	25.0	0.0
25	QPSK	1	1	23.35	23.43	23.47		
Channel				501204	518598	535998	25.0	0.0
Frequency (MHz)				2504.02	2592.99	2682.99		
20	QPSK	1	1	23.31	23.54	23.43	25.0	0.0
Channel				500700	518598	536498		
Frequency (MHz)				2503.5	2592.99	2682.48	25.0	0.0
15	QPSK	1	1	23.22	23.53	23.48		
Channel				500202	518598	537000	25.0	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.35	23.43	23.47	25.0	0.0

n41_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	2548.01	2592.99
Frequency (MHz)				2341	2353	2352		
100	PV2 BPSK	1	1	11.95	12.04	12.03	13.5	0.0
100	PV2 BPSK	1	137	11.95	12.05	11.98		
100	PV2 BPSK	1	271	12.05	12.03	12.06	13.5	0.0
100	PV2 BPSK	135	0	12.02	12.00	12.02		
100	PV2 BPSK	135	69	12.00	12.03	11.97	13.5	0.0
100	PV2 BPSK	135	138	11.95	12.07	11.98		
100	PV2 BPSK	270	0	12.05	12.11	12.07	13.5	0.0
100	QPSK	1	1	12.11	12.16	12.13		
100	QPSK	1	137	12.01	12.03	11.99	13.5	0.0
100	QPSK	1	271	12.06	12.08	12.06		
100	QPSK	135	0	12.05	12.01	11.98	13.5	0.0
100	QPSK	135	69	12.05	12.13	12.10		
100	QPSK	135	138	12.06	12.04	12.07	13.5	0.0
100	QPSK	270	0	12.05	12.10	12.08		
100	16QAM	1	1	12.02	12.09	12.05	13.5	0.0
100	64QAM	1	1	12.05	12.09	12.02		
100	256QAM	1	1	12.03	12.08	11.99	13.5	0.0
Channel				506200	518598	528998	2541	2592.99
Frequency (MHz)				2338	2340	2342		
90	QPSK	1	1	11.97	12.00	12.04	13.5	0.0
Channel				507204	518598	529998		
Frequency (MHz)				2536.02	2592.99	2649.99	13.5	0.0
80	QPSK	1	1	12.00	12.00	12.00		
Channel				503101	5292.99	2655	13.5	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	12.05	12.00	11.98	13.5	0.0
Channel				505200	518598	531998		
Frequency (MHz)				2536	2592.99	2659.98	13.5	0.0
60	QPSK	1	1	11.98	12.00	11.98		
Channel				504204	518598	532998	13.5	0.0
Frequency (MHz)				2531.02	2592.99	2664.99		
50	QPSK	1	1	12.02	12.08	12.01	13.5	0.0
Channel				503202	518598	534000		
Frequency (MHz)				2516.01	2592.99	2670	13.5	0.0
40	QPSK	1	1	11.95	12.01	12.06		
Channel				502203	518598	534998	13.5	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.04	12.03	12.05	13.5	0.0
Channel				501700	518598	535500		
Frequency (MHz)				2509.5	2592.99	2677.5	13.5	0.0
25	QPSK	1	1	11.99	12.02	12.02		
Channel				501204	518598	535998	13.5	0.0
Frequency (MHz)				2504.02	2592.99	2682.99		
20	QPSK	1	1	12.02	12.06	12.02	13.5	0.0
Channel				500700	518598	536498		
Frequency (MHz)				2503.5	2592.99	2682.48	13.5	0.0
15	QPSK	1	1	11.99	12.03	12.01		
Channel				500202	518598	537000	13.5	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	11.95	12.02	12.04	13.5	0.0

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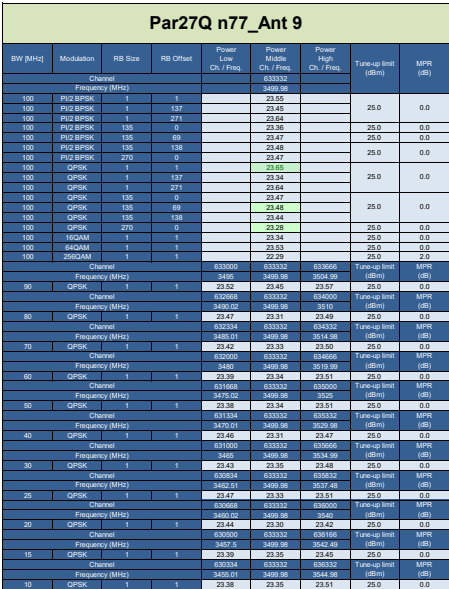
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 656000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	20.82	21.02	21.08		
100	P12 BPSK	1	137	20.78	21.07	21.03	22.0	0.0
100	P12 BPSK	1	271	20.74	21.02	20.99		
100	P12 BPSK	135	0	20.78	21.08	20.98	22.0	0.0
100	P12 BPSK	135	69	20.78	21.09	21.03	22.0	0.0
100	P12 BPSK	135	138	20.76	21.03	21.05		
100	P12 BPSK	270	0	20.80	21.04	21.08	22.0	0.0
100	QPSK	1	1	20.88	21.15	21.13		
100	QPSK	1	137	20.81	21.03	21.06	22.0	0.0
100	QPSK	1	271	20.75	20.99	21.09		
100	QPSK	135	0	20.80	21.06	21.00		
100	QPSK	135	69	20.85	21.15	21.11	22.0	0.0
100	QPSK	135	138	20.80	21.10	21.08		
100	QPSK	270	0	20.80	21.11	21.09	22.0	0.0
100	ISDAM	1	1	20.75	21.02	21.03	22.0	0.0
100	ISDAM	1	1	20.78	21.03	21.04	22.0	0.0
100	SSDAM	1	1	20.78	21.00	21.00	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.82	21.02	21.04	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.81	21.09	21.09	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.83	21.07	21.02	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.77	21.05	21.01	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.72	21.01	21.03	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.81	21.05	21.03	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.74	21.05	21.09	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.74	21.02	21.01	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.77	21.07	21.09	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.79	21.01	21.02	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.77	21.01	21.06	22.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633332	Power Middle Ch. / Freq. 633332	Power High Ch. / Freq. 639332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	20.83	20.58			
100	P12 BPSK	1	137	20.58			22.0	0.0
100	P12 BPSK	1	271	20.63				
100	P12 BPSK	135	0	20.57			22.0	0.0
100	P12 BPSK	135	69	20.62			22.0	0.0
100	P12 BPSK	135	138	20.52				
100	P12 BPSK	270	0	20.56			22.0	0.0
100	QPSK	1	1	20.58				
100	QPSK	1	137	20.56			22.0	0.0
100	QPSK	1	271	20.58				
100	QPSK	135	0	20.48				
100	QPSK	135	69	20.53			22.0	0.0
100	QPSK	135	138	20.50				
100	QPSK	270	0	20.52			22.0	0.0
100	ISDAM	1	1	20.50			22.0	0.0
100	ISDAM	1	1	20.53			22.0	0.0
100	SSDAM	1	1	20.54			22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.55	20.56	20.52	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.59	20.61	20.57	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.56	20.56	20.54	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.59	20.62	20.56	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.60	20.53	20.53	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.60	20.53	20.53	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.54	20.55	20.50	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.55	20.55	20.54	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.52	20.56	20.50	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.57	20.62	20.55	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.55	20.59	20.51	22.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 656000	Power Middle Ch. / Freq. 656000	Power High Ch. / Freq. 662000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	21.89	23.94	23.82		
100	P12 BPSK	1	137	23.77	23.84	23.73	25.0	0.0
100	P12 BPSK	1	271	23.85	23.83	23.77		
100	P12 BPSK	135	0	23.85	23.87	23.81	25.0	0.0
100	P12 BPSK	135	69	23.83	23.83	23.77	25.0	0.0
100	P12 BPSK	135	138	23.72	23.88	23.70		
100	P12 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.13	24.12		
100	QPSK	1	137	23.74	23.79	23.82	25.0	0.0
100	QPSK	1	271	23.84	23.88	23.88		
100	QPSK	135	0	23.70	23.84	23.82		
100	QPSK	135	69	23.85	23.85	23.83	25.0	0.0
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.66	23.82	23.80	25.0	0.0
100	ISDAM	1	1	23.80	23.85	23.80	25.0	0.0
100	ISDAM	1	1	23.70	23.86	23.73	25.0	0.0
100	SSDAM	1	1	23.65	22.77	22.70	25.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.71	24.07	24.02	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.75	24.08	24.05	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.70	24.01	23.96	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.70	23.87	23.83	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.81	23.88	24.03	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.74	24.02	24.07	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.70	24.06	24.01	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.75	23.99	24.00	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.77	24.03	24.09	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.76	24.02	24.05	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.72	24.06	24.02	25.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch Freq dBm/0.1MHz	Power Mid Ch Freq dBm/0.1MHz	Power High Ch Freq dBm/0.1MHz	Turn-up time (dBm)	MPR (dB)	
100	Channel								
	Frequency (MHz)			3770	3640	3760			
	100	QPSK	1	1	19.86	19.13	15.08		
	100	QPSK	1	271	19.92	19.12	15.01	17.0	
	100	QPSK	135	1	19.97	19.13	15.08		
	100	QPSK	135	66	19.96	19.06	15.08	17.0	
	100	QPSK	135	138	19.96	19.13	15.07		
	100	QPSK	270	0	19.93	19.12	15.07		
	100	QPSK	1	1	19.92	19.19	15.05		
	100	QPSK	1	271	19.91	19.11	15.09	17.0	
100	Channel								
	Frequency (MHz)			3770	3640	3760			
	100	QPSK	135	0	19.97	19.12	15.13		
	100	QPSK	135	138	19.98	19.05	15.13	17.0	
	100	QPSK	270	0	19.95	19.11	15.08		
	100	16QAM	1	1	19.96	19.07	16.00	17.0	
	100	16QAM	1	1	19.97	19.10	16.02	17.0	
	100	16QAM	1	1	19.93	19.08	16.01	17.0	
	100	16QAM	1	1	19.96	19.00	16.03	17.0	
	100	16QAM	1	1	19.94	19.04	16.01	17.0	
90	Channel								
	Frequency (MHz)			3640	36000	36332	Turn-up time (dBm)	MPR (dB)	
	90	QPSK	1	1	19.96	19.11	15.01	17.0	
	90	QPSK	1	1	19.93	19.02	15.00	17.0	
	90	QPSK	1	1	19.88	19.04	15.99	17.0	
	90	QPSK	1	1	19.93	19.04	15.99	17.0	
	90	QPSK	1	1	19.93	19.04	15.99	17.0	
	90	QPSK	1	1	19.93	19.04	15.99	17.0	
	90	QPSK	1	1	19.93	19.04	15.99	17.0	
	90	QPSK	1	1	19.93	19.04	15.99	17.0	
	90	QPSK	1	1	19.93	19.04	15.99	17.0	
70	Channel								
	Frequency (MHz)			3770	3640	3640	Turn-up time (dBm)	MPR (dB)	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
	70	QPSK	1	1	19.94	19.08	16.01	17.0	
60	Channel								
	Frequency (MHz)			3770	3640	3640	Turn-up time (dBm)	MPR (dB)	
	60	QPSK	1	1	19.94	19.08	16.01	17.0	
	60	QPSK	1	1	19.94	19.08	16.01	17.0	
	60	QPSK	1	1	19.94				

Par27Q n77_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Mid Ch./Freq.	Power High Ch./Freq.	Tuning-inst. (dBm)	MPE (dB)
100	Channel				3469.00			
	Frequency (MHz)				15.60			
	100	PQ2 BPSK	1	1	15.60		17.0	0.0
	100	PQ2 BPSK	1	137	15.58			
	100	PQ2 BPSK	135	5	15.63			
	100	PQ2 BPSK	135	69	15.63		17.0	0.0
100	Channel				3469.00			
	Frequency (MHz)				15.60			
	100	PQ2 BPSK	1	1	15.60		17.0	0.0
	100	PQ2 BPSK	1	137	15.58			
	100	PQ2 BPSK	135	5	15.63			
	100	PQ2 BPSK	135	69	15.62		17.0	0.0
100	Channel				3469.00			
	Frequency (MHz)				15.58			
	100	PQ2 BPSK	1	1	15.58		17.0	0.0
	100	PQ2 BPSK	1	271	15.61			
	100	PQ2 BPSK	135	6	15.65			
	100	PQ2 BPSK	135	136	15.62		17.0	0.0
100	Channel				3469.00			
	Frequency (MHz)				15.58			
	100	PQ2 BPSK	1	1	15.58		17.0	0.0
	100	16QAM	1	1	15.60		17.0	0.0
	100	16QAM	1	1	15.58			
	100	16QAM	1	1	15.58		17.0	0.0
90	Channel				630000	630332	630666	
	Frequency (MHz)				3469.00	3469.00	3469.00	
	90	PQ2 BPSK	1	1	15.51	15.59	15.57	Tuning-inst.
	90	PQ2 BPSK	1	1	15.51	15.59	15.57	Tuning-inst.
	90	PQ2 BPSK	1	1	15.51	15.59	15.57	Tuning-inst.
	90	PQ2 BPSK	1	1	15.50	15.60	15.49	Tuning-inst.
80	Channel				3469.00			
	Frequency (MHz)				15.60			
	80	PQ2 BPSK	1	1	15.60		15.49	Tuning-inst.
	80	PQ2 BPSK	1	1	15.60		15.49	Tuning-inst.
	80	PQ2 BPSK	1	1	15.60		15.49	Tuning-inst.
	80	PQ2 BPSK	1	1	15.60		15.49	Tuning-inst.
70	Channel				3469.00			
	Frequency (MHz)				15.60			
	70	PQ2 BPSK	1	1	15.58	15.60	15.49	Tuning-inst.
	70	PQ2 BPSK	1	1	15.58	15.60	15.49	Tuning-inst.
	70	PQ2 BPSK	1	1	15.58	15.60	15.49	Tuning-inst.
	70	PQ2 BPSK	1	1	15.58	15.60	15.49	Tuning-inst.
60	Channel				3469.00			
	Frequency (MHz)				15.60			
	60	PQ2 BPSK	1	1	15.60		15.39	Tuning-inst.
	60	PQ2 BPSK	1	1	15.60		15.39	Tuning-inst.
	60	PQ2 BPSK						

Par27O n77_Ant 10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				60000	66000	66000	
Frequency (MHz)				3790	3840	3930	
100	PI2 BPSK	1	1	23.0	23.34	23.82	
100	PI2 BPSK	1	137	23.77	23.84	23.73	25.0
100	PI2 BPSK	1	271	23.85	23.93	23.77	
100	PI2 BPSK	135	0	23.80	23.87	23.81	25.0
100	PI2 BPSK	135	69	23.83	23.93	23.77	25.0
100	PI2 BPSK	135	138	23.73	23.86	23.70	25.0
100	PI2 BPSK	270	0	23.70	23.80	23.80	25.0
100	QPSK	1	1	23.97	24.13	24.12	
100	QPSK	1	137	23.74	23.79	23.82	25.0
100	QPSK	1	271	23.84	23.95	23.89	
100	QPSK	135	0	23.70	23.84	23.82	
100	QPSK	135	69	23.83	23.85	23.83	25.0
100	QPSK	135	138	23.79	23.79	23.81	25.0
100	QPSK	270	0	23.66	23.68	23.80	25.0
100	ISDM	1	1	23.80	23.95	23.80	25.0
100	ISDM	1	1	23.70	23.98	23.73	25.0
100	SSBAM	1	1	23.83	23.77	23.70	25.0
Channel				64968	66000	66000	
Frequency (MHz)				3840	3840	3840	
90	QPSK	1	1	23.71	24.07	24.00	25.0
Channel				64934	66000	66000	
Frequency (MHz)				3840	3840	3840	
80	QPSK	1	1	23.75	24.08	24.05	25.0
Channel				64900	66000	66000	
Frequency (MHz)				3795	3840	3840	
70	QPSK	1	1	23.76	24.01	23.90	25.0
Channel				64866	66000	66000	
Frequency (MHz)				3790.03	3840	3840.98	
60	QPSK	1	1	23.76	23.97	23.99	25.0
Channel				64832	66000	66000	
Frequency (MHz)				3726.97	3840	3854.99	
50	QPSK	1	1	23.81	23.94	24.00	25.0
Channel				64800	66000	66000	
Frequency (MHz)				3722	3840.00	3840.00	
40	QPSK	1	1	23.74	24.02	24.07	25.0
Channel				64768	66000	66000	
Frequency (MHz)				3718.52	3840	3854.98	
30	QPSK	1	1	23.79	24.06	24.07	25.0
Channel				64734	66000	66000	
Frequency (MHz)				3712.2	3840	3840.00	
25	QPSK	1	1	23.76	23.90	24.00	25.0
Channel				64734	66000	66000	
Frequency (MHz)				3710.00	3840	3840.98	
20	QPSK	1	1	23.77	24.03	24.09	25.0
Channel				64700	66000	66000	
Frequency (MHz)				3707.58	3840.00	3842.48	
15	QPSK	1	1	23.78	24.02	23.96	25.0
Channel				64700	66000	66000	
Frequency (MHz)				3700	3840	3870	
10	QPSK	1	1	23.72	24.06	24.02	25.0

Par27Q n77_Ant 10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3499.98			
100	PI2 BPSK	1	1		23.52		
100	PI2 BPSK	1	137		23.45		25.0
100	PI2 BPSK	1	271		23.64		
100	PI2 BPSK	135	0		23.38		25.0
100	PI2 BPSK	135	69		23.47		25.0
100	PI2 BPSK	135	138		23.48		25.0
100	PI2 BPSK	270	0		23.47		25.0
100	QPSK	1	1		23.65		
100	QPSK	1	137		23.34		25.0
100	QPSK	1	271		23.64		
100	QPSK	135	0		23.47		
100	QPSK	135	69		23.48		25.0
100	QPSK	135	138		23.44		
100	QPSK	270	0		23.33		25.0
100	ISDM	1	1		23.54		25.0
100	ISDM	1	1		23.53		25.0
100	SSBAM	1	1		22.29		25.0
Channel				63300	63332	63666	
Frequency (MHz)				3499	3499.98	3500.98	
90	QPSK	1	1	23.52	23.45	23.57	25.0
Channel				63266	63332	63400	
Frequency (MHz)				3499.98	3499.98	3499.98	
80	QPSK	1	1	23.47	23.31	23.49	25.0
Channel				63234	63332	63432	
Frequency (MHz)				3495.91	3499.98	3504.98	
70	QPSK	1	1	23.42	23.33	23.50	25.0
Channel				63200	63332	63496	
Frequency (MHz)				3490	3499.98	3509.99	
60	QPSK	1	1	23.37	23.24	23.51	25.0
Channel				63166	63332	63500	
Frequency (MHz)				3476.92	3499.98	3505	
50	QPSK	1	1	23.37	23.34	23.51	25.0
Channel				63134	63332	63532	
Frequency (MHz)				3470.91	3499.98	3509.98	
40	QPSK	1	1	23.43	23.31	23.47	25.0
Channel				63100	63332	63566	
Frequency (MHz)				3465	3499.98	3509.98	
30	QPSK	1	1	23.43	23.35	23.49	25.0
Channel				63066	63332	63602	
Frequency (MHz)				3460.97	3499.98	3509.98	
25	QPSK	1	1	23.47	23.33	23.51	25.0
Channel				63036	63332	63630	
Frequency (MHz)				3460.98	3499.98	3509.98	
20	QPSK	1	1	23.44	23.39 <td>23.42</td> <td>25.0</td>	23.42	25.0
Channel				63000	63332	63666	
Frequency (MHz)				3457.5	3499.98	3504.98	
15	QPSK	1	1	23.39	23.35	23.45	25.0
Channel				63000	63332	63712	
Frequency (MHz)				3450.91	3499.98	3504.98	
10	QPSK	1	1	23.38	23.35	23.51	25.0



ENDC Mode State 10

Band 2_Ant 1													
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)					
Channel Frequency (MHz)													
20	QPSK	1	0	23.41	23.48	23.48	25	0					
20	QPSK	1	49	23.49	23.50	23.49							
20	QPSK	50	0	23.33	23.32	23.38							
20	QPSK	50	0	22.49	22.50	22.50							
20	QPSK	50	24	22.53	22.66	22.52	24	1					
20	QPSK	50	50	22.67	22.65	22.67							
20	QPSK	100	0	22.49	22.50	22.47							
20	16QAM	1	0	22.83	22.83	22.86	24	1					
20	16QAM	1	49	22.72	22.89	22.72							
20	16QAM	1	99	22.66	22.83	22.61							
20	16QAM	50	0	21.47	21.58	21.53							
20	16QAM	50	24	21.60	21.66	21.58							
20	16QAM	50	50	21.47	21.58	21.54	23	2					
20	16QAM	100	0	21.52	21.64	21.49							
20	64QAM	1	0	21.75	21.76	21.76							
20	64QAM	1	49	21.71	21.75	21.62	23	2					
20	64QAM	1	99	21.58	21.65	21.52							
20	64QAM	50	0	20.51	20.58	20.54							
20	64QAM	50	24	20.55	20.66	20.55							
20	64QAM	50	50	20.48	20.57	20.56	22	3					
20	64QAM	100	0	20.53	20.60	20.50							
20	256QAM	1	0	18.50	18.53	18.49							
20	256QAM	1	49	18.74	18.76	18.71	20	5					
20	256QAM	1	99	18.58	18.57	18.53							
20	256QAM	50	0	18.53	18.54	18.52							
20	256QAM	50	24	18.60	18.52	18.49	20	5					
20	256QAM	50	50	18.52	18.53	18.48							
20	256QAM	100	0	18.43	18.48	18.47							
Channel Frequency (MHz)													
15	QPSK	1	0	18.75	18.80	18.75	25	0					
15	QPSK	1	37	23.33	23.44	23.41							
15	QPSK	1	74	23.25	23.38	23.40							
15	QPSK	36	0	22.45	22.50	22.50							
15	QPSK	36	20	22.49	22.40	22.59	24	1					
15	QPSK	36	39	22.46	22.50	22.54							
15	QPSK	36	58	22.47	22.45	22.50							
15	16QAM	1	0	22.74	22.80	22.74							
15	16QAM	1	37	22.77	22.79	22.79	24	1					
15	16QAM	1	74	22.71	22.73	22.73							
15	16QAM	36	0	21.46	21.51	21.52							
15	16QAM	36	20	21.49	21.48	21.62	23	2					
15	16QAM	36	39	21.45	21.52	21.55							
15	16QAM	75	0	21.50	21.48	21.55							
15	64QAM	1	0	21.60	21.56	21.67							
15	64QAM	1	37	21.62	21.75	21.67	23	2					
15	64QAM	1	74	21.63	21.62	21.66							
15	64QAM	36	0	20.45	20.51	20.52							
15	64QAM	36	20	20.50	20.54	20.62	22	3					
15	64QAM	36	39	20.43	20.53	20.59							
15	64QAM	75	0	20.51	20.50	20.58							
15	256QAM	1	0	18.48	18.49	18.46							
15	256QAM	1	37	18.69	18.71	18.65	20	5					
15	256QAM	1	74	18.54	18.54	18.49							
15	256QAM	36	0	18.50	18.50	18.49							
15	256QAM	36	20	18.45	18.50	18.47	20	5					
15	256QAM	36	39	18.51	18.49	18.44							
15	256QAM	75	0	18.42	18.46	18.46							
Channel Frequency (MHz)													
10	QPSK	1	0	23.37	23.44	23.42	25	0					
10	QPSK	1	24	23.41	23.41	23.46							
10	QPSK	1	49	23.40	23.40	23.40							
10	QPSK	25	0	22.47	22.48	22.48							
10	QPSK	25	12	22.50	22.45	22.55	24	1					
10	QPSK	25	25	22.47	22.57	22.58							
10	QPSK	50	0	22.45	22.49	22.58							
10	16QAM	1	0	22.71	22.73	22.73	24	1					
10	16QAM	1	25	22.69	22.68	22.63							
10	16QAM	1	49	22.65	22.63	22.79							
10	16QAM	25	0	21.45	21.52	21.55							
10	16QAM	25	12	21.50	21.48	21.62	23	2					
10	16QAM	25	25	21.52	21.59	21.61							
10	64QAM	1	0	21.48	21.48	21.58							
10	64QAM	1	24	21.61	21.61	21.63	23	2					
10	64QAM	1	25	21.56	21.75	21.74							
10	64QAM	1	49	21.54	21.71	21.63							
10	64QAM	25	0	20.47	20.55	20.55	22	3					
10	64QAM	25	12	20.52	20.54	20.65							
10	64QAM	25	25	20.46	20.55	20.61							
10	64QAM	50	0	20.51	20.49	20.61							
10	256QAM	1	0	18.45	18.48	18.46							
10	256QAM	1	25	18.69	18.74	18.69	20	5					
10	256QAM	1	49	18.53	18.54	18.49							
10	256QAM	25	0	18.50	18.51	18.47							
10	256QAM	25	12	18.48	18.49	18.46	20	5					
10	256QAM	25	25	18.45	18.50	18.47							
10	256QAM	50	0	18.42	18.47	18.42							
Channel Frequency (MHz)													
5	QPSK	1	0	23.40	23.38	23.31	25	0					
5	QPSK	1	12	23.39	23.45	23.40							
5	QPSK	12	0	23.38	23.40	23.33							
5	QPSK	12	0	22.48	22.50	22.54							
5	QPSK	12	7	22.49	22.57	22.50	24	1					
5	QPSK	25	0	22.42	22.46	22.46							
5	QPSK	25	0	22.45	22.46	22.51							
5	16QAM	1	0	22.71	22.76	22.70	24	1					
5	16QAM	1	12	22.67	22.72	22.66							
5	16QAM	1	24	22.69	22.75	22.69							
5	16QAM	12	0	21.54	21.52	21.59							
5	16QAM	12	7	21.49	21.61	21.64	23	2					
5	16QAM	12	13	21.46	21.57	21.63							
5	16QAM	25	0										

Band 5_Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)			
Channel Frequency (MHz)											
10	QPSK	1	0	24.21	24.30	24.21	26	0			
10	QPSK	1	25	24.22	24.31	24.22					
10	QPSK	1	49	24.20	24.12	24.17	25	1			
10	QPSK	25	0	23.21	23.28	23.22					
10	QPSK	25	12	23.28	23.32	23.29	24	2			
10	QPSK	25	25	23.27	23.26	23.24					
10	QPSK	50	0	23.21	23.25	23.19	25	1			
10	16QAM	1	0	23.41	23.39	23.47					
10	16QAM	1	25	23.40	23.35	23.37	24	2			
10	16QAM	1	49	23.50	23.48	23.52					
10	16QAM	25	0	22.30	22.31	22.28	24	2			
10	16QAM	25	12	22.32	22.33	22.26					
10	16QAM	25	25	22.32	22.32	22.30	24	2			
10	16QAM	50	0	22.29	22.27	22.23					
10	64QAM	1	0	22.26	22.26	22.27	24	2			
10	64QAM	1	25	22.37	22.55	22.39					
10	64QAM	1	49	22.36	22.46	22.46	23	3			
10	64QAM	25	0	21.24	21.30	21.26					
10	64QAM	25	12	21.36	21.31	21.28	21	5			
10	64QAM	25	25	21.30	21.33	21.33					
10	64QAM	50	0	21.28	21.26	21.24	21	5			
10	256QAM	1	1	19.65	19.65	19.64					
10	256QAM	1	25	19.81	19.84	19.80	21	5			
10	256QAM	1	49	19.79	19.83	19.82					
10	256QAM	1	75	19.77	19.86	19.86	21	5			
10	256QAM	25	12	19.65	19.70	19.66					
10	256QAM	25	25	19.75	19.78	19.75	21	5			
10	256QAM	50	0	19.68	19.71	19.70					
Channel Frequency (MHz)											
5	QPSK	1	0	24.19	24.28	24.15	26	0			
5	QPSK	1	12	24.17	24.21	24.18					
5	QPSK	1	24	24.16	24.21	24.22	25	1			
5	QPSK	12	0	23.26	23.30	23.23					
5	QPSK	12	7	23.29	23.30	23.34	25	1			
5	QPSK	12	13	23.28	23.34	23.33					
5	QPSK	25	0	23.29	23.38	23.29	25	1			
5	16QAM	1	0	23.41	23.61	23.48					
5	16QAM	1	12	23.46	23.54	23.49	24	2			
5	16QAM	1	24	23.38	23.49	23.41					
5	16QAM	12	0	22.23	22.38	22.31	24	2			
5	16QAM	12	7	22.34	22.37	22.37					
5	16QAM	12	13	22.31	22.38	22.34	24	2			
5	16QAM	25	0	22.26	22.30	22.23					
5	64QAM	1	0	22.36	22.38	22.31	24	2			
5	64QAM	1	12	22.28	22.49	22.41					
5	64QAM	1	24	22.44	22.33	22.36	23	3			
5	64QAM	12	0	21.26	21.35	21.25					
5	64QAM	12	7	21.29	21.33	21.36	21	5			
5	64QAM	12	13	21.27	21.38	21.34					
5	64QAM	25	0	21.28	21.27	21.25	21	5			
5	256QAM	1	0	19.59	19.64	19.59					
5	256QAM	1	12	19.69	19.78	19.78	21	5			
5	256QAM	1	24	19.78	19.80	19.79					
5	256QAM	12	0	19.68	19.66	19.64	21	5			
5	256QAM	12	7	19.62	19.66	19.61					
5	256QAM	12	13	19.74	19.77	19.72	21	5			
5	256QAM	25	0	19.66	19.70	19.66					
Channel Frequency (MHz)											
3	QPSK	1	0	24.13	24.20	24.22	26	0			
3	QPSK	1	8	24.18	24.25	24.24					
3	QPSK	1	14	24.14	24.21	24.18	25	1			
3	QPSK	8	0	23.24	23.28	23.24					
3	QPSK	8	7	23.23	23.30	23.32	25	1			
3	QPSK	8	7	23.23	23.30	23.32					
3	QPSK	15	0	23.21	23.24	23.29	25	1			
3	16QAM	1	0	23.47	23.42	23.42					
3	16QAM	1	8	23.39	23.53	23.53	24	2			
3	16QAM	1	14	23.37	23.44	23.44					
3	16QAM	8	0	22.32	22.31	22.30	24	2			
3	16QAM	8	4	22.31	22.38	22.42					
3	16QAM	8	7	22.26	22.40	22.40	24	2			
3	16QAM	15	0	22.25	22.29	22.34					
3	64QAM	1	0	22.35	22.42	22.40	23	3			
3	64QAM	1	8	22.41	22.48	22.46					
3	64QAM	1	14	22.34	22.38	22.40	23	3			
3	64QAM	8	0	21.26	21.36	21.25					
3	64QAM	8	4	21.32	21.41	21.40	21	5			
3	64QAM	8	7	21.27	21.38	21.37					
3	64QAM	15	0	21.24	21.29	21.35	21	5			
3	256QAM	1	0	19.58	19.60	19.59					
3	256QAM	1	8	19.77	19.81	19.79	21	5			
3	256QAM	1	14	19.78	19.82	19.78					
3	256QAM	8	0	19.65	19.69	19.64	21	5			
3	256QAM	8	4	19.63	19.69	19.62					
3	256QAM	8	7	19.72	19.75	19.71	21	5			
3	256QAM	15	0	19.64	19.70	19.65					
Channel Frequency (MHz)											
1.4	QPSK	1	0	24.16	24.20	24.19	26	0			
1.4	QPSK	1	3	24.14	24.25	24.15					
1.4	QPSK	1	8	24.14	24.22	24.23	25	1			
1.4	QPSK	3	0	24.10	24.16	24.19					
1.4	QPSK	3	1	24.11	24.19	24.20	25	1			
1.4	QPSK	3	3	24.11	24.20	24.19					
1.4	QPSK	6	0	23.16	23.20	23.26	24	2			
1.4	16QAM	1	0	23.49	23.56	23.59					
1.4	16QAM	1	3	23.59	23.56	23.60	24	2			
1.4	16QAM	1	5	23.52	23.53	23.55					
1.4	16QAM	3	0	23.31	23.38	23.36	24	2			
1.4	16QAM	3	1	23.29	23.39	23.33					
1.4	16QAM	6	0	22.27	22.32	22.32	24	2			
1.4	64QAM	1	0	22.48	22.56	22.45					

Band 7_Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
20	QPSK	1	0	23.59	23.57	23.62	25	0
20	QPSK	1	48	23.66	23.84	23.73		
20	QPSK	1	96	23.63	23.80	23.72		
20	QPSK	50	0	22.68	22.71	22.72	24	1
20	QPSK	50	24	22.75	22.87	22.84		
20	QPSK	50	48	22.71	22.86	22.80		
20	QPSK	100	0	22.73	22.74	22.70	24	1
20	16QAM	1	0	22.88	22.87	23.00		
20	16QAM	1	48	22.89	23.15	23.05		
20	16QAM	1	96	22.91	23.05	23.05	23	2
20	16QAM	50	0	21.68	21.70	21.78		
20	16QAM	50	24	21.61	21.67	21.79		
20	16QAM	50	48	21.75	21.88	21.89	23	2
20	16QAM	100	0	21.73	21.78	21.80		
20	64QAM	1	0	21.75	21.76	21.74	23	2
20	64QAM	1	48	21.87	21.99	22.01		
20	64QAM	1	96	21.70	22.06	21.89		
20	64QAM	50	0	20.68	20.68	20.72	22	3
20	64QAM	50	24	20.77	20.87	20.77		
20	64QAM	50	48	20.74	20.85	20.85		
20	256QAM	100	0	20.72	20.71	20.75	20	5
20	256QAM	1	0	18.71	18.79	18.74		
20	256QAM	1	48	18.83	18.94	18.93		
20	256QAM	1	96	18.83	18.88	18.85	20	5
20	256QAM	50	0	18.77	18.79	18.75		
20	256QAM	50	24	18.77	18.79	18.75		
20	256QAM	50	48	18.83	18.84	18.80	20	5
20	256QAM	100	0	18.71	18.76	18.73		
20	256QAM	100	0	18.71	18.76	18.73		
Channel Frequency (MHz)								
15	QPSK	1	0	23.61	23.62	23.63	25	0
15	QPSK	1	37	23.59	23.66	23.66		
15	QPSK	1	74	23.57	23.64	23.73		
15	QPSK	36	0	22.63	22.66	22.67	24	1
15	QPSK	36	20	22.73	22.73	22.80		
15	QPSK	36	36	22.70	22.81	22.84		
15	QPSK	72	0	22.70	22.70	22.77	24	1
15	16QAM	1	0	22.94	22.96	22.83		
15	16QAM	1	37	22.91	22.96	22.95		
15	16QAM	1	74	22.81	22.99	23.00	23	2
15	16QAM	36	0	21.68	21.74	21.80		
15	16QAM	36	20	21.74	21.84	21.86		
15	16QAM	36	20	21.74	21.84	21.86	23	2
15	64QAM	1	0	21.74	21.76	21.81		
15	64QAM	1	37	21.75	21.91	21.99		
15	64QAM	1	74	21.80	21.98	21.98	22	3
15	64QAM	36	0	20.66	20.76	20.80		
15	64QAM	36	20	20.77	20.77	20.80		
15	64QAM	36	20	20.76	20.85	20.83	20	5
15	64QAM	75	0	20.75	20.76	20.86		
15	256QAM	1	0	18.70	18.74	18.71		
15	256QAM	1	37	18.91	18.93	18.98	20	5
15	256QAM	1	74	18.80	18.87	18.82		
15	256QAM	36	0	18.67	18.69	18.70		
15	256QAM	36	20	18.74	18.77	18.75	20	5
15	256QAM	36	36	18.80	18.82	18.78		
15	256QAM	75	0	18.66	18.74	18.71		
Channel Frequency (MHz)								
10	QPSK	1	0	23.56	23.68	23.72	25	0
10	QPSK	1	37	23.53	23.73	23.78		
10	QPSK	1	49	23.60	23.71	23.75		
10	QPSK	25	0	22.62	22.76	22.85	24	1
10	QPSK	25	12	22.77	22.85	22.86		
10	QPSK	25	25	22.73	22.84	22.86		
10	QPSK	50	0	22.69	22.72	22.81	24	1
10	16QAM	1	0	22.86	22.86	23.06		
10	16QAM	1	25	22.97	23.10	23.10		
10	16QAM	1	49	22.84	23.07	23.04	23	2
10	16QAM	25	0	21.68	21.76	21.84		
10	16QAM	25	12	21.79	21.82	21.90		
10	16QAM	25	25	21.74	21.84	21.87	23	2
10	16QAM	50	0	21.74	21.77	21.87		
10	64QAM	1	0	21.74	21.84	21.89		
10	64QAM	1	25	21.85	22.08	21.99	22	3
10	64QAM	1	49	21.89	21.89	22.05		
10	64QAM	25	0	20.68	20.76	20.86		
10	64QAM	25	12	20.80	20.84	20.90	20	5
10	64QAM	25	25	20.78	20.89	20.92		
10	64QAM	50	0	20.75	20.79	20.90		
10	256QAM	1	0	18.74	18.74	18.70	20	5
10	256QAM	1	25	18.90	18.93	18.91		
10	256QAM	1	49	18.75	18.84	18.83		
10	256QAM	25	0	18.70	18.69	18.68	20	5
10	256QAM	25	12	18.74	18.77	18.74		
10	256QAM	25	25	18.76	18.70	18.77		
10	256QAM	50	0	18.69	18.74	18.72	20	5
10	256QAM	50	0	18.69	18.74	18.72		
10	256QAM	50	0	18.67	18.75	18.68		
Channel Frequency (MHz)								
5	QPSK	1	0	23.61	23.71	23.75	25	0
5	QPSK	1	12	23.72	23.80	23.71		
5	QPSK	1	24	23.60	23.76	23.79		
5	QPSK	12	0	22.72	22.73	22.84	24	1
5	QPSK	12	7	22.78	22.85	22.93		
5	QPSK	12	13	22.76	22.86	22.88		
5	QPSK	25	0	22.72	22.73	22.84	24	1
5	16QAM	1	0	22.94	23.01	23.06		
5	16QAM	1	24	22.99	23.04	23.15		
5	16QAM	12	0	21.75	21.77	21.87	23	2
5	16QAM	12	7	21.82	21.88	21.93		
5	16QAM	12	13	21.83	21.89	21.94		
5	16QAM	25	0	21.76	21.77	21.89	23	2
5	64QAM	1	0	21.79	21.88	21.98		
5	64QAM	1	12	21.85	22.09	22.09		
5	64QAM	1	24	21.81	22.02	22.04	22	3
5	64QAM	12	0	20.76	20.78	20.94		
5	64QAM	12	7	20.83	20.88	21.00		
5	64QAM	12	13	20.81	20.93	20.95	20	5
5	64QAM	25	0	20.76	20.80	20.86		
5	256QAM	1	0	18.71	18.77	18.72		
5	256QAM	1	12	18.92	18.92	18.92	20	5
5	256QAM	1	24	18.81	18.83	18.82		
5	256QAM	12	0	18.70	18.70	18.68		
5	256QAM	12	7	18.73	18.77	18.70	20	5
5	256QAM	12	13	18.80	18.80	18.79		
5	256QAM	25	0	18.67	18.75	18.68		

Band 12_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
10	QPSK	1	0	24.34	24.34	24.32	26	0
10	QPSK	1	25	24.40	24.43	24.39		
10	QPSK	1	49	24.35	24.40	24.37		
10	QPSK	25	0	23.34	23.34	23.33	25	1
10	QPSK	25	12	23.43	23.48	23.42		
10	QPSK	25	25	23.42	23.45	23.33		
10	QPSK	50	0	23.39	23.45	23.33	25	1
10	16QAM	1	0	23.70	23.63	23.63		
10	16QAM	1	25	23.75	23.78	23.72		
10	16QAM	1	49	23.70	23.68	23.65	24	2
10	16QAM	25	0	22.36	22.39	22.37		
10	16QAM	25	12	22.42	22.52	22.37		
10	16QAM	25	25	22.48	22.48	22.42	24	2
10	16QAM	50	0	22.43	22.45	22.34		
10	64QAM	1	0	22.52	22.63	22.59	24	2
10	64QAM	1	25	22.60	22.58	22.69		
10	64QAM	1	49	22.56	22.58	22.61		
10	64QAM	25	0	21.35	21.38	21.33	23	3
10	64QAM	25	12	21.47	21.50	21.36		
10	64QAM	25	25	21.48	21.50	21.46		
10	256QAM	1</						

Band 30_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
10	QPSK	1	0	17.31			18	0		
10	QPSK	1	25	17.33						
10	QPSK	1	49	17.10						
10	QPSK	25	0	16.31			17	1		
10	QPSK	25	12	16.33						
10	QPSK	25	25	16.26						
10	QPSK	50	0	16.27			17	1		
10	16QAM	1	0	16.58						
10	16QAM	1	25	16.62						
10	16QAM	1	49	16.53			16	2		
10	16QAM	25	0	15.33						
10	16QAM	25	12	15.36						
10	16QAM	25	25	15.29			16	2		
10	16QAM	50	0	15.27						
10	64QAM	1	0	15.56			16	2		
10	64QAM	1	25	15.62						
10	64QAM	1	49	15.51						
10	64QAM	25	0	14.29			15	3		
10	64QAM	25	12	14.31						
10	64QAM	25	25	14.24						
10	64QAM	50	0	14.34			13	5		
10	256QAM	1	0	11.95						
10	256QAM	1	25	12.12						
10	256QAM	1	49	11.94			13	5		
10	256QAM	25	0	11.91						
10	256QAM	25	12	11.95						
10	256QAM	25	25	11.88			13	5		
10	256QAM	50	0	11.97						
Channel Frequency (MHz)										
				27695	27710	27736	Turn-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	17.23	17.31	17.29	18	0		
5	QPSK	1	12	17.24	17.30	17.30				
5	QPSK	1	24	17.25	17.26	17.24				
5	QPSK	12	0	16.26	16.29	16.36	17	1		
5	QPSK	12	7	16.39	16.31	16.40				
5	QPSK	12	13	16.30	16.19	16.29				
5	QPSK	25	0	16.28	16.26	16.31	17	1		
5	16QAM	1	0	16.50	16.61	16.51				
5	16QAM	1	12	16.57	16.58	16.50				
5	16QAM	1	24	16.48	16.48	16.53	17	1		
5	16QAM	12	0	15.31	15.34	15.42				
5	16QAM	12	7	15.43	15.34	15.34				
5	16QAM	12	13	15.34	15.30	15.33	16	2		
5	16QAM	25	0	15.38	15.29	15.33				
5	64QAM	1	0	15.43	15.45	15.53				
5	64QAM	1	12	15.54	15.47	15.54	16	2		
5	64QAM	1	24	15.38	15.45	15.37				
5	64QAM	12	0	14.32	14.36	14.31				
5	64QAM	12	7	14.42	14.31	14.40	15	3		
5	64QAM	12	13	14.33	14.26	14.35				
5	64QAM	25	0	14.33	14.27	14.33				
5	256QAM	1	0	11.94	11.98	12.00	13	5		
5	256QAM	1	12	12.01	12.01	11.98				
5	256QAM	1	24	12.06	11.94	11.85				
5	256QAM	12	0	11.90	11.97	11.97	13	5		
5	256QAM	12	7	12.04	11.95	11.99				
5	256QAM	12	13	11.97	11.87	12.07				
5	256QAM	25	0	11.98	11.96	12.00	13	5		

Band 30_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Turn-up limit (dbm)	MPR (db)		
Channel Frequency (MHz)										
10	QPSK	1	0	17.31			18	0		
10	QPSK	1	25	17.33						
10	QPSK	1	49	17.10						
10	QPSK	25	0	16.31			17	1		
10	QPSK	25	12	16.33						
10	QPSK	25	25	16.26						
10	QPSK	50	0	16.27			17	1		
10	16QAM	1	0	16.58						
10	16QAM	1	25	16.62						
10	16QAM	1	49	16.53			16	2		
10	16QAM	25	0	15.33						
10	16QAM	25	12	15.36						
10	16QAM	25	25	15.28			16	2		
10	16QAM	50	0	15.27						
10	64QAM	1	0	15.56			16	2		
10	64QAM	1	25	15.62						
10	64QAM	1	49	15.51						
10	64QAM	25	0	14.29			15	3		
10	64QAM	25	12	14.31						
10	64QAM	25	25	14.24						
10	64QAM	50	0	14.34			13	5		
10	256QAM	1	0	11.95						
10	256QAM	1	25	12.12						
10	256QAM	1	49	11.94			13	5		
10	256QAM	25	0	11.91						
10	256QAM	25	12	11.95						
10	256QAM	25	25	11.88			13	5		
10	256QAM	50	0	11.97						
Channel Frequency (MHz)										
5	QPSK	1	0	27.085	27.095	27.130	Turn-up limit (dbm)	MPR (db)		
5	QPSK	1	12	17.23	17.31	17.29	18	0		
5	QPSK	1	24	17.25	17.26	17.24				
5	QPSK	12	0	16.26	16.29	16.36				
5	QPSK	12	7	16.39	16.31	16.40	17	1		
5	QPSK	12	13	16.30	16.19	16.29				
5	QPSK	25	0	16.28	16.28	16.31				
5	16QAM	1	0	16.50	16.61	16.51	17	1		
5	16QAM	1	12	16.57	16.58	16.50				
5	16QAM	1	24	16.46	16.46	16.53				
5	16QAM	12	0	15.31	15.34	15.42	16	2		
5	16QAM	12	7	15.43	15.34	15.40				
5	16QAM	12	13	15.34	15.30	15.33				
5	16QAM	25	0	15.38	15.29	15.33	16	2		
5	64QAM	1	0	15.43	15.45	15.53				
5	64QAM	1	12	15.54	15.47	15.54				
5	64QAM	1	24	15.38	15.45	15.37	15	3		
5	64QAM	12	0	14.32	14.36	14.31				
5	64QAM	12	7	14.42	14.31	14.40				
5	64QAM	12	13	14.33	14.26	14.35	13	5		
5	64QAM	25	0	14.33	14.27	14.33				
5	256QAM	1	0	11.94	11.98	12.00				
5	256QAM	1	12	12.01	12.01	11.98	13	5		
5	256QAM	1	24	12.06	11.94	11.85				
5	256QAM	12	0	11.90	11.97	11.97				
5	256QAM	12	7	12.04	11.95	11.99	13	5		
5	256QAM	12	13	11.97	11.87	12.07				
5	256QAM	25	0	11.98	11.96	12.00				



n2_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frreq.	Power Middle Ch. / Frreq.	Power High Ch. / Frreq.	
Channel				375000	376000	380000	
Frequency (MHz)				1900			
20	PV2 BPSK	1	1	23.90	23.91	23.93	
20	PV2 BPSK	1	53	23.80	23.88	23.73	25.0
20	PV2 BPSK	1	104	23.70	23.80	23.77	
20	PV2 BPSK	50	0	23.20	23.31	23.23	24.5
20	PV2 BPSK	50	28	23.72	23.82	23.88	25.0
20	PV2 BPSK	50	58	23.17	23.28	23.13	24.5
20	PV2 BPSK	100	0	23.21	23.30	23.15	
20	QPSK	1	1	23.90	23.90	23.91	
20	QPSK	1	53	23.78	23.94	23.80	25.0
20	QPSK	1	104	23.80	23.96	23.91	
20	QPSK	50	0	23.80	23.88	23.83	24.0
20	QPSK	50	28	23.80	23.88	23.91	25.0
20	QPSK	50	58	23.60	23.72	23.68	
20	QPSK	100	0	23.60	23.68	22.90	
20	16QAM	1	1	22.77	22.92	22.83	
20	16QAM	1	1	21.48	21.58	21.48	22.5
20	256QAM	1	1	19.48	19.53	19.44	20.5
Channel				1900.0	1900.0	1900.0	Turn-up limit (dBm)
15	QPSK	1	1	19.80	19.81	19.85	25.0
Frequency (MHz)				1900			MPR (dB)
10	QPSK	1	1	19.80	19.80	19.85	Turn-up limit (dBm)
Channel				1900			MPR (dB)
10	QPSK	1	1	19.80	19.80	19.85	Turn-up limit (dBm)
Channel				1900.0	1900.0	1900.0	Turn-up limit (dBm)
5	QPSK	1	1	23.75	23.77	23.74	25.0

n2_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frreq.	Power Middle Ch. / Frreq.	Power High Ch. / Frreq.	
Channel				375000	376000	380000	
Frequency (MHz)				1900			
20	PV2 BPSK	1	1	22.00	22.03	21.98	
20	PV2 BPSK	1	53	21.91	21.92	21.91	23.0
20	PV2 BPSK	1	104	21.87	21.97	21.83	
20	PV2 BPSK	50	0	21.86	21.87	21.88	23.0
20	PV2 BPSK	50	28	21.88	22.00	21.83	23.0
20	PV2 BPSK	50	58	21.80	21.93	21.80	
20	PV2 BPSK	100	0	21.85	21.88	21.91	23.0
20	QPSK	1	1	22.01	22.02	22.01	
20	QPSK	1	53	21.91	21.97	21.88	23.0
20	QPSK	1	104	21.88	21.93	21.80	
20	QPSK	50	0	21.82	21.89	21.88	23.0
20	QPSK	50	28	22.00	22.03	21.88	23.0
20	QPSK	50	58	21.88	21.88	21.85	
20	QPSK	100	0	21.88	22.00	21.85	23.0
20	16QAM	1	1	21.82	21.94	21.78	
20	16QAM	1	1	21.48	21.58	21.48	22.5
20	256QAM	1	1	19.48	19.53	19.44	20.5
Channel				1900.0	1900.0	1900.0	Turn-up limit (dBm)
15	QPSK	1	1	19.82	19.84	19.79	25.0
Frequency (MHz)				1900.0			MPR (dB)
10	QPSK	1	1	19.80	19.80	19.85	Turn-up limit (dBm)
Channel				1900.0	1900.0	1900.0	Turn-up limit (dBm)
5	QPSK	1	1	21.02	21.06	21.04	23.0

n2_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frreq.	Power Middle Ch. / Frreq.	Power High Ch. / Frreq.	
Channel				375000	376000	380000	
Frequency (MHz)				1900			
20	PV2 BPSK	1	1	22.83	22.89	22.83	
20	PV2 BPSK	1	53	22.87	22.83	22.89	24.5
20	PV2 BPSK	1	104	22.79	22.74	22.73	
20	PV2 BPSK	50	0	22.28	22.28	22.25	24.0
20	PV2 BPSK	50	28	22.70	22.84	22.75	24.5
20	PV2 BPSK	50	58	22.27	22.33	22.15	
20	PV2 BPSK	100	0	22.17	22.31	22.20	24.0
20	QPSK	1	1	22.80	22.85	22.86	
20	QPSK	1	53	22.73	22.88	22.75	24.5
20	QPSK	1	104	22.87	22.83	22.74	
20	QPSK	50	0	21.87	21.75	21.80	23.5
20	QPSK	50	28	22.78	22.85	22.79	24.5
20	QPSK	50	58	21.63	21.67	21.63	
20	QPSK	100	0	21.74	21.83	21.76	23.5
20	16QAM	1	1	21.68	21.81	21.72	23.5
20	16QAM	1	1	20.17	20.32	20.18	22.0
20	256QAM	1	1	18.28	18.33	18.22	20.0
Channel				1900.0	1900.0	1900.0	Turn-up limit (dBm)
15	QPSK	1	1	22.80	22.83	22.77	24.5
Frequency (MHz)				1900.0			MPR (dB)
10	QPSK	1	1	21.74	21.87	21.75	24.5
Channel				1900.0	1900.0	1900.0	Turn-up limit (dBm)
5	QPSK	1	1	23.75	23.89	23.75	24.5



n5_Ant 0							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)
Channel				166600	167300	167900	MPR (dB)
Frequency (MHz)							
20	P12 BPSK	1	1	24.53	24.63	24.58	26.0
20	P12 BPSK	1	53	24.40	24.47	24.45	26.0
20	P12 BPSK	1	104	24.27	24.27	24.51	26.0
20	P12 BPSK	50	0	23.98	24.08	23.92	25.5
20	P12 BPSK	50	28	24.47	24.58	24.52	26.0
20	P12 BPSK	50	56	23.92	24.05	23.95	25.5
20	P12 BPSK	100	0	23.88	23.98	23.94	25.5
20	QPSK	1	1	24.50	24.60	24.62	26.0
20	QPSK	1	53	24.50	24.63	24.58	26.0
20	QPSK	1	104	24.50	24.63	24.51	26.0
20	QPSK	50	0	23.92	23.77	23.85	25.0
20	QPSK	50	28	24.55	24.62	24.52	26.0
20	QPSK	50	56	23.70	23.78	23.67	25.0
20	QPSK	100	0	23.86	23.73	23.58	25.0
20	16QAM	1	1	23.92	23.88	23.98	25.0
20	16QAM	1	1	22.18	22.28	22.15	23.5
20	256QAM	1	1	20.14	20.23	20.11	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	24.47	24.52	24.48	26.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	24.43	24.49	24.45	26.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	24.45	24.50	24.47	26.0

n5_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)
Channel				166600	167300	167900	MPR (dB)
Frequency (MHz)							
20	P12 BPSK	1	1	24.53	24.63	24.58	26.0
20	P12 BPSK	1	53	24.40	24.47	24.45	26.0
20	P12 BPSK	1	104	24.27	24.27	24.51	26.0
20	P12 BPSK	50	0	23.98	24.08	23.92	25.5
20	P12 BPSK	50	28	24.47	24.58	24.52	26.0
20	P12 BPSK	50	56	23.92	24.05	23.95	25.5
20	P12 BPSK	100	0	23.88	23.98	23.94	25.5
20	QPSK	1	1	24.50	24.60	24.62	26.0
20	QPSK	1	53	24.50	24.63	24.58	26.0
20	QPSK	1	104	24.50	24.63	24.51	26.0
20	QPSK	50	0	23.92	23.77	23.85	25.0
20	QPSK	50	28	24.55	24.62	24.52	26.0
20	QPSK	50	56	23.70	23.78	23.67	25.0
20	QPSK	100	0	23.86	23.73	23.58	25.0
20	16QAM	1	1	23.92	23.88	23.98	25.0
20	16QAM	1	1	22.18	22.28	22.15	23.5
20	256QAM	1	1	20.14	20.23	20.11	21.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	24.47	24.52	24.48	26.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	24.43	24.49	24.45	26.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	24.45	24.50	24.47	26.0

n7_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)
Channel				560000	567000	570000	MPR (dB)
Frequency (MHz)							
40	P12 BPSK	1	1	23.78	23.88	23.88	26.0
40	P12 BPSK	1	108	23.70	23.82	23.88	26.0
40	P12 BPSK	1	214	23.74	23.85	23.75	26.0
40	P12 BPSK	108	0	23.27	23.32	23.19	24.5
40	P12 BPSK	108	54	23.72	23.80	23.71	25.0
40	P12 BPSK	108	108	23.15	23.20	23.18	24.5
40	P12 BPSK	216	0	23.19	23.33	23.18	24.5
40	QPSK	1	1	23.80	23.92	23.90	26.0
40	QPSK	1	108	23.74	23.83	23.78	26.0
40	QPSK	1	214	23.68	23.80	23.68	26.0
40	QPSK	108	0	22.99	23.05	22.98	24.0
40	QPSK	108	54	23.71	23.83	23.68	25.0
40	QPSK	108	108	23.65	23.15	23.06	24.0
40	QPSK	216	0	22.90	23.03	22.88	24.0
40	16QAM	1	1	22.98	23.01	22.93	24.0
40	16QAM	1	1	21.41	21.58	21.44	23.5
40	256QAM	1	1	19.45	19.57	19.44	20.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.73	23.87	23.78	25.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.72	23.76	23.80	23.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.65	23.86	23.81	25.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.65	23.84	23.84	25.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.64	23.85	23.78	25.0
Channel							
Frequency (MHz)							
5	QPSK	1	1	23.70	23.78	23.79	25.0



n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				507000	507000	510000			
40	P12 BPSK	1	1	22.73	22.83	22.85	24.0	0.0	
40	P12 BPSK	1	108	22.83	22.82	22.74			
40	P12 BPSK	1	214	22.75	22.82	22.69			
40	P12 BPSK	108	0	22.82	22.85	22.75	24.0	0.0	
40	P12 BPSK	108	54	22.75	22.80	22.82	24.0	0.0	
40	P12 BPSK	108	108	22.80	22.75	22.71	24.0	0.0	
40	P12 BPSK	216	0	22.72	22.88	22.78	24.0	0.0	
40	QPSK	1	1	22.82	22.85	22.89			
40	QPSK	1	108	22.71	22.82	22.77			
40	QPSK	1	214	22.88	22.87	22.84	24.0	0.0	
40	QPSK	108	0	22.82	22.82	22.78			
40	QPSK	108	54	22.77	22.83	22.83			
40	QPSK	108	108	22.88	22.79	22.87	24.0	0.0	
40	QPSK	216	0	22.78	22.80	22.80	24.0	0.0	
40	16QAM	1	1	22.75	22.88	22.73	24.0	0.0	
40	16QAM	1	1	21.41	21.58	21.44	22.5	1.5	
40	256QAM	1	1	19.45	19.57	19.44	20.5	3.5	
Channel									
Frequency (MHz)				2610	2630	2655			
30	QPSK	1	1	22.84	22.80	22.79	24.0	0.0	
Channel									
Frequency (MHz)				507000	507000	511000			
20	QPSK	1	1	22.70	22.70	22.81	24.0	0.0	
Channel									
Frequency (MHz)				507000	508000	510000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	22.85	22.85	22.79	24.0	0.0	
Channel									
Frequency (MHz)				507000	508000	512000	Tune-up limit (dBm)	MPR	
20	QPSK	1	1	22.85	22.85	22.79	24.0	0.0	
Channel									
Frequency (MHz)				509000	509000	510000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.71	22.81	22.80	24.0	0.0	
Channel									
Frequency (MHz)				509000	509000	510000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	22.71	22.85	22.78	24.0	0.0	
Channel									
Frequency (MHz)				2660.0	2670.0	2667.0	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	22.75	22.88	22.78	24.0	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				14100	14100	14100			
10	P12 BPSK	1	1	24.14	24.14	24.20	26.0	0.0	
10	P12 BPSK	1	40	24.33	24.41	24.40			
10	P12 BPSK	1	77	24.38	24.47	24.45			
10	P12 BPSK	36	0	23.88	23.91	23.90	25.5	0.5	
10	P12 BPSK	36	22	24.42	24.43	24.40	25.0	0.0	
10	P12 BPSK	36	40	23.91	23.93	23.88	25.5	0.5	
10	P12 BPSK	75	0	23.84	23.93	23.90	26.0	0.0	
10	QPSK	1	1	24.20	24.28	24.23			
10	QPSK	1	40	24.42	24.53	24.44			
10	QPSK	1	77	24.38	24.50	24.34	25.0	1.0	
10	QPSK	36	0	23.48	23.53	23.37			
10	QPSK	36	22	24.47	24.52	24.38			
10	QPSK	36	40	23.48	23.48	23.40	25.0	1.0	
10	QPSK	75	0	23.50	23.58	23.53	25.0	1.0	
10	16QAM	1	1	23.42	23.55	23.46	25.0	1.0	
10	16QAM	1	1	22.02	22.19	21.97	23.5	2.5	
10	256QAM	1	1	19.06	20.04	19.94	21.5	4.5	
Channel									
Frequency (MHz)				14200	14190	14220	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	24.42	24.44	24.45	26.0	0.0	
Channel									
Frequency (MHz)				14300	14190	14230	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	24.45	24.40	24.38	25.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Middle Ch. F (MHz)	Power High Ch. F (MHz)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				141000	141000	141000			
10	P12 BPSK	1	1	24.15	24.15	24.15	26.0	0.0	
10	P12 BPSK	1	40	24.33	24.41	24.40			
10	P12 BPSK	1	77	24.38	24.47	24.45			
10	P12 BPSK	36	0	23.88	23.91	23.90	25.5	0.5	
10	P12 BPSK	36	22	24.42	24.43	24.40	25.0	0.0	
10	P12 BPSK	36	40	23.91	23.93	23.88	25.5	0.5	
10	P12 BPSK	75	0	23.84	23.93	23.90	26.0	0.0	
10	QPSK	1	1	24.50	24.55	24.52			
10	QPSK	1	40	24.42	24.53	24.44			
10	QPSK	1	77	24.38	24.50	24.34	25.0	1.0	
10	QPSK	36	0	23.48	23.53	23.37			
10	QPSK	36	22	24.47	24.52	24.38			
10	QPSK	36	40	23.48	23.55	23.40	25.0	1.0	
10	QPSK	75	0	23.50	23.58	23.53	25.0	1.0	
10	16QAM	1	1	23.42	23.55	23.46	25.0	1.0	
10	16QAM	1	1	22.02	22.19	21.97	23.5	2.5	
10	256QAM	1	1	19.06	20.04	19.94	21.5	4.5	
Channel									
Frequency (MHz)				140800	141000	142200	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	24.42	24.44	24.45	26.0	0.0	
Channel									
Frequency (MHz)				140800	141000	142100	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	24.45	24.45	24.35	25.0	0.0	



n25_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency [MHz]				376000	376000	376000		
40	P12 BPSK	1	1	24.50	24.43	24.41		
40	P12 BPSK	1	108	24.27	24.38	24.32	25.0	0.0
40	P12 BPSK	1	214	24.56	24.42	24.52	25.0	0.0
40	P12 BPSK	108	0	23.87	23.95	23.86	24.5	0.5
40	P12 BPSK	108	54	24.25	24.40	24.33	25.0	0.0
40	P12 BPSK	108	108	23.85	23.92	23.83	24.5	0.5
40	P12 BPSK	216	0	23.83	23.93	23.81	24.5	0.5
40	QPSK	1	1	24.40	24.50	24.46		
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0
40	QPSK	1	214	24.56	24.45	24.29		
40	QPSK	108	0	23.75	23.93	23.85	24.0	1.0
40	QPSK	108	54	24.33	24.45	24.34	25.0	0.0
40	QPSK	108	108	23.92	23.94	23.92	24.0	1.0
40	QPSK	216	0	23.91	23.98	23.92	24.0	1.0
40	16QAM	1	1	23.28	23.31	23.28	24.0	1.0
40	16QAM	1	1	21.88	21.92	21.72	22.5	2.5
40	256QAM	1	1	19.89	19.78	19.67	20.5	4.5
Channel								
Frequency [MHz]				1865	1862.5	1900		
30	QPSK	1	1	24.94	24.97	24.98	25.0	0.0
Channel								
Frequency [MHz]				375000	376000	380000		
20	QPSK	1	1	24.96	24.96	24.95	25.0	0.0
Channel								
Frequency [MHz]				376000	376000	381000		
20	QPSK	1	1	24.38	24.47	24.38	25.0	0.0
Channel								
Frequency [MHz]				375000	376000	381500		
16	QPSK	1	1	24.34	24.39	24.37	25.0	0.0
Channel								
Frequency [MHz]				1862.5	1862.5	1912.5		
5	QPSK	1	1	24.29	24.40	24.38	25.0	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency [MHz]				374000	376000	376000	Tune-up limit (dBm)	MPR (dB)
40	P12 BPSK	1	1	22.43	22.53	22.45		
40	P12 BPSK	1	108	22.32	22.40	22.35	23.0	0.0
40	P12 BPSK	1	214	22.34	22.44	22.34		
40	P12 BPSK	108	0	22.36	22.34	22.28	23.0	0.0
40	P12 BPSK	108	54	22.41	22.50	22.43	23.0	0.0
40	P12 BPSK	108	108	22.38	22.44	22.31	23.0	0.0
40	P12 BPSK	216	0	22.38	22.48	22.40	23.0	0.0
40	QPSK	1	1	22.45	22.55	22.48		
40	QPSK	1	108	22.32	22.39	22.32	23.0	0.0
40	QPSK	1	214	22.36	22.45	22.34		
40	QPSK	108	0	22.36	22.39	22.33	23.0	0.0
40	QPSK	108	54	22.42	22.53	22.45	23.0	0.0
40	QPSK	108	108	22.38	22.37	22.37	23.0	0.0
40	QPSK	216	0	22.40	22.50	22.43	23.0	0.0
40	16QAM	1	1	22.32	22.39	22.32	23.0	0.0
40	16QAM	1	1	21.86	21.92	21.72	22.5	2.5
40	256QAM	1	1	19.89	19.78	19.67	20.5	2.5
Channel								
Frequency [MHz]				1865	1862.5	1900		
30	QPSK	1	1	22.57	22.44	22.42	23.0	0.0
Channel								
Frequency [MHz]				1862.5	1862.5	1902.5		
20	QPSK	1	1	22.39	22.49	22.41	23.0	0.0
Channel								
Frequency [MHz]				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.38	22.44	22.33	23.0	0.0
Channel								
Frequency [MHz]				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	22.59	22.47	22.33	23.0	0.0
Channel								
Frequency [MHz]				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	22.40	22.30	22.39	23.0	0.0
Channel								
Frequency [MHz]				1862.5	1862.5	1912.5		
5	QPSK	1	1	22.31	22.44	22.32	23.0	0.0

n25_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency [MHz]				374000	376000	376000	Tune-up limit (dBm)	MPR (dB)
40	P12 BPSK	1	1	22.43	22.50	22.45	23.0	0.0
40	P12 BPSK	1	108	22.76	22.83	22.81	24.5	0.0
40	P12 BPSK	1	214	22.80	22.93	22.82	24.5	1.0
40	P12 BPSK	108	0	22.29	22.34	22.42	24.0	0.5
40	P12 BPSK	108	54	22.82	22.91	22.82	24.5	0.0
40	P12 BPSK	108	108	22.82	22.91	22.82	24.5	0.0
40	P12 BPSK	216	0	22.27	22.43	22.35	24.0	0.5
40	QPSK	1	1	22.95	23.03	22.95	24.5	0.0
40	QPSK	1	108	22.79	22.88	22.73	24.5	0.0
40	QPSK	1	214	22.80	22.93	22.82	24.5	1.0
40	QPSK	108	0	21.88	21.81	21.78	23.5	1.0
40	QPSK	108	54	22.79	22.85	22.74	24.5	0.0
40	QPSK	108	108	21.63	21.73	21.67	23.0	1.0
40	QPSK	216	0	21.68	21.83	21.76	23.0	1.0
40	16QAM	1	1	21.71	21.81	21.75	23.5	1.0
40	16QAM	1	1	20.21	20.36	20.25	22.0	2.5
40	256QAM	1	1	18.24	18.33	18.20	20.0	4.5
Channel								
Frequency [MHz]				1865	1862.5	1900		
30	QPSK	1	1	22.86	22.91	22.88	24.5	0.0
Channel								
Frequency [MHz]				375000	376000	380000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	22.84	22.97	22.90	23.5	0.0
Channel								
Frequency [MHz]				372000	376000	381000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	1867.5	1863.5	1865	24.0	0.0
20	QPSK	1	1	22.87	22.94	22.90	24.5	0.0
Channel								
Frequency [MHz]				1867.5	1868.5	1907.5	Tune-up limit (dBm)	MPR
16	QPSK	1	1	22.80	22.90	22.88	24.0	0.0
Channel								
Frequency [MHz]				375000	376000	380000	Tune-up limit (dBm)	MPR
16	QPSK	1	1	22.81	22.89	22.91	24.5	0.0
Channel								
Frequency [MHz]				1862.5	1862.5	1912.5		
5	QPSK	1	1	22.82	22.90	22.91	24.5	0.0



n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	23.0			
10	P1/2 BPSK	1	26	16.73			
10	P1/2 BPSK	1	26	16.67		18.0	0.0
10	P1/2 BPSK	1	50	16.69			
10	P1/2 BPSK	25	0	16.67		18.0	0.0
10	P1/2 BPSK	25	14	16.67		18.0	0.0
10	P1/2 BPSK	25	27	16.65			
10	P1/2 BPSK	50	0	16.68		18.0	0.0
10	QPSK	1	1	16.72		18.0	0.0
10	QPSK	1	26	16.71			
10	QPSK	1	50	16.72			
10	QPSK	25	0	16.72		18.0	0.0
10	QPSK	25	14	16.72		18.0	0.0
10	QPSK	25	27	16.72		18.0	0.0
10	QPSK	50	0	16.71			
10	16QAM	1	1	16.64		18.0	0.0
10	16QAM	1	1	16.65		18.0	0.0
10	256QAM	1	1	16.67		18.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	MPR [dB]
				16.54	16.68	16.60	0.0

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	23.0			
10	P1/2 BPSK	1	26	16.67			
10	P1/2 BPSK	1	50	16.69		18.0	0.0
10	P1/2 BPSK	25	0	16.67		18.0	0.0
10	P1/2 BPSK	25	14	16.67		18.0	0.0
10	P1/2 BPSK	25	27	16.68			
10	P1/2 BPSK	50	0	16.68		18.0	0.0
10	QPSK	1	1	16.72		18.0	0.0
10	QPSK	1	26	16.71			
10	QPSK	1	50	16.72			
10	QPSK	25	0	16.72		18.0	0.0
10	QPSK	25	14	16.72		18.0	0.0
10	QPSK	25	27	16.72		18.0	0.0
10	QPSK	50	0	16.71			
10	16QAM	1	1	16.64		18.0	0.0
10	16QAM	1	1	16.65		18.0	0.0
10	256QAM	1	1	16.67		18.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	MPR [dB]
				16.54	16.68	16.60	0.0

n30_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	22.78			
10	P1/2 BPSK	1	26	22.88			
10	P1/2 BPSK	1	50	22.72		24.5	0.0
10	P1/2 BPSK	25	0	22.21		24.0	0.5
10	P1/2 BPSK	25	14	22.48		24.5	0.0
10	P1/2 BPSK	25	27	22.18			
10	P1/2 BPSK	50	0	22.20		24.0	0.5
10	QPSK	1	1	22.82		24.5	0.0
10	QPSK	1	26	22.73			
10	QPSK	1	50	22.72			
10	QPSK	25	0	22.88		23.5	1.0
10	QPSK	25	14	22.88		24.5	0.0
10	QPSK	25	27	21.52			
10	QPSK	50	0	21.62		23.5	1.0
10	16QAM	1	1	21.58		23.5	1.0
10	16QAM	1	1	20.11		20.0	2.5
10	256QAM	1	1	18.13		20.0	4.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	22.73	22.78	22.85	MPR [dB]
						24.5	0.0



n66_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	1725	1745	1765	
40	P12 BPSK	1	108	24.42	24.52	24.62	25.0
40	P12 BPSK	1	214	24.26	24.40	24.54	
40	P12 BPSK	1	214	24.30	24.43	24.54	
40	P12 BPSK	108	0	23.87	23.98	23.84	24.5
40	P12 BPSK	108	54	24.33	24.45	24.39	25.0
40	P12 BPSK	108	108	23.85	23.93	23.81	24.5
40	P12 BPSK	216	0	23.88	23.95	23.83	24.5
40	QPSK	1	1	24.45	24.53	24.48	
40	QPSK	1	108	24.31	24.45	24.35	25.0
40	QPSK	1	214	24.31	24.43	24.33	
40	QPSK	108	0	23.32	23.43	23.38	24.0
40	QPSK	108	54	24.31	24.36	24.25	25.0
40	QPSK	108	108	23.28	23.32	23.27	24.0
40	QPSK	216	0	23.12	23.28	23.19	24.0
40	16QAM	1	1	23.25	23.33	23.28	24.0
40	16QAM	1	1	23.86	23.89	23.77	22.5
40	256QAM	1	1	19.81	19.88	19.82	20.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	1725	1745	1765	25.0
30	QPSK	1	1	24.37	24.38	24.37	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1722.5	1745	1737.5	25.0
20	QPSK	1	1	24.29	24.47	24.41	25.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1725	1745	1737.5	25.0
20	QPSK	1	1	24.29	24.45	24.34	25.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	1725	1745	1737.5	25.0
10	QPSK	1	1	24.29	24.43	24.33	25.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	1725	1745	1737.5	25.0
10	QPSK	1	1	24.29	24.48	24.40	25.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	1712.5	1745	1727.5	25.0
5	QPSK	1	1	24.34	24.48	24.34	25.0

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	1725	1745	1765	
40	P12 BPSK	1	108	21.95	22.02	22.05	22.5
40	P12 BPSK	1	214	21.79	21.84	21.81	
40	P12 BPSK	108	0	21.79	21.88	21.82	22.0
40	P12 BPSK	108	54	21.93	22.00	21.98	22.5
40	P12 BPSK	108	108	21.77	21.88	21.83	22.5
40	P12 BPSK	216	0	21.90	21.98	21.95	22.5
40	QPSK	1	1	21.98	22.05	22.01	
40	QPSK	1	108	21.86	21.99	21.92	22.5
40	QPSK	1	214	21.85	21.89	21.86	
40	QPSK	108	0	21.84	21.95	21.92	22.5
40	QPSK	108	54	21.95	22.03	21.99	22.5
40	QPSK	108	108	21.84	21.93	21.83	22.5
40	QPSK	216	0	21.93	22.04	21.95	22.5
40	16QAM	1	1	21.82	21.85	21.85	22.5
40	16QAM	1	1	21.99	21.99	21.92	22.5
40	256QAM	1	1	19.81	19.88	19.82	20.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	1725	1745	1765	22.5
30	QPSK	1	1	21.92	21.93	21.89	22.5
Channel							
Frequency [MHz]							
20	QPSK	1	1	1722.5	1745	1737.5	22.5
20	QPSK	1	1	21.90	21.99	21.91	22.5
Channel							
Frequency [MHz]							
20	QPSK	1	1	1725	1745	1737.5	22.5
20	QPSK	1	1	21.92	21.91	21.96	22.5
Channel							
Frequency [MHz]							
10	QPSK	1	1	1725	1745	1737.5	22.5
10	QPSK	1	1	21.90	22.00	21.93	22.5
Channel							
Frequency [MHz]							
10	QPSK	1	1	1725	1745	1737.5	22.5
10	QPSK	1	1	21.91	21.89	21.88	22.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	1712.5	1745	1727.5	22.5
5	QPSK	1	1	21.93	21.93	21.95	22.5

n66_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	1725	1745	1765	
40	P12 BPSK	1	108	22.79	22.82	22.79	24.5
40	P12 BPSK	1	214	22.82	22.83	22.73	
40	P12 BPSK	108	0	22.19	22.32	22.17	24.0
40	P12 BPSK	108	54	22.78	22.83	22.76	24.5
40	P12 BPSK	108	108	22.25	22.35	22.30	24.0
40	P12 BPSK	216	0	22.16	22.30	22.14	24.0
40	QPSK	1	1	22.92	22.95	22.98	
40	QPSK	1	108	22.82	22.88	22.83	24.5
40	QPSK	1	214	22.84	22.82	22.76	
40	QPSK	108	0	21.70	21.82	21.69	23.5
40	QPSK	108	54	22.74	22.80	22.76	24.5
40	QPSK	108	108	21.65	21.73	21.61	23.5
40	QPSK	216	0	21.79	21.88	21.84	23.5
40	16QAM	1	1	21.78	21.90	21.78	23.5
40	16QAM	1	1	20.31	20.42	20.37	22.0
40	256QAM	1	1	18.27	18.35	18.20	20.0
Channel							
Frequency [MHz]							
30	QPSK	1	1	1725	1745	1765	24.5
30	QPSK	1	1	22.85	22.88	22.78	24.5
Channel							
Frequency [MHz]							
20	QPSK	1	1	1722.5	1745	1737.5	24.5
20	QPSK	1	1	21.85	21.89	21.83	23.5
Channel							
Frequency [MHz]							
20	QPSK	1	1	1725	1745	1737.5	24.5
20	QPSK	1	1	21.82	21.88	21.77	23.5
Channel							
Frequency [MHz]							
15	QPSK	1	1	1725	1745	1737.5	24.5
15	QPSK	1	1	22.81	22.84	22.83	24.5
Channel							
Frequency [MHz]							
10	QPSK	1	1	1725	1745	1737.5	24.5
10	QPSK	1	1	22.85	22.80	22.82	24.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	1712.5	1745	1727.5	24.5
5	QPSK	1	1	22.79	22.84	22.75	24.5



n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	673.5	674		
20	PI2 BPSK	1	1	24.43	24.45	24.55	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.48	24.49		
20	PI2 BPSK	1	104	24.31	24.52	24.47		
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.05	23.98	26.0	0.0
20	QPSK	1	1	24.48	24.53	24.50		
20	QPSK	1	53	24.48	24.53	24.49		
20	QPSK	1	104	24.46	24.56	24.51	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45	26.0	0.0
20	QPSK	50	28	24.48	24.54	24.39	26.0	0.0
20	QPSK	50	56	23.42	23.55	23.49	25.0	1.0
20	QPSK	100	0	23.42	23.55	23.39	25.0	1.0
20	16QAM	1	1	23.38	23.52	23.38	25.0	1.0
20	64QAM	1	1	21.74	21.85	21.79	23.5	2.5
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				137600	139100	140600	Turn-up test (dBm)	MPR
Frequency (MHz)				673.5	680.5	686.5	1975	(dB)
15	PI2 BPSK	1	1	24.43	24.55	24.42	26.0	0.0
Channel				139100	140600	142100	Turn-up test (dBm)	MPR
Frequency (MHz)				674	680.5	687	1975	(dB)
10	PI2 BPSK	1	1	24.43	24.55	24.51	26.0	0.0
Channel				140600	142100	143600	Turn-up test (dBm)	MPR
Frequency (MHz)				686.5	693.5	699.5	1975	(dB)
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0

n71_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	673.5	674		
20	PI2 BPSK	1	1	24.43	24.45	24.55	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.48	24.49		
20	PI2 BPSK	1	104	24.31	24.52	24.47		
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.05	23.98	26.0	0.0
20	QPSK	1	1	24.48	24.53	24.50		
20	QPSK	1	53	24.48	24.53	24.49		
20	QPSK	1	104	24.46	24.56	24.51	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45	26.0	0.0
20	QPSK	50	28	24.48	24.54	24.39	26.0	0.0
20	QPSK	50	56	23.42	23.55	23.49	25.0	1.0
20	QPSK	100	0	23.42	23.55	23.39	25.0	1.0
20	16QAM	1	1	23.38	23.52	23.38	25.0	1.0
20	64QAM	1	1	21.74	21.85	21.79	23.5	2.5
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				140600	142100	143600	Turn-up test (dBm)	MPR
Frequency (MHz)				686.5	693.5	699.5	1975	(dB)
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0
Channel				142100	143600	145100	Turn-up test (dBm)	MPR
Frequency (MHz)				699.5	706.5	713	1975	(dB)
10	PI2 BPSK	1	1	24.43	24.58	24.51	26.0	0.0
Channel				143600	145100	146600	Turn-up test (dBm)	MPR
Frequency (MHz)				713	719.5	726.5	1975	(dB)
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0

n41_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				506202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	20.95	21.03	21.08	22.5	0.0
100	PV2 BPSK	1	137	20.90	21.00	20.99		
100	PV2 BPSK	1	271	20.90	20.93	20.93	22.5	0.0
100	PV2 BPSK	135	0	20.81	20.99	20.90		
100	PV2 BPSK	135	69	20.93	21.05	21.03	22.5	0.0
100	PV2 BPSK	135	138	20.80	20.90	20.98		
100	PV2 BPSK	270	0	20.90	21.03	21.01	22.5	0.0
100	QPSK	1	1	20.98	21.11	21.08		
100	QPSK	1	137	20.92	21.02	21.01	22.5	0.0
100	QPSK	1	271	20.84	21.03	21.03		
100	QPSK	135	0	20.86	21.00	20.95	22.5	0.0
100	QPSK	135	69	20.95	21.09	21.05		
100	QPSK	135	138	20.89	20.95	20.95	22.5	0.0
100	QPSK	270	0	20.93	21.06	21.03		
100	16QAM	1	1	20.84	20.96	21.02	22.5	0.0
100	64QAM	1	1	20.91	21.00	20.97	22.5	0.0
100	256QAM	1	1	20.84	21.05	20.96	22.5	0.0
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.88	20.95	20.98	22.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.84	20.99	21.01	22.5	0.0
Channel				505202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.87	20.96	20.96	22.5	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2536	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.83	20.96	21.03	22.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.83	21.03	20.97	22.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.85	21.03	20.95	22.5	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.90	21.04	20.98	22.5	0.0
Channel				501700	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.84	20.95	20.98	22.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	20.82	20.95	20.98	22.5	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	20.87	21.01	21.01	22.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	20.91	20.97	21.00	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	23.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	21.53	22.08	22.03	23.5	0.0
100	PV2 BPSK	1	137	21.85	21.98	21.91		
100	PV2 BPSK	1	271	21.62	21.97	21.93	23.5	0.0
100	PV2 BPSK	135	0	21.76	21.90	21.92		
100	PV2 BPSK	135	69	21.90	22.05	22.01	23.5	0.0
100	PV2 BPSK	135	138	21.77	21.99	21.85		
100	PV2 BPSK	270	0	21.88	22.01	21.98	23.5	0.0
100	QPSK	1	1	21.95	22.10	22.06		
100	QPSK	1	137	21.82	22.02	21.93	23.5	0.0
100	QPSK	1	271	21.83	21.96	22.00		
100	QPSK	135	0	21.86	22.00	21.94	23.5	0.0
100	QPSK	135	69	21.92	22.07	22.03		
100	QPSK	135	138	21.87	21.98	21.93	23.5	0.0
100	QPSK	270	0	21.90	22.03	22.00		
100	16QAM	1	1	21.88	21.99	21.92	23.5	0.0
100	64QAM	1	1	21.90	22.00	21.95	23.5	0.0
100	256QAM	1	1	21.86	21.92	21.85	23.0	0.5
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	21.50	22.04	22.00	23.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	21.82	21.94	21.97	23.5	0.0
Channel				505202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	21.79	22.04	21.96	23.5	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2536	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	21.82	22.01	21.94	23.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	21.85	22.04	21.99	23.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	21.88	21.99	22.01	23.5	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	21.80	21.96	21.93	23.5	0.0
Channel				501700	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	21.88	22.00	22.00	23.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	21.85	21.94	21.94	23.5	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	21.86	21.97	21.97	23.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	21.79	22.00	21.92	23.5	0.0

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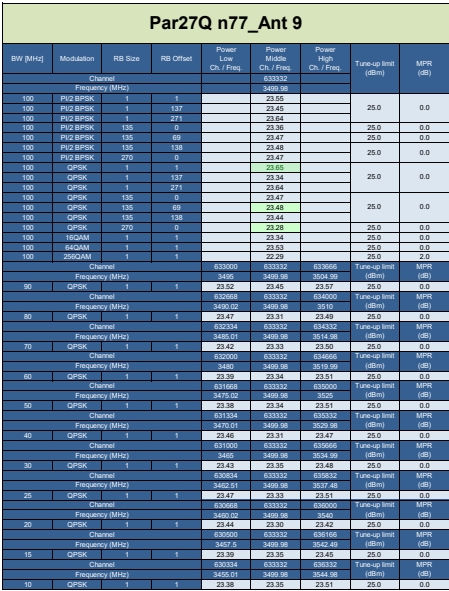
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.83	20.13	20.10		
100	PI2 BPSK	1	137	19.89	20.03	20.02	21.0	0.0
100	PI2 BPSK	1	271	19.73	20.06	19.98		
100	PI2 BPSK	135	0	19.77	20.05	19.99	21.0	0.0
100	PI2 BPSK	135	69	19.82	20.11	20.06	21.0	0.0
100	PI2 BPSK	135	138	19.72	20.03	19.97		
100	PI2 BPSK	270	0	19.78	20.08	20.03	21.0	0.0
100	QPSK	1	1	19.88	20.15	20.11		
100	QPSK	1	137	19.72	20.03	19.98	21.0	0.0
100	QPSK	1	271	19.75	20.05	19.99		
100	QPSK	135	0	19.76	20.01	19.95		
100	QPSK	135	69	19.85	20.15	20.08	21.0	0.0
100	QPSK	135	138	19.80	19.89	19.84		
100	QPSK	270	0	19.82	20.11	20.05	21.0	0.0
100	16QAM	1	1	19.81	20.07	19.95	21.0	0.0
100	16QAM	1	1	19.82	20.05	19.98	21.0	0.0
100	256QAM	1	1	19.82	19.99	20.04	21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.83	20.05	20.04	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.72	20.09	20.04	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.74	20.10	20.06	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.83	20.01	20.04	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.82	20.09	20.03	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.74	20.07	19.99	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.81	20.10	20.06	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.83	20.10	20.05	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.75	19.99	19.95	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.82	20.10	19.96	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.78	20.07	19.99	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1		19.83			
100	PI2 BPSK	1	137		19.80		21.0	0.0
100	PI2 BPSK	1	271		19.58			
100	PI2 BPSK	135	0		19.58		21.0	0.0
100	PI2 BPSK	135	69		19.60		21.0	0.0
100	PI2 BPSK	135	138		19.57			
100	PI2 BPSK	270	0		19.58		21.0	0.0
100	QPSK	1	1		19.66			
100	QPSK	1	137		19.63		21.0	0.0
100	QPSK	1	271		19.60			
100	QPSK	135	0		19.61			
100	QPSK	135	69		19.62		21.0	0.0
100	QPSK	135	138		19.59			
100	QPSK	270	0		19.60		21.0	0.0
100	16QAM	1	1		19.55		21.0	0.0
100	16QAM	1	1		19.58		21.0	0.0
100	256QAM	1	1		19.58		21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1		19.57		21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1		19.56		21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1		19.47		21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1		19.48		21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1		19.49		21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1		19.53		21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1		19.47		21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1		19.57		21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1		19.56		21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1		19.56		21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1		19.48		21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.70	23.84	23.82		
100	PI2 BPSK	1	137	23.77	23.84	23.73	25.0	0.0
100	PI2 BPSK	1	271	23.85	23.83	23.77		
100	PI2 BPSK	135	0	23.85	23.87	23.81	25.0	0.0
100	PI2 BPSK	135	69	23.83	23.83	23.77	25.0	0.0
100	PI2 BPSK	135	138	23.72	23.88	23.70		
100	PI2 BPSK	270	0	23.70	23.80	23.69	25.0	0.0
100	QPSK	1	1	23.87	24.13	24.12		
100	QPSK	1	137	23.74	23.79	23.82	25.0	0.0
100	QPSK	1	271	23.84	23.86	23.85		
100	QPSK	135	0	23.70	23.84	23.82		
100	QPSK	135	69	23.85	23.85	23.83	25.0	0.0
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.66	23.82	23.80	25.0	0.0
100	16QAM	1	1	23.80	23.85	23.80	25.0	0.0
100	16QAM	1	1	23.70	23.86	23.73	25.0	0.0
100	256QAM	1	1	22.63	22.77	22.70	25.0	25.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.71	24.07	24.02	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.75	24.08	24.05	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.70	24.01	23.96	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.76	23.87	23.83	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.81	23.89	24.00	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.74	24.02	24.07	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.70	24.05	24.01	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.75	23.99	24.00	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.77	24.09	24.05	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.78	24.05	24.02	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.72	24.06	24.02	25.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch/Freq	Power Middle Ch/Freq	Power High Ch/Freq	Time-slot (dBm)	MPE (dB)
Channel								
Frequency (MHz)				63300	63400			
100	PI2-BPSK	1	0	23.45	23.45			
100	PI2-BPSK	1	137	23.47	23.47		25.0	0.0
100	PI2-BPSK	1	271	23.44	23.44			
100	PI2-BPSK	135	0	23.45	23.45			
100	PI2-BPSK	135	69	23.47	23.47		25.0	0.0
100	PI2-BPSK	135	138	23.44	23.44			
100	PI2-BPSK	270	0	23.47	23.47		25.0	0.0
100	QPSK	1	0	23.65	23.65			
100	QPSK	1	137	23.34	23.34		25.0	0.0
100	QPSK	1	271	23.80	23.80			
100	QPSK	135	0	23.47	23.47			
100	QPSK	135	69	23.48	23.48			
100	QPSK	135	138	23.44	23.44		25.0	0.0
100	QPSK	270	0	23.28	23.28		25.0	0.0
100	16QAM	1	0	23.34	23.34		25.0	0.0
100	16QAM	1	137	23.34	23.34		25.0	0.0
100	16QAM	1	271	23.29	23.29		25.0	0.0
100	256QAM	1	0	23.29	23.29		25.0	0.0
Channel								
Frequency (MHz)				63000	63300	63600	Time-slot (dBm)	MPE (dB)
90	QPSK	1	0	23.44	23.44	23.44	25.0	0.0
90	QPSK	1	23	23.52	23.45	23.57	25.0	0.0
Frequency (MHz)				35800	35900	36000	Time-slot (dBm)	MPE (dB)
80	QPSK	1	0	23.47	23.51	23.49	25.0	0.0
Channel								
Frequency (MHz)				34800	34900	35148	(dBm)	
70	QPSK	1	0	23.42	23.23	23.50	25.0	0.0
Frequency (MHz)				34000	34100	34200	Time-slot (dBm)	MPE (dB)
60	QPSK	1	0	23.30	23.18	23.33	25.0	0.0
Channel								
Frequency (MHz)				33600	33700	33800	Time-slot (dBm)	MPE (dB)
60	QPSK	1	0	23.34	23.14	23.11	25.0	0.0
Channel								
Frequency (MHz)				63668	63330	63000	Time-slot (dBm)	MPE (dB)
50	QPSK	1	0	23.17	23.17	23.17	25.0	0.0
50	QPSK	1	23	23.18	23.14	23.15	25.0	0.0
Channel								
Frequency (MHz)				63134	63382	63382	Time-slot (dBm)	MPE (dB)
40	QPSK	1	0	23.40	23.40	23.40	25.0	0.0
40	QPSK	1	1	23.48	23.31	23.47	25.0	0.0
Channel								
Frequency (MHz)				63100	63302	63066	Time-slot (dBm)	MPE (dB)
30	QPSK	1	0	23.46	23.46	23.46	25.0	0.0
30	QPSK	1	1	23.43	23.35	23.48	25.0	0.0
Channel								
Frequency (MHz)				34041	34098	34148	Time-slot (dBm)	MPE (dB)
25	QPSK	1	0	23.47	23.33	23.51	25.0	0.0
25	QPSK	1	1	23.45	23.32	23.50	25.0	0.0
Channel								
Frequency (MHz)				34172	34180	34203	(dBm)	
20	QPSK	1	0	23.44	23.30	23.42	25.0	0.0
Channel								
Frequency (MHz)				63000	63132	63166	Time-slot (dBm)	MPE (dB)
15	QPSK	1	0	23.17	23.10	23.22	25.0	0.0
15	QPSK	1	23	23.19	23.15	23.45	25.0	0.0
Channel								
Frequency (MHz)				63044	63342	63342	Time-slot (dBm)	MPE (dB)
10	QPSK	1	0	23.46	23.46	23.46	25.0	0.0
10	QPSK	1	23	23.38	23.35	23.51	25.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				60000	66000	66000	
Frequency (MHz)				3790	3840	3930	
100	P12 BPSK	1	1	23.0	23.34	23.82	
100	P12 BPSK	1	137	23.77	23.84	23.73	25.0
100	P12 BPSK	1	271	23.85	23.93	23.77	
100	P12 BPSK	135	0	23.80	23.87	23.81	25.0
100	P12 BPSK	135	69	23.83	23.93	23.77	25.0
100	P12 BPSK	135	138	23.73	23.86	23.70	25.0
100	P12 BPSK	270	0	23.70	23.80	23.80	25.0
100	QPSK	1	1	23.97	24.13	24.12	
100	QPSK	1	137	23.74	23.79	23.82	25.0
100	QPSK	1	271	23.84	23.95	23.89	
100	QPSK	135	0	23.70	23.84	23.82	
100	QPSK	135	69	23.83	23.85	23.83	25.0
100	QPSK	135	138	23.79	23.79	23.81	25.0
100	QPSK	270	0	23.66	23.68	23.80	25.0
100	ISDM	1	1	23.80	23.95	23.80	25.0
100	ISDM	1	1	23.70	23.98	23.73	25.0
100	SSDM	1	1	23.83	23.77	23.70	25.0
Channel				64968	66000	66000	
Frequency (MHz)				3840	3840	3840	
90	QPSK	1	1	23.71	24.07	24.00	25.0
Channel				64934	66000	66000	
Frequency (MHz)				3840	3840	3840	
80	QPSK	1	1	23.75	24.08	24.05	25.0
Channel				64900	66000	66000	
Frequency (MHz)				3795	3840	3840	
70	QPSK	1	1	23.76	24.01	23.90	25.0
Channel				64866	66000	66000	
Frequency (MHz)				3790.00	3840	3840.98	
60	QPSK	1	1	23.76	23.97	23.99	25.0
Channel				64832	66000	66000	
Frequency (MHz)				3726.01	3840	3854.99	
50	QPSK	1	1	23.81	23.90	24.00	25.0
Channel				64800	66000	66000	
Frequency (MHz)				3722	3840.00	3840.00	
40	QPSK	1	1	23.74	24.02	24.07	25.0
Channel				64768	66000	66000	
Frequency (MHz)				3718.02	3840	3854.98	
30	QPSK	1	1	23.79	24.06	24.01	25.0
Channel				64734	66000	66000	
Frequency (MHz)				3714	3840	3840	
25	QPSK	1	1	23.76	23.90	24.00	25.0
Channel				64700	66000	66000	
Frequency (MHz)				3710.00	3840	3840.98	
20	QPSK	1	1	23.77	24.03	24.09	25.0
Channel				64666	66000	66000	
Frequency (MHz)				3707.50	3840.00	3842.48	
15	QPSK	1	1	23.78	24.02	23.96	25.0
Channel				64632	66000	66000	
Frequency (MHz)				3705	3840	3840	
10	QPSK	1	1	23.72	24.06	24.02	25.0

Par27Q n77_Ant 10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				63332	63332	63332	
Frequency (MHz)				3499.98			
100	P12 BPSK	1	1		23.52		
100	P12 BPSK	1	137		23.45		25.0
100	P12 BPSK	1	271		23.64		
100	P12 BPSK	135	0		23.38		25.0
100	P12 BPSK	135	69		23.47		25.0
100	P12 BPSK	135	138		23.48		25.0
100	P12 BPSK	270	0		23.47		25.0
100	QPSK	1	1		23.65		
100	QPSK	1	137		23.34		25.0
100	QPSK	1	271		23.64		
100	QPSK	135	0		23.47		
100	QPSK	135	69		23.48		25.0
100	QPSK	135	138		23.44		25.0
100	QPSK	270	0		23.33		25.0
100	ISDM	1	1		23.54		25.0
100	ISDM	1	1		23.55		25.0
100	SSDM	1	1		22.29		25.0
Channel				63300	63332	63666	
Frequency (MHz)				3499	3499.98	3500.98	
90	QPSK	1	1	23.52	23.45	23.57	25.0
Channel				63266	63332	63400	
Frequency (MHz)				3499.98	3499.98	3499.98	
80	QPSK	1	1	23.47	23.31	23.49	25.0
Channel				63234	63332	63432	
Frequency (MHz)				3495.91	3499.98	3504.98	
70	QPSK	1	1	23.42	23.33	23.50	25.0
Channel				63200	63332	63496	
Frequency (MHz)				3490	3499.98	3509.90	
60	QPSK	1	1	23.37	23.24	23.51	25.0
Channel				63166	63332	63500	
Frequency (MHz)				3476.02	3499.98	3505	
50	QPSK	1	1	23.37	23.34	23.51	25.0
Channel				63134	63332	63532	
Frequency (MHz)				3470.01	3499.98	3509.98	
40	QPSK	1	1	23.43	23.31	23.47	25.0
Channel				63100	63332	63566	
Frequency (MHz)				3465	3499.98	3509.98	
30	QPSK	1	1	23.43	23.35	23.49	25.0
Channel				63066	63332	63600	
Frequency (MHz)				3461.01	3499.98	3509.98	
25	QPSK	1	1	23.47	23.33	23.51	25.0
Channel				63036	63332	63630	
Frequency (MHz)				3450.00	3499.98	3509.98	
20	QPSK	1	1	23.44	23.30 <td>23.42</td> <td>25.0</td>	23.42	25.0
Channel				63000	63332	63666	
Frequency (MHz)				3450.9	3499.98	3509.98	
15	QPSK	1	1	23.39	23.35	23.45	25.0
Channel				63004	63332	63712	
Frequency (MHz)				3450.01	3499.98	3504.98	
10	QPSK	1	1	23.38	23.35	23.51	25.0

Band 7_Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Turn-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
20	QPSK	1	0	20.59	20.78	20.66	22	0		
20	QPSK	1	48	20.68	20.89	20.75				
20	QPSK	1	96	20.54	20.74	20.67				
20	QPSK	50	0	19.72	19.72	19.77	21	1		
20	QPSK	50	24	19.78	19.86	19.84				
20	QPSK	50	48	19.65	19.75	19.66				
20	QPSK	100	0	19.75	19.83	19.81	21	1		
20	16QAM	1	0	19.88	19.87	20.00				
20	16QAM	1	48	19.89	20.15	20.05				
20	16QAM	1	96	19.91	20.05	20.05	20	2		
20	16QAM	50	0	19.88	19.87	19.78				
20	16QAM	50	24	19.81	19.87	19.79				
20	16QAM	50	48	19.75	19.88	19.89	20	2		
20	16QAM	100	0	19.73	19.78	19.80				
20	16QAM	1	0	19.75	19.76	19.74				
20	64QAM	1	48	19.87	19.99	19.91	20	2		
20	64QAM	1	96	19.70	19.06	19.89				
20	64QAM	50	0	17.88	17.88	17.74				
20	64QAM	50	24	17.77	17.87	17.77	19	3		
20	64QAM	50	48	17.74	17.85	17.85				
20	64QAM	100	0	17.72	17.71	17.75				
20	256QAM	1	0	15.74	15.79	15.74	17	5		
20	256QAM	1	48	15.93	15.94	15.93				
20	256QAM	1	96	15.83	15.88	15.85				
20	256QAM	50	0	15.74	15.74	15.73	17	5		
20	256QAM	50	24	15.77	15.79	15.75				
20	256QAM	50	48	15.83	15.84	15.80				
20	256QAM	100	0	15.71	15.76	15.73	17	5		
Channel Frequency (MHz)										
15	QPSK	1	0	20.43	20.67	20.52	22	0		
15	QPSK	1	37	20.55	20.77	20.65				
15	QPSK	1	74	20.39	20.60	20.57				
15	QPSK	36	0	19.67	19.67	19.67	21	1		
15	QPSK	36	20	19.66	19.70	19.73				
15	QPSK	36	39	19.60	19.62	19.56				
15	QPSK	72	0	19.62	19.67	19.68	21	1		
15	16QAM	1	0	19.84	19.81	19.85				
15	16QAM	1	37	19.79	20.03	20.00				
15	16QAM	36	0	19.63	19.66	19.69	20	2		
15	16QAM	36	0	19.54	19.63	19.54				
15	16QAM	36	20	19.66	19.72	19.64				
15	16QAM	36	39	19.61	19.68	19.68	20	2		
15	64QAM	1	0	19.81	19.82	19.85				
15	64QAM	1	37	19.78	19.88	19.86				
15	64QAM	36	0	17.84	17.73	17.74	19	3		
15	64QAM	36	0	17.56	17.56	17.57				
15	64QAM	36	20	17.71	17.71	17.69				
15	64QAM	36	39	17.64	17.73	17.74	17	5		
15	256QAM	1	0	15.61	15.68	15.58				
15	256QAM	1	37	15.78	15.80	15.72				
15	256QAM	1	74	15.68	15.80	15.77	17	5		
15	256QAM	36	0	15.66	15.60	15.66				
15	256QAM	36	20	15.60	15.73	15.68				
15	256QAM	36	39	15.69	15.74	15.72	17	5		
15	256QAM	75	0	15.55	15.62	15.68				
Channel Frequency (MHz)										
10	QPSK	1	0	20.50	20.67	20.54	22	0		
10	QPSK	1	24	20.46	20.76	20.69				
10	QPSK	1	48	20.46	20.64	20.56				
10	QPSK	25	0	19.62	19.61	19.68	21	1		
10	QPSK	25	12	19.66	19.70	19.69				
10	QPSK	25	25	19.51	19.61	19.58				
10	QPSK	50	0	19.64	19.67	19.66	21	1		
10	16QAM	1	0	19.81	19.84	19.84				
10	16QAM	1	25	19.79	20.02	19.92				
10	16QAM	1	49	19.79	20.00	19.98	20	2		
10	16QAM	25	0	19.80	19.85	19.71				
10	16QAM	25	12	19.73	19.75	19.85				
10	16QAM	25	25	19.60	19.78	19.79	20	2		
10	16QAM	50	0	19.81	19.84	19.74				
10	64QAM	1	0	19.69	19.63	19.69				
10	64QAM	1	25	19.72	19.84	19.86	20	2		
10	64QAM	1	49	19.56	19.99	19.76				
10	64QAM	25	0	17.59	17.53	17.57				
10	64QAM	25	12	17.68	17.71	17.83	19	3		
10	64QAM	25	25	17.59	17.70	17.74				
10	64QAM	50	0	17.63	17.57	17.59				
10	256QAM	1	0	15.61	15.67	15.58	17	5		
10	256QAM	1	25	15.82	15.79	15.87				
10	256QAM	1	49	15.68	15.80	15.72				
10	256QAM	25	0	15.60	15.62	15.67	17	5		
10	256QAM	25	12	15.71	15.67	15.64				
10	256QAM	25	25	15.67	15.76	15.69				
10	256QAM	50	0	15.63	15.69	15.58	17	5		
Channel Frequency (MHz)										
5	QPSK	1	0	20.45	20.68	20.60	22	0		
5	QPSK	1	12	20.59	20.79	20.62				
5	QPSK	1	24	20.42	20.64	20.59				
5	QPSK	12	0	19.58	19.59	19.72	21	1		
5	QPSK	12	7	19.69	19.72	19.77				
5	QPSK	12	13	19.60	19.59	19.56				
5	QPSK	25	0	19.62	19.77	19.69	21	1		
5	16QAM	1	0	19.85	19.81	19.87				
5	16QAM	1	24	19.83	19.99	19.90				
5	16QAM	1	48	19.83	19.89	19.90	20	2		
5	16QAM	12	0	19.52	19.65	19.62				
5	16QAM	12	7	19.65	19.81	19.85				
5	16QAM	12	13	19.61	19.76	19.79	20	2		
5	16QAM	25	0	19.62	19.69	19.68				
5	64QAM	1	0	19.70	19.69	19.69				
5	64QAM	1	12	19.76	19.86	19.93	20	2		
5	64QAM	1	24	19.56	19.90	19.79				
5	64QAM	12	0	17.54	17.56	17.60				
5	64QAM	12	7	17.72	17.76	17.84	19	3		
5	64QAM	12	13	17.68	17.75	17.76				
5	64QAM	25	0	17.62	17.56	17.59				
5	256QAM	1	0	15.63	15.66	15.66	17	5		
5	256QAM	1	12	15.81	15.84	15.80				
5	256QAM	1	24	15.67	15.72	15.79				
5	256QAM	12	0	15.64	15.61	15.61	17	5		
5	256QAM	12	7	15.71	15.65	15.65				
5	256QAM	12	13	15.77	15.78	15.85				
5	256QAM	25	0							



n2_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frreq.	Power Middle Ch. / Frreq.	Power High Ch. / Frreq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1840	1840	1900			
20	P12 BPSK	1	1	23.90	23.93	23.93	25.0	0.0	
20	P12 BPSK	1	53	23.80	23.88	23.73	25.0		
20	P12 BPSK	1	104	23.70	23.80	23.77	25.0		
20	P12 BPSK	50	0	23.20	23.31	23.23	24.5	0.5	
20	P12 BPSK	50	28	23.72	23.82	23.88	25.0	0.0	
20	P12 BPSK	50	58	23.17	23.28	23.13	24.5	0.5	
20	P12 BPSK	100	0	23.21	23.30	23.15	24.5		
20	QPSK	1	1	23.98	24.02	23.97	25.0	0.0	
20	QPSK	1	53	23.88	23.96	23.85	25.0		
20	QPSK	1	104	23.85	23.96	23.91	25.0		
20	QPSK	50	0	22.90	23.08	23.03	24.0	1.0	
20	QPSK	50	28	23.80	23.88	23.91	25.0	0.0	
20	QPSK	50	58	23.00	23.12	23.06	24.0	1.0	
20	QPSK	100	0	22.90	23.00	22.90	24.0		
20	16QAM	1	1	22.77	22.92	22.83	24.0	1.0	
20	16QAM	1	1	21.48	21.58	21.48	22.5	2.5	
20	256QAM	1	1	19.48	19.53	19.44	20.5	4.5	
Channel									
Frequency (MHz)				1850.5	1850.5	1850.5	Tune-up limit (dB)	MPR (dB)	
15	QPSK	1	1	23.80	23.91	23.85	25.0	0.0	
Channel									
Frequency (MHz)				1850	1850	1900	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.80	23.80	23.80	25.0	0.0	
Channel									
Frequency (MHz)				1850.08	1850.08	1851.08	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.75	23.77	23.74	25.0	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Frreq.	Power Middle Ch. / Frreq.	Power High Ch. / Frreq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37500	37600	38000			
20	P12 BPSK	1	1	22.00	22.03	21.98	23.0	0.0	
20	P12 BPSK	1	53	21.91	21.92	21.91	23.0		
20	P12 BPSK	1	104	21.87	21.97	21.93	23.0		
20	P12 BPSK	50	0	21.86	21.87	21.88	23.0	0.0	
20	P12 BPSK	50	28	21.98	22.00	21.93	23.0	0.0	
20	P12 BPSK	50	58	21.00	21.03	21.00	23.0	0.0	
20	P12 BPSK	100	0	21.00	21.08	21.01	23.0		
20	QPSK	1	1	22.01	22.02	22.01	23.0	0.0	
20	QPSK	1	53	21.91	21.97	21.88	23.0		
20	QPSK	1	104	21.98	21.93	21.90	23.0		
20	QPSK	50	0	21.02	21.09	21.08	23.0	0.0	
20	QPSK	50	28	22.00	22.03	21.98	23.0	0.0	
20	QPSK	50	58	21.08	21.08	21.05	23.0	0.0	
20	QPSK	100	0	21.08	22.00	21.05	23.0		
20	16QAM	1	1	21.02	21.04	21.78	23.0	0.0	
20	16QAM	1	1	21.48	21.08	21.48	22.5	3.5	
20	256QAM	1	1	19.48	19.53	19.44	20.5	2.5	
Channel									
Frequency (MHz)				37500	37600	38000	Tune-up limit (dB)	MPR (dB)	
15	QPSK	1	1	21.80	21.84	21.79	23.0	0.0	
Channel									
Frequency (MHz)				37500.08	37600.08	38000	Tune-up limit (dB)	MPR (dB)	
10	QPSK	1	1	21.00	21.08	21.08	23.0	0.0	
Channel									
Frequency (MHz)				37500.00	37600.00	38000.00	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.02	21.00	21.04	23.0	0.0	

n2_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Channel	Power High Channel	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	22.83	22.89	22.83	24.5	0.5	
20	P12 BPSK	1	53	22.87	22.83	22.89			
20	P12 BPSK	1	104	22.79	22.74	22.73			
20	P12 BPSK	50	0	22.28	22.28	22.25			
20	P12 BPSK	50	28	22.70	22.84	22.75	24.5	0.0	
20	P12 BPSK	50	58	22.27	22.33	22.18			
20	P12 BPSK	100	0	22.17	22.31	22.20			
20	QPSK	1	1	22.80	22.80	22.80			
20	QPSK	1	53	22.73	22.88	22.75	24.5	0.0	
20	QPSK	1	104	22.87	22.83	22.74			
20	QPSK	50	0	21.87	21.75	21.80			
20	QPSK	50	28	22.78	22.85	22.79			
20	QPSK	50	58	21.61	21.67	21.61	23.5	1.0	
20	QPSK	100	0	21.74	21.83	21.76			
20	16QAM	1	1	21.68	21.81	21.72			
20	256QAM	1	1	20.17	20.32	20.18			
Channel									
Frequency (MHz)				1840	1840	1900	Tune-up limit (dB)	MPR (dB)	
15	QPSK	1	1	22.80	22.83	22.77	24.5	0.0	
Channel									
Frequency (MHz)				1850	1850	1900	Tune-up limit (dB)	MPR (dB)	
10	QPSK	1	1	21.74	21.87	21.75	24.5	0.0	
Channel									
Frequency (MHz)				1850.00	1850.00	1851.00	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.75	21.80	21.75	24.5	0.0	



n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]		
Channel				166600	167300	167900		
Frequency (MHz)				166	166.5	167		
20	P12 BPSK	1	1	24.53	24.63	24.58	26.0	0.0
20	P12 BPSK	1	53	24.40	24.47	24.45		
20	P12 BPSK	1	104	24.27	24.27	24.51		
20	P12 BPSK	50	0	23.98	24.08	23.92		
20	P12 BPSK	50	28	24.47	24.58	24.52		
20	P12 BPSK	50	56	23.92	24.05	23.95	25.5	0.0
20	P12 BPSK	100	0	23.88	23.98	23.94		
20	QPSK	1	1	24.58	24.68	24.62		
20	QPSK	1	53	24.50	24.63	24.58		
20	QPSK	1	104	24.50	24.63	24.51		
20	QPSK	50	0	23.92	23.77	23.85	25.0	1.0
20	QPSK	50	28	24.55	24.62	24.52		
20	QPSK	50	56	23.70	23.78	23.67		
20	QPSK	100	0	23.88	23.73	23.58		
20	16QAM	1	1	23.92	23.88	23.98		
20	16QAM	1	1	22.18	22.28	22.15	23.5	0.0
20	256QAM	1	1	20.14	20.23	20.11		
Channel				168300	169000	169600		
Frequency (MHz)				1683	1690	1696		
15	QPSK	1	1	24.47	24.52	24.48	26.0	0.0
Channel				1696	1703	1709		
Frequency (MHz)				1696	1703	1709		
10	QPSK	1	1	24.43	24.49	24.45	26.0	0.0
Channel				169600	169700	169800		
Frequency (MHz)				1696	1697	1698		
5	QPSK	1	1	24.45	24.50	24.47	26.0	0.0

n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]		
Channel				166600	167300	167900		
Frequency (MHz)				166	166.5	167		
20	P12 BPSK	1	1	24.53	24.53	24.58	26.0	0.0
20	P12 BPSK	1	53	24.40	24.47	24.45		
20	P12 BPSK	1	104	24.27	24.27	24.51		
20	P12 BPSK	50	0	23.98	24.08	23.92		
20	P12 BPSK	50	28	24.47	24.58	24.52		
20	P12 BPSK	50	56	23.92	24.05	23.95	25.5	
20	P12 BPSK	100	0	23.88	23.98	23.94		
20	QPSK	1	1	24.58	24.68	24.62		
20	QPSK	1	53	24.50	24.63	24.58		
20	QPSK	1	104	24.50	24.63	24.51		
20	QPSK	50	0	23.92	23.77	23.85	25.0	1.0
20	QPSK	50	28	24.55	24.62	24.52		
20	QPSK	50	56	23.70	23.78	23.67		
20	QPSK	100	0	23.88	23.73	23.58		
20	16QAM	1	1	23.92	23.88	23.98		
20	16QAM	1	1	22.18	22.28	22.15	23.5	
20	256QAM	1	1	20.14	20.23	20.11		
Channel				167300	167300	167300		
Frequency (MHz)				1673	167.5	168		
15	QPSK	1	1	24.47	24.52	24.48	26.0	0.0
Channel				167	167.5	168		
Frequency (MHz)				167	167.5	168		
10	QPSK	1	1	24.43	24.49	24.45	26.0	0.0
Channel				166300	167300	168300		
Frequency (MHz)				1663	1673	1683		
5	QPSK	1	1	24.45	24.50	24.47	26.0	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)	MPR (dB)
Channel				560000	567000	570000		
Frequency (MHz)								
40	P12 BPSK	1	1	23.78	23.83	23.88	25.0	0.0
40	P12 BPSK	1	108	23.70	23.82	23.69		
40	P12 BPSK	1	214	23.74	23.85	23.75		
40	P12 BPSK	108	0	23.27	23.32	23.19		
40	P12 BPSK	108	54	23.72	23.80	23.71		
40	P12 BPSK	108	108	23.15	23.23	23.18	24.5	0.5
40	P12 BPSK	216	0	23.19	23.33	23.18		
40	QPSK	1	1	23.80	23.93	23.90		
40	QPSK	1	108	23.74	23.83	23.78		
40	QPSK	1	214	23.68	23.80	23.68		
40	QPSK	108	0	22.99	23.05	22.98	24.0	1.0
40	QPSK	108	54	23.71	23.83	23.68		
40	QPSK	108	108	23.65	23.15	23.06		
40	QPSK	216	0	22.90	23.03	22.88		
40	16QAM	1	1	22.98	23.01	22.93		
40	16QAM	1	1	21.41	21.58	21.44	23.5	2.5
40	256QAM	1	1	19.45	19.57	19.44		
Channel				567000	567000	567000		
Frequency (MHz)								
30	QPSK	1	1	23.71	23.76	23.84	25.0	0.0
Channel				567000	567000	570000		
Frequency (MHz)								
25	QPSK	1	1	23.72	23.79	23.83	25.0	0.0
Channel				567000	567000	570000		
Frequency (MHz)								
20	QPSK	1	1	23.68	23.84	23.81	25.0	0.0
Channel				567000	567000	570000		
Frequency (MHz)								
15	QPSK	1	1	23.65	23.84	23.84	25.0	0.0
Channel				567000	567000	570000		
Frequency (MHz)								
10	QPSK	1	1	23.64	23.85	23.78	25.0	0.0
Channel				567000	567000	570000		
Frequency (MHz)								
5	QPSK	1	1	23.70	23.78	23.79	25.0	0.0



n7_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frq.	Power Middle Ch. / Frq.	Power High Ch. / Frq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				504000	507000	510000			
40	P1/2 BPSK	1	1	19.54	19.57	19.82	21.0	0.0	
40	P1/2 BPSK	1	108	19.74	19.87	19.80			
40	P1/2 BPSK	1	214	19.75	19.87	19.84			
40	P1/2 BPSK	108	0	19.84	19.84	19.77	21.0	0.0	
40	P1/2 BPSK	108	54	19.83	19.84	19.81	21.0	0.0	
40	P1/2 BPSK	108	108	19.75	19.85	19.85	21.0	0.0	
40	P1/2 BPSK	216	0	19.75	19.90	19.81	21.0	0.0	
40	QPSK	1	1	19.92	19.92	19.93			
40	QPSK	1	108	19.84	19.88	19.78			
40	QPSK	1	214	19.95	19.80	19.86	21.0	0.0	
40	QPSK	108	0	19.75	19.87	19.79			
40	QPSK	108	54	19.85	19.93	19.91			
40	QPSK	108	108	19.85	19.88	19.80	21.0	0.0	
40	QPSK	216	0	19.85	19.91	19.89	21.0	0.0	
40	16QAM	1	1	19.94	19.81	19.82	21.0	0.0	
40	16QAM	1	1	19.74	19.83	19.77	21.0	0.0	
40	256QAM	1	1	19.45	19.57	19.44	20.5	0.5	
Channel									
Frequency (MHz)				2520	2530	2550			
30	QPSK	1	1	19.75	19.84	19.82	21.0	0.0	
Channel									
Frequency (MHz)				502500	507000	511500			
20	QPSK	1	1	19.75	19.80	19.78	21.0	0.0	
Channel									
Frequency (MHz)				505000	507000	512000			
20	QPSK	1	1	19.76	19.80	19.80	21.0	0.0	
Channel									
Frequency (MHz)				2527.5	2535	2552.5			
15	QPSK	1	1	19.77	19.88	19.88	21.0	0.0	
Channel									
Frequency (MHz)				501500	507000	512500			
10	QPSK	1	1	19.75	19.80	19.78	21.0	0.0	
Channel									
Frequency (MHz)				505000	507000	513000			
10	QPSK	1	1	19.75	19.81	19.85	21.0	0.0	

n12_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frq.	Power Middle Ch. / Frq.	Power High Ch. / Frq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				141000	141800	141700			
10	P1/2 BPSK	1	1	24.42	24.53	24.53	20.0		
10	P1/2 BPSK	1	40	24.33	24.41	24.40			
10	P1/2 BPSK	1	77	24.38	24.47	24.45			
10	P1/2 BPSK	36	0	23.88	23.91	23.90	20.0	0.5	0.5
10	P1/2 BPSK	36	22	24.42	24.43	24.40	20.0	0.0	0.0
10	P1/2 BPSK	36	40	23.91	23.93	23.88	20.0	0.5	0.5
10	P1/2 BPSK	75	0	23.84	23.93	23.90	20.0		
10	QPSK	1	1	24.00	24.00	24.00	20.0		
10	QPSK	1	40	24.42	24.53	24.44			
10	QPSK	1	77	24.38	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.37	20.0	1.0	
10	QPSK	36	22	24.47	24.52	24.38	20.0	0.0	
10	QPSK	36	40	23.48	23.48	23.40	20.0	1.0	
10	QPSK	75	0	23.50	23.58	23.53	20.0	1.0	
10	16QAM	1	1	23.42	23.55	23.46	20.0	1.0	
10	16QAM	1	1	23.02	23.15	23.07	20.5	2.5	
10	256QAM	1	1	19.06	20.04	19.04	21.5	4.5	
Channel									
Frequency (MHz)				140000	141000	142000	Tune-up limit (dBm)	MPR	
10	QPSK	1	1	24.42	24.44	24.45	20.0	0.0	
Channel									
Frequency (MHz)				140000	141000	142000	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	24.45	24.45	24.35	20.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Frq	Power Middle Ch / Frq	Power High Ch / Frq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				141300	141600	141700			
10	P1/2 BPSK	1	1	24.43	24.53	24.53	20.0	0.0	
10	P1/2 BPSK	1	40	24.33	24.41	24.40			
10	P1/2 BPSK	1	77	24.38	24.47	24.45			
10	P1/2 BPSK	36	0	23.88	23.91	23.90	20.0	0.0	
10	P1/2 BPSK	36	22	24.42	24.43	24.40	20.0	0.0	
10	P1/2 BPSK	36	40	23.91	23.93	23.88	20.0	0.0	
10	P1/2 BPSK	75	0	23.84	23.93	23.90	20.0	0.0	
10	QPSK	1	1	24.00	24.00	24.00	20.0	0.0	
10	QPSK	1	40	24.42	24.53	24.44			
10	QPSK	1	77	24.38	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.37	20.0	1.0	
10	QPSK	36	22	24.47	24.52	24.38	20.0	0.0	
10	QPSK	36	40	23.48	23.48	23.40	20.0	1.0	
10	QPSK	75	0	23.50	23.58	23.53	20.0	1.0	
10	16QAM	1	1	23.42	23.55	23.46	20.0	1.0	
10	16QAM	1	1	23.02	23.15	23.07	20.5	2.5	
10	256QAM	1	1	19.06	20.04	19.04	21.5	4.5	
Channel									
Frequency (MHz)				704	711.5	717.5			
10	QPSK	1	1	24.42	24.44	24.45	20.0	0.0	
Channel									
Frequency (MHz)				703.5	707.5	711.5	Tune-up limit (dBm)	MPR	
5	QPSK	1	1	24.45	24.45	24.35	20.0	0.0	



n25_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								
40	P12 BPSK	1	1	24.56	24.41	24.61	Tune-up limit (dBm)	MPR (dB)
40	P12 BPSK	1	108	24.27	24.38	24.32	25.0	0.0
40	P12 BPSK	1	214	24.56	24.42	24.52	25.0	0.0
40	P12 BPSK	108	0	23.87	23.95	23.86	24.5	0.5
40	P12 BPSK	108	54	24.25	24.40	24.33	25.0	0.0
40	P12 BPSK	108	108	23.85	23.92	23.83	24.5	0.5
40	P12 BPSK	216	0	23.85	23.93	23.81	24.5	0.5
40	QPSK	1	1	24.40	24.50	24.46	25.0	0.0
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0
40	QPSK	1	214	24.56	24.45	24.29	25.0	0.0
40	QPSK	108	0	23.75	23.93	23.85	24.0	1.0
40	QPSK	108	54	24.35	24.45	24.34	25.0	0.0
40	QPSK	108	108	23.92	23.94	23.92	24.0	1.0
40	QPSK	216	0	23.91	23.98	23.92	24.0	1.0
40	16QAM	1	1	23.28	23.31	23.28	24.0	1.0
40	16QAM	1	1	21.88	21.92	21.72	22.5	2.5
40	256QAM	1	1	19.89	19.78	19.67	20.5	4.5
Channel								
30	QPSK	1	1	24.95	24.97	24.98	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.96	24.97	24.98	25.0	0.0
Channel								
20	QPSK	1	1	37.5000	37.6000	38.1000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	37.5000	37.6000	38.1000	25.0	0.0
Channel								
20	QPSK	1	1	37.5000	37.6000	38.1000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	37.5000	37.6000	38.1000	25.0	0.0
Channel								
16	QPSK	1	1	37.5000	37.6000	38.0000	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	37.5000	37.6000	38.0000	25.0	0.0
Channel								
5	QPSK	1	1	37.5000	37.6000	38.0000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	37.5000	37.6000	38.0000	25.0	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
	Frequency (MHz)			374000	376000	376000	Tune-up limit (dBm)	MPR (dB)
40	P12 BPSK	1	1	22.43	22.53	22.45	23.0	0.0
40	P12 BPSK	1	108	22.32	22.40	22.35	23.0	0.0
40	P12 BPSK	1	214	22.34	22.44	22.34	23.0	0.0
40	P12 BPSK	108	0	22.36	22.34	22.28	23.0	0.0
40	P12 BPSK	108	54	22.41	22.50	22.43	23.0	0.0
40	P12 BPSK	108	108	22.38	22.44	22.31	23.0	0.0
40	P12 BPSK	216	0	22.38	22.48	22.40	23.0	0.0
40	QPSK	1	1	22.45	22.55	22.48	23.0	0.0
40	QPSK	1	108	22.32	22.39	22.32	23.0	0.0
40	QPSK	1	214	22.36	22.45	22.34	23.0	0.0
40	QPSK	108	0	22.36	22.39	22.33	23.0	0.0
40	QPSK	108	54	22.42	22.53	22.45	23.0	0.0
40	QPSK	108	108	22.38	22.37	22.37	23.0	0.0
40	QPSK	216	0	22.46	22.59	22.43	23.0	0.0
40	16QAM	1	1	22.32	22.39	22.32	23.0	0.0
40	16QAM	1	1	21.86	21.92	21.72	22.5	2.5
40	256QAM	1	1	19.89	19.78	19.67	20.5	2.5
Channel								
	Frequency (MHz)			1865	1862.5	1900	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.57	22.44	22.42	23.0	0.0
Channel								
	Frequency (MHz)			374000	376000	380000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.38	22.49	22.41	23.0	0.0
Channel								
	Frequency (MHz)			375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.38	22.44	22.33	23.0	0.0
Channel								
	Frequency (MHz)			371500	376000	381500	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	22.59	22.47	22.33	23.0	0.0
Channel								
	Frequency (MHz)			375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	22.40	22.30	22.39	23.0	0.0
Channel								
	Frequency (MHz)			376000	376000	382000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.31	22.44	22.32	23.0	0.0

n25_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								
Frequency (MHz)				374000 / 376000	376000	376000	Tune-up limit (dBm)	MPR (dB)
40	P12 BPSK	1	1	22.51	22.55	22.58	23.0	0.0
40	P12 BPSK	1	108	22.76	22.89	22.91	24.5	0.0
40	P12 BPSK	1	214	22.83	22.85	22.83	24.5	0.0
40	P12 BPSK	108	0	22.29	22.34	22.42	24.0	0.5
40	P12 BPSK	108	54	22.82	22.91	22.82	24.5	0.0
40	P12 BPSK	108	108	22.27	22.45	22.39	24.0	0.5
40	P12 BPSK	216	0	22.27	22.40	22.35	24.0	0.5
40	QPSK	1	1	22.85	22.83	22.85	25.0	0.0
40	QPSK	1	108	22.79	22.88	22.73	24.5	0.0
40	QPSK	1	214	22.80	22.83	22.82	25.0	0.0
40	QPSK	108	0	21.88	21.81	21.78	23.5	1.0
40	QPSK	108	54	22.79	22.85	22.74	24.5	0.0
40	QPSK	108	108	21.83	21.73	21.81	23.0	1.0
40	QPSK	216	0	21.88	21.83	21.78	23.0	1.0
40	16QAM	1	1	21.71	21.81	21.75	23.5	1.0
40	16QAM	1	1	20.21	20.38	20.20	22.0	2.5
40	256QAM	1	1	18.24	18.33	18.20	20.0	4.5
Channel								
Frequency (MHz)				1865 / 1862.5	1900	1900	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.86	22.91	22.88	24.5	0.0
Channel								
Frequency (MHz)				1862.5 / 1862.5	1902.5	1902.5	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.84	22.97	22.90	23.5	0.0
Channel								
Frequency (MHz)				375000 / 376000	381000	381000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	22.84	22.94	22.90	23.5	0.0
Channel								
Frequency (MHz)				371500 / 376000	381500	381500	Tune-up limit (dBm)	MPR
16	QPSK	1	1	22.87	22.94	22.90	23.5	0.0
Channel								
Frequency (MHz)				375000 / 376000	382000	382000	Tune-up limit (dBm)	MPR
16	QPSK	1	1	22.80	22.90	22.88	24.0	0.0
Channel								
Frequency (MHz)				1862.5 / 1862.5	1912.5	1912.5	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.81	22.89	22.91	24.5	0.0
Channel								
Frequency (MHz)				1862.5 / 1862.5	1912.5	1912.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.82	22.90	22.91	24.5	0.0



n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	23.0			
10	P1/2 BPSK	1	26	16.73			
10	P1/2 BPSK	1	26	16.67		18.0	0.0
10	P1/2 BPSK	1	50	16.69			
10	P1/2 BPSK	25	0	16.67		18.0	0.0
10	P1/2 BPSK	25	14	16.67		18.0	0.0
10	P1/2 BPSK	25	27	16.65			
10	P1/2 BPSK	50	0	16.68		18.0	0.0
10	QPSK	1	1	16.72			
10	QPSK	1	26	16.71		18.0	0.0
10	QPSK	1	50	16.72			
10	QPSK	25	0	16.72		18.0	0.0
10	QPSK	25	14	16.72		18.0	0.0
10	QPSK	25	27	16.72			
10	QPSK	50	0	16.71		18.0	0.0
10	16QAM	1	1	16.64		18.0	0.0
10	16QAM	1	1	16.65		18.0	0.0
10	256QAM	1	1	16.67		18.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	MPR [dB]
				16.54	16.68	16.60	0.0

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	23.0			
10	P1/2 BPSK	1	26	16.67			
10	P1/2 BPSK	1	50	16.69		18.0	0.0
10	P1/2 BPSK	25	0	16.67		18.0	0.0
10	P1/2 BPSK	25	14	16.67		18.0	0.0
10	P1/2 BPSK	25	27	16.68			
10	P1/2 BPSK	50	0	16.68		18.0	0.0
10	QPSK	1	1	16.72			
10	QPSK	1	26	16.71		18.0	0.0
10	QPSK	1	50	16.72			
10	QPSK	25	0	16.72		18.0	0.0
10	QPSK	25	14	16.72		18.0	0.0
10	QPSK	25	27	16.72			
10	QPSK	50	0	16.71		18.0	0.0
10	16QAM	1	1	16.64		18.0	0.0
10	16QAM	1	1	16.65		18.0	0.0
10	256QAM	1	1	16.67		18.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	MPR [dB]
				16.54	16.68	16.60	0.0

n30_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	22.78			
10	P1/2 BPSK	1	26	22.88			
10	P1/2 BPSK	1	50	22.72		24.5	0.0
10	P1/2 BPSK	25	0	22.21		24.0	0.5
10	P1/2 BPSK	25	14	22.68		24.5	0.0
10	P1/2 BPSK	25	27	22.18			
10	P1/2 BPSK	50	0	22.20		24.0	0.5
10	QPSK	1	1	22.82			
10	QPSK	1	26	22.73		24.5	0.0
10	QPSK	1	50	22.72			
10	QPSK	25	0	21.88		23.5	1.0
10	QPSK	25	14	22.88		24.5	0.0
10	QPSK	25	27	21.88			
10	QPSK	50	0	21.88		23.5	1.0
10	16QAM	1	1	21.58		23.5	1.0
10	16QAM	1	1	20.11		20.0	2.5
10	256QAM	1	1	18.13		20.0	4.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	22.73	22.78	22.85	MPR [dB]
				22.73	22.78	22.85	0.0



n66_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	1725	1745	1765	
40	P12 BPSK	1	108	24.42	24.52	24.62	25.0
40	P12 BPSK	1	214	24.26	24.40	24.54	0.0
40	P12 BPSK	1	214	24.30	24.43	24.56	0.0
40	P12 BPSK	108	0	23.87	23.98	24.04	0.5
40	P12 BPSK	108	54	24.33	24.45	24.59	0.0
40	P12 BPSK	108	108	23.95	23.93	23.81	0.5
40	P12 BPSK	216	0	23.88	23.95	23.83	0.5
40	QPSK	1	1	24.45	24.53	24.61	
40	QPSK	1	108	24.31	24.45	24.35	0.0
40	QPSK	1	214	24.31	24.43	24.33	0.0
40	QPSK	108	0	23.32	23.43	23.38	1.0
40	QPSK	108	54	24.31	24.36	24.25	0.0
40	QPSK	108	108	23.28	23.32	23.21	0.0
40	QPSK	216	0	23.12	23.28	23.19	1.0
40	16QAM	1	1	23.25	23.33	23.28	1.0
40	16QAM	1	1	23.86	23.89	23.77	2.5
40	256QAM	1	1	19.81	19.88	19.82	4.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	1725	1745	1765	0.0
30	QPSK	1	1	24.37	24.38	24.37	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1722.5	1745	1737.5	0.0
20	QPSK	1	1	24.29	24.47	24.41	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1725	1745	1737.5	0.0
20	QPSK	1	1	24.39	24.45	24.34	0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	1725	1745	1737.5	0.0
16	QPSK	1	1	24.29	24.43	24.33	0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	1725	1745	1737.5	0.0
16	QPSK	1	1	24.29	24.48	24.40	0.0
Channel							
Frequency [MHz]							
8	QPSK	1	1	1712.5	1745	1727.5	0.0
8	QPSK	1	1	24.34	24.48	24.34	0.0

n66_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	1725	1745	1765	
40	P12 BPSK	1	108	21.95	22.02	22.05	0.0
40	P12 BPSK	1	214	21.79	21.84	21.81	0.0
40	P12 BPSK	108	0	21.79	21.88	21.82	0.0
40	P12 BPSK	108	54	21.83	22.00	21.88	0.0
40	P12 BPSK	108	108	21.77	21.88	21.83	0.0
40	P12 BPSK	216	0	21.80	21.88	21.85	0.0
40	QPSK	1	1	21.88	22.05	22.01	
40	QPSK	1	108	21.86	21.89	21.82	0.0
40	QPSK	1	214	21.85	21.89	21.86	0.0
40	QPSK	108	0	21.84	21.85	21.82	0.0
40	QPSK	108	54	21.85	22.03	21.89	0.0
40	QPSK	108	108	21.84	21.83	21.83	0.0
40	QPSK	216	0	21.83	22.04	21.85	0.0
40	16QAM	1	1	21.82	21.85	21.85	0.0
40	16QAM	1	1	21.89	21.89	21.82	0.0
40	256QAM	1	1	19.81	19.88	19.82	4.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	1725	1745	1765	0.0
30	QPSK	1	1	21.82	21.89	21.88	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1722.5	1745	1737.5	0.0
20	QPSK	1	1	21.89	21.89	21.81	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1725	1745	1737.5	0.0
20	QPSK	1	1	21.82	21.81	21.86	0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	1725	1745	1737.5	0.0
16	QPSK	1	1	21.89	22.09	21.93	0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	1725	1745	1737.5	0.0
16	QPSK	1	1	21.81	21.89	21.88	0.0
Channel							
Frequency [MHz]							
8	QPSK	1	1	1712.5	1745	1727.5	0.0
8	QPSK	1	1	21.83	21.83	21.85	0.0

n66_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Middle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit [dBm]
Channel							
Frequency [MHz]							
40	P12 BPSK	1	1	1725	1745	1765	
40	P12 BPSK	1	108	22.89	22.92	22.83	0.0
40	P12 BPSK	1	214	22.72	22.83	22.79	0.0
40	P12 BPSK	1	214	22.82	22.89	22.73	0.0
40	P12 BPSK	108	0	22.19	22.32	22.17	0.0
40	P12 BPSK	108	54	22.78	22.83	22.76	0.0
40	P12 BPSK	108	108	22.25	22.35	22.30	0.0
40	P12 BPSK	216	0	22.18	22.30	22.14	0.0
40	QPSK	1	1	22.92	22.95	22.88	
40	QPSK	1	108	22.82	22.88	22.83	0.0
40	QPSK	1	214	22.84	22.82	22.76	0.0
40	QPSK	108	0	21.70	21.82	21.69	1.0
40	QPSK	108	54	22.74	22.80	22.76	0.0
40	QPSK	108	108	21.65	21.73	21.61	1.0
40	QPSK	216	0	21.79	21.88	21.84	1.0
40	16QAM	1	1	21.78	21.80	21.78	1.0
40	16QAM	1	1	20.31	20.42	20.37	2.5
40	256QAM	1	1	18.27	18.35	18.20	4.5
Channel							
Frequency [MHz]							
30	QPSK	1	1	1725	1745	1765	0.0
30	QPSK	1	1	22.85	22.88	22.78	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1722.5	1745	1737.5	0.0
20	QPSK	1	1	21.85	21.89	21.83	0.0
Channel							
Frequency [MHz]							
20	QPSK	1	1	1725	1745	1737.5	0.0
20	QPSK	1	1	21.82	21.88	21.77	0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	1725	1745	1737.5	0.0
16	QPSK	1	1	22.81	22.84	22.83	0.0
Channel							
Frequency [MHz]							
16	QPSK	1	1	1725	1745	1737.5	0.0
16	QPSK	1	1	22.85	22.80	22.80	0.0
Channel							
Frequency [MHz]							
8	QPSK	1	1	1712.5	1745	1727.5	0.0
8	QPSK	1	1	22.79	22.84	22.75	0.0

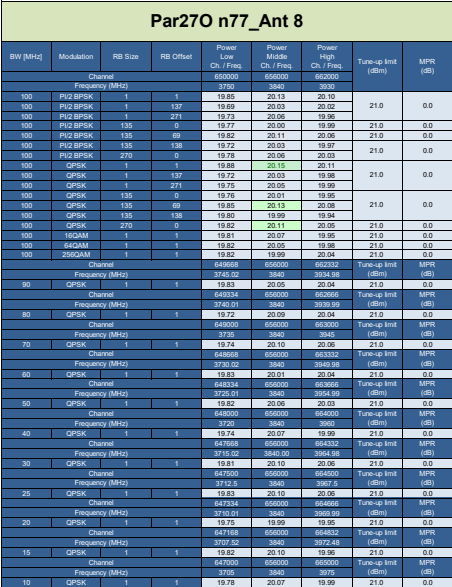


n71_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	24.43	24.60	24.65	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.48	24.49		
20	PI2 BPSK	1	104	24.31	24.52	24.47		
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.05	23.88	26.0	0.0
20	QPSK	1	1	24.46	24.63	24.59		
20	QPSK	1	53	24.48	24.53	24.49		
20	QPSK	1	104	24.46	24.56	24.51	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45		
20	QPSK	50	28	24.48	24.54	24.39		
20	QPSK	50	56	23.42	23.56	23.49	25.0	1.0
20	QPSK	100	0	23.42	23.55	23.39	25.5	2.5
20	16QAM	1	1	23.38	23.52	23.38		
20	16QAM	1	1	21.74	21.85	21.79		
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				137600	139100	140600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				688.5	696.5	704.5		
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0
Channel				139100	140600	142100	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				696.5	704.5	712.5		
10	PI2 BPSK	1	1	24.43	24.53	24.51	26.0	0.0
Channel				140600	142100	143600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				704.5	712.5	720.5		
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0

n71_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Turn-up test (dBm)	MPR (dB)
Channel				134600	136100	137600		
Frequency (MHz)				673	680.5	688		
20	PI2 BPSK	1	1	24.43	24.60	24.65	26.0	0.0
20	PI2 BPSK	1	53	24.37	24.48	24.49		
20	PI2 BPSK	1	104	24.31	24.52	24.47		
20	PI2 BPSK	50	0	23.79	24.05	23.93	25.5	0.5
20	PI2 BPSK	50	28	24.35	24.54	24.44	26.0	0.0
20	PI2 BPSK	50	56	23.75	23.97	23.93	25.5	0.5
20	PI2 BPSK	100	0	23.82	24.05	23.88	26.0	0.0
20	QPSK	1	1	24.46	24.63	24.59		
20	QPSK	1	53	24.48	24.53	24.49		
20	QPSK	1	104	24.46	24.56	24.51	25.0	1.0
20	QPSK	50	0	23.49	23.59	23.45		
20	QPSK	50	28	24.48	24.54	24.39		
20	QPSK	50	56	23.42	23.56	23.49	25.0	1.0
20	QPSK	100	0	23.42	23.55	23.39	25.5	2.5
20	16QAM	1	1	23.38	23.52	23.38		
20	16QAM	1	1	21.74	21.85	21.79		
20	256QAM	1	1	19.73	19.83	19.72	21.5	4.5
Channel				137600	139100	140600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				688.5	696.5	704.5		
15	PI2 BPSK	1	1	24.43	24.58	24.42	26.0	0.0
Channel				139100	140600	142100	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				696.5	704.5	712.5		
10	PI2 BPSK	1	1	24.43	24.53	24.51	26.0	0.0
Channel				140600	142100	143600	Turn-up test (dBm)	MPR (dB)
Frequency (MHz)				704.5	712.5	720.5		
5	PI2 BPSK	1	1	24.34	24.54	24.51	26.0	0.0

n41_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				506202	518598	528000	22.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	20.95	21.03	21.09	22.5	0.0
100	PV2 BPSK	1	137	20.90	21.00	20.99		
100	PV2 BPSK	1	271	20.90	20.93	20.93	22.5	0.0
100	PV2 BPSK	135	0	20.81	20.99	20.90		
100	PV2 BPSK	135	69	20.93	21.05	21.03	22.5	0.0
100	PV2 BPSK	135	138	20.80	20.90	20.98		
100	PV2 BPSK	270	0	20.90	21.03	21.01	22.5	0.0
100	QPSK	1	1	20.98	21.11	21.08		
100	QPSK	1	137	20.92	21.02	21.01	22.5	0.0
100	QPSK	1	271	20.84	21.03	21.03		
100	QPSK	135	0	20.86	21.00	20.95	22.5	0.0
100	QPSK	135	69	20.95	21.09	21.05		
100	QPSK	135	138	20.99	20.95	20.95	22.5	0.0
100	QPSK	270	0	20.93	21.06	21.03		
100	16QAM	1	1	20.84	20.96	21.02	22.5	0.0
100	64QAM	1	1	20.91	21.00	20.97	22.5	0.0
100	256QAM	1	1	20.84	21.05	20.96	22.5	0.0
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.88	20.95	20.98	22.5	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.84	20.99	21.01	22.5	0.0
Channel				505202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.87	20.96	20.96	22.5	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2536	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.83	20.96	21.03	22.5	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.83	21.03	20.97	22.5	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.85	21.03	20.95	22.5	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.90	21.04	20.98	22.5	0.0
Channel				501700	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.5	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.84	20.95	20.98	22.5	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	20.82	20.95	20.98	22.5	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	20.87	21.01	21.01	22.5	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	20.91	20.97	21.00	22.5	0.0

n41_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506202	518598	528000	22.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	20.47	20.58	20.45	22.0	0.0
100	PV2 BPSK	1	137	20.41	20.57	20.54		
100	PV2 BPSK	1	271	20.38	20.52	20.45	22.0	0.0
100	PV2 BPSK	135	0	20.41	20.56	20.49		
100	PV2 BPSK	135	69	20.47	20.46	20.49	22.0	0.0
100	PV2 BPSK	135	138	20.45	20.46	20.46		
100	PV2 BPSK	270	0	20.45	20.54	20.48	22.0	0.0
100	QPSK	1	1	20.53	20.52	20.50		
100	QPSK	1	137	20.40	20.47	20.45	22.0	0.0
100	QPSK	1	271	20.39	20.57	20.48		
100	QPSK	135	0	20.43	20.48	20.44	22.0	0.0
100	QPSK	135	69	20.50	20.58	20.56		
100	QPSK	135	138	20.39	20.57	20.55	22.0	0.0
100	QPSK	270	0	20.48	20.55	20.52		
100	16QAM	1	1	20.45	20.57	20.46	22.0	0.0
100	64QAM	1	1	20.40	20.53	20.51	22.0	0.0
100	256QAM	1	1	20.45	20.47	20.52	22.0	0.0
Channel				506200	518598	528998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.42	20.45	20.43	22.0	0.0
Channel				507204	518598	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.47	20.50	20.55	22.0	0.0
Channel				505202	518598	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.37	20.52	20.49	22.0	0.0
Channel				505200	518598	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.39	20.46	20.45	22.0	0.0
Channel				504204	518598	532998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.41	20.58	20.52	22.0	0.0
Channel				503202	518598	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.44	20.48	20.50	22.0	0.0
Channel				502200	518598	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.38	20.51	20.52	22.0	0.0
Channel				501700	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.5	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.47	20.47	20.45	22.0	0.0
Channel				501204	518598	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	20.37	20.58	20.53	22.0	0.0
Channel				500700	518598	536498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	20.38	20.51	20.41	22.0	0.0
Channel				500202	518598	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	20.43	20.47	20.55	22.0	0.0



Par27Q n77_Ant 8								
RW [MHz]	Modulation	RB Size	RB Offset	Power Low Cn / Freq	Power Middle Cn / Freq	Power High Cn / Freq	Turn-up inst. (dBm)	MPR (dB)
Channel								
100	PI2 BPSK	1	1	10.53	13.33			
100	PI2 BPSK	1	147	10.53			21.0	0.0
100	PI2 BPSK	1	231	10.58				
100	PI2 BPSK	136	61	10.58			21.0	0.0
100	PI2 BPSK	136	69	10.58			21.0	0.0
100	PI2 BPSK	136	158	10.57			21.0	0.0
100	PI2 BPSK	219	0	10.58				
100	QPSK	1	1	10.60				
100	QPSK	1	137	10.63				
100	QPSK	1	231	10.60				
100	QPSK	136	61	10.61				
100	QPSK	136	69	10.59				
100	QPSK	136	138	10.60			21.0	0.0
100	QPSK	219	0	10.58				
100	16QAM	1	1	10.58				
100	16QAM	1	1	10.58			21.0	0.0
100	16QAM	1	1	10.58			21.0	0.0
Channel								
	Frequency [MHz]			63300	63332	63366	Turn-up inst.	MPR
				3496	3498.58	3505.58	21.0	0.0
90	QPSK	1	1	19.57	19.58	19.46		
90	QPSK	1	1	19.57	19.58	19.46		
	Frequency [MHz]			3490.02	3498.96	3510	Turn-up inst.	MPR
				19.56	19.58	19.45	21.0	0.0
80	QPSK	1	1	19.56	19.58	19.45	21.0	0.0
80	QPSK	1	1	19.56	19.58	19.45	21.0	0.0
Channel								
	Frequency [MHz]			3488.13	3493.33	3503.33	Turn-up inst.	MPR
				3486.91	3498.18	3514.98	21.0	0.0
70	QPSK	1	1	19.47	19.53	19.48		
70	QPSK	1	1	19.47	19.53	19.48		
	Frequency [MHz]			3493.33	3498.18	3503.33	Turn-up inst.	MPR
				19.48	19.53	19.45	21.0	0.0
60	QPSK	1	1	19.54	19.60	19.55		
60	QPSK	1	1	19.54	19.60	19.55		
Channel								
	Frequency [MHz]			3496.68	3498.33	3500.00	Turn-up inst.	MPR
				3496.68	3498.33	3500.00	21.0	0.0
50	QPSK	1	1	19.49	19.53	19.45	21.0	0.0
50	QPSK	1	1	19.49	19.53	19.45	21.0	0.0
Channel								
	Frequency [MHz]			3503.33	3503.33	3503.33	Turn-up inst.	MPR
				3493.02	3498.96	3509.86	21.0	0.0
40	QPSK	1	1	19.56	19.53	19.53	21.0	0.0
40	QPSK	1	1	19.56	19.53	19.53	21.0	0.0
Channel								
	Frequency [MHz]			3510.00	3503.33	3506.66	Turn-up inst.	MPR
				3495	3498.58	3505.58	21.0	0.0
30	QPSK	1	1	19.47	19.50	19.45	21.0	0.0
30	QPSK	1	1	19.47	19.50	19.45	21.0	0.0
Channel								
	Frequency [MHz]			3506.68	3503.33	3506.68	Turn-up inst.	MPR
				3496.51	3498.33	3506.51	21.0	0.0
20	QPSK	1	1	19.57	19.58	19.50	21.0	0.0
20	QPSK	1	1	19.57	19.58	19.50	21.0	0.0
Channel								
	Frequency [MHz]			3502.02	3499.19	3505	Turn-up inst.	MPR
				19.56	19.51	19.55	21.0	0.0
15	QPSK	1	1	19.56	19.51	19.55	21.0	0.0
15	QPSK	1	1	19.56	19.51	19.55	21.0	0.0
Channel								
	Frequency [MHz]			630343	630332	630332	Turn-up inst.	MPR
				35010	35010	35010	21.0	0.0
10	QPSK	1	1	19.48	19.53	19.50	21.0	0.0

Par270 n77_Ant 9								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / High Ch	Power Middle Ch / High Ch	Power High Ch / High Ch	Tune-up limit (dBm)	MPdc (dB)
Channel								
Frequency (MHz)				370.0	0.0	21.08		
100	PSS-BPSK	1	20.78	21.02	21.08	21.08		
100	PSS-BPSK	1	21.17	20.78	21.02	21.03	22.0	0.0
100	PSS-BPSK	1	21.21	20.74	21.02	20.99		
100	PSS-BPSK	135	0	20.78	21.02	21.08		
100	PSS-BPSK	135	69	20.78	21.00	21.03	22.0	0.0
100	PSS-BPSK	135	138	20.78	21.02	21.05		
100	PSS-BPSK	270	0	20.80	21.04	21.08	22.0	0.0
100	QPSK	1	21.08	21.15	21.13			
100	QPSK	1	21.17	21.08	21.13	21.08	22.0	0.0
100	QPSK	1	21.21	20.75	20.98	21.00		
100	QPSK	135	0	20.80	21.06	21.05		
100	QPSK	135	69	20.80	21.13	21.11	22.0	0.0
100	QPSK	135	138	20.80	21.10	21.08		
100	QPSK	270	0	20.83	21.13	21.11	22.0	0.0
100	IQAMM	1	21.06	21.09	21.09	21.04	22.0	0.0
100	IQAMM	1	21.15	21.06	21.09	21.04	22.0	0.0
100	IQAMM	1	21.21	20.76	21.00	21.00	22.0	0.0
Channel								
Frequency (MHz)				546666	666000	665332	Tune-up limit	MPdc
90	QPSK	1	20.78	21.02	21.08	21.08		
90	QPSK	1	21.17	20.82	21.07	21.04	22.0	0.0
90	QPSK	1	21.21	20.78	21.02	20.99		
90	QPSK	135	0	20.78	21.00	21.03	22.0	0.0
90	QPSK	135	69	20.78	20.98	20.99		
90	QPSK	135	138	20.78	21.02	21.05		
90	QPSK	270	0	20.81	21.08	21.00	22.0	0.0
90	QPSK	1	20.80	21.03	21.03	21.03	Tune-up limit	MPdc
Frequency (MHz)				3735	3840	3844	(dBm)	
80	QPSK	1	20.81	21.08	21.00	21.00	22.0	0.0
80	QPSK	1	20.80	21.03	21.03	21.03	Tune-up limit	MPdc
Frequency (MHz)				3735	3840	3844	(dBm)	
70	QPSK	1	20.83	21.07	21.02	21.02	22.0	0.0
70	QPSK	1	20.82	21.04	21.03	21.03	Tune-up limit	MPdc
Frequency (MHz)				3735.02	3840	3843.98	(dBm)	
60	QPSK	1	20.77	21.08	21.00	21.01	22.0	0.0
60	QPSK	1	20.77	21.02	21.00	20.99		
60	QPSK	135	0	20.77	21.00	21.03	22.0	0.0
60	QPSK	135	69	20.77	20.98	20.99		
60	QPSK	135	138	20.77	21.02	21.05		
60	QPSK	270	0	20.77	21.08	21.00	22.0	0.0
60	QPSK	1	20.77	21.02	21.00	20.99		
60	QPSK	135	0	20.77	21.00	21.03	22.0	0.0
60	QPSK	135	69	20.77	20.98	20.99		
60	QPSK	135	138	20.77	21.02	21.05		
60	QPSK	270	0	20.77	21.08	21.00	22.0	0.0
60								

Par27O n77_Ant 10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 660000	Power Middle Ch. / Freq. 660000	Power High Ch. Ch. / Freq. 660000	
Channel							Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3790	3840	3930	
100	PI2 BPSK	1	1	23.80	23.54	23.82	
100	PI2 BPSK	1	137	23.77	23.84	23.73	25.0
100	PI2 BPSK	1	271	23.85	23.93	23.77	
100	PI2 BPSK	135	0	23.80	23.87	23.81	25.0
100	PI2 BPSK	135	69	23.83	23.93	23.77	25.0
100	PI2 BPSK	135	138	23.73	23.86	23.70	
100	PI2 BPSK	270	0	23.70	23.80	23.69	25.0
100	QPSK	1	1	23.97	24.13	24.12	
100	QPSK	1	137	23.74	23.79	23.82	25.0
100	QPSK	1	271	23.84	23.95	23.89	
100	QPSK	135	0	23.70	23.84	23.82	
100	QPSK	135	69	23.83	23.85	23.83	25.0
100	QPSK	135	138	23.79	23.79	23.81	
100	QPSK	270	0	23.66	23.68	23.65	25.0
100	ISDM	1	1	23.80	23.95	23.80	25.0
100	ISDM	1	1	23.70	23.98	23.73	25.0
100	SSB-AM	1	1	23.83	23.77	23.70	25.0
Channel				649668	660000	660302	Tune-up limit (dB) MPR
Frequency (MHz)				349500	349500	349500	
90	QPSK	1	1	23.71	24.07	24.02	25.0
Channel				649334	660000	660996	Tune-up limit (dB) MPR
Frequency (MHz)				338020	3640	3638.96	
80	QPSK	1	1	23.75	24.08	24.05	25.0
Channel				649000	660000	660900	Tune-up limit (dB) MPR
Frequency (MHz)				3705	3640	3640	
70	QPSK	1	1	23.76	24.01	23.90	25.0
Channel				648666	660000	660302	Tune-up limit (dB) MPR
Frequency (MHz)				3730.03	3640	3640.98	
60	QPSK	1	1	23.76	23.97	23.99	25.0
Channel				648334	660000	660996	Tune-up limit (dB) MPR
Frequency (MHz)				3726.97	3640	3640.99	
50	QPSK	1	1	23.81	23.90	24.00	25.0
Channel				648000	660000	660900	Tune-up limit (dB) MPR
Frequency (MHz)				3702	3640.00	3640.00	
40	QPSK	1	1	23.74	24.02	24.07	25.0
Channel				647668	660000	660302	Tune-up limit (dB) MPR
Frequency (MHz)				3713.52	24.06	24.01	
30	QPSK	1	1	23.79	24.06	24.01	25.0
Channel				647334	660000	660400	Tune-up limit (dB) MPR
Frequency (MHz)				3722	23.90	24.00	
25	QPSK	1	1	23.76	23.90	24.00	25.0
Channel				647000	660000	660400	Tune-up limit (dB) MPR
Frequency (MHz)				3716.90	3640	3640.99	
20	QPSK	1	1	23.77	24.03	24.09	25.0
Channel				646666	660000	660302	Tune-up limit (dB) MPR
Frequency (MHz)				3707.50	3640.00	3642.46	
15	QPSK	1	1	23.76	24.02	23.96	25.0
Channel				646334	660000	660996	Tune-up limit (dB) MPR
Frequency (MHz)				3700	3640	3639.99	
10	QPSK	1	1	23.72	24.06	24.02	25.0

Par27Q n77_Ant 10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3499.98	633332	633332	
100	PI2 BPSK	1	1		23.52		
100	PI2 BPSK	1	137		23.45		25.0
100	PI2 BPSK	1	271		23.64		
100	PI2 BPSK	135	0		23.36		25.0
100	PI2 BPSK	135	69		23.47		25.0
100	PI2 BPSK	135	138		23.48		
100	PI2 BPSK	270	0		23.47		25.0
100	QPSK	1	1		23.65		
100	QPSK	1	137		23.34		25.0
100	QPSK	1	271		23.64		
100	QPSK	135	0		23.47		
100	QPSK	135	69		23.46		25.0
100	QPSK	135	138		23.44		
100	QPSK	270	0		23.33		25.0
100	ISDM	1	1		23.54		25.0
100	ISDM	1	1		23.53		25.0
100	SSB-AM	1	1		22.29		25.0
Channel				633000	633332	633666	Tune-up limit (dBm) MPR (dB)
Frequency (MHz)				3499.98	633666	633666	
90	QPSK	1	1	23.52	23.45	23.57	25.0
Channel				632996	633332	634000	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3480.00	3499.98	3500.00 <td></td>	
80	QPSK	1	1	23.47	23.31	23.49	25.0
Channel				632334	633332	634332	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3465.91	3499.98	3504.98 <td></td>	
70	QPSK	1	1	23.42	23.33	23.50	25.0
Channel				632000	633332	634666	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3480.00	3499.98	3504.99 <td></td>	
60	QPSK	1	1	23.37	23.24	23.51	25.0
Channel				631666	633332	635000	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3470.02	3499.98	3505.00 <td></td>	
50	QPSK	1	1	23.37	23.24	23.51	25.0
Channel				631334	633332	635332	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3470.01	3499.98	3505.98 <td></td>	
40	QPSK	1	1	23.43	23.31	23.47	25.0
Channel				631000	633332	635666	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3470.00	3499.98	3506.98 <td></td>	
30	QPSK	1	1	23.43	23.35	23.49	25.0
Channel				630666	633332	636000	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3470.01	3499.98	3506.98 <td></td>	
25	QPSK	1	1	23.47	23.33	23.51	25.0
Channel				630334	633332	636332	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3460.00	3499.98	3506.98 <td></td>	
20	QPSK	1	1	23.44	23.39	23.42	25.0
Channel				630000	633332	636666	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3460.00	3499.98	3506.98 <td></td>	
15	QPSK	1	1	23.39	23.35	23.45	25.0
Channel				629666	633332	637000	Tune-up limit (dB) MPR (dB)
Frequency (MHz)				3460.01	3499.98	3504.98 <td></td>	
10	QPSK	1	1	23.38	23.35	23.51	25.0



n2_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)				375000	376000	380000			
20	P12 BPSK	1	1	20.35	20.40	20.35			
20	P12 BPSK	1	53	20.35	20.41	20.35	21.5	0.0	
20	P12 BPSK	1	104	20.35	20.41	20.35			
20	P12 BPSK	50	0	20.35	20.47	20.35	21.5	0.0	
20	P12 BPSK	50	28	20.35	20.37	20.34	21.5	0.0	
20	P12 BPSK	50	58	20.40	20.35	20.41	21.5	0.0	
20	P12 BPSK	100	0	20.40	20.37	20.37	21.5	0.0	
20	QPSK	1	1	20.40	20.35	20.40			
20	QPSK	1	53	20.35	20.44	20.34	21.5	0.0	
20	QPSK	1	104	20.35	20.47	20.35			
20	QPSK	50	0	20.40	20.40	20.35	21.5	0.0	
20	QPSK	50	28	20.40	20.35	20.40	21.5	0.0	
20	QPSK	50	58	20.35	20.40	20.37	21.5	0.0	
20	QPSK	100	0	20.40	20.40	20.41	21.5	0.0	
20	16QAM	1	1	20.35	20.37	20.40	21.5	0.0	
20	16QAM	1	1	20.35	20.35	20.35	21.5	0.0	
20	256QAM	1	1	19.40	19.50	19.44	20.5	1.0	
Channel									
Frequency (MHz)				375000	376000	380000			
15	QPSK	1	1	20.40	20.41	20.39	21.5	0.0	
Channel									
Frequency (MHz)				375000	376000	380000			
10	QPSK	1	1	20.37	20.41	20.35	21.5	0.0	
Channel									
Frequency (MHz)				375000	376000	380000			
5	QPSK	1	1	20.40	20.37	20.34	21.5	0.0	

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37000	37000	38000			
20	P12 BPSK	1	1	12.02	12.04	12.05			
20	P12 BPSK	1	53	12.03	12.04	12.05			
20	P12 BPSK	1	104	12.03	12.03	12.05	14.0	0.0	
20	P12 BPSK	50	0	12.05	12.05	12.03	14.0	0.0	
20	P12 BPSK	50	28	12.05	12.00	12.02	14.0	0.0	
20	P12 BPSK	50	58	12.00	12.03	12.05	14.0	0.0	
20	P12 BPSK	100	0	12.07	12.05	12.07	14.0	0.0	
20	QPSK	1	1	13.05	13.05	13.03			
20	QPSK	1	53	13.05	13.07	13.01	14.0	0.0	
20	QPSK	1	104	13.05	13.02	13.02			
20	QPSK	50	0	12.05	13.00	12.05	14.0	0.0	
20	QPSK	50	28	12.03	13.05	12.01	14.0	0.0	
20	QPSK	50	58	12.05	13.07	12.01	14.0	0.0	
20	QPSK	100	0	12.05	13.02	12.05	14.0	0.0	
20	16QAM	1	1	12.04	12.05	12.05	14.0	0.0	
20	16QAM	1	1	12.00	12.04	12.07	14.0	0.0	
20	256QAM	1	1	12.03	13.01	12.05	14.0	0.0	
Channel									
Frequency (MHz)				91500	91500	92000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	12.00	12.01	12.05	14.0	0.0	
Channel									
Frequency (MHz)				1800	1800	1800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	12.01	12.03	12.05	14.0	0.0	
Channel									
Frequency (MHz)				37000	37000	38000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	12.02	12.04	12.05	14.0	0.0	

n2_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Channel	Power Middle Channel	Power High Channel	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	P12 BPSK	1	1	17.00	17.04	17.07			
20	P12 BPSK	1	53	17.01	17.36	17.31	19.0		0.0
20	P12 BPSK	1	104	17.05	17.41	17.30			
20	P12 BPSK	50	0	17.01	17.35	17.37	19.0		0.0
20	P12 BPSK	50	28	17.41	17.32	17.30	19.0		0.0
20	P12 BPSK	50	58	17.41	17.42	17.44	19.0		0.0
20	P12 BPSK	100	0	17.35	17.37	17.37	19.0		0.0
20	QPSK	1	1	17.40	17.40	17.41			
20	QPSK	1	53	17.34	17.35	17.25	19.0		0.0
20	QPSK	1	104	17.35	17.43	17.37			
20	QPSK	50	0	17.32	17.41	17.35	19.0		0.0
20	QPSK	50	28	17.43	17.45	17.41	19.0		0.0
20	QPSK	50	58	17.35	17.43	17.35	19.0		0.0
20	QPSK	100	0	17.40	17.42	17.35	19.0		0.0
20	16QAM	1	1	17.34	17.35	17.25	19.0		0.0
20	16QAM	1	1	17.32	17.35	17.37	19.0		0.0
20	256QAM	1	1	17.41	17.42	17.37	19.0		0.0
Channel									
Frequency (MHz)				1800	1800	1800	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	17.34	17.33	17.35	19.0		0.0
Channel									
Frequency (MHz)				1800	1800	1800	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	17.37	17.39	17.35	19.0		0.0
Channel									
Frequency (MHz)				1800	1800	1800	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	17.35	17.42	17.34	19.0		0.0



n5_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]		
Channel				166600	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				836	836.5	837		
20	P12 BPSK	1	1	22.00	22.03	21.98	23.5	0.0
20	P12 BPSK	1	53	22.06	22.08	22.03		
20	P12 BPSK	1	104	22.05	22.03	22.02		
20	P12 BPSK	56	0	21.99	22.10	22.02		
20	P12 BPSK	56	28	21.97	22.00	22.07		
20	P12 BPSK	56	56	21.99	22.04	21.98		
20	P12 BPSK	100	0	22.04	22.09	21.97	23.5	0.0
20	QPSK	1	1	22.11	22.06	22.13	23.5	0.0
20	QPSK	1	53	21.99	22.11	22.04		
20	QPSK	1	104	22.04	22.08	22.03		
20	QPSK	56	0	21.97	22.06	22.02		
20	QPSK	56	28	22.08	22.13	22.11		
20	QPSK	56	56	21.99	22.09	22.02		
20	QPSK	100	0	22.06	22.10	22.08	23.5	0.0
20	16QAM	1	1	22.01	22.00	22.00	23.5	0.0
20	16QAM	1	1	22.02	22.03	21.99		
20	256QAM	1	1	20.14	20.25	20.11	21.5	2.0
Channel				166500	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.0	836.5	841.5		
15	QPSK	1	1	21.98	22.07	22.07	23.5	0.0
Channel				166500	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				830	836.5	841		
10	QPSK	1	1	21.91	22.11	21.99	23.5	0.0
Channel				166500	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				829.5	836.5	841.5		
5	QPSK	1	1	22.02	22.10	21.99	23.5	0.0

n5_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power	Power	Power	Turn-up limit (dBm)	MPR (dB)
				Low Ch. F [MHz]	Midle Ch. F [MHz]	High Ch. F [MHz]		
Channel				166800	167300	167900	19.5	0.0
Frequency (MHz)				834	836.5	839		
20	P12 BPSK	1	1	18.06	18.07	18.05		
20	P12 BPSK	1	53	18.06	18.07	18.03		
20	P12 BPSK	1	104	18.03	18.01	18.03		
20	P12 BPSK	56	0	17.99	18.11	18.07	19.5	0.0
20	P12 BPSK	56	28	18.04	18.02	17.98	19.5	0.0
20	P12 BPSK	56	56	18.02	18.09	18.04	19.5	0.0
20	P12 BPSK	100	0	17.97	18.11	18.03	19.5	0.0
20	QPSK	1	1	18.11	18.05	18.13		
20	QPSK	1	53	18.04	18.02	18.01	19.5	0.0
20	QPSK	1	104	17.97	18.02	18.08	19.5	0.0
20	QPSK	56	0	18.00	18.07	18.02	19.5	0.0
20	QPSK	56	28	18.11	18.14	18.12	19.5	0.0
20	QPSK	56	56	17.99	18.03	18.04	19.5	0.0
20	QPSK	100	0	18.09	18.12	18.19	19.5	0.0
20	16QAM	1	1	17.97	18.01	18.00	19.5	0.0
20	16QAM	1	1	18.05	18.04	18.05	19.5	0.0
20	256QAM	1	1	17.98	18.04	17.99	18.5	0.0
Channel				166700	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				833.5	836.5	841.5		
15	QPSK	1	1	18.04	18.05	18.01	19.5	0.0
Channel				166700	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				832	836.5	841		
10	QPSK	1	1	18.04	18.08	18.07	19.5	0.0
Channel				166800	167300	167900	Turn-up limit (dBm)	MPR (dB)
Frequency (MHz)				833.5	836.5	841.5		
5	QPSK	1	1	18.04	18.10	18.10	19.5	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F [MHz]	Power Midle Ch. F [MHz]	Power High Ch. F [MHz]	Turn-up limit (dBm)	MPR (dB)
Channel				50400	50700	51000		
Frequency (MHz)								
40	P12 BPSK	1	1	20.76	20.78	20.81		
40	P12 BPSK	1	108	20.74	20.80	20.87	22.0	0
40	P12 BPSK	1	214	20.79	20.80	20.86		
40	P12 BPSK	108	0	20.78	20.90	20.84		
40	P12 BPSK	108	54	20.73	20.82	20.88		
40	P12 BPSK	108	108	20.80	20.87	20.83		
40	P12 BPSK	216	0	20.77	20.81	20.80		
40	QPSK	1	1	20.80	20.95	20.92		
40	QPSK	1	108	20.77	20.83	20.88	22.0	0
40	QPSK	1	214	20.80	20.90	20.79		
40	QPSK	108	0	20.78	20.81	20.82		
40	QPSK	108	54	20.83	20.92	20.90		
40	QPSK	108	108	20.71	20.81	20.83		
40	QPSK	216	0	20.81	20.90	20.88		
40	16QAM	1	1	20.74	20.80	20.83		
40	16QAM	1	1	20.78	20.85	20.79		
40	256QAM	1	1	19.45	19.57	19.44	-20.5	-1.5
Channel				50300	50700	51000		
Frequency (MHz)								
30	QPSK	1	1	20.79	20.90	20.77	22.0	0
Channel				50200	50700	51000		
Frequency (MHz)								
25	QPSK	1	1	20.77	20.79	20.80		
Channel				50500	50700	51000		
Frequency (MHz)								
20	QPSK	1	1	20.72	20.80	20.82	22.0	0
Channel				50600	50700	51000		
Frequency (MHz)								
15	QPSK	1	1	20.69	20.86	20.84		
Channel				50700	50700	51000		
Frequency (MHz)								
10	QPSK	1	1	20.72	20.83	20.78	22.0	0
Channel				50700	50700	51000		
Frequency (MHz)								
5	QPSK	1	1	20.79	20.83	20.79	22.0	0
Channel				50800	50700	51000		
Frequency (MHz)								
5	QPSK	1	1	20.69	20.81	20.78	22.0	0



n7_Ant 2												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
40	P12 BPSK	1	1	11.53	11.53	11.81	13.0	0.0				
40	P12 BPSK	1	108	11.75	11.91	11.85						
40	P12 BPSK	1	214	11.73	11.84	11.88						
40	P12 BPSK	108	0	11.80	11.93	11.82	13.0	0.0				
40	P12 BPSK	108	54	11.76	11.92	11.82	13.0	0.0				
40	P12 BPSK	108	108	11.73	11.90	11.85	13.0	0.0				
40	P12 BPSK	216	0	11.75	11.83	11.77	13.0	0.0				
40	QPSK	1	1	11.86	11.98	11.93						
40	QPSK	1	108	11.75	11.93	11.84						
40	QPSK	1	214	11.75	11.88	11.84	13.0	0.0				
40	QPSK	108	0	11.75	11.82	11.85						
40	QPSK	108	54	11.80	11.95	11.83						
40	QPSK	108	108	11.76	11.90	11.86	13.0	0.0				
40	QPSK	216	0	11.80	11.93	11.81	13.0	0.0				
40	16QAM	1	1	11.76	11.93	11.84	13.0	0.0				
40	16QAM	1	1	11.80	11.85	11.83						
40	256QAM	1	1	11.75	11.82	11.80						
Channel												
Frequency (MHz)												
30	QPSK	1	1	25.19	25.35	25.55	25.0	0.0				
30	QPSK	1	1	25.15	25.86	25.88						
30	QPSK	1	1	25.20	25.70	25.72						
20	QPSK	1	1	25.13	25.33	25.57	25.0	0.0				
20	QPSK	1	1	25.17	25.87	25.89						
20	QPSK	1	1	25.19	25.87	25.89						
Channel												
Frequency (MHz)												
10	QPSK	1	1	50.000	50.000	51.000	Turn-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	50.000	50.000	51.000						
20	QPSK	1	1	50.000	50.000	51.000						
Channel												
Frequency (MHz)												
10	QPSK	1	1	50.000	50.000	51.000	Turn-up limit (dBm)	MPR (dB)				
20	QPSK	1	1	50.000	50.000	51.000						
20	QPSK	1	1	50.000	50.000	51.000						
Channel												
Frequency (MHz)												
5	QPSK	1	1	250.0	250.0	250.0	Turn-up limit (dBm)	MPR (dB)				
5	QPSK	1	1	250.0	250.0	250.0						
5	QPSK	1	1	250.0	250.0	250.0						

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									
Frequency (MHz)									
10	P12 BPSK	1	1	23.40	23.47	23.47	25.0	0.0	
10	P12 BPSK	1	40	23.42	23.51	23.49			
10	P12 BPSK	1	77	23.47	23.42	23.45			
10	P12 BPSK	36	0	23.46	23.47	23.41	25.0	0.0	
10	P12 BPSK	36	22	23.44	23.52	23.45	25.0	0.0	
10	P12 BPSK	36	43	23.47	23.53	23.39	25.0	0.0	
10	P12 BPSK	75	0	23.37	23.42	23.42	25.0	0.0	
10	QPSK	1	1	23.39	23.48	23.45			
10	QPSK	1	40	23.39	23.46	23.43			
10	QPSK	1	77	23.43	23.46	23.49	25.0	0.0	
10	QPSK	36	0	23.40	23.46	23.47			
10	QPSK	36	22	23.50	23.55	23.53			
10	QPSK	36	43	23.41	23.48	23.45	25.0	0.0	
10	QPSK	75	0	23.46	23.52	23.50	25.0	0.0	
10	16QAM	1	1	23.02	23.13	23.07	23.5	1.5	
10	256QAM	1	1	19.06	20.04	19.04	21.5	3.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.000	14.000	14.200	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.015	14.000	14.200	Tune-up limit	MPR	
5	QPSK	1	1	23.43	23.52	23.44	25.0	0.0	

n12_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	P12 BPSK	1	1	19.45	19.54	19.50	21.0	0.0	
10	P12 BPSK	1	40	19.49	19.43	19.46			
10	P12 BPSK	1	77	19.47	19.54	19.46			
10	P12 BPSK	36	0	19.47	19.46	19.43	21.0	0.0	
10	P12 BPSK	36	22	19.49	19.51	19.39	21.0	0.0	
10	P12 BPSK	36	43	19.47	19.44	19.46	21.0	0.0	
10	P12 BPSK	75	0	19.47	19.43	19.37	21.0	0.0	
10	QPSK	1	1	19.56	19.50	19.53			
10	QPSK	1	40	19.44	19.45	19.37			
10	QPSK	1	77	19.44	19.49	19.43	21.0	0.0	
10	QPSK	36	0	19.49	19.52	19.43			
10	QPSK	36	22	19.55	19.57	19.52			
10	QPSK	36	43	19.49	19.53	19.43	21.0	0.0	
10	QPSK	75	0	19.52	19.53	19.50	21.0	0.0	
10	16QAM	1	1	19.42	19.46	19.41	21.0	0.0	
10	16QAM	1	1	19.40	19.50	19.45	21.0	0.0	
10	256QAM	1	1	19.44	19.51	19.43	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.40	19.52	19.39	21.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	19.47	19.53	19.37	21.0	0.0	



n25_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				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)
40	PV2 BPSK	1	1	20.97	21.01	20.91	21.5	0.0
40	PV2 BPSK	1	108	20.92	20.99	20.88	21.5	0.0
40	PV2 BPSK	1	214	20.97	20.99	20.87	21.5	0.0
40	PV2 BPSK	108	0	20.97	20.96	20.94	21.5	0.0
40	PV2 BPSK	108	54	20.96	21.01	20.91	21.5	0.0
40	PV2 BPSK	108	108	20.97	21.01	20.87	21.5	0.0
40	PV2 BPSK	216	0	20.96	21.03	20.89	21.5	0.0
40	QPSK	1	1	21.00	21.00	21.00	21.5	0.0
40	QPSK	1	108	20.95	21.02	20.87	21.5	0.0
40	QPSK	1	214	20.97	20.97	20.89	21.5	0.0
40	QPSK	108	0	20.97	20.92	20.95	21.5	0.0
40	QPSK	108	54	21.00	21.05	21.00	21.5	0.0
40	QPSK	108	108	20.96	21.03	20.94	21.5	0.0
40	QPSK	216	0	21.00	21.03	20.98	21.5	0.0
40	16QAM	1	1	20.98	20.98	20.98	21.5	0.0
40	16QAM	1	1	20.98	20.98	20.98	21.5	0.0
40	256QAM	1	1	19.89	19.78	19.67	20.5	1.0
Channel				375000	376500	378000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.92	21.00	20.95	21.5	0.0
Channel				372500	376000	380000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.93	21.01	20.87	21.5	0.0
Channel				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.90	20.92	20.89	21.5	0.0
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)
16	QPSK	1	1	20.93	21.01	20.93	21.5	0.0
Channel				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.91	21.00	20.87	21.5	0.0
Channel				375000	376000	382000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	20.98	20.98	20.94	21.5	0.0

n25_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)							Tune-up limit (dBm)	MPR (dB)
40	PV2 BPSK	1	1	13.41	13.48	13.42	14.0	0.0
40	PV2 BPSK	1	108	13.47	13.43	13.39	14.0	0.0
40	PV2 BPSK	1	214	13.41	13.48	13.44	14.0	0.0
40	PV2 BPSK	108	0	13.43	13.39	13.39	14.0	0.0
40	PV2 BPSK	108	54	13.43	13.48	13.35	14.0	0.0
40	PV2 BPSK	108	108	13.47	13.44	13.43	14.0	0.0
40	PV2 BPSK	216	0	13.45	13.40	13.39	14.0	0.0
40	QPSK	1	1	13.43	13.40	13.41	14.0	0.0
40	QPSK	1	108	13.46	13.46	13.35	14.0	0.0
40	QPSK	1	214	13.48	13.39	13.46	14.0	0.0
40	QPSK	108	0	13.42	13.43	13.43	14.0	0.0
40	QPSK	108	54	13.51	13.53	13.49	14.0	0.0
40	QPSK	108	108	13.40	13.48	13.46	14.0	0.0
40	QPSK	216	0	13.49	13.59	13.47	14.0	0.0
40	16QAM	1	1	13.46	13.39	13.35	14.0	0.0
40	16QAM	1	1	13.44	13.44	13.45	14.0	0.0
40	256QAM	1	1	13.44	13.30	13.38	14.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)				375000	376000	380000		
30	QPSK	1	1	13.47	13.44	13.37	14.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)				1882.5	1882.5	1901.5		
20	QPSK	1	1	13.47	13.45	13.37	14.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)				375000	376000	381000		
20	QPSK	1	1	13.39	13.45	13.37	14.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)				371500	376000	381500		
16	QPSK	1	1	13.40	13.40	13.43	14.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)				375000	376000	382000		
16	QPSK	1	1	13.44	13.41	13.43	14.0	0.0
Channel							Tune-up limit	MPR
Frequency (MHz)				1882.5	1882.5	1912.5		
5	QPSK	1	1	13.42	13.40	13.36	14.0	0.0

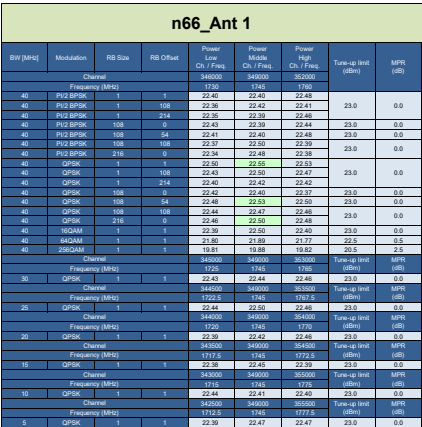
n25_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)
40	PV2 BPSK	1	1	17.43	17.43	17.48	18.0	0.0
40	PV2 BPSK	1	108	17.41	17.48	17.45	18.0	0.0
40	PV2 BPSK	1	214	17.43	17.43	17.43	18.0	0.0
40	PV2 BPSK	108	0	17.42	17.49	17.37	18.0	0.0
40	PV2 BPSK	108	54	17.41	17.42	17.39	18.0	0.0
40	PV2 BPSK	108	108	17.39	17.47	17.45	18.0	0.0
40	PV2 BPSK	216	0	17.39	17.41	17.45	18.0	0.0
40	QPSK	1	1	17.51	17.56	17.53	18.0	0.0
40	QPSK	1	108	17.39	17.42	17.37	18.0	0.0
40	QPSK	1	214	17.37	17.45	17.39	18.0	0.0
40	QPSK	108	0	17.38	17.41	17.45	18.0	0.0
40	QPSK	108	54	17.48	17.53	17.50	18.0	0.0
40	QPSK	108	108	17.36	17.50	17.37	18.0	0.0
40	QPSK	216	0	17.45	17.58	17.48	18.0	0.0
40	16QAM	1	1	17.43	17.46	17.42	18.0	0.0
40	16QAM	1	1	17.41	17.41	17.38	18.0	0.0
40	256QAM	1	1	17.39	17.42	17.40	18.0	0.0
Channel								
Frequency (MHz)				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.42	17.44	17.41	18.0	0.0
Channel								
Frequency (MHz)				1882.5	1882.5	1901.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.35	17.50	17.43	18.0	0.0
Channel								
Frequency (MHz)				375000	376000	381000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.37	17.45	17.42	18.0	0.0
Channel								
Frequency (MHz)				1882.5	1882.5	1901.5	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.42	17.45	17.39	18.0	0.0
Channel								
Frequency (MHz)				375000	376000	380000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.43	17.46	17.37	18.0	0.0
Channel								
Frequency (MHz)				375000	376000	382000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	17.38	17.45	17.47	18.0	0.0



n30_Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	23.0			
10	P1/2 BPSK	1	26	15.3			
10	P1/2 BPSK	1	26	16.67		18.0	0.0
10	P1/2 BPSK	1	50	16.69			
10	P1/2 BPSK	25	0	16.67		18.0	0.0
10	P1/2 BPSK	25	14	16.67		18.0	0.0
10	P1/2 BPSK	25	27	16.65			
10	P1/2 BPSK	50	0	16.68		18.0	0.0
10	QPSK	1	1	16.72		18.0	0.0
10	QPSK	1	26	16.71			
10	QPSK	1	50	16.72			
10	QPSK	25	0	16.72		18.0	0.0
10	QPSK	25	14	16.72		18.0	0.0
10	QPSK	25	27	16.72			
10	QPSK	50	0	16.71		18.0	0.0
10	16QAM	1	1	16.84		18.0	0.0
10	16QAM	1	1	16.85		18.0	0.0
10	256QAM	1	1	16.87		18.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	18.0
5	QPSK	1	1	16.54	16.68	16.69	0.0

n30_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	21.6	13.73		
10	P1/2 BPSK	1	26	11.65			
10	P1/2 BPSK	1	50	11.68		13.0	0.0
10	P1/2 BPSK	25	0	11.72		13.0	0.0
10	P1/2 BPSK	25	14	11.70		13.0	0.0
10	P1/2 BPSK	25	27	11.72			
10	P1/2 BPSK	50	0	11.72		13.0	0.0
10	QPSK	1	1	11.73			
10	QPSK	1	26	11.68		13.0	0.0
10	QPSK	1	50	11.67			
10	QPSK	25	0	11.69		13.0	0.0
10	QPSK	25	14	11.76		13.0	0.0
10	QPSK	25	27	11.73			
10	QPSK	50	0	11.69		13.0	0.0
10	16QAM	1	1	11.70		13.0	0.0
10	16QAM	1	1	11.69		13.0	0.0
10	256QAM	1	1	11.72		13.0	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	18.0
5	QPSK	1	1	11.70	11.73	11.69	0.0

n30_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR [dB]
Channel							
Frequency [MHz]							
10	P1/2 BPSK	1	1	21.6	14.78		
10	P1/2 BPSK	1	26	14.73			
10	P1/2 BPSK	1	50	14.72		16.5	0.0
10	P1/2 BPSK	25	0	14.74		16.5	0.0
10	P1/2 BPSK	25	14	14.69		16.5	0.0
10	P1/2 BPSK	25	27	14.69			
10	P1/2 BPSK	50	0	14.73		16.5	0.0
10	QPSK	1	1	14.82			
10	QPSK	1	26	14.78		16.5	0.0
10	QPSK	1	50	14.72			
10	QPSK	25	0	14.69		16.5	0.0
10	QPSK	25	14	14.83		16.5	0.0
10	QPSK	25	27	14.76			
10	QPSK	50	0	14.88		16.5	0.0
10	16QAM	1	1	14.76		16.5	0.0
10	16QAM	1	1	14.69		16.5	0.0
10	256QAM	1	1	14.71		16.5	0.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	2307.5	2310	2312.5	18.0
5	QPSK	1	1	14.78	14.80	14.75	0.0



n66_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low [dBm]	Power Middle [dBm]	Power High [dBm]	Time-up (ms) (offset)	MPR (dB)
Channel								
40	Pilot BPSK -	1	13.37	13.51	13.41			
40	Pilot BPSK -	1	1068	13.40	13.53	13.45	14.0	0.0
40	Pilot BPSK -	1	2047	13.40	13.53	13.45	14.0	0.0
40	Pilot BPSK -	168	0	13.47	13.43	13.48	14.0	0.0
40	Pilot BPSK -	168	54	13.44	13.47	13.39	14.0	0.0
40	Pilot BPSK -	168	108	13.47	13.43	13.41	14.0	0.0
40	Pilot BPSK -	216	0	13.46	13.42	13.45	14.0	0.0
40	GPSSK -	1	13.55	13.55	13.55			
40	GPSSK -	1	1068	13.46	13.48	13.39	14.0	0.0
40	GPSSK -	1	214	13.37	13.42	13.46		
40	GPSSK -	168	0	13.45	13.45	13.39	14.0	0.0
40	GPSSK -	168	54	13.51	13.55	13.35	14.0	0.0
40	GPSSK -	168	108	13.43	13.43	13.41	14.0	0.0
40	GPSSK -	216	0	13.48	13.53	13.50	14.0	0.0
40	8QAM -	1	13.36	13.51	13.45	14.0	0.0	
40	25QAM -	1	13.39	13.47	13.49	14.0	0.0	
Channel								
30	GPSSK -	1	13.44	13.44	13.44	14.0	0.0	
30	GPSSK -	1	1068	13.46	13.50	13.46	14.0	0.0
30	GPSSK -	1	2047	13.46	13.50	13.46	14.0	0.0
30	GPSSK -	1	25	13.40	13.43	13.41	14.0	0.0
30	GPSSK -	1	3400	13.50	13.50	13.50	14.0	0.0
30	GPSSK -	1	13.42	13.46	13.43	14.0	0.0	
Channel								
20	GPSSK -	1	17.75	17.86	17.73	14.0	0.0	
15	GPSSK -	1	13.40	13.52	13.44	14.0	0.0	
15	GPSSK -	1	1068	13.49	13.54	13.49	14.0	0.0
15	GPSSK -	1	2047	13.48	13.52	13.48	14.0	0.0
15	GPSSK -	1	13.42	13.48	13.47	14.0	0.0	
15	GPSSK -	1	13.46	13.48	13.46	14.0	0.0	
15	GPSSK -	1	17.75	17.86	17.73	14.0	0.0	
5	GPSSK -	1	13.48	13.48	13.48	14.0	0.0	

n66_Ant 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch [dBm]	Power Middle Ch [dBm]	Power High Ch [dBm]	Turn-up point [dBm]	MPE [dB]
Channel								
40	P13 BPSK	1	0	17.70	17.70	17.70		
40	P13 BPSK	1	16.8	19.12	19.12	19.12		
40	P13 BPSK	1	168	19.87	19.86	19.86	21.5	0.0
40	P13 BPSK	1	216	19.87	19.86	19.86	21.5	0.0
40	P13 BPSK	168	0	19.30	19.87	19.78	21.5	0.0
40	P13 BPSK	168	64	19.86	19.87	19.87	21.5	0.0
40	P13 BPSK	168	128	19.86	19.87	19.87	21.5	0.0
40	P13 BPSK	216	0	19.87	19.83	19.83	21.5	0.0
40	QPSK	1	0	19.65	19.65	19.65		
40	QPSK	1	168	19.86	19.91	19.87	21.5	0.0
40	QPSK	1	216	19.86	19.84	19.79	21.5	0.0
40	QPSK	168	0	19.88	19.91	19.81	21.5	0.0
40	QPSK	168	64	19.93	19.95	19.91	21.5	0.0
40	QPSK	168	128	19.93	19.95	19.91	21.5	0.0
40	QPSK	216	0	19.90	19.92	19.89	21.5	0.0
40	8QAM	1	0	19.59	19.59	19.59	21.5	0.0
40	8QAM	1	1	19.59	19.59	19.59	21.5	0.0
40	25QAM	1	1	19.27	19.35	19.27	21.5	1.5
Channel								
Frequency (MHz)								
30	QPSK	1	0	17.72	17.72	17.72		
30	QPSK	1	16.8	19.16	19.16	19.16	21.5	0.0
30	QPSK	1	168	19.65	19.65	19.65	21.5	0.0
30	QPSK	1	216	19.65	19.65	19.65	21.5	0.0
30	QPSK	168	0	19.65	19.65	19.65	21.5	0.0
30	QPSK	168	64	19.65	19.65	19.65	21.5	0.0
30	QPSK	168	128	19.65	19.65	19.65	21.5	0.0
30	QPSK	216	0	19.65	19.65	19.65	21.5	0.0
30	QPSK	1	0	19.88	19.85	19.79	21.5	0.0
30	QPSK	1	16.8	19.75	19.76	19.75	21.5	0.0
30	QPSK	1	168	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	216	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	64	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	128	19.81	19.88	19.82	21.5	0.0
30	QPSK	216	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	16.8	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	168	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	216	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	64	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	128	19.81	19.88	19.82	21.5	0.0
30	QPSK	216	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	16.8	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	168	19.81	19.88	19.82	21.5	0.0
30	QPSK	1	216	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	0	19.81	19.88	19.82	21.5	0.0
30	QPSK	168	64	19.81	19.88	19.82	21.5</	

n71_Ant 0							
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]				67.1	67.6	68	
20	PI2 BPSK	1	1	23.52	23.62	23.65	
20	PI2 BPSK	1	53	22.92	23.02	22.95	24.5
20	PI2 BPSK	1	104	22.92	23.02	23.02	
20	PI2 BPSK	50	0	22.97	23.08	23.05	24.5
20	PI2 BPSK	50	28	23.02	23.02	22.96	24.5
20	PI2 BPSK	50	56	22.94	23.05	23.04	
20	PI2 BPSK	100	0	23.01	23.05	22.99	24.5
20	QPSK	1	1	23.02	23.02	23.1	
20	QPSK	1	53	22.98	23.00	23.02	24.5
20	QPSK	1	104	22.97	23.02	23.02	
20	QPSK	50	0	23.02	23.02	22.97	24.5
20	QPSK	50	28	23.05	23.12	23.10	24.5
20	QPSK	50	56	23.04	23.02	23.05	
20	QPSK	100	0	23.03	23.10	23.08	24.5
20	16QAM	1	1	22.96	23.02	22.99	24.5
20	16QAM	1	1	23.14	23.05	23.10	23.5
20	256QAM	1	1	19.73	19.83	19.72	21.5
Channel				134600	136100	137600	
Frequency [MHz]				676.5	680.5	680.5	
15	PI2 BPSK	1	1	22.98	23.00	23.02	24.5
Channel				134600	136100	137600	
Frequency [MHz]				676	680.5	680	
10	PI2 BPSK	1	1	22.98	23.00	23.00	24.5
Channel				133100	136100	139100	
Frequency [MHz]				662.1	676.5	690.9	
5	PI2 BPSK	1	1	23.04	23.05	22.95	24.5

n71_Ant 2							
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]				67.1	680.5	678	
20	PI2 BPSK	1	1	23.52	23.17	23.49	
20	PI2 BPSK	1	53	23.39	23.60	23.52	
20	PI2 BPSK	1	104	23.41	23.50	23.51	25.0
20	PI2 BPSK	50	0	23.42	23.58	23.51	25.0
20	PI2 BPSK	50	28	23.37	23.58	23.54	25.0
20	PI2 BPSK	50	56	23.41	23.37	23.55	25.0
20	PI2 BPSK	100	0	23.41	23.58	23.54	
20	QPSK	1	1	23.50	23.65	23.60	
20	QPSK	1	53	23.45	23.57	23.55	25.0
20	QPSK	1	104	23.34	23.49	23.48	
20	QPSK	50	0	23.42	23.51	23.50	25.0
20	QPSK	50	28	23.48	23.63	23.58	25.0
20	QPSK	50	56	23.56	23.50	23.55	25.0
20	QPSK	100	0	23.42	23.55	23.59	
20	16QAM	1	1	23.38	23.52	23.38	25.0
20	16QAM	1	1	23.14	23.05	23.10	23.5
20	256QAM	1	1	19.73	19.83	19.72	21.5
Channel				134600	136100	137600	
Frequency [MHz]				676.5	680.5	680.5	
15	PI2 BPSK	1	1	23.38	23.50	23.44	25.0
Channel				134600	136100	137600	
Frequency [MHz]				676	680.5	681	
10	PI2 BPSK	1	1	23.36	23.53	23.48	25.0
Channel				133100	136100	139100	
Frequency [MHz]				662.1	680.5	692.1	
5	PI2 BPSK	1	1	23.42	23.14	23.17	25.0

n41_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506202	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	19.43	19.47	19.50			
100	PV2 BPSK	1	137	19.51	19.50	19.48	21.0	0.0	
100	PV2 BPSK	1	271	19.51	19.46	19.54			
100	PV2 BPSK	135	0	19.53	19.50	19.48	21.0	0.0	
100	PV2 BPSK	135	69	19.46	19.49	19.54	21.0	0.0	
100	PV2 BPSK	135	138	19.45	19.49	19.52	21.0	0.0	
100	PV2 BPSK	270	0	19.47	19.54	19.47			
100	QPSK	1	1	19.58	19.62	19.60			
100	QPSK	1	137	19.47	19.51	19.54	21.0	0.0	
100	QPSK	1	271	19.42	19.46	19.47			
100	QPSK	135	0	19.49	19.54	19.54			
100	QPSK	135	69	19.55	19.60	19.58	21.0	0.0	
100	QPSK	135	138	19.42	19.46	19.49			
100	QPSK	270	0	19.52	19.57	19.55	21.0	0.0	
100	16QAM	1	1	19.44	19.48	19.54	21.0	0.0	
100	64QAM	1	1	19.47	19.48	19.54	21.0	0.0	
100	256QAM	1	1	19.45	19.54	19.48	21.0	0.0	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	21.0	0.0	
90	QPSK	1	1	19.49	19.47	19.51			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	21.0	0.0	
80	QPSK	1	1	19.53	19.57	19.47			
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655	21.0	0.0	
70	QPSK	1	1	19.48	19.51	19.54			
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536	2592.99	2659.98	21.0	0.0	
60	QPSK	1	1	19.42	19.53	19.49			
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.02	2592.99	2664.99	21.0	0.0	
50	QPSK	1	1	19.52	19.52	19.43			
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	21.0	0.0	
40	QPSK	1	1	19.44	19.47	19.50			
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	21.0	0.0	
30	QPSK	1	1	19.50	19.49	19.47			
Channel				501700	518598	535500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.5	2592.99	2677.5	21.0	0.0	
25	QPSK	1	1	19.49	19.57	19.45			
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	21.0	0.0	
20	QPSK	1	1	19.43	19.57	19.55			
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	21.0	0.0	
15	QPSK	1	1	19.52	19.40	19.49			
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	21.0	0.0	
10	QPSK	1	1	19.47	19.49	19.52			

n41_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508200	518598	528000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	11.95	12.04	12.03			
100	PV2 BPSK	1	137	11.95	12.05	11.98	13.5	0.0	
100	PV2 BPSK	1	271	12.05	12.03	12.06			
100	PV2 BPSK	135	0	12.02	12.00	12.02	13.5	0.0	
100	PV2 BPSK	135	69	12.00	12.03	11.97	13.5	0.0	
100	PV2 BPSK	135	138	11.95	12.07	11.98	13.5	0.0	
100	PV2 BPSK	270	0	12.05	12.11	12.07			
100	QPSK	1	1	12.11	12.16	12.13			
100	QPSK	1	137	12.01	12.03	11.99	13.5	0.0	
100	QPSK	1	271	12.06	12.08	12.06			
100	QPSK	135	0	12.05	12.01	11.98			
100	QPSK	135	69	12.05	12.13	12.10	13.5	0.0	
100	QPSK	135	138	12.06	12.04	12.07			
100	QPSK	270	0	12.06	12.10	12.08	13.5	0.0	
100	16QAM	1	1	12.02	12.09	12.05	13.5	0.0	
100	64QAM	1	1	12.06	12.09	12.02	13.5	0.0	
100	256QAM	1	1	12.03	12.08	11.99	13.5	0.0	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2541	2592.99	2644.98	21.0	0.0	
90	QPSK	1	1	11.97	12.00	12.04			
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	21.0	0.0	
80	QPSK	1	1	12.00	12.00	12.00	13.5	0.0	
Channel				505202	518598	531000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655	21.0	0.0	
70	QPSK	1	1	12.05	12.00	11.98	13.5	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2536	2592.99	2659.98	21.0	0.0	
60	QPSK	1	1	11.98	12.00	11.98	13.5	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.02	2592.99	2664.99	21.0	0.0	
50	QPSK	1	1	12.02	12.08	12.01	13.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2516.01	2592.99	2670	21.0	0.0	
40	QPSK	1	1	11.95	12.01	12.06	13.5	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98	21.0	0.0	
30	QPSK	1	1	12.04	12.03	12.05	13.5	0.0	
Channel				501700	518598	535500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.5	2592.99	2677.5	21.0	0.0	
25	QPSK	1	1	11.99	12.02	12.02	13.5	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99	21.0	0.0	
20	QPSK	1	1	12.02	12.06	12.02	13.5	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	21.0	0.0	
15	QPSK	1	1	11.99	12.03	12.01	13.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685	21.0	0.0	
10	QPSK	1	1	11.95	12.02	12.04	13.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.0	23.54	23.82	25.0	0.0
100	PI2 BPSK	1	137	23.77	23.84	23.73		
100	PI2 BPSK	1	271	23.85	23.93	23.77		
100	PI2 BPSK	135	0	23.80	23.87	23.81		
100	PI2 BPSK	135	69	23.83	23.93	23.77	25.0	0.0
100	PI2 BPSK	135	138	23.73	23.86	23.70	25.0	0.0
100	PI2 BPSK	270	0	23.70	23.80	23.80		
100	QPSK	1	1	23.97	24.13	24.12		
100	QPSK	1	137	23.74	23.79	23.82		
100	QPSK	1	271	23.84	23.95	23.89	25.0	0.0
100	QPSK	135	0	23.70	23.84	23.82		
100	QPSK	135	69	23.83	23.85	23.83		
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.66	23.68	23.65	25.0	0.0
100	ISGAM	1	1	23.80	23.95	23.85	25.0	0.0
100	ISGAM	1	1	23.70	23.98	23.73	25.0	0.0
100	SSGAM	1	1	23.83	23.77	23.79	25.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968	65000	65032	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	64934	65000	65066	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	64900	65000	65000	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	64866	65000	65032	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	64832	65000	65066	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	64798	65000	65032	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	64764	65000	65066	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	64730	65000	65066	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	64700	65000	65066	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	64670	65000	65066	Tune-up limit (dB)	MPR

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	23.0	23.54	23.82	25.0	0.0
100	PI2 BPSK	1	137	23.77	23.84	23.73		
100	PI2 BPSK	1	271	23.85	23.93	23.77		
100	PI2 BPSK	135	0	23.80	23.87	23.81		
100	PI2 BPSK	135	69	23.83	23.93	23.77	25.0	0.0
100	PI2 BPSK	135	138	23.73	23.86	23.70	25.0	0.0
100	PI2 BPSK	270	0	23.70	23.80	23.80		
100	QPSK	1	1	23.97	24.13	24.12		
100	QPSK	1	137	23.74	23.79	23.82		
100	QPSK	1	271	23.84	23.95	23.89	25.0	0.0
100	QPSK	135	0	23.70	23.84	23.82		
100	QPSK	135	69	23.83	23.85	23.83		
100	QPSK	135	138	23.79	23.79	23.81		
100	QPSK	270	0	23.66	23.68	23.65	25.0	0.0
100	ISGAM	1	1	23.80	23.95	23.85	25.0	0.0
100	ISGAM	1	1	23.70	23.98	23.73	25.0	0.0
100	SSGAM	1	1	23.83	23.77	23.79	25.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
80	QPSK	1	1	63266	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
70	QPSK	1	1	63232	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
60	QPSK	1	1	63198	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
50	QPSK	1	1	63164	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
40	QPSK	1	1	63130	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
30	QPSK	1	1	63096	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
20	QPSK	1	1	63062	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
15	QPSK	1	1	63028	63332	63400	Tune-up limit (dB)	MPR
Channel								
Frequency (MHz)								
10	QPSK	1	1	62994	63332	63400	Tune-up limit (dB)	MPR

CA_5B_Ant 2										
Combination 10MHz+10MHz (50RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC				SCC			
			RB Size	RB offset	RB Size	RB offset	Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)
20490	20490	QPSK	1	0	0	0	1	0	FullPower	24.23
20490	20490	QPSK	1	0	0	0	1	0	FullPower	24.26
20490	20490	QPSK	1	0	0	0	1	0	FullPower	24.18
20490	20490	QPSK	1	0	0	0	1	0	State6	22.15
20490	20490	QPSK	1	0	0	0	1	0	State6	22.06
20490	20490	QPSK	1	0	0	0	1	0	State6	22.11
20490	20490	QPSK	1	0	0	0	1	0	State7	22.53
20490	20490	QPSK	1	0	0	0	1	0	State7	22.38
20490	20490	QPSK	1	0	0	0	1	0	State7	22.30
20490	20490	QPSK	1	0	0	0	1	0	State6	22.53
20490	20490	QPSK	1	0	0	0	1	0	State6	22.38
20490	20490	QPSK	1	0	0	0	1	0	State6	22.30
20490	20490	QPSK	1	0	0	0	1	0	State6	22.22
20490	20490	QPSK	1	0	0	0	1	0	State6	22.06
20490	20490	QPSK	1	0	0	0	1	0	State6	24.16
20490	20490	QPSK	1	0	0	0	1	0	State10	24.16

CA_7C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC				SCC			
			RB Size	RB offset	RB Size	RB offset	Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)
20850	21048	QPSK	1	0	0	0	1	0	FullPower	23.75
21100	21048	QPSK	1	0	0	0	1	0	FullPower	23.80
21350	21152	QPSK	1	0	0	0	1	0	FullPower	23.76
20850	21048	QPSK	1	0	0	0	1	0	State6	23.75
21350	21048	QPSK	1	0	0	0	1	0	State6	23.80
21350	21152	QPSK	1	0	0	0	1	0	State6	23.76
20850	21048	QPSK	1	0	0	0	1	0	State7	23.75
21350	21048	QPSK	1	0	0	0	1	0	State7	23.80
21350	21152	QPSK	1	0	0	0	1	0	State7	23.76
20850	21048	QPSK	1	0	0	0	1	0	State7	23.75
21350	21048	QPSK	1	0	0	0	1	0	State7	23.80
21350	21152	QPSK	1	0	0	0	1	0	State7	23.76
20850	21048	QPSK	1	0	0	0	1	0	State6	21.46
21350	21048	QPSK	1	0	0	0	1	0	State6	21.50
21350	21152	QPSK	1	0	0	0	1	0	State6	21.57
20850	21048	QPSK	1	0	0	0	1	0	State6	21.46
21350	21048	QPSK	1	0	0	0	1	0	State10	21.57
21350	21152	QPSK	1	0	0	0	1	0	State10	21.57

CA_7C_Ant 2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC				SCC			
			RB Size	RB offset	RB Size	RB offset	Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)
20850	21048	QPSK	1	0	0	0	1	0	FullPower	23.75
21100	21048	QPSK	1	0	0	0	1	0	FullPower	23.80
21350	21152	QPSK	1	0	0	0	1	0	FullPower	23.76
20850	21048	QPSK	1	0	0	0	1	0	State6	23.75
21350	21048	QPSK	1	0	0	0	1	0	State6	23.80
21350	21152	QPSK	1	0	0	0	1	0	State6	23.76
20850	21048	QPSK	1	0	0	0	1	0	State7	23.75
21350	21048	QPSK	1	0	0	0	1	0	State7	23.80
21350	21152	QPSK	1	0	0	0	1	0	State7	23.76
20850	21048	QPSK	1	0	0	0	1	0	State6	21.46
21350	21048	QPSK	1	0	0	0	1	0	State6	21.50
21350	21152	QPSK	1	0	0	0	1	0	State6	21.57
20850	21048	QPSK	1	0	0	0	1	0	State6	21.46
21350	21048	QPSK	1	0	0	0	1	0	State10	21.57
21350	21152	QPSK	1	0	0	0	1	0	State10	21.57

CA_560_Ant 1										
Combination 10MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC				SCC			
			RB Size	RB offset	RB Size	RB offset	Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)
130543	131140	QPSK	1	0	0	0	1	0	FullPower	23.58
130543	130510	QPSK	1	0	0	0	1	0	FullPower	23.58
130543	130504	QPSK	1	0	0	0	1	0	FullPower	23.53
130543	131140	QPSK	1	0	0	0	1	0	State6	23.58
130543	130510	QPSK	1	0	0	0	1	0	State6	23.53
130543	130504	QPSK	1	0	0	0	1	0	State6	23.43
130543	131140	QPSK	1	0	0	0	1	0	State7	23.58
130543	130510	QPSK	1	0	0	0	1	0	State7	23.53
130543	130504	QPSK	1	0	0	0	1	0	State7	23.43
130543	131140	QPSK	1	0	0	0	1	0	State8	23.58
130543	130510	QPSK	1	0	0	0	1	0	State8	23.53
130543	130504	QPSK	1	0	0	0	1	0	State8	23.43
130543	131140	QPSK	1	0	0	0	1	0	State9	23.58
130543	130510	QPSK	1	0	0	0	1	0	State9	23.53
130543	130504	QPSK	1	0	0	0	1	0	State9	23.43
130543	131140	QPSK	1	0	0	0	1	0	State10	23.43

CA_560_Ant 2										
Combination 10MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC				SCC			
			RB Size	RB offset	RB Size	RB offset	Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)
130547	130140	QPSK	1	0	0	0	1	0	FullPower	23.58
130547	130410	QPSK	1	0	0	0	1	0	FullPower	23.53
130547	130504	QPSK	1	0	0	0	1	0	FullPower	23.53
130547	130140	QPSK	1	0	0	0	1	0	State6	23.58
130547	130410	QPSK	1	0	0	0	1	0	State6	23.53
130547	130504	QPSK	1	0	0	0	1	0	State6	23.43
130547	130140	QPSK	1	0	0	0	1	0	State7	23.58
130547	130410	QPSK	1	0	0	0	1	0	State7	23.53
130547	130504	QPSK	1	0	0	0	1	0	State7	23.43
130547	130140	QPSK	1	0	0	0	1	0	State8	23.58
130547	130410	QPSK	1	0	0	0	1	0	State8	23.53
130547	130504	QPSK	1	0	0	0	1	0	State8	23.43
130547	130140	QPSK	1	0	0	0	1	0	State9	23.58
130547	130410	QPSK	1	0	0	0	1	0	State9	23.53
130547	130504	QPSK	1	0	0	0	1	0	State9	23.43
130547	130140	QPSK	1	0	0	0	1	0	State10	23.43

CA_560_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC				SCC			
			RB Size	RB offset	RB Size	RB offset	Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)
130572	130710	QPSK	1	0	0	0	1	0	FullPower	23.65
130572	130510	QPSK	1	0	0	0	1	0	FullPower	23.65
130572	130504	QPSK	1	0	0	0	1	0	FullPower	23.65
130572	130710	QPSK	1	0	0	0	1	0	State6	23.65
130572	130510	QPSK	1	0	0	0	1	0	State6	23.65
130572	130504	QPSK	1	0	0	0	1	0	State6	23.65
130572	130710	QPSK	1	0	0	0	1	0	State7	23.65
130572	130510	QPSK	1	0	0	0	1	0	State7	23.65
130572	130504	QPSK	1	0	0	0	1	0	State7	23.65
130572	130710	QPSK	1	0	0	0	1	0	State8	23.65
130572	130510	QPSK	1	0	0	0	1	0	State8	23.65
130572	130504	QPSK	1	0	0	0	1	0	State8	23.65
130572	130710	QPSK	1	0	0	0	1	0	State9	23.65
130572	130510	QPSK	1	0	0	0	1	0	State9	23.65
130572	130504	QPSK	1	0	0	0	1	0	State9	23.65
130572	130710	QPSK	1	0	0	0	1	0	State10	23.65

CA_488 For FCC_Ant 9											
Combination 10MHz+10MHz (50RB+50RB)											
FCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Time up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
35290	35390	QPSK	1	0	0	0	1	0	Full Power	17.31	16.00
35390	35490	QPSK	1	0	0	0	1	0	Full Power	17.30	16.00
35400	35490	QPSK	1	0	0	0	1	0	Full Power	17.25	16.00
35500	35590	QPSK	1	0	0	0	1	0	Full Power	17.15	16.00
35510	35600	QPSK	1	0	0	0	1	0	State7	17.21	16.00
35610	35700	QPSK	1	0	0	0	1	0	State6	17.30	16.00
35620	35710	QPSK	1	0	0	0	1	0	State6	17.25	16.00
35720	35810	QPSK	1	0	0	0	1	0	State7	17.31	16.00
35730	35820	QPSK	1	0	0	0	1	0	State7	17.25	16.00
35830	35920	QPSK	1	0	0	0	1	0	State7	17.25	16.00
35840	35930	QPSK	1	0	0	0	1	0	State7	17.15	16.00
35940	36030	QPSK	1	0	0	0	1	0	State6	17.15	16.00
35950	36040	QPSK	1	0	0	0	1	0	State6	17.10	16.00
36050	36140	QPSK	1	0	0	0	1	0	State7	17.31	16.00
36060	36150	QPSK	1	0	0	0	1	0	State7	17.25	16.00
36160	36250	QPSK	1	0	0	0	1	0	State7	17.25	16.00
36170	36260	QPSK	1	0	0	0	1	0	State7	17.20	16.00
36270	36360	QPSK	1	0	0	0	1	0	State6	17.25	16.00
36280	36370	QPSK	1	0	0	0	1	0	State6	17.20	16.00
36380	36470	QPSK	1	0	0	0	1	0	State6	17.15	16.00
36390	36480	QPSK	1	0	0	0	1	0	State6	17.10	16.00
36490	36580	QPSK	1	0	0	0	1	0	State6	17.25	16.00
36500	36590	QPSK	1	0	0	0	1	0	State6	17.20	16.00
36600	36690	QPSK	1	0	0	0	1	0	State6	17.15	16.00
36610	36700	QPSK	1	0	0	0	1	0	State6	17.10	16.00
36710	36800	QPSK	1	0	0	0	1	0	State10	17.25	16.00
36720	36810	QPSK	1	0	0	0	1	0	State10	17.15	16.00

CA_488 For FCC_Ant 7											
Combination 10MHz+10MHz (50RB+50RB)											
FCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Time up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
36290	36380	QPSK	1	0	0	0	1	0	Full Power	17.31	16.00
36300	36390	QPSK	1	0	0	0	1	0	Full Power	17.25	16.00
36400	36490	QPSK	1	0	0	0	1	0	Full Power	17.25	16.00
36500	36590	QPSK	1	0	0	0	1	0	Full Power	17.15	16.00
36510	36600	QPSK	1	0	0	0	1	0	State7	17.21	16.00
36610	36700	QPSK	1	0	0	0	1	0	State6	17.25	16.00
36620	36710	QPSK	1	0	0	0	1	0	State6	17.20	16.00
36720	36810	QPSK	1	0	0	0	1	0	State7	17.31	16.00
36730	36820	QPSK	1	0	0	0	1	0	State7	17.25	16.00
36830	36920	QPSK	1	0	0	0	1	0	State7	17.25	16.00
36840	36930	QPSK	1	0	0	0	1	0	State7	17.20	16.00
36940	37030	QPSK	1	0	0	0	1	0	State6	17.15	16.00
36950	37040	QPSK	1	0	0	0	1	0	State6	17.10	16.00
37050	37140	QPSK	1	0	0	0	1	0	State7	17.31	16.00
37060	37150	QPSK	1	0	0	0	1	0	State7	17.25	16.00
37160	37250	QPSK	1	0	0	0	1	0	State7	17.25	16.00
37170	37260	QPSK	1	0	0	0	1	0	State7	17.20	16.00
37270	37360	QPSK	1	0	0	0	1	0	State6	17.25	16.00
37280	37370	QPSK	1	0	0	0	1	0	State6	17.20	16.00
37380	37470	QPSK	1	0	0	0	1	0	State6	17.15	16.00
37390	37480	QPSK	1	0	0	0	1	0	State6	17.10	16.00
37490	37580	QPSK	1	0	0	0	1	0	State6	17.25	16.00
37500	37590	QPSK	1	0	0	0	1	0	State6	17.20	16.00
37600	37690	QPSK	1	0	0	0	1	0	State6	17.15	16.00
37610	37700	QPSK	1	0	0	0	1	0	State6	17.10	16.00
37710	37800	QPSK	1	0	0	0	1	0	State10	17.25	16.00
37720	37810	QPSK	1	0	0	0	1	0	State10	17.15	16.00

CA_488 For FCC_Ant 10											
Combination 10MHz+10MHz (50RB+50RB)											
FCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Time up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
36290	36380	QPSK	1	0	0	0	1	0	Full Power	17.31	16.00
36300	36390	QPSK	1	0	0	0	1	0	Full Power	17.25	16.00
36400	36490	QPSK	1	0	0	0	1	0	Full Power	17.25	16.00
36500	36590	QPSK	1	0	0	0	1	0	Full Power	17.15	16.00
36510	36600	QPSK	1	0	0	0	1	0	State7	17.21	16.00
36610	36700	QPSK	1	0	0	0	1	0	State6	17.25	16.00
36620	36710	QPSK	1	0	0	0	1	0	State6	17.20	16.00
36720	36810	QPSK	1	0	0	0	1	0	State7	17.31	16.00
36730	36820	QPSK	1	0	0	0	1	0	State7	17.25	16.00
36830	36920	QPSK	1	0	0	0	1	0	State7	17.25	16.00
36840	36930	QPSK	1	0	0	0	1	0	State7	17.20	16.00
36940	37030	QPSK	1	0	0	0	1	0	State6	17.15	16.00
36950	37040	QPSK	1	0	0	0	1	0	State6	17.10	16.00
37050	37140	QPSK	1	0	0	0	1	0	State7	17.31	16.00
37060	37150	QPSK	1	0	0	0	1	0	State7	17.25	16.00
37160	37250	QPSK	1	0	0	0	1	0	State7	17.25	16.00
37170	37260	QPSK	1	0	0	0	1	0	State7	17.20	16.00
37270	37360	QPSK	1	0	0	0	1	0	State6	17.25	16.00
37280	37370	QPSK	1	0	0	0	1	0	State6	17.20	16.00
37380	37470	QPSK	1	0	0	0	1	0	State6	17.15	16.00
37390	37480	QPSK	1	0	0	0	1	0	State6	17.10	16.00
37490	37580	QPSK	1	0	0	0	1	0	State6	17.25	16.00
37500	37590	QPSK	1	0	0	0	1	0	State6	17.20	16.00
37600	37690	QPSK	1	0	0	0	1	0	State6	17.15	16.00
37610	37700	QPSK	1	0	0	0	1	0	State6	17.10	16.00
37710	37800	QPSK	1	0	0	0	1	0	State10	17.25	16.00
37720	37810	QPSK	1	0	0	0	1	0	State10	17.15	16.00

CA, CA2 and CA3 - AAB											
Combination 20MHz/CA2 - AAB (100Hz+100Hz)											
PCC Channel	ECC Channel	PCC					Target MIMO Level (PCC)	Power Reduction	Throughput (PCC)	Tx Power (PCC)	
		CC1	CC2	CC3	CC4	CC5					
93400	93836	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93842	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93848	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93854	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93860	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93866	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93872	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93878	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93884	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93890	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93896	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93902	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93908	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93914	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93920	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93926	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93932	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93938	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93944	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93950	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93956	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93962	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93968	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93974	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93980	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93986	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93992	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50
93400	93998	OFDM	1	0	0	0	1	0	Full Power	17.20	18.50

[illegible][illegible]



n2_Ant 1							
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	MPR (dB)
Channel							
Frequency [MHz]							
20	PSS-BPSK	1	1	23.85	23.85	23.85	
20	PSS-BPSK	1	53	23.85	23.85	23.73	25.0
20	PSS-BPSK	1	104	23.75	23.85	23.77	24.5
20	PSS-BPSK	50	0	23.75	23.73	23.75	0.0
20	PSS-BPSK	50	26	23.72	23.82	23.88	26.0
20	PSS-BPSK	50	56	23.71	23.79	23.73	24.5
20	PSS-BPSK	100	0	23.21	23.35	23.15	0.0
20	QPSK	1	1	23.96	24.02	23.97	
20	QPSK	1	53	23.78	23.84	23.89	25.0
20	QPSK	1	104	23.85	23.85	23.91	24.5
20	QPSK	50	0	22.99	23.08	23.03	24.0
20	QPSK	50	26	23.86	23.86	23.91	25.0
20	QPSK	50	56	22.99	23.72	23.08	24.0
20	QPSK	100	0	22.99	23.06	22.99	24.0
20	16QAM	1	1	22.77	22.82	22.83	24.0
20	16QAM	1	1	21.46	21.56	21.46	22.5
20	256QAM	1	1	19.46	19.53	19.44	20.5
Channel							
Frequency [MHz]							
15	QPSK	1	1	17.02	17.02	17.02	24.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	22.86	22.86	22.86	24.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.23	19.31	19.14	24.0

Full Power							
n2_Ant 2							
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	MPR (dB)
Channel							
Frequency [MHz]							
20	PSS-BPSK	1	1	23.85	23.85	23.85	
20	PSS-BPSK	1	53	23.85	23.85	23.73	25.0
20	PSS-BPSK	1	104	23.75	23.85	23.77	24.5
20	PSS-BPSK	50	0	23.75	23.73	23.75	0.0
20	PSS-BPSK	50	26	23.72	23.82	23.88	26.0
20	PSS-BPSK	50	56	23.71	23.79	23.73	24.5
20	PSS-BPSK	100	0	23.21	23.35	23.15	0.0
20	QPSK	1	1	23.96	24.02	23.97	
20	QPSK	1	53	23.78	23.84	23.89	25.0
20	QPSK	1	104	23.85	23.85	23.91	24.5
20	QPSK	50	0	22.99	23.08	23.03	24.0
20	QPSK	50	26	23.86	23.86	23.91	25.0
20	QPSK	50	56	22.99	23.72	23.08	24.0
20	QPSK	100	0	22.99	23.06	22.99	24.0
20	16QAM	1	1	22.77	22.82	22.83	24.0
20	16QAM	1	1	21.46	21.56	21.46	22.5
20	256QAM	1	1	19.46	19.53	19.44	20.5
Channel							
Frequency [MHz]							
15	QPSK	1	1	17.02	17.02	17.02	24.0
Channel							
Frequency [MHz]							
10	QPSK	1	1	22.86	22.86	22.86	24.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.23	19.31	19.14	24.0

n2_Ant 7							
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	MPR (dB)
Channel							
Frequency [MHz]							
20	PSS-BPSK	1	1	22.83	22.88	22.86	
20	PSS-BPSK	1	53	22.87	22.83	22.86	24.5
20	PSS-BPSK	1	104	22.75	22.74	22.73	24.0
20	PSS-BPSK	50	0	22.75	22.76	22.75	0.0
20	PSS-BPSK	50	26	22.73	22.84	22.75	24.5
20	PSS-BPSK	50	56	22.77	22.73	22.75	24.0
20	PSS-BPSK	100	0	22.17	22.31	22.20	0.0
20	QPSK	1	1	22.90	22.95	22.90	
20	QPSK	1	53	22.73	22.88	22.75	24.5
20	QPSK	1	104	22.87	22.83	22.74	24.0
20	QPSK	50	0	22.87	22.75	22.88	23.5
20	QPSK	50	26	22.75	22.86	22.75	24.5
20	QPSK	50	56	22.81	22.87	22.88	23.5
20	QPSK	100	0	22.74	22.83	22.75	23.5
20	16QAM	1	1	22.86	22.81	22.72	23.5
20	16QAM	1	1	21.77	21.92	21.75	22.0
20	256QAM	1	1	19.28	19.33	19.22	20.0
Channel							
Frequency [MHz]							
15	QPSK	1	1	22.76	22.83	22.77	23.5
Channel							
Frequency [MHz]							
10	QPSK	1	1	22.74	22.87	22.75	24.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	22.75	22.85	22.75	23.5



n5_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.53	24.63	24.68			
20	QPSK	1	53	24.50	24.47	24.45	26.0	0.0	
20	PSS-BPSK	1	104	24.57	24.57	24.51			
20	QPSK	50	0	23.95	24.08	23.92	25.5	0.5	
20	PSS-BPSK	50	26	24.47	24.56	24.52	26.0		
20	QPSK	50	56	23.92	24.05	23.90	25.0	0.5	
20	PSS-BPSK	100	0	23.88	23.88	23.84	25.5		
20	QPSK	1	1	24.56	24.65	24.62			
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0	
20	QPSK	1	104	24.50	24.63	24.57			
20	QPSK	50	0	23.62	23.77	23.65	26.0	1.0	
20	QPSK	50	26	24.50	24.62	24.52	26.0	0.0	
20	QPSK	50	56	23.70	23.78	23.67	25.0	1.0	
20	QPSK	100	0	23.66	23.73	23.60	26.0	1.0	
20	16QAM	1	1	23.62	23.68	23.58	26.0	1.0	
20	16QAM	1	1	23.76	23.28	23.15	23.5	2.5	
20	256QAM	1	1	20.14	20.23	20.11	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.91	16.92	16.93	Tune-up limit (dBm)	MPR	
Channel									
Frequency [MHz]									
15	QPSK	1	1	24.50	24.50	24.50	Tune-up limit (dBm)	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	84.0	84.0	84.0	Tune-up limit (dBm)	0.0	

n5_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.53	24.63	24.68			
20	QPSK	1	53	24.50	24.47	24.45	26.0	0.0	
20	PSS-BPSK	1	104	24.57	24.57	24.51			
20	QPSK	50	0	23.95	24.08	23.92	25.5	0.5	
20	PSS-BPSK	50	26	24.47	24.56	24.52	26.0		
20	QPSK	50	56	23.92	24.05	23.90	25.0	0.5	
20	PSS-BPSK	100	0	23.88	23.88	23.84	25.5		
20	QPSK	1	1	24.56	24.65	24.62			
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0	
20	QPSK	1	104	24.50	24.63	24.57			
20	QPSK	50	0	23.62	23.77	23.65	26.0	1.0	
20	QPSK	50	26	24.50	24.62	24.52	26.0	0.0	
20	QPSK	50	56	23.70	23.78	23.67	25.0	1.0	
20	QPSK	100	0	23.66	23.73	23.60	26.0	1.0	
20	16QAM	1	1	23.62	23.68	23.58	26.0	1.0	
20	16QAM	1	1	23.76	23.28	23.15	23.5	2.5	
20	256QAM	1	1	20.14	20.23	20.11	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.91	16.92	16.93	Tune-up limit (dBm)	MPR	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.52	24.53	24.55	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	84.0	84.0	84.0	Tune-up limit (dBm)	0.0	

n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	23.78	23.80	23.88			
40	PSS-BPSK	1	108	23.70	23.82	23.86	25.0	0.0	
40	PSS-BPSK	1	214	23.74	23.85	23.73			
40	PSS-BPSK	108	0	23.97	23.92	23.70	24.5	0.5	
40	PSS-BPSK	108	54	23.72	23.80	23.71	25.0	0.0	
40	PSS-BPSK	108	108	23.75	23.93	23.74	24.5	0.5	
40	PSS-BPSK	216	0	23.18	23.33	23.18			
40	QPSK	1	1	23.80	23.92	23.90			
40	QPSK	1	108	23.74	23.83	23.78	25.0	0.0	
40	QPSK	1	214	23.66	23.80	23.66			
40	QPSK	108	0	23.89	23.85	23.86	24.0	1.0	
40	QPSK	108	54	23.71	23.83	23.65	25.0	0.0	
40	QPSK	108	108	23.65	23.15	23.68			
40	QPSK	216	0	23.60	23.63	23.58	24.0	1.0	
40	16QAM	1	1	23.86	23.81	23.83	24.0	1.0	
40	16QAM	1	1	23.47	23.56	23.44	23.5	2.5	
40	256QAM	1	1	19.45	19.57	19.44	20.5	4.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.73	23.97	23.78	25.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	24.72	24.76	24.82	26.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.76	23.76	23.81	25.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.65	23.84	23.84	25.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.74	23.75	23.78	25.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	23.70	23.70	23.70	25.0	0.0	



n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	23.78	23.85	23.88			
40	PSS-BPSK	1	108	23.75	23.82	23.85	25.0	0.0	
40	PSS-BPSK	1	214	23.74	23.85	23.75			
40	PSS-BPSK	108	0	23.72	23.75	23.78	24.5	0.5	
40	PSS-BPSK	108	54	23.72	23.85	23.71	28.0	0.0	
40	PSS-BPSK	108	108	23.71	23.75	23.78	24.5	0.5	
40	PSS-BPSK	216	0	23.73	23.33	23.18			
40	QPSK	1	1	23.80	23.82	23.80			
40	QPSK	1	108	23.74	23.83	23.78	25.0	0.0	
40	QPSK	1	214	23.69	23.85	23.69			
40	QPSK	108	0	23.69	23.85	23.68	24.0	1.0	
40	QPSK	108	54	23.71	23.83	23.69	25.0	0.0	
40	QPSK	108	108	23.68	23.75	23.68	24.0	1.0	
40	QPSK	216	0	23.69	23.63	23.68			
40	16QAM	1	1	23.61	23.66	23.64	23.5		
40	256QAM	1	1	19.45	19.57	19.44	20.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.33	23.37	23.35			
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.32	23.76	23.82			
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.30	23.30	23.31			
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.85	23.84	23.84	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.94	23.93	23.93			
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.90	23.78	23.79	25.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	24.48	24.53	24.50			
10	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
10	PSS-BPSK	1	77	24.38	24.47	24.45			
10	PSS-BPSK	36	0	23.88	23.91	23.90	25.5	0.5	
10	PSS-BPSK	36	22	24.42	24.43	24.40	26.0	0.0	
10	PSS-BPSK	36	48	23.91	23.93	23.90	25.5	0.5	
10	PSS-BPSK	75	0	23.84	23.93	23.89			
10	QPSK	1	1	24.50	24.50	24.50			
10	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
10	QPSK	1	77	24.39	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.57	25.0	1.0	
10	QPSK	36	22	24.47	24.52	24.39	25.0	0.0	
10	QPSK	36	48	23.48	23.58	23.49	25.0	1.0	
10	QPSK	75	0	23.50	23.58	23.53			
10	16QAM	1	1	23.42	23.55	23.49	25.0	1.0	
10	64QAM	1	1	22.00	22.13	22.07	23.5	2.5	
10	256QAM	1	1	19.08	20.04	19.04	21.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.43	24.44	24.43	25.5	1.1	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.42	24.42	24.39	26.0	0.0	

n12_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PSS-BPSK	1	1	24.48	24.53	24.50			
15	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
15	PSS-BPSK	1	77	24.38	24.47	24.45			
15	PSS-BPSK	36	0	23.88	23.91	23.90	25.5	0.5	
15	PSS-BPSK	36	22	24.42	24.43	24.40	26.0	0.0	
15	PSS-BPSK	36	48	23.91	23.93	23.90	25.5	0.5	
15	PSS-BPSK	75	0	23.84	23.93	23.89			
15	QPSK	1	1	24.50	24.50	24.50			
15	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
15	QPSK	1	77	24.39	24.50	24.34			
15	QPSK	36	0	23.48	23.53	23.57	25.0	1.0	
15	QPSK	36	22	24.47	24.52	24.39	25.0	0.0	
15	QPSK	36	48	23.48	23.58	23.49	25.0	1.0	
15	QPSK	75	0	23.50	23.58	23.53			
15	16QAM	1	1	23.42	23.55	23.49	25.0	1.0	
15	64QAM	1	1	22.00	22.13	22.07	23.5	2.5	
15	256QAM	1	1	19.08	20.04	19.04	21.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.43	24.44	24.43	25.5	1.1	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.42	24.42	24.39	26.0	0.0	



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Media Ch. Freq	Power High Ch. Freq	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.35	24.45	24.41			
40	PSS-BPSK	1	108	23.27	23.35	23.32	25.0	0.0	
40	PSS-BPSK	1	214	24.34	24.42	24.39			
40	PSS-BPSK	108	0	23.27	23.35	23.35	24.5	0.5	
40	PSS-BPSK	108	54	24.25	24.45	24.35	28.0	0.0	
40	PSS-BPSK	108	108	23.25	23.35	23.35	24.5	0.5	
40	PSS-BPSK	216	0	23.25	23.35	23.31			
40	QPSK	1	1	24.41	24.53	24.48			
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0	
40	QPSK	1	214	24.34	24.45	24.35			
40	QPSK	108	0	23.15	23.35	23.28	24.0	1.0	
40	QPSK	108	54	24.15	24.45	24.34	25.0	0.0	
40	QPSK	108	108	23.22	23.34	23.25	24.0	1.0	
40	QPSK	216	0	23.15	23.35	23.22	24.0	1.0	
40	16QAM	1	1	23.65	23.82	23.72	22.5	2.5	
40	256QAM	1	1	19.65	19.75	19.67	20.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	27.30	27.51	27.50	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	27.30	27.51	27.50	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	27.30	27.51	27.50	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Media Ch. Freq	Power High Ch. Freq	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.35	24.45	24.41			
40	PSS-BPSK	1	108	23.27	23.35	23.32	25.0	0.0	
40	PSS-BPSK	1	214	24.34	24.42	24.39			
40	PSS-BPSK	108	0	23.27	23.35	23.35	24.5	0.5	
40	PSS-BPSK	108	54	24.25	24.45	24.35	25.0	0.0	
40	PSS-BPSK	108	108	23.25	23.35	23.35	24.5	0.5	
40	PSS-BPSK	216	0	23.25	23.35	23.31			
40	QPSK	1	1	24.41	24.53	24.48			
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0	
40	QPSK	1	214	24.34	24.45	24.35			
40	QPSK	108	0	23.15	23.35	23.28	24.0	1.0	
40	QPSK	108	54	24.15	24.45	24.34	25.0	0.0	
40	QPSK	108	108	23.22	23.34	23.25	24.0	1.0	
40	QPSK	216	0	23.15	23.35	23.22	24.0	1.0	
40	16QAM	1	1	23.65	23.82	23.72	22.5	2.5	
40	256QAM	1	1	19.65	19.75	19.67	20.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	27.30	27.51	27.50	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	27.30	27.51	27.50	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	27.30	27.51	27.50	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	

n25_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Media Ch. Freq	Power High Ch. Freq	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	22.81	22.90	22.86			
40	PSS-BPSK	1	108	22.75	22.90	22.81	24.5	0.0	
40	PSS-BPSK	1	214	22.83	22.88	22.83			
40	PSS-BPSK	108	0	22.75	22.94	22.82	24.0	0.5	
40	PSS-BPSK	108	54	22.82	22.81	22.82	24.5	0.0	
40	PSS-BPSK	108	108	22.77	22.45	22.70			
40	PSS-BPSK	216	0	22.77	22.48	22.38	24.0	0.5	
40	QPSK	1	1	22.85	22.93	22.90			
40	QPSK	1	108	22.79	22.88	22.73	24.5	0.0	
40	QPSK	1	214	22.80	22.93	22.82			
40	QPSK	108	0	22.88	22.81	22.78	23.5	1.0	
40	QPSK	108	54	22.75	22.82	22.74	24.5	0.0	
40	QPSK	108	108	22.83	22.73	22.87			
40	16QAM	1	1	21.60	21.83	21.70	23.5	1.0	
40	16QAM	1	1	21.71	21.81	21.76	23.5	1.0	
40	16QAM	1	1	21.51	21.70	21.60	22.0	2.5	
40	256QAM	1	1	18.24	18.33	18.28	20.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.82	22.91	22.84	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.84	22.97	22.90	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.82	22.94	22.88	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.80	22.90	22.86	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.83	22.93	22.81	Turn-up time (min)	MPH (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.82	22.90	22.81	24.5	0.0	



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.45	24.45	24.45			
20	QPSK	1	53	24.54	24.55	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.45	24.45	24.39			
20	PSS-BPSK	50	0	23.95	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.45	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	56	23.95	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.56	24.48			
20	QPSK	50	0	23.70	23.78	23.70	26.0	1.0	
20	QPSK	50	26	24.45	24.56	24.53	26.0	0.0	
20	QPSK	50	56	23.70	23.78	23.68	26.0	1.0	
20	QPSK	100	0	23.68	23.73	23.67	26.0	1.0	
20	16QAM	1	1	23.55	23.65	23.55	26.0	1.0	
20	16QAM	1	1	23.00	23.10	23.00	25.5	2.5	
20	256QAM	1	1	20.90	20.95	20.91	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	24.50	24.54	24.49	26.0	1.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.10	24.13	24.09	26.0	1.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.49	24.49	24.49			
20	PSS-BPSK	1	50	24.54	24.59	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.49	24.49	24.39			
20	PSS-BPSK	50	0	23.99	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.49	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	50	23.99	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.56	24.48			
20	QPSK	50	0	23.70	23.78	23.70	26.0	1.0	
20	QPSK	50	26	24.45	24.56	24.53	26.0	0.0	
20	QPSK	50	50	23.70	23.78	23.68	26.0	1.0	
20	QPSK	100	0	23.68	23.73	23.67	26.0	1.0	
20	16QAM	1	1	23.55	23.65	23.55	26.0	1.0	
20	16QAM	1	1	23.00	23.10	23.00	25.5	2.5	
20	256QAM	1	1	20.90	20.95	20.91	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	24.50	24.54	24.49	26.0	1.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.10	24.13	24.09	26.0	1.0	

n30_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 462000)	Power Middle Ch. 1 (Peak 462000)	Power High Ch. 1 (Peak 462000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
10	PSS-BPSK	1	1		19.72				
10	PSS-BPSK	1	26		19.87		19.0	0.0	
10	PSS-BPSK	1	50		19.89				
10	PSS-BPSK	25	0		19.87		19.0	0.0	
10	PSS-BPSK	25	14		19.87		19.0	0.0	
10	PSS-BPSK	25	27		19.85		19.0	0.0	
10	PSS-BPSK	50	0		19.88				
10	QPSK	1	1		19.70				
10	QPSK	1	26		19.71		19.0	0.0	
10	QPSK	1	50		19.72				
10	QPSK	25	0		19.72		19.0	0.0	
10	QPSK	25	14		19.72		19.0	0.0	
10	QPSK	25	27		19.72		19.0	0.0	
10	16QAM	1	1		19.71				
10	16QAM	1	1		19.84		19.0	0.0	
10	16QAM	1	1		19.90		19.0	0.0	
10	256QAM	1	1		19.87		19.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.54	24.58	24.50	26.0	2.0	



n30_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	19.73			18.0	0.0	
10	PSS-BPSK	1	26	19.67					
10	PSS-BPSK	1	50	19.69					
10	PSS-BPSK	25	0	19.67			18.0	0.0	
10	PSS-BPSK	25	14	19.67					
10	PSS-BPSK	25	27	19.65			18.0	0.0	
10	PSS-BPSK	50	0	19.68					
10	QPSK	1	1	19.75					
10	QPSK	1	26	19.71			18.0	0.0	
10	QPSK	1	50	19.72					
10	QPSK	25	0	19.72			18.0	0.0	
10	QPSK	25	14	19.72					
10	QPSK	25	27	19.72			18.0	0.0	
10	QPSK	50	0	19.71					
10	MS-CAM	1	1	19.64			18.0	0.0	
10	MS-CAM	1	1	19.56			18.0	0.0	
10	25G-CAM	1	1	19.67			18.0	0.0	
Channel				20.150	20.050	20.050	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				20.07.5	20.10	20.12.0			
5	QPSK	1	1	19.54	19.56	19.50	18.0	0.0	

n30_Ant 7									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	22.78					
10	PSS-BPSK	1	26	22.80			24.0	0.0	
10	PSS-BPSK	1	50	22.79					
10	PSS-BPSK	25	0	22.71			24.0	0.0	
10	PSS-BPSK	25	14	22.68					
10	PSS-BPSK	25	27	22.70			24.0	0.0	
10	PSS-BPSK	50	0	22.69					
10	QPSK	1	1	22.80					
10	QPSK	1	26	22.79			24.0	0.0	
10	QPSK	1	50	22.72					
10	QPSK	25	0	21.88			23.0	1.0	
10	QPSK	25	14	22.00			24.0	0.0	
10	QPSK	25	27	21.88			23.0	1.0	
10	MS-CAM	1	1	21.80			23.0	1.0	
10	MS-CAM	1	1	20.71			22.0	2.0	
10	25G-CAM	1	1	19.73			20.0	4.0	
Channel				20.100	20.050	20.050	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				20.07.5	20.10	20.11.0			
5	QPSK			22.03	22.10	22.02	24.0	0.0	

n66_Ant 1									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.42	24.50	24.45			
40	PSS-BPSK	1	108	23.50	24.40	24.34	20.0	0.0	
40	PSS-BPSK	1	214	23.35	24.43	24.34			
40	PSS-BPSK	108	0	23.57	23.50	23.54	23.5	0.0	
40	PSS-BPSK	108	04	23.33	24.45	24.39	23.0	0.0	
40	PSS-BPSK	108	108	23.50	23.53	23.51			
40	PSS-BPSK	216	0	23.88	23.95	23.83	24.5	0.0	
40	QPSK	1	1	24.45	24.53	24.48			
40	QPSK	1	108	23.31	24.45	24.35	20.0	0.0	
40	QPSK	1	214	23.51	24.43	24.33			
40	QPSK	108	0	23.32	23.43	23.28	24.0	1.0	
40	QPSK	108	04	23.51	24.50	24.50	20.0	0.0	
40	QPSK	108	108	23.28	23.32	23.27			
40	MS-CAM	216	1	23.13	23.30	23.50	24.0	1.0	
40	MS-CAM	1	1	23.23	23.33	23.28	24.0	1.0	
40	MS-CAM	1	1	21.80	21.90	21.77	22.0	2.0	
40	25G-CAM	1	1	19.81	19.88	19.82	20.0	4.0	
Channel				24.500	24.500	24.500	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				24.5	24.45	24.5			
30	QPSK	1	1	24.30	24.35	24.30	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.20	24.40	24.41	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.10	24.45	24.19	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.20	24.40	24.53	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.10	24.45	24.18	20.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.34	24.40	24.34	20.0	0.0	



n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Middle Ch. Freq. 345000	Power High Ch. Freq. 345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.42	24.50	24.48	25.0	0.0	
Channel									
40	PSS-BPSK	1	108	24.50	24.45	24.55	25.0	0.0	
40	PSS-BPSK	1	214	24.50	24.43	24.54	24.5	0.5	
40	PSS-BPSK	108	0	23.97	23.99	23.94	24.5	0.5	
40	PSS-BPSK	108	54	24.33	24.45	24.39	24.0	0.0	
40	PSS-BPSK	108	108	23.90	23.93	23.87	24.5	0.5	
40	PSS-BPSK	216	0	23.89	23.95	23.83	24.5	0.5	
40	QPSK	1	1	24.45	24.53	24.48			
40	QPSK	1	108	24.31	24.45	24.35	25.0	0.0	
40	QPSK	1	214	24.31	24.43	24.33			
40	QPSK	108	0	23.32	23.43	23.28	24.0	1.0	
40	QPSK	108	54	24.31	24.36	24.25	25.0	0.0	
40	QPSK	108	108	23.28	23.32	23.27	24.0	1.0	
40	QPSK	216	0	23.12	23.26	23.19	24.0	1.0	
40	16QAM	1	1	23.23	23.33	23.28	24.0	1.0	
40	16QAM	1	1	23.90	23.95	23.92	25.0	0.5	
40	256QAM	1	1	19.81	19.85	19.82	20.0	4.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	17.20	17.45	17.30	18.00	0.0	
Channel									
Frequency (MHz)									
21	QPSK	1	1	24.26	24.47	24.41	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.20	17.45	17.30	18.00	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.26	24.43	24.33	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.45	17.30	18.00	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.34	24.48	24.34	25.0	0.0	

n66_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Middle Ch. Freq. 345000	Power High Ch. Freq. 345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	22.89	22.92	22.83			
40	PSS-BPSK	1	108	22.72	22.80	22.79	24.5	0.0	
40	PSS-BPSK	1	214	22.82	22.89	22.73			
40	PSS-BPSK	108	0	22.70	22.92	22.77	24.0	0.5	
40	PSS-BPSK	108	54	22.78	22.83	22.76	24.0	0.0	
40	PSS-BPSK	108	108	22.70	22.90	22.70			
40	PSS-BPSK	216	0	22.78	22.90	22.74	24.0	0.5	
40	QPSK	1	1	22.92	22.90	22.90			
40	QPSK	1	108	22.82	22.89	22.83	24.5	0.0	
40	QPSK	1	214	22.84	22.92	22.76			
40	QPSK	108	0	21.70	21.82	21.69	23.0	1.0	
40	QPSK	108	54	22.74	22.80	22.76	24.0	0.0	
40	QPSK	108	108	21.69	21.73	21.67	23.0	1.0	
40	16QAM	1	1	21.78	21.89	21.79	23.0	1.0	
40	16QAM	1	1	20.91	20.93	20.92	23.0	1.0	
40	256QAM	1	1	18.27	18.29	18.29	20.0	4.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.20	17.45	17.30	18.00	0.0	
Channel									
Frequency (MHz)									
23	QPSK	1	1	22.83	22.83	22.82	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.20	17.45	17.30	18.00	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.81	22.84	22.83	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.45	17.30	18.00	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.79	22.84	22.75	24.5	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 138000	Power Middle Ch. Freq. 138100	Power High Ch. Freq. 138000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.43	24.50	24.50			
20	PSS-BPSK	1	30	23.97	24.45	24.45	24.0	0.0	
20	PSS-BPSK	1	104	24.33	24.52	24.47			
20	PSS-BPSK	30	0	23.70	24.02	23.91	23.5	0.5	
20	PSS-BPSK	30	24	24.35	24.54	24.44	23.0	0.0	
20	PSS-BPSK	30	66	23.70	23.97	23.91	23.5	0.5	
20	PSS-BPSK	100	0	23.82	24.05	23.88			
20	QPSK	1	1	24.45	24.53	24.50			
20	QPSK	1	30	24.48	24.53	24.49	24.0	0.0	
20	QPSK	1	104	24.45	24.50	24.51			
20	QPSK	30	0	23.49	23.59	23.43	23.0	1.0	
20	QPSK	30	24	24.45	24.54	24.50	23.0	0.0	
20	QPSK	30	66	23.42	23.58	23.49			
20	QPSK	100	0	23.42	23.55	23.50	23.0	1.0	
20	16QAM	1	1	23.38	23.52	23.38	23.0	1.0	
20	16QAM	1	1	21.61	21.80	21.70	23.0	1.0	
20	256QAM	1	1	19.73	19.83	19.72	23.0	4.0	
Channel									
Frequency (MHz)									
15	PSS-BPSK	1	1	24.43	24.50	24.43	23.0	0.0	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	24.43	24.52	24.51	23.0	0.0	
Channel									
Frequency (MHz)									
5	PSS-BPSK	1	1	24.50	24.54	24.51	23.0	0.0	



n71_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Middle Ch. (dBm)	Power High Ch. (dBm)	Tune-up level (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				134500	135100	135700			
				0	0	0			
20	PI-CBPSK	1	1	24.43	24.53	24.55			
20	PI-CBPSK	1	50	24.37	24.48	24.49	20.0		
20	PI-CBPSK	1	104	24.33	24.52	24.47			
20	PI-CBPSK	50	0	23.79	24.05	23.75	25.5		
20	PI-CBPSK	50	26	24.35	24.54	24.44	25.0		
20	PI-CBPSK	50	50	23.75	23.97	23.75			
20	PI-CBPSK	100	0	23.82	24.25	23.89	25.5		
20	QPSK	1	1	24.49	24.53	24.55			
20	QPSK	1	50	24.48	24.53	24.49	20.0		
20	QPSK	1	104	24.49	24.55	24.51			
20	QPSK	50	0	23.49	23.59	23.43	25.0		
20	QPSK	50	26	24.49	24.54	24.39	25.0		
20	QPSK	50	50	23.42	23.55	23.39			
20	QPSK	100	0	23.42	23.55	23.39	25.0		
20	16QAM	1	1	23.98	23.52	23.39	25.0		
20	16QAM	1	1	23.74	23.25	23.15	23.5		
20	256QAM	1	1	19.33	19.83	19.32	21.5		
Channel									
Frequency (MHz)				135100	135700	136300		Tuning level MPS	
10	PI-CBPSK	1	1	24.43	24.53	24.42	20.0		
Channel				135700	136300	136900			
10	PI-CBPSK	1	1	24.43	24.53	24.51	20.0		
Frequency (MHz)				136300	136900	137500			
5	PI-CBPSK	1	1	24.43	24.53	24.51	20.0		

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BW [MHz]	Modulation	RB Size	2.813	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	24.33	24.38	24.30		
40	P12 BPSK	1	83	24.27	24.30	24.21	25.0	0.0
40	P12 BPSK	1	104	24.20	24.28	24.24		
40	P12 BPSK	50	0	23.74	23.80	23.74	24.5	0.5
40	P12 BPSK	50	28	24.20	24.32	24.23	25.0	0.0
40	P12 BPSK	50	86	23.89	23.88	23.74	24.5	0.5
40	P12 BPSK	100	0	23.75	23.75	23.75		
40	QPSK	1	1	24.38	24.42	24.35		
40	QPSK	1	83	24.28	24.33	24.20	25.0	0.0
40	QPSK	1	104	24.17	24.26	24.20		
40	QPSK	50	0	23.18	23.26	23.13		
40	QPSK	50	28	24.23	24.35	24.27	25.0	0.0
40	QPSK	50	86	23.14	23.26	23.11		
40	QPSK	100	0	23.10	23.22	23.09	24.0	1.0
40	QPSK	100	0	23.04	23.18	23.09	24.0	1.0
40	16QAM	1	1	23.75	23.82	23.71	23.5	0.5
40	16QAM	1	1	23.75	23.82	23.71	23.5	0.5
40	256QAM	1	1	19.75	19.84	19.70	20.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.28	24.30	24.19	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.23	24.35	24.29	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.24	24.35	24.23	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.77.51	23.85	23.72.49		
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.23	24.23	24.24	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.25	24.27	24.23	25.0	0.0

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BW [MHz]	Modulation	RB Size	2.813	Power Low Ch. / Freq.	Power Med. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	P12 BPSK	1	1	24.33	24.38	24.30		
40	P12 BPSK	1	83	24.27	24.30	24.21	25.0	0.0
40	P12 BPSK	1	104	24.20	24.28	24.24		
40	P12 BPSK	50	0	23.74	23.80	23.74	24.5	0.5
40	P12 BPSK	50	28	24.20	24.32	24.23	25.0	0.0
40	P12 BPSK	50	86	23.89	23.88	23.74	24.5	0.5
40	P12 BPSK	100	0	23.74	23.79	23.75		
40	QPSK	1	1	24.38	24.42	24.35		
40	QPSK	1	83	24.28	24.33	24.20	25.0	0.0
40	QPSK	1	104	24.17	24.26	24.20		
40	QPSK	50	0	23.18	23.26	23.13		
40	QPSK	50	28	24.23	24.35	24.27	25.0	0.0
40	QPSK	50	86	23.14	23.26	23.11		
40	QPSK	100	0	23.16	23.22	23.08	24.0	1.0
40	16QAM	1	1	23.04	23.18	23.09	24.0	1.0
40	16QAM	1	1	23.75	23.82	23.71	23.5	0.5
40	256QAM	1	1	19.75	19.84	19.70	20.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.28	24.30	24.19	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	24.23	24.35	24.29	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.24	24.35	24.23	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.77.51	23.85	23.72.49		
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.23	24.27	24.23	25.0	0.0

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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								
Frequency (MHz)								
100	P12 BPSK	1	1	23.41	23.53	23.52		
100	P12 BPSK	1	187	23.33	23.45	23.43	25.0	0.0
100	P12 BPSK	1	271	23.39	23.37	23.38		
100	P12 BPSK	155	0	23.36	23.45	23.36	25.0	0.0
100	P12 BPSK	135	89	23.38	23.39	23.39	25.0	0.0
100	P12 BPSK	155	159	23.36	23.46	23.43		
100	P12 BPSK	155	0	23.35	23.48	23.45	25.0	0.0
100	QPSK	1	1	23.45	23.39	23.55		
100	QPSK	1	137	23.35	23.40	23.38	25.0	0.0
100	QPSK	1	271	23.48	23.53	23.41		
100	QPSK	135	0	23.30	23.38	23.32		
100	QPSK	135	89	23.30	23.41	23.27	25.0	0.0
100	QPSK	155	100	23.32	23.40			
100	QPSK	270	0	23.01	23.13	23.04	25.0	0.0
100	16QAM	1	1	23.48	23.53	23.38	25.0	0.0
100	16QAM	1	1	23.35	23.55	23.45	25.0	0.0
100	256QAM	1	1	21.86	21.92	21.85	23.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.55	23.49	23.42	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.36	23.54	23.48	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.37	23.51	23.44	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.36	23.52	23.49	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.36	23.53	23.41	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.30	23.42	23.43	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.11	23.02	23.04	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.35	23.41	23.42	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.31	23.54	23.43	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.32	23.53	23.44	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.15	23.43	23.47	25.0	0.0



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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									
Frequency (MHz)									
100	P12 BPSK	1	1	28.12	28.24	28.10			
100	P12 BPSK	1	137	28.05	28.14	28.03	27.5	0.0	
100	P12 BPSK	1	271	28.27	28.38	28.25			
100	P12 BPSK	135	0	28.07	28.07	28.04	27.0	0.5	
100	P12 BPSK	135	69	28.13	28.18	28.08	27.5	0.0	
100	P12 BPSK	135	136	28.12	28.18	28.08		27.0	0.5
100	P12 BPSK	270	0	28.09	28.08	28.33			
100	QPSK	1	1	28.10	28.08	28.33			
100	QPSK	1	137	28.03	28.11	28.08	27.5		
100	QPSK	1	271	28.21	28.29	28.11			
100	QPSK	135	0	28.07	28.10	28.17	28.5	1.0	
100	QPSK	135	69	28.04	28.09	28.08	27.5	0.0	
100	QPSK	135	136	28.10	28.22	28.07		26.5	1.0
100	QPSK	270	0	28.09	28.09	28.05	26.5	1.0	
100	TDMA	1	1	28.08	28.16	28.05	26.5	1.0	
100	SSB-AM	1	1	21.68	21.67	21.67	23.0	2.5	2.5
Channel									
Frequency (MHz)									
30	QPSK	1	1	28.53	28.57	28.57	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	28.02	28.09	28.09			
80	QPSK	1	1	28.58	28.57	28.58	27.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	28.58	28.58	28.03	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	28.02	28.09	28.09			
Channel									
Frequency (MHz)									
50	QPSK	1	1	28.04	28.11	28.04	27.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	28.02	28.10	28.02	27.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	28.53	28.57	28.57	27.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	28.02	28.17	28.02	27.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	28.02	28.08	28.05	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	28.03	28.10	28.04	27.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	28.02	28.17	28.05	27.5	0.0	

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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									
Frequency (MHz)									
40	P12 BPSK	1	1	22.46	22.53	22.42			
40	P12 BPSK	1	50	22.37	22.50	22.44	23.5	0.0	
40	P12 BPSK	1	104	22.46	22.54	22.43			
40	P12 BPSK	50	0	22.35	22.45	22.37	23.5	0.0	
40	P12 BPSK	50	26	22.47	22.58	22.52	23.5	0.0	
40	P12 BPSK	50	26	22.35	22.44	22.39	23.5	0.0	
40	P12 BPSK	100	0	22.31	22.40	22.38			
40	QPSK	1	50	22.28	22.36	22.47	23.5	0.0	
40	QPSK	1	104	22.35	22.54	22.45			
40	QPSK	50	0	22.18	22.22	22.22	23.5	0.0	
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0	
40	QPSK	50	26	22.16	22.17	22.30			
40	QPSK	100	0	22.17	22.18	22.18	23.5	0.0	
40	TDMA	1	1	22.02	22.17	22.11	23.5	0.0	
40	SSB-AM	1	1	22.07	22.17	22.05	23.5	1.0	
40	SSB-AM	1	1	20.05	20.13	20.05	20.5	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.09	22.43	22.31	23.5	0.0	
Channel									
Frequency (MHz)									

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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											
Frequency (MHz)											
40	P12 BPSK	1	1	22.46	22.53	22.42					
40	P12 BPSK	1	50	22.37	22.50	22.44	23.5	0.0			
40	P12 BPSK	1	104	22.46	22.54	22.43					
40	P12 BPSK	50	0	22.35	22.45	22.37	23.5	0.0			
40	P12 BPSK	50	26	22.47	22.58	22.52	23.5	0.0			
40	P12 BPSK	50	26	22.35	22.44	22.39	23.5	0.0			
40	P12 BPSK	100	0	22.31	22.40	22.38					
40	QPSK	1	1	22.35	22.59	22.50					
40	QPSK	1	50	22.28	22.36	22.47	23.5	0.0			
40	QPSK	1	104	22.33	22.54	22.45					
40	QPSK	50	0	22.18	22.22	22.22	23.5	0.0			
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0			
40	QPSK	50	26	22.16	22.17	22.30					
40	QPSK	100	0	22.17	22.18	22.18	23.5	0.0			
40	TDMA	1	1	22.02	22.17	22.11	23.5	0.0			
40	TDMA	1	1	22.07	22.17	22.05	23.5	1.0			
40	SSB-AM	1	1	20.05	20.13	20.05	20.5	3.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.09	22.43	22.31	23.5	0.0			
10	QPSK	1	1	22.39	22.43	22.31	23.5	0.0			

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3676	3624.99	3675.98		
40	PB2 BPSK	1	1	22.46	22.53	22.42		
40	PB2 BPSK	1	58	22.37	22.50	22.44	23.5	0.0
40	PB2 BPSK	1	104	22.46	22.54	22.43		
40	PB2 BPSK	50	9	22.55	22.46	22.57	23.5	0.0
40	PB2 BPSK	50	26	22.47	22.58	22.52	23.5	0.0
40	PB2 BPSK	50	28	22.35	22.44	22.36		
40	PB2 BPSK	100	9	22.51	22.46	22.38	23.5	0.0
40	QPSK	1	1	22.35	22.59	22.50		
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0
40	QPSK	1	104	22.53	22.54	22.45		
40	QPSK	50	9	22.14	22.24	22.35		
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0
40	QPSK	50	28	22.16	22.17	22.50		
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0
40	16QAM	1	1	22.07	22.17	22.08	23.5	1.0
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0
Channel				63800	64166	64532	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655.00	3624.99	3654.99	(dBm)	
30	QPSK	1	1	22.34	22.41	22.31	23.5	0.0
Channel				63734	64166	64600	Tune-up limit (dBm)	MPR
Frequency (MHz)				3674.99	3624.99	3674.99	(dBm)	
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0
Channel				63716	64166	64616	Tune-up limit (dBm)	MPR
Frequency (MHz)				3657.52	3624.99	3657.52	(dBm)	
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0
Channel				63700	64166	64613	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3654.98	(dBm)	
10	QPSK	1	1	22.39	22.43	22.31	23.5	0.0

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3676	3624.99	3675.98		
40	PB2 BPSK	1	1	22.46	22.53	22.42		
40	PB2 BPSK	1	58	22.37	22.50	22.44	23.5	0.0
40	PB2 BPSK	1	104	22.46	22.54	22.43		
40	PB2 BPSK	50	9	22.55	22.46	22.57	23.5	0.0
40	PB2 BPSK	50	26	22.47	22.58	22.52	23.5	0.0
40	PB2 BPSK	50	28	22.35	22.44	22.36		
40	PB2 BPSK	100	9	22.51	22.46	22.38	23.5	0.0
40	QPSK	1	1	22.35	22.59	22.50		
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0
40	QPSK	1	104	22.53	22.54	22.45		
40	QPSK	50	9	22.14	22.24	22.35		
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0
40	QPSK	50	28	22.16	22.17	22.50		
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0
40	16QAM	1	1	22.07	22.17	22.08	23.5	1.0
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0
Channel				63800	64166	64532	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655.00	3624.99	3654.99	(dBm)	
30	QPSK	1	1	22.34	22.41	22.31	23.5	0.0
Channel				63734	64166	64600	Tune-up limit (dBm)	MPR
Frequency (MHz)				3674.99	3624.99	3674.99	(dBm)	
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0
Channel				63716	64166	64616	Tune-up limit (dBm)	MPR
Frequency (MHz)				3657.52	3624.99	3657.52	(dBm)	
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0
Channel				63700	64166	64613	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3654.98	(dBm)	
10	QPSK	1	1	22.39	22.43	22.31	23.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Medium Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)		MPN (dB)
Channel				83280	83332	83366			
Frequency (MHz)				26.27	26.23	26.27			
100	PL2 BPSK	1	1		26.27		27.5	0.0	
100	PL2 BPSK	1	137		26.23				
100	PL2 BPSK	1	271		26.36				
100	PL2 BPSK	135	6		26.34		27.5	0.0	
100	PL2 BPSK	135	69		26.31		27.5	0.0	
100	PL2 BPSK	135	138		26.10		27.0	0.0	
100	PL2 BPSK	270	0		26.09				
100	QPSK	1	1		26.38		27.5	0.0	
100	QPSK	1	137		26.09				
100	QPSK	1	271		26.37				
100	QPSK	135	6		26.37		27.5	0.0	
100	QPSK	135	69		26.17				
100	QPSK	135	138		26.53				
100	QPSK	270	0		26.54		26.5	1.0	
100	BQAM	1	1		26.44		26.5	1.0	
100	BQAM	1	1		26.06		26.0	2.5	
100	BQAM	1	1		27.06		27.0	4.5	
Channel				83300	83332	83366	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				3486	3493.96	3500.92			
90	QPSK	1	1	26.26	26.24	26.26	27.5	0.0	
Channel				83300	83332	83366	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				3490.02	3493.96	3500			
80	QPSK	1	1	26.29	26.31	26.31	27.5	0.0	
Channel				83284	83332	83432	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83284	83332	83432			
70	QPSK	1	1	26.32	26.30	26.36	27.5	0.0	
Channel				83280	83332	83432	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83280	83332	83432			
60	QPSK	1	1	26.33	26.25	26.30	27.5	0.0	
Channel				83336	83332	83400	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83336	83332	83400			
50	QPSK	1	1	26.15	26.29	26.32	27.5	0.0	
Channel				83334	83332	83332	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83334	83332	83332			
40	QPSK	1	1	26.25	26.31	26.34	27.5	0.0	
Channel				83330	83332	83332	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83330	83332	83332			
30	QPSK	1	1	26.13	26.33	26.27	27.5	0.0	
Channel				83334	83332	83332	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83334	83332	83332			
25	QPSK	1	1	26.32	26.28	26.33	27.5	0.0	
Channel				83336	83332	83332	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83336	83332	83332			
20	QPSK	1	1	26.33	26.33	26.34	27.5	0.0	
Channel				83330	83332	83332	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83330	83332	83332			
15	QPSK	1	1	26.23	26.22	26.33	27.5	0.0	
Channel				83334	83332	83332	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83334	83332	83332			
10	QPSK	1	1	26.31	26.31	26.33	27.5	0.0	



n2_Ant 1								
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	Tune-up test (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
20	PSS-BPSK	1	1	23.85	23.85	23.85	25.0	0.0
20	PSS-BPSK	1	53	23.85	23.85	23.73	25.0	0.0
20	PSS-BPSK	1	104	23.75	23.85	23.77	24.5	0.5
20	PSS-BPSK	50	0	23.75	23.73	23.75	24.5	0.0
20	PSS-BPSK	50	26	23.72	23.82	23.88	24.0	0.0
20	PSS-BPSK	50	56	23.71	23.79	23.73	24.5	0.5
20	PSS-BPSK	100	0	23.21	23.35	23.15	24.5	0.5
20	QPSK	1	1	23.98	23.92	23.97	25.0	0.0
20	QPSK	1	53	23.78	23.84	23.85	25.0	0.0
20	QPSK	1	104	23.95	23.95	23.93	24.0	1.0
20	QPSK	50	0	23.88	23.88	23.93	24.0	0.0
20	QPSK	50	26	23.98	23.98	23.93	24.0	0.0
20	QPSK	50	56	23.98	23.92	23.98	24.0	1.0
20	16QAM	1	1	23.77	23.82	23.83	24.0	1.0
20	16QAM	1	1	23.46	23.56	23.48	23.5	2.5
20	256QAM	1	1	19.48	19.53	19.44	20.5	4.5
Channel								
Frequency [MHz]								
15	QPSK	1	1	17.02	17.02	17.02	18.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	17.02	17.02	17.02	18.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	17.02	17.02	17.02	18.0	0.0

State 6 Power								
n2_Ant 2								
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	Tune-up test (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
20	PSS-BPSK	1	1	18.09	18.02	17.89	19.0	0.0
20	PSS-BPSK	1	53	17.93	17.87	17.84	19.0	0.0
20	PSS-BPSK	1	104	17.92	17.88	17.91	19.0	0.0
20	PSS-BPSK	50	0	17.98	17.95	17.90	19.0	0.0
20	PSS-BPSK	50	26	17.98	18.00	17.95	19.0	0.0
20	PSS-BPSK	50	56	17.98	17.99	17.91	19.0	0.0
20	PSS-BPSK	100	0	17.87	17.83	17.79	19.0	0.0
20	QPSK	1	1	18.02	18.02	18.00	19.0	0.0
20	QPSK	1	53	17.97	17.82	17.89	19.0	0.0
20	QPSK	1	104	17.98	18.00	17.91	19.0	0.0
20	QPSK	50	0	17.88	17.85	17.84	19.0	0.0
20	QPSK	50	26	18.00	18.00	17.93	19.0	0.0
20	QPSK	50	56	17.89	17.87	17.88	19.0	0.0
20	16QAM	1	1	17.86	17.89	17.89	19.0	0.0
20	16QAM	1	1	17.81	17.81	17.80	19.0	0.0
20	256QAM	1	1	17.36	17.35	17.35	19.0	0.0
Channel								
Frequency [MHz]								
15	QPSK	1	1	17.02	17.02	17.02	18.0	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	17.02	17.02	17.02	18.0	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	17.02	17.02	17.02	18.0	0.0

n2_Ant 7								
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	Tune-up test (dBm)	MPR (dB)
Channel								
Frequency [MHz]								
20	PSS-BPSK	1	1	22.83	22.88	22.80	24.5	0.0
20	PSS-BPSK	1	53	22.87	22.83	22.80	24.5	0.0
20	PSS-BPSK	1	104	22.78	22.74	22.73	24.0	0.5
20	PSS-BPSK	50	0	22.78	22.78	22.73	24.0	0.5
20	PSS-BPSK	50	26	22.78	22.84	22.78	24.0	0.0
20	PSS-BPSK	50	56	22.77	22.73	22.70	24.0	0.5
20	PSS-BPSK	100	0	22.17	22.31	22.20	24.0	0.5
20	QPSK	1	1	22.80	22.85	22.80	24.5	0.0
20	QPSK	1	53	22.73	22.88	22.73	24.5	0.0
20	QPSK	1	104	22.87	22.83	22.74	23.5	1.0
20	QPSK	50	0	22.87	22.78	22.80	23.5	1.0
20	QPSK	50	26	22.78	22.86	22.73	24.5	0.0
20	QPSK	50	56	22.81	22.87	22.80	23.5	1.0
20	16QAM	1	1	22.74	22.83	22.70	23.5	1.0
20	16QAM	1	1	22.88	22.81	22.72	23.5	1.0
20	16QAM	1	1	22.77	22.82	22.70	23.0	1.5
20	256QAM	1	1	18.28	18.33	18.22	20.0	4.5
Channel								
Frequency [MHz]								
15	QPSK	1	1	22.80	22.83	22.77	24.5	0.0
Channel								
Frequency [MHz]								
10	QPSK	1	1	22.80	22.83	22.77	24.5	0.0
Channel								
Frequency [MHz]								
5	QPSK	1	1	22.80	22.83	22.77	24.5	0.0



n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 500000	Power Middle Ch. Freq. 500000	Power High Ch. Freq. 500000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	18.81	18.91	18.88			
40	PSSBPSK	1	108	18.85	18.75	18.78	18.0	0.0	
40	PSSBPSK	1	214	18.72	18.84	18.80			
40	PSSBPSK	108	0	18.71	18.84	18.80	18.0	0.0	
40	PSSBPSK	108	54	18.78	18.89	18.83	18.0	0.0	
40	PSSBPSK	108	108	18.82	18.77	18.87	18.0	0.0	
40	PSSBPSK	216	0	18.73	18.85	18.81			
40	QPSK	1	1	18.82	18.92	18.90			
40	QPSK	1	108	18.88	18.85	18.78	18.0	0.0	
40	QPSK	1	214	18.85	18.90	18.78			
40	QPSK	108	0	18.88	18.79	18.74	18.0	0.0	
40	QPSK	108	54	18.85	18.90	18.80	18.0	0.0	
40	QPSK	108	108	18.84	18.80	18.78	18.0	0.0	
40	QPSK	216	0	18.78	18.88	18.83			
40	16QAM	1	1	18.78	18.88	18.81	18.0	0.0	
40	16QAM	1	1	18.78	18.77	18.83	18.0	0.0	
40	256QAM	1	1	18.88	18.85	18.84	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.70	25.83	25.80	Tune-up limit	MPR	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.77	18.77	18.81	Tune-up limit	MPR	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.77	18.88	18.83	Tune-up limit	MPR	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.78	18.80	18.81	Tune-up limit	MPR	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.73	18.80	18.80	Tune-up limit	MPR	0.0

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 141500	Power Middle Ch. Freq. 141500	Power High Ch. Freq. 141500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSSBPSK	1	1	24.48	24.53	24.50			
10	PSSBPSK	1	40	24.53	24.41	24.49	26.0	0.0	
10	PSSBPSK	1	77	24.38	24.47	24.45			
10	PSSBPSK	36	0	23.98	23.91	23.90	25.5	0.5	
10	PSSBPSK	36	22	24.42	24.43	24.40	26.0	0.0	
10	PSSBPSK	36	48	23.91	23.93	23.90	25.5	0.5	
10	PSSBPSK	76	0	23.84	23.93	23.89			
10	QPSK	1	1	24.50	24.50	24.50			
10	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
10	QPSK	1	77	24.39	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.57	26.0	1.0	
10	QPSK	36	22	24.47	24.52	24.38	26.0	0.0	
10	QPSK	36	48	23.48	23.58	23.49	25.0	1.0	
10	16QAM	1	1	23.90	23.98	23.93			
10	16QAM	1	1	23.42	23.55	23.49	26.0	1.0	
10	16QAM	1	1	22.92	22.93	22.92	25.0	2.5	
10	256QAM	1	1	19.98	20.04	19.94	21.0	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.42	24.44	24.42	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.42	24.42	24.38	26.0	0.0	

n12_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 141500	Power Middle Ch. Freq. 141500	Power High Ch. Freq. 141500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSSBPSK	1	1	24.48	24.53	24.50			
10	PSSBPSK	1	40	24.53	24.41	24.49	26.0	0.0	
10	PSSBPSK	1	77	24.38	24.47	24.45			
10	PSSBPSK	36	0	23.98	23.91	23.90	25.5	0.5	
10	PSSBPSK	36	22	24.42	24.43	24.40	26.0	0.0	
10	PSSBPSK	36	48	23.91	23.93	23.90	25.5	0.5	
10	PSSBPSK	76	0	23.84	23.93	23.89			
10	QPSK	1	1	24.50	24.50	24.50			
10	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
10	QPSK	1	77	24.39	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.57	26.0	1.0	
10	QPSK	36	22	24.47	24.52	24.38	26.0	0.0	
10	QPSK	36	48	23.48	23.58	23.49	25.0	1.0	
10	16QAM	1	1	23.90	23.98	23.93			
10	16QAM	1	1	23.42	23.55	23.49	26.0	1.0	
10	16QAM	1	1	22.92	22.93	22.92	25.0	2.5	
10	256QAM	1	1	19.98	20.04	19.94	21.0	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.42	24.44	24.42	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.42	24.42	24.38	26.0	0.0	



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.45	24.45	24.45			
20	QPSK	1	53	24.54	24.55	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.45	24.45	24.39			
20	PSS-BPSK	50	0	23.95	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.45	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	50	23.95	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.56	24.48			
20	QPSK	50	0	23.95	23.98	23.93	26.0	1.0	
20	QPSK	50	26	24.45	24.56	24.53	26.0	0.0	
20	QPSK	50	50	23.95	23.98	23.88	25.0	1.0	
20	QPSK	100	0	23.95	23.93	23.97	26.0	1.0	
20	16QAM	1	1	23.95	23.95	23.95	25.5	2.5	
20	256QAM	1	1	20.95	20.95	20.91	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.95	16.95	16.92	Tune-up limit	MPR	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	816.5	811.5	816.5	24.5	1.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	22.89	22.90	22.90			
20	PSS-BPSK	1	50	22.89	22.90	22.97	24.5	0.0	
20	PSS-BPSK	1	104	22.83	22.83	22.87			
20	PSS-BPSK	50	0	22.87	22.90	22.91	24.5	0.0	
20	PSS-BPSK	50	26	22.86	22.82	22.87	24.5	0.0	
20	PSS-BPSK	50	50	22.75	22.81	22.87	24.5	0.0	
20	PSS-BPSK	100	0	22.89	23.00	22.89	24.5	0.0	
20	QPSK	1	1	23.77	23.80	23.75			
20	QPSK	1	53	23.70	23.82	23.69	24.5	0.0	
20	QPSK	1	104	22.80	22.80	22.85			
20	QPSK	50	0	22.86	22.88	22.92	24.5	0.0	
20	QPSK	50	26	22.80	22.84	22.90	24.5	0.0	
20	QPSK	50	50	22.70	22.71	22.80	24.5	0.0	
20	QPSK	100	0	22.70	22.80	22.70	24.5	0.0	
20	16QAM	1	1	22.79	22.79	22.87	24.5	0.0	
20	64QAM	1	1	21.99	22.01	21.98	23.5	1.0	
20	256QAM	1	1	20.04	20.02	20.11	21.5	3.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	811.5	811.5	811.5	Tune-up limit	MPR	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.88	22.88	22.87	24.5	1.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.83	22.83	22.81	24.5	0.0	

n30_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 462000)	Power Middle Ch. 1 (Peak 462000)	Power High Ch. 1 (Peak 462000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
10	PSS-BPSK	1	1		18.92				
10	PSS-BPSK	1	26		18.87		18.0	0.0	
10	PSS-BPSK	1	50		18.89				
10	PSS-BPSK	25	0		18.87		18.0	0.0	
10	PSS-BPSK	25	14		18.87		18.0	0.0	
10	PSS-BPSK	25	27		18.85		18.0	0.0	
10	PSS-BPSK	50	0		18.88		18.0	0.0	
10	QPSK	1	1		18.92				
10	QPSK	1	26		18.91		18.0	0.0	
10	QPSK	1	50		18.92		18.0	0.0	
10	QPSK	25	0		18.92		18.0	0.0	
10	QPSK	25	14		18.92		18.0	0.0	
10	QPSK	25	27		18.92		18.0	0.0	
10	16QAM	1	1		18.91		18.0	0.0	
10	16QAM	1	1		18.84		18.0	0.0	
10	64QAM	1	1		18.90		18.0	0.0	
10	256QAM	1	1		18.87		18.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.84	22.87	22.85	24.0	0.0	



n30_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	19.73			19.0	0.0	
10	PSS-BPSK	1	26	19.67					
10	PSS-BPSK	1	50	19.60					
10	PSS-BPSK	25	0	19.67			19.0	0.0	
10	PSS-BPSK	25	27	19.60					
10	PSS-BPSK	50	0	19.60			19.0	0.0	
10	QPSK	1	1	19.73					
10	QPSK	1	26	19.71			19.0	0.0	
10	QPSK	1	50	19.72					
10	QPSK	25	0	19.72			19.0	0.0	
10	QPSK	25	14	19.72					
10	QPSK	25	27	19.72			19.0	0.0	
10	QPSK	50	0	19.71					
10	MSKAM	1	1	19.65			19.0	0.0	
10	MSKAM	1	1	19.66					
10	25GQAM	1	1	19.67			19.0	0.0	
Channel				20.10	20.00	20.00	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				20.07.5	20.10	20.12.0			
5	QPSK	1	1	19.74	19.60	19.60	19.0	0.0	

n30_Ant 7									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	20.00					
10	PSS-BPSK	1	26	20.03					
10	PSS-BPSK	1	50	20.06					
10	PSS-BPSK	25	0	20.03			22.0	0.0	
10	PSS-BPSK	25	14	20.06					
10	PSS-BPSK	25	27	20.03			22.0	0.0	
10	PSS-BPSK	50	0	20.03			22.0	0.0	
10	QPSK	1	1	20.00					
10	QPSK	1	26	20.01			22.0	0.0	
10	QPSK	1	50	20.07					
10	QPSK	25	0	20.07			22.0	0.0	
10	QPSK	25	14	20.00					
10	QPSK	25	27	20.06			22.0	0.0	
10	MSKAM	1	1	20.05			22.0	0.0	
10	MSKAM	1	1	20.06					
10	25GQAM	1	1	20.07			22.0	0.0	
Channel				20.10	20.00	20.00	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				20.07.5	20.10	20.12.0			
5	QPSK			20.10	20.10	20.10	22.0	0.0	

n66_Ant 1									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.42	24.50	24.45			
40	PSS-BPSK	1	108	24.50	24.43	24.54	25.0	0.0	
40	PSS-BPSK	1	214	24.55	24.43	24.54			
40	PSS-BPSK	108	0	24.57	24.50	24.54	24.5	0.0	
40	PSS-BPSK	108	84	24.53	24.45	24.59			
40	PSS-BPSK	108	108	24.50	24.53	24.51	24.5	0.0	
40	PSS-BPSK	216	0	24.58	24.50	24.53			
40	QPSK	1	1	24.45	24.53	24.48			
40	QPSK	1	108	24.51	24.45	24.55	25.0	0.0	
40	QPSK	1	214	24.51	24.43	24.53			
40	QPSK	108	0	24.52	24.43	24.58	24.0	1.0	
40	QPSK	108	84	24.51	24.50	24.52			
40	QPSK	108	108	24.58	24.52	24.57	24.0	1.0	
40	MSKAM	216	0	24.53	24.50	24.51			
40	MSKAM	1	1	24.50	24.50	24.50	24.0	1.0	
40	MSKAM	1	1	24.50	24.50	24.50	24.0	1.0	
40	25GQAM	1	1	24.51	24.50	24.52	24.0	0.0	
Channel				24.50	24.50	24.50	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				24.475	24.45	24.45			
30	QPSK	1	1	24.50	24.50	24.50	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.49	24.47	24.41			
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.50	24.48	24.54	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.49	24.43	24.53	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.50	24.48	24.48	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.50	24.50	24.50	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.54	24.48	24.54	25.0	0.0	



n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Media Ch. Freq. 345000	Power High Ch. Freq. 345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSB-SSB	1	1	18.46	18.52	18.48	19.0	0.0	
40	PSSB-SSB	1	108	18.52	18.44	18.57	19.0	0.0	
40	PSSB-SSB	1	214	18.58	18.45	18.52	19.0	0.0	
40	PSSB-SSB	108	0	18.54	18.42	18.53	19.0	0.0	
40	PSSB-SSB	108	54	18.43	18.55	18.48	19.0	0.0	
40	PSSB-SSB	108	108	18.34	18.38	18.35	19.0	0.0	
40	PSSB-SSB	216	0	18.41	18.46	18.42	19.0	0.0	
40	QPSK	1	1	18.48	18.55	18.50			
40	QPSK	1	108	18.48	18.43	18.41	19.0	0.0	
40	QPSK	1	214	18.55	18.48	18.38	19.0	0.0	
40	QPSK	108	0	18.55	18.47	18.38	19.0	0.0	
40	QPSK	108	54	18.45	18.53	18.48	19.0	0.0	
40	QPSK	108	108	18.37	18.47	18.39	19.0	0.0	
40	QPSK	216	0	18.43	18.50	18.45	19.0	0.0	
40	16QAM	1	1	18.42	18.48	18.45	19.0	0.0	
40	16QAM	1	1	18.41	18.48	18.45	19.0	0.0	
40	256QAM	1	1	18.35	18.48	18.41	19.0	0.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	17.25	17.45	17.35	17.0	0.0	
Channel									
Frequency (MHz)									
21	QPSK	1	1	18.30	18.46	18.48	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.25	17.45	17.35	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.30	18.41	18.44	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.45	17.30	17.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.30	18.45	18.48	19.0	0.0	

n66_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Media Ch. Freq. 345000	Power High Ch. Freq. 345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSB-SSB	1	1	22.88	22.92	22.89			
40	PSSB-SSB	1	108	22.72	22.88	22.79	24.5	0.0	
40	PSSB-SSB	1	214	22.82	22.89	22.79			
40	PSSB-SSB	108	0	22.79	22.92	22.77	24.0	0.5	
40	PSSB-SSB	108	54	22.78	22.83	22.78	24.0	0.0	
40	PSSB-SSB	108	108	22.59	22.92	22.76	24.0	0.5	
40	PSSB-SSB	216	0	22.78	22.93	22.74	24.0	0.5	
40	QPSK	1	0	22.92	22.90	22.90			
40	QPSK	1	108	22.82	22.88	22.85	24.5	0.0	
40	QPSK	1	214	22.84	22.92	22.78			
40	QPSK	108	0	21.79	21.82	21.80	23.0	1.0	
40	QPSK	108	54	22.74	22.80	22.76	24.5	0.0	
40	QPSK	108	108	21.88	21.73	21.87	23.5	1.0	
40	16QAM	1	1	21.78	21.80	21.79	23.0	1.0	
40	16QAM	1	1	20.97	20.93	20.97	22.0	2.5	
40	256QAM	1	1	18.97	18.39	18.29	20.0	4.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.25	17.45	17.35	17.0	0.0	
Channel									
Frequency (MHz)									
23	QPSK	1	1	22.85	22.87	22.82	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.25	17.45	17.35	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.81	22.84	22.83	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.45	17.30	17.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.79	22.84	22.75	24.5	0.0	

n71_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 1381000	Power Media Ch. Freq. 1381100	Power High Ch. Freq. 1381200	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSSB-SSB	1	1	24.43	24.60	24.55			
20	PSSB-SSB	1	36	23.97	24.45	24.40	24.0	0.0	
20	PSSB-SSB	1	104	24.33	24.52	24.47			
20	PSSB-SSB	36	0	23.70	24.02	23.91	23.5	0.5	
20	PSSB-SSB	36	36	24.35	24.54	24.44	23.0	0.0	
20	PSSB-SSB	36	72	23.70	23.97	23.91	23.5	0.5	
20	PSSB-SSB	100	0	23.82	24.05	23.88			
20	QPSK	1	1	24.45	24.53	24.50			
20	QPSK	1	36	24.48	24.53	24.49	24.0	0.0	
20	QPSK	1	104	24.45	24.50	24.51			
20	QPSK	36	0	23.49	23.59	23.43	23.0	1.0	
20	QPSK	36	36	24.45	24.54	24.50	23.0	0.0	
20	QPSK	36	56	23.42	23.58	23.49			
20	QPSK	100	0	23.42	23.55	23.50	23.0	1.0	
20	16QAM	1	1	23.38	23.52	23.38	23.0	1.0	
20	16QAM	1	1	21.61	21.85	21.73	21.5	2.5	
20	256QAM	1	1	19.73	19.83	19.72	19.5	4.0	
Channel									
Frequency (MHz)									
15	PSSB-SSB	1	1	24.43	24.55	24.49	23.0	0.0	
Channel									
Frequency (MHz)									
10	PSSB-SSB	1	1	24.43	24.52	24.51	23.0	0.0	
Channel									
Frequency (MHz)									
5	PSSB-SSB	1	1	24.55	24.54	24.51	23.0	0.0	



n71_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Middle Ch. (dBm)	Power High Ch. (dBm)	Tune-up level (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				24.43	24.43	24.43			
20	PI-CBPSK	1	1	24.43	24.43	24.43			
20	PI-CBPSK	1	50	24.37	24.43	24.49	26.0	0.0	
20	PI-CBPSK	1	104	24.33	24.33	24.47			
20	PI-CBPSK	80	0	23.79	24.43	23.79	25.5	0.5	
20	PI-CBPSK	80	26	24.38	24.44	24.44	25.0	0.0	
20	PI-CBPSK	80	50	23.79	23.77	23.79			
20	PI-CBPSK	100	0	23.82	24.25	23.88	25.5	0.5	
20	QPSK	1	1	24.49	24.43	24.49			
20	QPSK	1	50	24.48	24.53	24.49	26.0	0.0	
20	QPSK	1	104	24.49	24.50	24.51			
20	QPSK	80	0	23.49	23.59	23.49	25.0	1.0	
20	QPSK	80	26	24.49	24.54	24.50	25.0	0.0	
20	QPSK	80	50	23.42	23.55	23.70	25.0	1.0	
20	16QAM	1	1	23.98	23.52	23.98	25.0	1.0	
20	16QAM	1	1	23.74	23.26	23.74	23.5	2.5	
20	256QAM	1	1	19.73	19.83	19.77	21.5	4.0	
Channel									
Frequency (MHz)				24.43	24.43	24.43			
10	PI-CBPSK	1	1	24.43	24.43	24.43	26.0	0.0	
Channel				137000	137100	137000	Tune-up level	MPS	
Frequency (MHz)				24.43	24.43	24.43			
10	PI-CBPSK	1	1	24.43	24.43	24.43	26.0	0.0	
Channel				137100	137100	137100			
Frequency (MHz)				24.43	24.43	24.43			
5	PI-CBPSK	1	1	24.43	24.43	24.43	26.0	0.0	

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3676	3624.99	3679.98		
40	PB2 BPSK	1	1	21.51	21.50	21.48		
40	PB2 BPSK	1	58	21.53	21.48	21.52	22.5	0.0
40	PB2 BPSK	1	104	21.54	21.45	21.40		
40	PB2 BPSK	50	9	21.56	21.47	21.37	22.5	0.0
40	PB2 BPSK	50	28	21.50	21.58	21.43	22.5	0.0
40	PB2 BPSK	50	26	21.53	21.48	21.38	22.5	0.0
40	PB2 BPSK	100	9	21.53	21.55	21.40		
40	QPSK	1	1	21.58	21.52	21.51		
40	QPSK	1	53	21.58	21.54	21.48	22.5	0.0
40	QPSK	1	104	21.52	21.49	21.37		
40	QPSK	50	9	21.54	21.51	21.43		
40	QPSK	50	28	21.53	21.50	21.48	22.5	0.0
40	QPSK	50	26	21.59	21.56	21.42		
40	QPSK	100	9	21.50	21.58	21.45	22.5	0.0
40	16QAM	1	1	21.50	21.54	21.37	22.5	0.0
40	16QAM	1	1	21.52	21.48	21.45	22.5	0.0
40	256QAM	1	1	20.05	20.15	20.05	20.5	7.0
Channel				3655.00	3624.99	3654.99	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655.00	3624.99	3654.99		
30	QPSK	1	1	21.21	21.48	21.50	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				637334	641666	646000		
20	QPSK	1	1	21.51	21.53	21.41	22.5	0.0
Channel				637168	641660	646168	Tune-up limit (dBm)	MPR
Frequency (MHz)				637168	641660	646168		
15	QPSK	1	1	21.23	21.55	21.38	22.5	0.0
Channel				3655.00	3624.99	3654.98	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3654.98		
10	QPSK	1	1	21.21	21.48	21.50	22.5	0.0

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3676	3624.99	3679.98		
40	PB2 BPSK	1	1	22.46	22.53	22.42		
40	PB2 BPSK	1	83	22.37	22.50	22.44	23.5	0.0
40	PB2 BPSK	1	104	22.46	22.54	22.43		
40	PB2 BPSK	50	9	22.50	22.46	22.37	23.5	0.0
40	PB2 BPSK	50	28	22.47	22.58	22.52	23.5	0.0
40	PB2 BPSK	50	26	22.50	22.44	22.32	23.5	0.0
40	PB2 BPSK	100	9	22.51	22.48	22.36		
40	QPSK	1	1	22.55	22.59	22.50		
40	QPSK	1	53	22.58	22.56	22.47	23.5	0.0
40	QPSK	1	104	22.53	22.54	22.45		
40	QPSK	50	9	22.16	22.52	22.52		
40	QPSK	50	28	22.53	22.49	22.40	23.5	0.0
40	QPSK	50	26	22.56	22.17	22.30		
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0
40	16QAM	1	1	22.07	22.17	22.05	22.5	1.0
40	256QAM	1	1	20.05	20.13	20.05	20.5	7.0
Channel				637334	641660	646168	Tune-up limit (dBm)	MPR
Frequency (MHz)				637334	641660	646168		
30	QPSK	1	1	22.58	22.41	22.31	23.5	0.0
Channel				637334	641660	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				637334	641660	646000		
20	QPSK	1	1	22.59	22.46	22.31	23.5	0.0
Channel				637168	641660	646168	Tune-up limit (dBm)	MPR
Frequency (MHz)				637168	641660	646168		
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0
Channel				3655.00	3624.99	3654.98	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3654.98		
10	QPSK	1	1	22.50	22.43	22.51	23.5	0.0

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RV [MHz]	Modulation	RF Slew	RF Offset	Power [dBm] Ch. 1 / Ch. 2	Power [dBm] Ch. 3 / Ch. 4	Power [dBm] Ch. 5 / Ch. 6	Turn-up (int. unit)	MPH (dB)
Channel								
100	FSK BPSK	1	1	21.13	21.13			
100	FSK BPSK	1	137	21.13	21.13	22.5	0.0	
100	FSK BPSK	1	271	21.13	21.13	22.5	0.0	
100	FSK BPSK	1	405	21.13	21.13	22.5	0.0	
100	FSK BPSK	135	66	21.13	21.13	22.5	0.0	
100	FSK BPSK	135	200	21.13	21.13	22.5	0.0	
100	FSK BPSK	270	0	21.13	21.13	22.5	0.0	
100	QPSK	1	137	21.13	21.13	22.5	0.0	
100	QPSK	1	271	21.13	21.13			
100	QPSK	135	66	21.13	21.13	22.5	0.0	
100	QPSK	135	200	21.13	21.13	22.5	0.0	
100	QPSK	270	0	21.13	21.13	22.5	0.0	
100	MSK4M	1	1	21.13	21.13	22.5	0.0	
100	MSK4M	1	1	21.13	21.13	22.5	0.0	
100	SSB4M	1	1	21.13	21.13	22.5	0.0	
Channel								
				83800	83800	83800	Turn-up (int. unit)	MPH
50	QPSK	Frequency (MHz)	1	21.06	21.08	20.98	22.5	0.0
	Frequency (MHz)			83800	83800	83800	Turn-up (int. unit)	MPH
	Frequency (MHz)			83800	83800	83800	Turn-up (int. unit)	MPH
50	QPSK	1	1	21.06	21.08	21.03	22.5	0.0
	Frequency (MHz)			316.51	316.52	316.4	22.5	0.0
70	QPSK	Frequency (MHz)	1	21.08	21.08	21.08	22.5	0.0
	Frequency (MHz)			83800	83800	83800	Turn-up (int. unit)	MPH
	Frequency (MHz)			83800	83800	83800	Turn-up (int. unit)	MPH
80	QPSK	1	1	20.99	21.09	21.04	22.5	0.0
	Frequency (MHz)			3173.07	3173.09	3173.09	22.5	0.0
50	QPSK	1	1	21.07	21.07	21.07	22.5	0.0
	Frequency (MHz)			83134	83132	83132	Turn-up (int. unit)	MPH
	Frequency (MHz)			83210	83210	83210	Turn-up (int. unit)	MPH
40	QPSK	1	1	21.05	21.05	21.05	22.5	0.0
	Frequency (MHz)			83100	83100	83099	Turn-up (int. unit)	MPH
30	QPSK	1	1	20.95	21.04	21.00	22.5	0.0
	Frequency (MHz)			83100	83100	83100	Turn-up (int. unit)	MPH
20	QPSK	1	1	21.04	21.05	21.05	22.5	0.0
	Frequency (MHz)			83068	83068	83068	Turn-up (int. unit)	MPH
	Frequency (MHz)			83072	83072	83068	Turn-up (int. unit)	MPH
20	QPSK	1	1	21.04	21.10	21.00	22.5	0.0
	Frequency (MHz)			3487.9	3498.8	3494.8	22.5	0.0
10	QPSK	1	1	20.97	21.10	20.87	22.5	0.0
	Frequency (MHz)			83034	83032	83030	Turn-up (int. unit)	MPH
10	QPSK	1	1	21.03	21.05	21.04	22.5	0.0

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Bit/Hz	Modulation	RB Size	RB Offset	Power [dBm] C/I: Flats	Power [dBm] C/I: Flats	Power [dBm] C/I: Flats	Turn-up time [min]	MPE [dB]
Channel								
150	PSK BPSK	1	1	23.80	23.83	23.80		
150	Frequency [MHz]	1	137	23.80	23.83	23.80	25.0	0.0
150	PSK BPSK	1	271	23.80	23.83	23.80		
150	Frequency [MHz]	1	271	23.80	23.83	23.80	25.0	0.0
150	PSK BPSK	135	69	23.80	23.83	23.80	25.0	0.0
150	Frequency [MHz]	135	69	23.80	23.83	23.80	25.0	0.0
150	PSK BPSK	270	0	23.80	23.83	23.80		
150	Frequency [MHz]	270	0	23.80	23.83	23.80	25.0	0.0
150	QPSK	1	137	23.85	23.88	23.85	25.0	0.0
150	Frequency [MHz]	1	137	23.85	23.88	23.85		
150	QPSK	135	69	23.85	23.88	23.85	25.0	0.0
150	Frequency [MHz]	135	69	23.85	23.88	23.85	25.0	0.0
150	QPSK	270	0	23.85	23.88	23.85		
150	Frequency [MHz]	270	0	23.85	23.88	23.85	25.0	0.0
150	64QAM	1	1	23.81	23.81	23.81		
150	Frequency [MHz]	1	1	23.81	23.81	23.81	25.0	0.0
150	64QAM	1	1	23.81	23.81	23.81		
150	Frequency [MHz]	1	1	23.80	23.80	23.80	25.0	0.0
Channel								
				23.80	23.832	23.868	Turn-up time	MPE
80	QPSK	Frequency [MHz]	1	23.80	23.81	23.72	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.82	23.83	23.80	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.78	23.81	23.78	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.72	23.81	23.72	25.0	0.0
70	QPSK	Frequency [MHz]	1	23.74	23.74	23.74	25.0	0.0
70	QPSK	Frequency [MHz]	1	23.74	23.74	23.74	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.74	23.75	23.74	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.74	23.75	23.74	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.72	23.73	23.72	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.72	23.73	23.72	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.70	23.71	23.70	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.70	23.71	23.70	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.68	23.69	23.68	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.68	23.69	23.68	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.66	23.67	23.66	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.66	23.67	23.66	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.64	23.65	23.64	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.64	23.65	23.64	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.62	23.63	23.62	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.62	23.63	23.62	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.60	23.61	23.60	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.60	23.61	23.60	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.58	23.59	23.58	25.0	0.0
80	QPSK	Frequency [MHz]	1	23.58	23.59	23.58	25.0	0.0

Par27Q n77 HPUE_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Medium Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)		MPN (dB)
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1		28.27		27.5	0.0	
100	PL2 BPSK	1	137		28.23				
100	PL2 BPSK	1	271		28.36				
100	PL2 BPSK	135	6		28.34		27.5	0.0	
100	PL2 BPSK	135	69		28.31		27.5	0.0	
100	PL2 BPSK	135	138		28.10		27.0	0.0	
100	PL2 BPSK	270	0		28.09				
100	QPSK	1	1		28.38		27.5	0.0	
100	QPSK	1	137		28.09				
100	QPSK	135	271		28.37				
100	QPSK	135	0		28.37		27.5	0.0	
100	QPSK	135	69		28.17				
100	QPSK	135	138		28.53				
100	QPSK	270	0		28.54		26.5	1.0	
100	BQAM	1	1		28.44		26.5	1.0	
100	BQAM	1	1		28.06		26.0	2.5	
100	BQAM	1	1		27.95		25.0	4.5	
Channel				833000	833332	833666	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				8486	8499.96	8509.99			
90	QPSK	1	1	28.25	28.24	28.26	27.5	0.0	
Channel				833000	833332	833666	Tune-up limit (dBm)		MPN (dB)
80	QPSK	1	1	28.28	28.31	28.31	27.5	0.0	
Channel				83284	833332	83432	Tune-up limit (dBm)		MPN (dB)
70	QPSK	1	1	28.32	28.30	28.36	27.5	0.0	
Channel				83280	833332	83466	Tune-up limit (dBm)		MPN (dB)
60	QPSK	1	1	28.33	28.25	28.30	27.5	0.0	
Channel				83366	833332	83400	Tune-up limit (dBm)		MPN (dB)
50	QPSK	1	1	28.25	28.29	28.32	27.5	0.0	
Channel				83334	833332	83332	Tune-up limit (dBm)		MPN (dB)
40	QPSK	1	1	28.25	28.31	28.34	27.5	0.0	
Channel				83330	833332	83332	Tune-up limit (dBm)		MPN (dB)
30	QPSK	1	1	28.33	28.33	28.27	27.5	0.0	
Channel				83334	833332	83332	Tune-up limit (dBm)		MPN (dB)
25	QPSK	1	1	28.32	28.28	28.33	27.5	0.0	
Channel				83334	833332	83366	Tune-up limit (dBm)		MPN (dB)
20	QPSK	1	1	28.33	28.33	28.24	27.5	0.0	
Channel				83330	833332	83366	Tune-up limit (dBm)		MPN (dB)
15	QPSK	1	1	28.23	28.22	28.33	27.5	0.0	
Channel				83334	833332	83332	Tune-up limit (dBm)		MPN (dB)
10	QPSK	1	1	28.31	28.31	28.33	27.5	0.0	



n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 141700	Power Middle Ch. Freq. 141700	Power High Ch. Freq. 141700	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	14.70	14.81	14.77	16.0	0.0	
40	PSS-BPSK	1	108	14.71	14.79	14.82	16.0	0.0	
40	PSS-BPSK	1	214	14.74	14.85	14.87	16.0	0.0	
40	PSS-BPSK	108	0	14.80	14.85	14.80	16.0	0.0	
40	PSS-BPSK	108	54	14.85	14.80	14.83	16.0	0.0	
40	PSS-BPSK	108	108	14.73	14.85	14.81	16.0	0.0	
40	PSS-BPSK	216	0	14.70	14.79	14.86	16.0	0.0	
40	QPSK	1	1	14.80	14.80	14.82	16.0	0.0	
40	QPSK	1	108	14.73	14.85	14.77	16.0	0.0	
40	QPSK	1	214	14.70	14.80	14.82	16.0	0.0	
40	QPSK	108	0	14.70	14.85	14.85	16.0	0.0	
40	QPSK	108	54	14.80	14.83	14.80	16.0	0.0	
40	QPSK	108	108	14.71	14.85	14.77	16.0	0.0	
40	QPSK	216	0	14.80	14.80	14.80	16.0	0.0	
40	16QAM	1	1	14.70	14.85	14.76	16.0	0.0	
40	16QAM	1	1	14.70	14.85	14.82	16.0	0.0	
40	256QAM	1	1	14.70	14.85	14.82	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.70	24.80	24.75	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.70	24.80	24.75	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.74	24.84	24.84	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.80	24.80	24.80	16.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.80	24.83	24.80	16.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 141500	Power Middle Ch. Freq. 141500	Power High Ch. Freq. 141500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	24.48	24.53	24.50	26.0	0.0	
10	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
10	PSS-BPSK	1	77	24.58	24.47	24.45	26.0	0.0	
10	PSS-BPSK	36	0	24.50	24.51	24.50	25.5	0.0	
10	PSS-BPSK	36	22	24.42	24.43	24.40	25.0	0.0	
10	PSS-BPSK	36	48	24.37	24.33	24.30	25.5	0.0	
10	PSS-BPSK	72	0	24.34	24.33	24.30	25.5	0.0	
10	QPSK	1	1	24.50	24.50	24.50	26.0	0.0	
10	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
10	QPSK	1	77	24.39	24.50	24.34	26.0	1.0	
10	QPSK	36	0	24.48	24.53	24.57	25.0	1.0	
10	QPSK	36	22	24.47	24.52	24.30	25.0	0.0	
10	QPSK	36	48	24.46	24.58	24.40	25.0	1.0	
10	16QAM	1	1	24.50	24.50	24.50	25.0	1.0	
10	16QAM	1	1	24.42	24.53	24.30	25.0	1.0	
10	256QAM	1	1	24.42	24.53	24.30	25.0	1.0	
10	256QAM	1	1	19.08	20.04	19.04	21.0	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.42	24.44	24.42	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.42	24.42	24.30	26.0	0.0	

n12_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 141500	Power Middle Ch. Freq. 141500	Power High Ch. Freq. 141500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PSS-BPSK	1	1	22.48	22.52	22.50	24.0	0.0	
15	PSS-BPSK	1	40	22.40	22.40	22.30	24.0	0.0	
15	PSS-BPSK	1	77	22.48	22.42	22.43	24.0	0.0	
15	PSS-BPSK	36	0	22.50	22.40	22.43	24.0	0.0	
15	PSS-BPSK	36	22	22.48	22.48	22.37	24.0	0.0	
15	PSS-BPSK	36	48	22.47	22.45	22.30	24.0	0.0	
15	PSS-BPSK	72	0	22.43	22.53	22.40	24.0	0.0	
15	QPSK	1	1	22.50	22.50	22.51	24.0	0.0	
15	QPSK	1	40	22.47	22.52	22.41	24.0	0.0	
15	QPSK	1	77	22.44	22.50	22.50	24.0	0.0	
15	QPSK	36	0	22.45	22.53	22.39	24.0	0.0	
15	QPSK	36	22	22.53	22.50	22.51	24.0	0.0	
15	QPSK	36	48	22.48	22.42	22.43	24.0	0.0	
15	16QAM	1	1	22.50	22.53	22.48	24.0	0.0	
15	16QAM	1	1	22.48	22.48	22.42	24.0	0.0	
15	16QAM	1	1	22.02	22.13	21.97	23.0	0.0	
15	256QAM	1	1	19.08	20.04	19.04	23.0	2.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.40	22.45	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.44	22.47	22.32	24.0	0.0	



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Margin Ch. Freq	Power High Ch. Freq	Turn-up time (min)	MPH (dB)	MFR (dB)
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.35	24.45	24.41			
40	PSS-BPSK	1	108	24.37	24.35	24.37	25.0	0.0	
40	PSS-BPSK	1	214	24.34	24.42	24.39			
40	PSS-BPSK	108	0	23.97	23.95	23.95	24.5	0.0	
40	PSS-BPSK	108	54	24.25	24.45	24.35	28.0		
40	PSS-BPSK	108	108	23.95	23.92	23.93	24.5	0.0	
40	PSS-BPSK	216	0	23.83	23.93	23.81			
40	QPSK	1	1	24.43	24.53	24.48			
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0	
40	QPSK	1	214	24.34	24.45	24.35			
40	QPSK	108	0	23.15	23.33	23.25	24.0	1.0	
40	QPSK	108	54	23.15	24.45	24.34	25.0		
40	QPSK	108	108	23.22	23.34	23.25	24.0	1.0	
40	QPSK	216	0	23.11	23.38	23.22	24.0	1.0	
40	16QAM	1	1	23.28	23.31	23.29	24.0	1.0	
40	16QAM	1	1	23.65	23.62	23.62	23.5		
40	256QAM	1	1	19.65	19.75	19.67	20.5	4.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.30	18.51	18.50			
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.30	18.52	18.50			
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.30	18.52	18.50			
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.30	24.40	24.35	25.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Margin Ch. Freq	Power High Ch. Freq	Turn-up time (min)	MPH (dB)	MFR (dB)
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	18.43	18.37	18.39			
40	PSS-BPSK	1	108	18.41	18.41	18.39	17.0	0.0	
40	PSS-BPSK	1	214	18.38	18.39	18.39			
40	PSS-BPSK	108	0	18.43	18.37	18.39	17.0	0.0	
40	PSS-BPSK	108	54	18.40	18.40	18.41	17.0	0.0	
40	PSS-BPSK	108	108	18.44	18.39	18.37	17.0	0.0	
40	PSS-BPSK	216	0	18.37	18.43	18.41	17.0	0.0	
40	QPSK	1	1	18.30	18.33	18.30			
40	QPSK	1	108	18.41	18.39	18.40	17.0	0.0	
40	QPSK	1	214	18.40	18.39	18.34			
40	QPSK	108	0	18.38	18.42	18.39	17.0	0.0	
40	QPSK	108	54	18.40	18.39	18.40	17.0	0.0	
40	QPSK	108	108	18.44	18.40	18.34	17.0	0.0	
40	QPSK	216	0	18.43	18.40	18.40	17.0	0.0	
40	16QAM	1	1	18.38	18.43	18.39	17.0	0.0	
40	16QAM	1	1	18.35	18.37	18.40	17.0	0.0	
40	256QAM	1	1	18.40	18.40	18.40	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.30	18.44	18.37			
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.45	18.45	18.39	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.40	18.43	18.39			
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.40	18.43	18.40	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.30	18.47	18.42			
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.43	18.40	18.43	17.0	0.0	

n25_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq	Power Margin Ch. Freq	Power High Ch. Freq	Turn-up time (min)	MPH (dB)	MFR (dB)
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	20.82	20.85	20.81			
40	PSS-BPSK	1	108	20.80	20.82	20.87	22.5	0.0	
40	PSS-BPSK	1	214	20.87	20.89	20.89			
40	PSS-BPSK	108	0	20.84	20.85	20.80	22.5	0.0	
40	PSS-BPSK	108	54	20.83	20.89	20.87	22.5	0.0	
40	PSS-BPSK	108	108	20.82	20.83	20.83	22.5	0.0	
40	PSS-BPSK	216	0	20.82	20.89	20.88			
40	QPSK	1	1	20.86	20.85	20.82			
40	QPSK	1	108	20.88	20.87	20.87	22.5	0.0	
40	QPSK	1	214	20.87	20.83	20.82			
40	QPSK	108	0	20.81	20.89	20.87	22.5	0.0	
40	QPSK	108	54	20.85	20.82	20.80	22.5	0.0	
40	QPSK	108	108	20.83	20.85	20.84	22.5	0.0	
40	QPSK	216	0	20.85	20.88	20.86			
40	16QAM	1	1	20.87	20.81	20.85	22.5	0.0	
40	16QAM	1	1	20.81	20.86	20.83	22.0	0.0	
40	256QAM	1	1	18.24	18.33	18.29	20.0	2.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.30	18.43	18.40			
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.88	20.89	20.85	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.82	20.83	20.83	22.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.88	20.93	20.92	22.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.82	20.83	20.83	22.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.88	21.00	20.93	22.5	0.0	



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Media Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.45	24.45	24.45			
20	QPSK	1	53	24.54	24.55	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.45	24.45	24.39			
20	PSS-BPSK	50	0	23.95	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.45	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	56	23.95	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.56	24.48			
20	QPSK	50	0	23.95	23.98	23.93	26.0	1.0	
20	QPSK	50	26	24.45	24.56	24.53	26.0	0.0	
20	QPSK	50	56	23.95	23.98	23.89	25.0	1.0	
20	QPSK	100	0	23.95	23.98	23.87	25.0	1.0	
20	16QAM	1	1	23.95	23.95	23.95	25.5	0.5	
20	16QAM	1	1	23.95	23.95	23.95	25.5	0.5	
20	256QAM	1	1	20.95	20.95	20.91	21.5	0.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.95	16.95	16.90	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	816.5	816.5	816.5	26.5	1.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Media Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	21.04	21.02	21.05			
20	PSS-BPSK	1	50	21.03	21.07	21.04	22.5	0.0	
20	PSS-BPSK	1	104	21.02	21.11	21.07			
20	PSS-BPSK	50	0	21.07	21.03	21.06	22.5	0.0	
20	PSS-BPSK	50	26	21.09	21.08	21.03	22.5	0.0	
20	PSS-BPSK	50	50	21.09	21.13	21.05	22.5	0.0	
20	PSS-BPSK	100	0	21.09	21.08	21.07	22.5	0.0	
20	QPSK	1	1	21.15	21.09	21.13			
20	QPSK	1	53	21.02	21.13	21.03	22.5	0.0	
20	QPSK	1	104	21.04	21.09	21.04			
20	QPSK	50	0	20.99	21.11	21.09	22.0	0.0	
20	QPSK	50	26	21.12	21.10	21.10	22.5	0.0	
20	QPSK	50	50	21.08	21.09	21.09	22.5	0.0	
20	QPSK	100	0	21.10	21.11	21.09	22.0	0.0	
20	16QAM	1	1	21.02	21.07	21.09	22.0	0.0	
20	16QAM	1	1	21.05	21.09	21.05	22.5	0.0	
20	256QAM	1	1	20.04	20.12	20.11	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.95	16.95	16.93	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.04	21.03	20.97	22.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	816.5	816.5	816.5	22.5	1.0	

n30_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 462000)	Power Media Ch. 1 (Peak 462000)	Power High Ch. 1 (Peak 462000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1		18.72				
10	PSS-BPSK	1	26		18.87		18.0	0.0	
10	PSS-BPSK	1	50		18.89				
10	PSS-BPSK	25	0		18.87		18.0	0.0	
10	PSS-BPSK	25	14		18.87		18.0	0.0	
10	PSS-BPSK	25	27		18.85		18.0	0.0	
10	PSS-BPSK	50	0		18.88				
10	QPSK	1	1		18.75				
10	QPSK	1	26		18.71		18.0	0.0	
10	QPSK	1	50		18.72				
10	QPSK	25	0		18.72		18.0	0.0	
10	QPSK	25	14		18.72		18.0	0.0	
10	QPSK	25	27		18.72		18.0	0.0	
10	16QAM	1	1		18.71				
10	16QAM	1	1		18.84		18.0	0.0	
10	16QAM	1	1		18.90		18.0	0.0	
10	256QAM	1	1		18.87		18.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.54	24.54	24.50	26.0	0.0	



n30_Ant 2									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	18.71			18.0	0.0	
10	PSS-BPSK	1	26	18.71			18.0	0.0	
10	PSS-BPSK	1	50	18.62			18.0	0.0	
10	PSS-BPSK	25	0	18.62			18.0	0.0	
10	PSS-BPSK	25	14	18.62			18.0	0.0	
10	PSS-BPSK	25	27	18.62			18.0	0.0	
10	PSS-BPSK	50	0	18.64			18.0	0.0	
10	QPSK	1	1	18.75			18.0	0.0	
10	QPSK	1	26	18.64			18.0	0.0	
10	QPSK	1	50	18.67			18.0	0.0	
10	QPSK	25	0	18.63			18.0	0.0	
10	QPSK	25	14	18.75			18.0	0.0	
10	QPSK	25	27	18.63			18.0	0.0	
10	QPSK	50	0	18.63			18.0	0.0	
10	16QAM	1	1	18.71			18.0	0.0	
10	16QAM	1	1	18.71			18.0	0.0	
10	256QAM	1	1	18.70			18.0	0.0	
Channel				20.142	20.075	20.000	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				20.075	20.000	19.925	18.0	0.0	
5	QPSK	1	1	18.71	18.71	18.71	18.0	0.0	

n30_Ant 7									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	18.20			20.0	0.0	
10	PSS-BPSK	1	26	18.27			20.0	0.0	
10	PSS-BPSK	1	50	18.22			20.0	0.0	
10	PSS-BPSK	25	0	18.20			20.0	0.0	
10	PSS-BPSK	25	14	18.28			20.0	0.0	
10	PSS-BPSK	25	27	18.21			20.0	0.0	
10	PSS-BPSK	50	0	18.21			20.0	0.0	
10	QPSK	1	1	18.20			20.0	0.0	
10	QPSK	1	26	18.21			20.0	0.0	
10	QPSK	1	50	18.20			20.0	0.0	
10	QPSK	25	0	18.24			20.0	0.0	
10	QPSK	25	14	18.21			20.0	0.0	
10	QPSK	25	27	18.25			20.0	0.0	
10	QPSK	50	0	18.21			20.0	0.0	
10	16QAM	1	1	18.20			20.0	0.0	
10	16QAM	1	1	18.20			20.0	0.0	
10	256QAM	1	1	18.20			20.0	0.0	
Channel				20.100	20.000	19.900	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				20.075	20.000	19.925	20.0	0.0	
5	QPSK			18.22	18.22	18.22	20.0	0.0	

n66_Ant 1									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.42	24.50	24.45			
40	PSS-BPSK	1	108	24.50	24.43	24.54	25.0	0.0	
40	PSS-BPSK	1	214	24.35	24.43	24.34			
40	PSS-BPSK	108	0	23.97	23.95	23.94	24.5	0.0	
40	PSS-BPSK	108	54	24.33	24.45	24.39	25.0	0.0	
40	PSS-BPSK	108	108	23.90	23.93	23.91	24.5	0.0	
40	PSS-BPSK	216	0	23.88	23.95	23.83			
40	QPSK	1	1	24.45	24.53	24.48			
40	QPSK	1	108	24.31	24.45	24.35	25.0	0.0	
40	QPSK	1	214	24.51	24.43	24.53			
40	QPSK	108	0	23.92	23.43	23.28	24.0	1.0	
40	QPSK	108	54	24.51	24.50	24.52	25.0	0.0	
40	QPSK	108	108	23.28	23.32	23.27			
40	16QAM	216	0	23.13	23.35	23.10	24.0	1.0	
40	16QAM	1	1	23.23	23.33	23.28	24.0	1.0	
40	16QAM	1	1	23.80	23.90	23.77	25.0	0.0	
40	256QAM	1	1	19.81	19.88	19.82	20.0	0.0	
Channel				24.500	24.400	24.600	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				24.500	24.400	24.600	25.0	0.0	
30	QPSK	1	1	24.50	24.50	24.50	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.29	24.47	24.41	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.50	24.48	24.54	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.29	24.43	24.53	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.50	24.48	24.48	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.34	24.48	24.34	25.0	0.0	



n66_Ant 2									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Middle Ch. Freq. 345000	Power High Ch. Freq. 345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	18.35	18.45	18.35			
40	PSS-BPSK	1	108	18.41	18.45	18.44	17.0	0.0	
40	PSS-BPSK	1	214	18.41	18.45	18.48			
40	PSS-BPSK	108	0	18.43	18.45	18.43	17.0	0.0	
40	PSS-BPSK	108	54	18.35	18.47	18.48	17.0	0.0	
40	PSS-BPSK	108	108	18.44	18.45	18.35			
40	PSS-BPSK	216	0	18.35	18.44	18.47	17.0	0.0	
40	QPSK	1	1	18.51	18.55	18.51			
40	QPSK	1	108	18.44	18.45	18.43	17.0	0.0	
40	QPSK	1	214	18.42	18.45	18.35			
40	QPSK	108	0	18.35	18.51	18.49	17.0	0.0	
40	QPSK	108	54	18.45	18.52	18.50	17.0	0.0	
40	QPSK	108	108	18.48	18.45	18.41	17.0	0.0	
40	QPSK	216	0	18.45	18.49	18.48			
40	16QAM	1	1	18.35	18.44	18.47	17.0	0.0	
40	16QAM	1	1	18.45	18.50	18.48	17.0	0.0	
40	256QAM	1	1	18.41	18.51	18.35	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.25	17.45	17.65	17.0	0.0	
Channel									
Frequency (MHz)									
21	QPSK	1	1	18.44	18.41	18.48	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.25	17.45	17.70	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.35	18.44	18.37	17.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.45	17.70	17.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.40	18.51	18.41	17.0	0.0	

n66_Ant 7									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 345000	Power Middle Ch. Freq. 345000	Power High Ch. Freq. 345000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	22.89	22.92	22.89			
40	PSS-BPSK	1	108	22.79	22.90	22.79	24.0	0.0	
40	PSS-BPSK	1	214	22.82	22.89	22.79			
40	PSS-BPSK	108	0	22.79	22.92	22.79	24.0	0.0	
40	PSS-BPSK	108	54	22.78	22.93	22.78	24.0	0.0	
40	PSS-BPSK	108	108	22.92	22.90	22.78			
40	PSS-BPSK	216	0	22.78	22.90	22.74	24.0	0.0	
40	QPSK	1	1	22.92	22.90	22.89			
40	QPSK	1	108	22.82	22.89	22.89	24.0	0.0	
40	QPSK	1	214	22.84	22.92	22.79			
40	QPSK	108	0	21.79	21.92	21.89	23.0	1.0	
40	QPSK	108	54	22.74	22.90	22.78	24.0	0.0	
40	QPSK	108	108	21.89	21.79	21.97	23.0	1.0	
40	16QAM	1	1	21.79	21.90	21.84			
40	16QAM	1	1	21.78	21.89	21.79	23.0	1.0	
40	256QAM	1	1	20.91	20.92	20.79	22.0	2.0	
40	256QAM	1	1	18.97	18.99	18.29	20.0	4.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.25	17.45	17.65	17.0	0.0	
Channel									
Frequency (MHz)									
23	QPSK	1	1	22.83	22.82	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.25	17.45	17.65	17.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.82	22.82	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.81	22.84	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.45	17.70	17.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.79	22.84	22.75	24.0	0.0	

n71_Ant 0									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 138000	Power Middle Ch. Freq. 138000	Power High Ch. Freq. 138000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.43	24.60	24.60			
20	PSS-BPSK	1	30	23.97	24.40	24.40	20.0	0.0	
20	PSS-BPSK	1	104	24.33	24.62	24.47			
20	PSS-BPSK	30	0	23.70	24.00	23.91	23.0	0.0	
20	PSS-BPSK	30	24	24.35	24.54	24.44	23.0	0.0	
20	PSS-BPSK	30	48	23.70	23.97	23.91	23.0	0.0	
20	PSS-BPSK	100	0	23.82	24.00	23.88	23.0	0.0	
20	QPSK	1	1	24.40	24.63	24.50			
20	QPSK	1	30	24.48	24.63	24.40	24.0	0.0	
20	QPSK	1	104	24.40	24.50	24.51			
20	QPSK	30	0	23.49	23.99	23.43	23.0	1.0	
20	QPSK	30	24	24.40	24.54	24.50	23.0	0.0	
20	QPSK	30	56	23.42	23.98	23.49			
20	QPSK	100	0	23.42	23.90	23.50	23.0	1.0	
20	16QAM	1	1	23.38	23.62	23.38	23.0	1.0	
20	16QAM	1	1	21.61	21.80	21.70	23.0	2.0	
20	256QAM	1	1	19.73	19.83	19.72	23.0	4.0	
Channel									
Frequency (MHz)									
15	PSS-BPSK	1	1	24.43	24.50	24.43	23.0	0.0	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	24.43	24.50	24.51	23.0	0.0	
Channel									
Frequency (MHz)									
5	PSS-BPSK	1	1	24.50	24.54	24.51	23.0	0.0	



n71_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Middle Ch. (dBm)	Power High Ch. (dBm)	Tune-up level (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				134500	135100	135700			
				0	0	0			
20	PI-C-SSB	1	1	24.43	24.53	24.55			
20	PI-C-SSB	1	50	24.37	24.49	24.49	20.0		0.0
20	PI-C-SSB	1	104	24.33	24.52	24.47			
20	PI-C-SSB	50	0	23.79	24.05	23.70	25.0		0.0
20	PI-C-SSB	50	26	24.38	24.54	24.44	25.0		0.0
20	PI-C-SSB	50	50	23.79	23.77	23.70			
20	PI-C-SSB	100	0	23.82	24.05	23.89	25.5		0.0
20	QF-SSB	1	1	24.49	24.53	24.50			
20	QF-SSB	1	54	24.48	24.53	24.49	20.0		0.0
20	QF-SSB	1	104	24.49	24.50	24.51			
20	QF-SSB	50	0	23.49	23.59	23.43	25.0		1.0
20	QF-SSB	50	26	24.49	24.54	24.50	25.0		1.0
20	QF-SSB	50	50	23.42	23.55	23.49			
20	QF-SSB	100	0	23.42	23.55	23.50	25.0		1.0
20	IS-Quadr	1	1	23.98	23.52	23.39	25.0		1.0
20	IS-Quadr	1	1	23.74	23.26	23.70	23.0		1.0
20	IS-Quadr	1	1	19.73	19.83	19.72	21.0		4.0
Channel									
Frequency (MHz)				135100	135700	136300			
				0	0	0			
10	PI-C-SSB	1	1	24.43	24.53	24.42	20.0		1.0
Channel									
Frequency (MHz)				135700	136300	136900			
				0	0	0			
10	PI-C-SSB	1	1	24.43	24.53	24.51	20.0		0.0
Channel									
Frequency (MHz)				136900	137500	138100			
				0	0	0			
5	PI-C-SSB	1	1	24.43	24.53	24.51	20.0		1.0

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3679	3624.99	3679.98		
40	PB2 BPSK	1	1	19.83	20.08	19.94		0.0
40	PB2 BPSK	1	58	19.83	20.05	20.00	21.0	0.0
40	PB2 BPSK	1	104	19.83	20.01	20.00		0.0
40	PB2 BPSK	50	9	19.83	19.97	19.97	21.0	0.0
40	PB2 BPSK	50	28	19.83	20.06	20.03	21.0	0.0
40	PB2 BPSK	50	26	19.83	20.03	19.96		0.0
40	PB2 BPSK	100	9	19.83	20.05	19.97		0.0
40	QPSK	1	1	19.85	20.13	20.09		0.0
40	QPSK	1	53	19.80	19.99	19.93	21.0	0.0
40	QPSK	1	104	19.82	20.02	20.01		0.0
40	QPSK	50	9	19.81	20.00	20.04		0.0
40	QPSK	50	28	19.82	20.11	20.05	21.0	0.0
40	QPSK	50	26	19.82	20.06	19.97		0.0
40	QPSK	100	9	19.89	20.08	20.02	21.0	0.0
40	16QAM	1	1	19.88	20.06	19.97	21.0	0.0
40	16QAM	1	1	19.79	19.98	19.95	21.0	0.0
40	256QAM	1	1	19.89	20.01	19.95	20.5	0.5
Channel				3555.00	3624.99	3694.98	Tune-up limit (dBm)	MPR
Frequency (MHz)				3555.00	3624.99	3694.98		
30	QPSK	1	1	19.89	20.11	19.95	21.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				637334	641666	646000		
20	QPSK	1	1	19.80	20.07	19.99	21.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR
Frequency (MHz)				637168	641666	646166		
15	QPSK	1	1	19.83	20.04	19.94	21.0	0.0
Channel				170000	181000	184000	Tune-up limit (dBm)	MPR
Frequency (MHz)				170000	181000	184000		
10	QPSK	1	1	19.85	20.07	20.01	21.0	0.0

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RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3679	3624.99	3679.98		
40	PB2 BPSK	1	1	22.46	22.53	22.42		0.0
40	PB2 BPSK	1	83	22.37	22.00	22.44	23.5	0.0
40	PB2 BPSK	1	104	22.46	22.54	22.43		0.0
40	PB2 BPSK	50	9	22.50	22.45	22.37	23.5	0.0
40	PB2 BPSK	50	28	22.47	22.38	22.52	23.5	0.0
40	PB2 BPSK	50	26	22.39	22.44	22.32		0.0
40	PB2 BPSK	100	9	22.31	22.46	22.36	23.5	0.0
40	QPSK	1	1	22.35	22.59	22.59		0.0
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0
40	QPSK	1	104	22.33	22.34	22.45		0.0
40	QPSK	50	9	22.16	22.02	22.02		0.0
40	QPSK	50	28	22.33	22.49	22.40	23.5	0.0
40	QPSK	50	26	22.46	22.17	22.30		0.0
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0
40	16QAM	1	1	22.07	22.17	22.05	22.5	1.0
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				637334	641666	646000		
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				637334	641666	646000		
20	QPSK	1	1	22.39	22.45	22.31	23.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR
Frequency (MHz)				637168	641666	646166		
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0
Channel				170000	181000	184000	Tune-up limit (dBm)	MPR
Frequency (MHz)				170000	181000	184000		
10	QPSK	1	1	22.39	22.43	22.31	23.5	0.0

Par27Q n77 HPUE_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Medio. Ch / Freq	Power Hig. Ch / Freq	Tune-up limit (dBm)		MPN (dB)
Channel									
Frequency (MHz)									
100	PL2 BPSK	1	1		28.27		27.5	0.0	
100	PL2 BPSK	1	137		28.23				
100	PL2 BPSK	1	271		28.36				
100	PL2 BPSK	135	6		28.34		27.5	0.0	
100	PL2 BPSK	135	69		28.31		27.5	0.0	
100	PL2 BPSK	135	138		28.10		27.0	0.0	
100	PL2 BPSK	270	0		28.09				
100	QPSK	1	1		28.38		27.5	0.0	
100	QPSK	1	137		28.09				
100	QPSK	135	271		28.37				
100	QPSK	135	6		28.37		27.5	0.0	
100	QPSK	135	69		28.17				
100	QPSK	135	138		28.53				
100	QPSK	270	0		28.54		26.5	1.0	
100	BQAM	1	1		28.44		26.5	1.0	
100	BQAM	1	1		28.06		26.0	2.5	
100	BQAM	1	1		27.95		25.0	4.5	
Channel				833000	833332	833666	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				8486	849.96	850.99			
90	QPSK	1	1	28.25	28.24	28.26	27.5	0.0	
Channel				833000	833332	833666	Tune-up limit (dBm)		MPN (dB)
80	QPSK	1	1	28.28	28.31	28.31	27.5	0.0	
Channel				83284	833332	83432	Tune-up limit (dBm)		MPN (dB)
70	QPSK	1	1	28.32	28.30	28.36	27.5	0.0	
Channel				83280	833332	83466	Tune-up limit (dBm)		MPN (dB)
60	QPSK	1	1	28.33	28.25	28.30	27.5	0.0	
Channel				83366	833332	83400	Tune-up limit (dBm)		MPN (dB)
50	QPSK	1	1	28.25	28.29	28.32	27.5	0.0	
Channel				83334	833332	83332	Tune-up limit (dBm)		MPN (dB)
40	QPSK	1	1	28.25	28.31	28.34	27.5	0.0	
Channel				83330	833332	83332	Tune-up limit (dBm)		MPN (dB)
30	QPSK	1	1	28.13	28.33	28.27	27.5	0.0	
Channel				83034	833332	83432	Tune-up limit (dBm)		MPN (dB)
25	QPSK	1	1	28.32	28.28	28.33	27.5	0.0	
Channel				83036	833332	83400	Tune-up limit (dBm)		MPN (dB)
20	QPSK	1	1	28.33	28.33	28.34	27.5	0.0	
Channel				83039	833332	83436	Tune-up limit (dBm)		MPN (dB)
15	QPSK	1	1	28.23	28.22	28.33	27.5	0.0	
Channel				83034	833332	83432	Tune-up limit (dBm)		MPN (dB)
10	QPSK	1	1	28.31	28.31	28.33	27.5	0.0	



n2_Ant 1								
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	Tone sep. (dB) MPR (dB)	
Channel								
Frequency (MHz)								
20	PSS-BPSK	1	1	23.85	23.85	23.85	25.0	
20	PSS-BPSK	1	53	23.85	23.85	23.73		
20	PSS-BPSK	1	104	23.75	23.85	23.77		
20	PSS-BPSK	50	0	23.75	23.73	23.75		
20	PSS-BPSK	50	26	23.72	23.82	23.88		
20	PSS-BPSK	50	56	23.71	23.79	23.73	24.5	
20	PSS-BPSK	100	0	23.21	23.35	23.15		
20	QPSK	1	1	23.96	23.92	23.97		
20	QPSK	1	53	23.78	23.84	23.85		
20	QPSK	1	104	23.95	23.95	23.93		
20	QPSK	50	0	23.88	23.88	23.93	24.0	
20	QPSK	50	26	23.86	23.96	23.93		
20	QPSK	50	56	23.88	23.72	23.98		
20	16QAM	100	0	23.95	23.95	23.99		
20	16QAM	1	1	23.46	23.56	23.48		
20	256QAM	1	1	19.48	19.53	19.44	20.5	
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.73	19.80	19.62		
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.80	23.80	23.80	25.0	
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.23	19.30	19.14		

State 10 Power									
n2_Ant 2									
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 376000	Time-up limit (μsec)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	22.05	22.03	21.95	23.0	0.0	
20	PSS-BPSK	1	53	21.91	21.92	21.91			
20	PSS-BPSK	1	104	21.87	21.87	21.83			
20	PSS-BPSK	50	0	21.98	21.97	21.98			
20	PSS-BPSK	50	26	21.98	22.00	21.93			
20	PSS-BPSK	50	56	21.95	21.89	21.91	23.0	0.0	
20	QPSK	1	1	22.01	22.02	22.00			
20	QPSK	1	53	21.91	21.87	21.88			
20	QPSK	1	104	21.98	21.93	21.95			
20	QPSK	50	0	21.92	21.89	21.88			
20	QPSK	50	26	22.00	22.03	21.95	23.0	0.0	
20	QPSK	50	56	21.88	21.88	21.89			
20	16QAM	100	0	21.98	22.00	21.95			
20	64QAM	1	1	21.48	21.56	21.48			
20	256QAM	1	1	19.46	19.53	19.44			
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.73	21.65	21.62	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.90	21.88	21.82			
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.02	21.02	21.04	23.0	0.0	

n2_Ant 7											
RB [MHz]	Modulation	RB Size	RB Offset	Power Ch. Freq. 372000	Power Mid-Freq. 374000	Power H-Freq. 376000	Turning end (dB)	MPR (dB)			
Channel											
Frequency (MHz)											
20	PSS-BPSK	1	1	22.83	22.88	22.80	24.5	0.0			
20	PSS-BPSK	1	53	22.87	22.83	22.80					
20	PSS-BPSK	1	104	22.78	22.74	22.73					
20	PSS-BPSK	50	0	22.95	22.95	22.92					
20	PSS-BPSK	50	26	22.79	22.84	22.78					
20	PSS-BPSK	50	56	22.77	22.93	22.75	24.0	0.0			
20	PSS-BPSK	100	0	22.17	22.31	22.20					
20	QPSK	1	1	22.90	22.95	22.85					
20	QPSK	1	53	22.73	22.88	22.75					
20	QPSK	1	104	22.87	22.83	22.74					
20	QPSK	50	0	22.87	22.75	22.88	23.5	0.0			
20	QPSK	50	26	22.78	22.85	22.75					
20	QPSK	50	56	22.81	22.87	22.88					
20	16QAM	100	0	22.84	22.83	22.75					
20	16QAM	1	1	22.88	22.81	22.72					
20	64QAM	1	1	22.77	22.92	22.75	23.0	0.0			
20	256QAM	1	1	19.28	19.33	19.22					
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.85	22.85	22.77			24.5	0.0	
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.74	22.87	22.75	24.5	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	22.15	22.25	22.15					



n5_Ant 0									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.53	24.63	24.68			
20	QPSK	1	53	24.50	24.47	24.45	26.0	0.0	
20	PSS-BPSK	1	104	24.37	24.37	24.31			
20	QPSK	50	0	23.95	24.08	23.92	25.5	0.5	
20	PSS-BPSK	50	26	24.47	24.58	24.52	26.0		
20	QPSK	50	56	23.92	24.05	23.98	25.0	0.5	
20	PSS-BPSK	100	0	23.88	23.88	23.84	25.5		
20	QPSK	1	1	24.56	24.65	24.62			
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0	
20	QPSK	1	104	24.50	24.63	24.57			
20	QPSK	50	0	23.62	23.77	23.65	26.0	1.0	
20	QPSK	50	26	24.50	24.62	24.52	26.0	0.0	
20	QPSK	50	56	23.92	23.92	23.87	25.0	1.0	
20	QPSK	100	0	23.88	23.92	23.88	26.0	1.0	
20	16QAM	1	1	23.82	23.88	23.85	25.5	2.5	
20	16QAM	1	1	23.78	23.78	23.75	25.5		
20	256QAM	1	1	20.14	20.23	20.11	21.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.91	16.92	16.93	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.50	24.50	24.50	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
5	QPSK	1	1	84.0	84.0	84.0	Tune-up limit (dBm)	MPR	

n5_Ant 2									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.53	24.63	24.68			
20	QPSK	1	53	24.50	24.47	24.45	26.0	0.0	
20	PSS-BPSK	1	104	24.37	24.37	24.31			
20	QPSK	50	0	23.95	24.08	23.92	25.5	0.5	
20	PSS-BPSK	50	26	24.47	24.58	24.52	26.0		
20	QPSK	50	56	23.92	24.05	23.98	25.0	0.5	
20	PSS-BPSK	100	0	23.88	23.88	23.84	25.5		
20	QPSK	1	1	24.56	24.65	24.62			
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0	
20	QPSK	1	104	24.50	24.63	24.57			
20	QPSK	50	0	23.62	23.77	23.65	26.0	1.0	
20	QPSK	50	26	24.50	24.62	24.52	26.0	0.0	
20	QPSK	50	56	23.92	23.92	23.87	25.0	1.0	
20	QPSK	100	0	23.88	23.92	23.88	26.0	1.0	
20	16QAM	1	1	23.78	23.78	23.75	25.5	2.5	
20	256QAM	1	1	20.14	20.23	20.11	21.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.91	16.92	16.93	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.52	24.53	24.55	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	84.0	84.0	84.0	25.0	1.0	

n7_Ant 1									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	23.78	23.88	23.88			
40	PSS-BPSK	1	108	23.70	23.82	23.85	25.0	0.0	
40	PSS-BPSK	1	214	23.74	23.85	23.73			
40	PSS-BPSK	108	0	23.97	23.92	23.93	24.5	0.5	
40	PSS-BPSK	108	54	23.72	23.80	23.71	25.0	0.0	
40	PSS-BPSK	108	108	23.75	23.93	23.74	24.5	0.5	
40	PSS-BPSK	216	0	23.18	23.33	23.18			
40	QPSK	1	1	23.80	23.92	23.90			
40	QPSK	1	108	23.74	23.83	23.78	25.0	0.0	
40	QPSK	1	214	23.68	23.80	23.68			
40	QPSK	108	0	23.89	23.85	23.88	24.0	1.0	
40	QPSK	108	54	23.71	23.83	23.68	25.0	0.0	
40	QPSK	108	108	23.68	23.18	23.68	24.0	1.0	
40	16QAM	1	1	23.88	23.83	23.88	24.0	1.0	
40	16QAM	1	1	23.47	23.56	23.44	23.5	2.5	
40	256QAM	1	1	19.45	19.57	19.44	20.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.93	23.97	23.93	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.52	24.52	24.52	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.95	23.95	23.95	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.65	23.84	23.84	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.94	23.95	23.94	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.93	23.93	23.93	25.0	0.0	



n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	22.78	22.83	22.88			
40	PSS-BPSK	1	108	22.78	22.82	22.78	24.0	0.0	
40	PSS-BPSK	1	214	22.78	22.83	22.88			
40	PSS-BPSK	108	0	22.82	22.85	22.78	24.0	0.0	
40	PSS-BPSK	108	54	22.78	22.85	22.82	24.0	0.0	
40	PSS-BPSK	108	108	22.85	22.78	22.71	24.0	0.0	
40	PSS-BPSK	216	0	22.72	22.88	22.78			
40	QPSK	1	1	22.85	22.85	22.85			
40	QPSK	1	108	22.71	22.82	22.77	24.0	0.0	
40	QPSK	1	214	22.88	22.87	22.84			
40	QPSK	108	0	22.83	22.82	22.78	24.0	0.0	
40	QPSK	108	54	22.71	22.83	22.83	24.0	0.0	
40	QPSK	108	108	22.88	22.79	22.87	24.0	0.0	
40	QPSK	216	0	22.75	22.85	22.80			
40	16QAM	1	1	22.82	22.88	22.73	24.0	0.0	
40	16QAM	1	1	22.43	22.85	22.44	25.5	1.5	
40	256QAM	1	1	19.45	19.57	19.44	26.5	3.5	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.74	22.93	22.93			
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.92	22.79	22.81	Tune-up limit	MPR	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.75	22.83	22.90			
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.71	22.81	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.91	22.83	22.91			
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.35	22.88	22.78	24.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
10	PSS-BPSK	1	1	24.48	24.53	24.50			
10	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
10	PSS-BPSK	1	77	24.38	24.47	24.45			
10	PSS-BPSK	36	0	23.98	23.91	23.95	25.5	0.5	
10	PSS-BPSK	36	22	24.42	24.43	24.40	26.0	0.0	
10	PSS-BPSK	36	48	23.91	23.93	23.96	25.5	0.5	
10	PSS-BPSK	76	0	23.84	23.93	23.89			
10	QPSK	1	1	24.50	24.50	24.50			
10	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
10	QPSK	1	77	24.39	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.37	26.0	1.0	
10	QPSK	36	20	24.47	24.52	24.36	26.0	0.0	
10	QPSK	36	48	23.48	23.58	23.40	25.0	1.0	
10	16QAM	1	1	23.92	23.98	23.93	26.0	1.0	
10	16QAM	1	1	22.02	22.13	22.07	25.5	2.5	
10	256QAM	1	1	19.08	19.04	19.04	21.5	4.5	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.4	24.5	24.5			
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.42	24.42	24.36	26.0	0.0	

n12_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
15	PSS-BPSK	1	1	24.48	24.53	24.50			
15	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
15	PSS-BPSK	1	77	24.38	24.47	24.45			
15	PSS-BPSK	36	0	23.98	23.91	23.95	25.5	0.5	
15	PSS-BPSK	36	22	24.42	24.43	24.40	26.0	0.0	
15	PSS-BPSK	36	48	23.91	23.93	23.96	25.5	0.5	
15	PSS-BPSK	76	0	23.84	23.93	23.89			
15	QPSK	1	1	24.50	24.50	24.50			
15	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
15	QPSK	1	77	24.39	24.50	24.34			
15	QPSK	36	0	23.48	23.53	23.37	26.0	1.0	
15	QPSK	36	20	24.47	24.52	24.36	26.0	0.0	
15	QPSK	36	48	23.48	23.58	23.40	25.0	1.0	
15	16QAM	1	1	23.92	23.98	23.93	26.0	1.0	
15	16QAM	1	1	22.02	22.13	22.07	25.5	2.5	
15	256QAM	1	1	19.08	19.04	19.04	21.5	4.5	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.4	24.4	24.4			
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.42	24.42	24.36	26.0	0.0	



n25_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374000	Power Middle Ch. Freq. 374500	Power High Ch. Freq. 375000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.35	24.45	24.41			
40	PSS-BPSK	1	108	23.27	23.35	23.32	25.0	0.0	
40	PSS-BPSK	1	214	24.34	24.42	24.39			
40	PSS-BPSK	108	0	23.27	23.35	23.35	24.5	0.5	
40	PSS-BPSK	108	54	24.25	24.45	24.35	28.0	0.0	
40	PSS-BPSK	108	108	23.35	23.35	23.35	24.5	0.5	
40	PSS-BPSK	216	0	23.35	23.35	23.31			
40	QPSK	1	1	24.41	24.53	24.48			
40	QPSK	1	108	24.31	24.47	24.31	25.0	0.0	
40	QPSK	1	214	24.34	24.45	24.39			
40	QPSK	108	0	23.15	23.35	23.25	24.0	1.0	
40	QPSK	108	54	24.15	24.45	24.34	25.0	0.0	
40	QPSK	108	108	23.22	23.34	23.25	24.0	1.0	
40	QPSK	216	0	23.15	23.35	23.22			
40	16QAM	1	1	23.25	23.31	23.28	24.0	1.0	
40	16QAM	1	1	23.65	23.82	23.72	25.5	2.5	
40	256QAM	1	1	19.65	19.75	19.67	20.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.20	18.52	18.50			
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.30	24.40	24.35			
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.30	24.42	24.36			
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.30	24.40	24.36	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.30	24.40	24.36	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.30	24.40	24.36	25.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374000	Power Middle Ch. Freq. 374500	Power High Ch. Freq. 375000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	22.43	22.53	22.45			
40	PSS-BPSK	1	108	22.32	22.40	22.35	23.0	0.0	
40	PSS-BPSK	1	214	22.34	22.44	22.39			
40	PSS-BPSK	108	0	22.34	22.34	22.35	23.0	0.0	
40	PSS-BPSK	108	54	22.41	22.50	22.45	23.0	0.0	
40	PSS-BPSK	108	108	22.35	22.44	22.31	23.0	0.0	
40	PSS-BPSK	216	0	22.38	22.48	22.40			
40	QPSK	1	1	22.45	22.55	22.49			
40	QPSK	1	108	22.32	22.39	22.32	23.0	0.0	
40	QPSK	1	214	22.35	22.45	22.34			
40	QPSK	108	0	22.38	22.39	22.35	23.0	0.0	
40	QPSK	108	54	22.42	22.53	22.45	23.0	0.0	
40	QPSK	108	108	22.38	22.37	22.37	23.0	0.0	
40	QPSK	216	0	22.40	22.50	22.45			
40	16QAM	1	1	22.52	22.59	22.52	23.0	0.0	
40	16QAM	1	1	21.85	21.92	21.72	22.5	0.5	
40	256QAM	1	1	19.89	19.79	19.67	20.5	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.20	18.52	18.50			
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.39	22.49	22.42	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.39	22.49	22.41	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.39	22.47	22.33	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.39	22.50	22.33	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.31	22.44	22.32	23.0	0.0	

n25_Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 374000	Power Middle Ch. Freq. 374500	Power High Ch. Freq. 375000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	22.81	23.00	22.88			
40	PSS-BPSK	1	108	22.70	22.80	22.81	24.5	0.0	
40	PSS-BPSK	1	214	22.83	22.85	22.83			
40	PSS-BPSK	108	0	22.70	22.74	22.42	23.0	0.5	
40	PSS-BPSK	108	54	22.82	22.81	22.82	24.5	0.0	
40	PSS-BPSK	108	108	22.77	22.45	22.70	24.0	0.5	
40	PSS-BPSK	216	0	22.77	22.40	22.35			
40	QPSK	1	1	22.82	23.03	22.90			
40	QPSK	1	108	22.79	22.85	22.73	24.5	0.0	
40	QPSK	1	214	22.80	22.93	22.82			
40	QPSK	108	0	22.88	22.81	22.78	23.5	1.0	
40	QPSK	108	54	22.75	22.82	22.74	24.5	0.0	
40	QPSK	108	108	22.83	22.73	22.87	23.5	1.0	
40	QPSK	216	0	22.80	22.83	22.70			
40	16QAM	1	1	22.71	22.81	22.75	23.5	1.0	
40	16QAM	1	1	20.21	20.30	20.20	21.0	2.5	
40	256QAM	1	1	18.24	18.33	18.20	19.0	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.20	18.52	18.50			
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.84	22.97	22.90	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.82	22.94	22.88	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.80	22.90	22.86	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.83	22.93	22.81	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.82	22.90	22.81	24.5	0.0	



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.45	24.45	24.45			
20	QPSK	1	53	24.54	24.55	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.45	24.45	24.39			
20	PSS-BPSK	50	0	23.95	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.45	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	50	23.95	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.55	24.48			
20	QPSK	50	0	23.70	23.78	23.70	26.0	1.0	
20	QPSK	50	26	24.45	24.56	24.53	26.0	0.0	
20	QPSK	50	50	23.70	23.78	23.68	26.0	1.0	
20	QPSK	100	0	23.68	23.73	23.67	26.0	1.0	
20	16QAM	1	1	23.55	23.65	23.55	26.0	1.0	
20	16QAM	1	1	23.00	23.10	23.00	25.5	2.5	
20	256QAM	1	1	20.10	20.20	20.21	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	24.52	24.54	24.49	26.0	1.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.10	24.13	24.09	26.0	1.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
20	PSS-BPSK	1	1	24.40	24.40	24.40			
20	PSS-BPSK	1	50	24.54	24.55	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.40	24.40	24.39			
20	PSS-BPSK	50	0	23.90	24.00	23.91	25.5	0.5	
20	PSS-BPSK	50	26	24.40	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	50	23.90	24.03	23.91	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.55	24.48			
20	QPSK	50	0	23.70	23.78	23.70	26.0	1.0	
20	QPSK	50	26	24.42	24.56	24.53	26.0	0.0	
20	QPSK	50	50	23.70	23.78	23.68	26.0	1.0	
20	QPSK	100	0	23.68	23.73	23.67	26.0	1.0	
20	16QAM	1	1	23.55	23.65	23.55	26.0	1.0	
20	16QAM	1	1	23.00	23.10	23.00	25.5	2.5	
20	256QAM	1	1	20.10	20.20	20.21	21.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	24.53	24.55	24.53	26.0	1.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.10	24.13	24.09	26.0	1.0	

n30_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 462000)	Power Middle Ch. 1 (Peak 462000)	Power High Ch. 1 (Peak 462000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
10	PSS-BPSK	1	1		18.72				
10	PSS-BPSK	1	26		18.87		18.0	0.0	
10	PSS-BPSK	1	50		18.89				
10	PSS-BPSK	25	0		18.87		18.0	0.0	
10	PSS-BPSK	25	14		18.87		18.0	0.0	
10	PSS-BPSK	25	27		18.85		18.0	0.0	
10	PSS-BPSK	50	0		18.88				
10	QPSK	1	1		18.72				
10	QPSK	1	26		18.71		18.0	0.0	
10	QPSK	1	50		18.72				
10	QPSK	25	0		18.72		18.0	0.0	
10	QPSK	25	14		18.72		18.0	0.0	
10	QPSK	25	27		18.72		18.0	0.0	
10	16QAM	1	1		18.71				
10	16QAM	1	1		18.84		18.0	0.0	
10	16QAM	1	1		18.90		18.0	0.0	
10	256QAM	1	1		18.87		18.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.54	24.55	24.50	26.0	1.0	



n30_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	19.73			18.0	0.0	
10	PSS-BPSK	1	26	19.67					
10	PSS-BPSK	1	50	19.69					
10	PSS-BPSK	25	0	19.67			18.0	0.0	
10	PSS-BPSK	25	14	19.67					
10	PSS-BPSK	25	27	19.65			18.0	0.0	
10	PSS-BPSK	50	0	19.68					
10	QPSK	1	1	19.75					
10	QPSK	1	26	19.71			18.0	0.0	
10	QPSK	1	50	19.72					
10	QPSK	25	0	19.72			18.0	0.0	
10	QPSK	25	14	19.72					
10	QPSK	25	27	19.72			18.0	0.0	
10	QPSK	50	0	19.71					
10	MSKAM	1	1	19.64			18.0	0.0	
10	MSKAM	1	1	19.56			18.0	0.0	
10	SSGAM	1	1	19.67			18.0	0.0	
Channel				19.74	19.69	19.70	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				19.74	19.69	19.70	18.0	0.0	
5	QPSK	1	1	19.74	19.69	19.70	18.0	0.0	

n30_Ant 7									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	22.78					
10	PSS-BPSK	1	26	22.80			24.0	0.0	
10	PSS-BPSK	1	50	22.79					
10	PSS-BPSK	25	0	22.77			24.0	0.0	
10	PSS-BPSK	25	14	22.80					
10	PSS-BPSK	25	27	22.78			24.0	0.0	
10	PSS-BPSK	50	0	22.80					
10	QPSK	1	1	22.80					
10	QPSK	1	26	22.79			24.0	0.0	
10	QPSK	1	50	22.77					
10	QPSK	25	0	21.89			23.0	1.0	
10	QPSK	25	14	22.80			24.0	0.0	
10	QPSK	25	27	21.89			23.0	1.0	
10	MSKAM	1	1	21.89			23.0	1.0	
10	MSKAM	1	1	20.71			22.0	2.0	
10	SSGAM	1	1	19.73			20.0	4.0	
Channel				22.82	22.79	22.80	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				22.82	22.79	22.80	24.0	0.0	
5	QPSK								

n66_Ant 1									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.42	24.50	24.45			
40	PSS-BPSK	1	108	24.50	24.43	24.54	25.0	0.0	
40	PSS-BPSK	1	214	24.50	24.43	24.54			
40	PSS-BPSK	108	0	23.97	23.90	23.94	24.5	0.0	
40	PSS-BPSK	108	54	24.33	24.45	24.39	25.0	0.0	
40	PSS-BPSK	108	108	23.90	23.93	23.91	24.5	0.0	
40	PSS-BPSK	216	0	23.89	23.95	23.83			
40	QPSK	1	1	24.45	24.53	24.48			
40	QPSK	1	108	24.31	24.45	24.35	25.0	0.0	
40	QPSK	1	214	24.51	24.43	24.53			
40	QPSK	108	0	23.92	23.43	23.28	24.0	1.0	
40	QPSK	108	54	24.51	24.50	24.52	25.0	0.0	
40	QPSK	108	108	23.28	23.32	23.27			
40	MSKAM	216	0	23.13	23.30	23.50	24.0	1.0	
40	MSKAM	1	1	23.23	23.33	23.28	24.0	1.0	
40	MSKAM	1	1	21.80	21.90	21.77	22.0	2.0	
40	SSGAM	1	1	19.81	19.88	19.82	20.0	4.0	
Channel				24.50	24.47	24.49	Tune-up limit (dBm)	Margin (dB)	
Frequency (MHz)				24.50	24.45	24.46	25.0	0.0	
30	QPSK	1	1	24.50	24.50	24.50	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.29	24.47	24.41	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.50	24.48	24.54	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.29	24.43	24.53	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.50	24.48	24.48	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.34	24.48	24.54	25.0	0.0	



n71_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. (dBm)	Power Middle Ch. (dBm)	Power High Ch. (dBm)	Tune-up level (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				134500	135100	135700			
				0	0	0			
20	PI2-BPSK	1	1	24.43	24.53	24.55			
20	PI2-BPSK	1	50	24.37	24.48	24.49	20.0		0.0
20	PI2-BPSK	1	104	24.33	24.52	24.47			
20	PI2-BPSK	50	0	23.79	24.05	23.70	25.0		0.5
20	PI2-BPSK	50	26	24.38	24.54	24.44	25.0		0.0
20	PI2-BPSK	50	50	23.79	23.97	23.70			
20	PI2-BPSK	100	0	23.82	24.05	23.89	25.5		0.5
20	QPSK	1	1	24.49	24.53	24.50			
20	QPSK	1	50	24.48	24.53	24.49	20.0		0.0
20	QPSK	1	104	24.49	24.50	24.51			
20	QPSK	50	0	23.49	23.59	23.43	25.0		1.0
20	QPSK	50	26	24.49	24.54	24.50	25.0		0.0
20	QPSK	50	50	23.42	23.55	23.39			
20	QPSK	100	0	23.42	23.55	23.39	25.0		1.0
20	16QAM	1	1	23.98	23.52	23.39	25.0		1.0
20	16QAM	1	1	23.74	23.26	23.30	23.0		1.5
20	256QAM	1	1	19.33	19.83	19.32	21.0		4.0
Channel									
Frequency (MHz)				135100	135700	136300			
				0	0	0			
10	PI2-BPSK	1	1	24.43	24.53	24.42	20.0		1.0
Channel									
Frequency (MHz)				135700	136300	136900			
				0	0	0			
10	PI2-BPSK	1	1	24.43	24.53	24.51	20.0		0.0
Channel									
Frequency (MHz)				136300	136900	137500			
				0	0	0			
5	PI2-BPSK	1	1	24.43	24.53	24.51	20.0		0.0

n48_Part96_Ant 7									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Midd. Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PB2 BPSK	1	1	22.46	22.53	22.42		0.0	
40	PB2 BPSK	1	58	22.37	22.50	22.44	23.5	0.0	
40	PB2 BPSK	1	104	22.46	22.54	22.43		0.0	
40	PB2 BPSK	50	9	22.35	22.46	22.37	23.5	0.0	
40	PB2 BPSK	50	26	22.47	22.58	22.52	23.5	0.0	
40	PB2 BPSK	50	26	22.35	22.44	22.36	23.5	0.0	
40	PB2 BPSK	100	9	22.31	22.46	22.36		0.0	
40	QPSK	1	1	22.35	22.59	22.50		0.0	
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0	
40	QPSK	1	104	22.53	22.54	22.45		0.0	
40	QPSK	50	9	22.18	22.22	22.30		0.0	
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0	
40	QPSK	50	26	22.16	22.17	22.30		0.0	
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0	
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0	
40	16QAM	1	1	22.07	22.17	22.08	23.5	1.0	
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.29	22.43	22.31	23.5	0.0	

n48_Part96_Ant 10											
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
40	PB2 BPSK	1	1	22.46	22.53	22.42		0.0			
40	PB2 BPSK	1	53	22.37	22.50	22.44	23.5	0.0			
40	PB2 BPSK	1	104	22.46	22.54	22.43		0.0			
40	PB2 BPSK	50	9	22.35	22.46	22.37	23.5	0.0			
40	PB2 BPSK	50	26	22.47	22.58	22.52	23.5	0.0			
40	PB2 BPSK	50	26	22.35	22.44	22.36	23.5	0.0			
40	PB2 BPSK	100	9	22.31	22.40	22.36		0.0			
40	QPSK	1	1	22.35	22.59	22.50		0.0			
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0			
40	QPSK	1	104	22.53	22.54	22.45		0.0			
40	QPSK	50	9	22.18	22.22	22.30		0.0			
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0			
40	QPSK	50	26	22.16	22.17	22.30		0.0			
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0			
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0			
40	16QAM	1	1	22.07	22.17	22.08	23.5	1.0			
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	22.29	22.43	22.31	23.5	0.0			

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Medium Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)		MPN (dB)	
Channel				83300				27.5	0.0	
Frequency (MHz)				83300		83300				
100	P12 BPSK	1	1		28.22					
100	P12 BPSK	1	137		28.23					
100	P12 BPSK	1	271		28.36					
100	P12 BPSK	135	6		28.34				0.8	
100	P12 BPSK	135	69		28.31				0.9	
100	P12 BPSK	135	138		28.10				0.6	
100	P12 BPSK	270	0		28.09				0.5	
100	QPSK	1	1		28.38					
100	QPSK	1	137		28.09				0.0	
100	QPSK	1	271		28.36					
100	QPSK	135	6		28.37					
100	QPSK	135	69		28.17				0.0	
100	QPSK	135	138		28.83					
100	QPSK	270	0		28.54				1.0	
100	16QAM	1	1		28.44				1.0	
100	256QAM	1	1		28.06				2.5	
100	256QAM	1	1		27.86				4.5	
Channel				83300	83332	83366	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8486	849.96	850.99				
90	QPSK	1	1	28.26	28.24	28.38			0.8	
Channel				83300	83332	83366	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				849.00	849.98	850.99				
80	QPSK	1	1	28.28	28.31	28.31			0.8	
Channel				83284	83332	83432	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				83284	83288	83288				
70	QPSK	1	1	28.32	28.30	28.38			0.9	
Channel				83280	83332	83432	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8490	849.98	850.99				
60	QPSK	1	1	28.33	28.25	28.30			0.8	
Channel				83368	83332	83300	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8478.02	8478.98	8479.99				
50	QPSK	1	1	28.15	28.29	28.32			0.9	
Channel				83334	83332	83332	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8473.01	848.98	848.98				
40	QPSK	1	1	28.26	28.31	28.34			0.8	
Channel				83300	83332	83366	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8485	849.98	850.99				
30	QPSK	1	1	28.13	28.13	28.27			1.0	
Channel				83034	83332	83632	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				83631	83632	83632				
25	QPSK	1	1	28.32	28.28	28.33			0.8	
Channel				83034	83332	83632	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8480.02	8480.98	8481.99				
20	QPSK	1	1	28.33	28.33	28.34			0.9	
Channel				83009	83332	83632	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8477.5	8478.98	8479.99				
15	QPSK	1	1	28.23	28.22	28.33			0.9	
Channel				83034	83332	83632	Tune-up limit (dBm)		MPN (dB)	
Frequency (MHz)				8482.01	8482.98	8483.99				
10	QPSK	1	1	28.31	28.31	28.33			0.8	



n2_Ant 1							
SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 380000	
Channel							
Frequency [MHz]							
20	PSS-BPSK	1	1	23.85	23.85	23.85	
20	PSS-BPSK	1	53	23.85	23.85	23.73	25.0
20	PSS-BPSK	1	104	23.75	23.85	23.77	24.5
20	PSS-BPSK	50	0	23.75	23.73	23.75	24.5
20	PSS-BPSK	50	26	23.72	23.82	23.88	25.0
20	PSS-BPSK	50	56	23.71	23.79	23.73	24.5
20	PSS-BPSK	100	0	23.21	23.35	23.15	24.5
20	QPSK	1	1	23.96	23.92	23.97	
20	QPSK	1	53	23.78	23.84	23.85	25.0
20	QPSK	1	104	23.95	23.95	23.93	
20	QPSK	50	0	23.98	23.98	23.93	24.0
20	QPSK	50	26	23.96	23.96	23.93	25.0
20	QPSK	50	56	23.98	23.12	23.98	24.0
20	QPSK	100	0	23.95	23.95	23.95	24.0
20	16QAM	1	1	23.46	23.56	23.48	25.0
20	16QAM	1	1	19.46	19.53	19.44	25.0
20	256QAM	1	1	19.51	19.51	19.52	25.0
Frequency [MHz]							
10	QPSK	1	1	23.7500	23.7500	23.7500	Turn-up test (dBm)
Channel							
Frequency [MHz]							
10	QPSK	1	1	23.80	23.80	23.80	25.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	19.23	19.30	19.14	24.0

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SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 380000	
Channel							
Frequency [MHz]							
20	PSS-BPSK	1	1	22.09	22.03	21.99	
20	PSS-BPSK	1	53	21.91	21.92	21.91	23.0
20	PSS-BPSK	1	104	21.87	21.87	21.83	
20	PSS-BPSK	50	0	21.88	21.87	21.88	23.0
20	PSS-BPSK	50	26	21.88	22.03	21.83	23.0
20	PSS-BPSK	50	56	21.85	21.93	21.85	23.0
20	PSS-BPSK	100	0	21.35	21.88	21.31	23.0
20	QPSK	1	1	22.01	22.02	22.00	
20	QPSK	1	53	21.91	21.87	21.88	23.0
20	QPSK	1	104	21.96	21.93	21.90	
20	QPSK	50	0	21.92	21.89	21.88	23.0
20	QPSK	50	26	22.00	22.03	21.98	23.0
20	QPSK	50	56	21.88	21.88	21.85	23.0
20	QPSK	100	0	21.86	22.00	21.85	23.0
20	16QAM	1	1	21.92	21.84	21.78	23.0
20	16QAM	1	1	21.84	21.95	21.80	23.0
20	256QAM	1	1	19.46	19.53	19.44	25.0
Frequency [MHz]							
10	QPSK	1	1	21.7500	21.7500	21.7500	Turn-up test (dBm)
Channel							
Frequency [MHz]							
10	QPSK	1	1	21.80	21.80	21.80	23.0
Channel							
Frequency [MHz]							
5	QPSK	1	1	21.02	21.02	21.04	23.0

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SV [dBc]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 372000	Power Middle Ch. Freq. 374000	Power High Ch. Freq. 380000	
Channel							
Frequency [MHz]							
20	PSS-BPSK	1	1	22.83	22.88	22.80	
20	PSS-BPSK	1	53	22.87	22.83	22.80	24.5
20	PSS-BPSK	1	104	22.78	22.74	22.73	
20	PSS-BPSK	50	0	22.76	22.76	22.75	24.0
20	PSS-BPSK	50	26	22.78	22.84	22.78	24.5
20	PSS-BPSK	50	56	22.77	22.73	22.75	24.0
20	PSS-BPSK	100	0	22.17	22.31	22.20	24.0
20	QPSK	1	1	22.90	22.90	22.85	
20	QPSK	1	53	22.73	22.88	22.75	24.5
20	QPSK	1	104	22.87	22.83	22.74	
20	QPSK	50	0	22.87	22.75	22.88	23.5
20	QPSK	50	26	22.78	22.86	22.75	24.5
20	QPSK	50	56	22.81	22.87	22.88	23.5
20	QPSK	100	0	22.74	22.83	22.75	23.5
20	16QAM	1	1	22.86	22.81	22.72	23.5
20	16QAM	1	1	22.77	22.92	22.70	23.5
20	256QAM	1	1	19.28	19.33	19.22	25.0
Frequency [MHz]							
10	QPSK	1	1	22.7500	22.7500	22.7500	Turn-up test (dBm)
Channel							
Frequency [MHz]							
10	QPSK	1	1	22.74	22.87	22.72	24.5
Channel							
Frequency [MHz]							
5	QPSK	1	1	22.15	22.25	22.15	23.5



n5_Ant 0									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.53	24.63	24.68			
20	QPSK	1	53	24.50	24.47	24.45	26.0	0.0	
20	PSS-BPSK	1	104	24.57	24.57	24.51			
20	QPSK	50	0	23.95	24.08	23.92	25.5	0.5	
20	PSS-BPSK	50	26	24.47	24.56	24.52	26.0		
20	QPSK	50	56	23.92	24.05	23.90	25.0	0.5	
20	PSS-BPSK	100	0	23.88	23.98	23.94	25.5		
20	QPSK	1	1	24.56	24.65	24.62			
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0	
20	QPSK	1	104	24.50	24.63	24.51			
20	QPSK	50	0	23.92	23.77	23.85	26.0	1.0	
20	QPSK	50	26	24.50	24.62	24.52	26.0	0.0	
20	QPSK	50	56	23.92	23.78	23.87	25.0	1.0	
20	QPSK	100	0	23.88	23.73	23.80	26.0	1.0	
20	16QAM	1	1	23.92	23.98	23.98	26.0	1.0	
20	16QAM	1	1	23.95	23.98	23.95	25.5	2.5	
20	256QAM	1	1	20.14	20.23	20.11	21.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.91	16.92	16.92	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.50	24.50	24.50	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	844.0	844.0	844.0	Tune-up limit (dBm)	MPR	

n5_Ant 2									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.53	24.63	24.68			
20	QPSK	1	53	24.50	24.47	24.45	26.0	0.0	
20	PSS-BPSK	1	104	24.57	24.57	24.51			
20	QPSK	50	0	23.95	24.08	23.92	25.5	0.5	
20	PSS-BPSK	50	26	24.47	24.56	24.52	26.0		
20	QPSK	50	56	23.92	24.05	23.90	25.0	0.5	
20	PSS-BPSK	100	0	23.88	23.98	23.94	25.5		
20	QPSK	1	1	24.56	24.65	24.62			
20	QPSK	1	53	24.50	24.63	24.58	26.0	0.0	
20	QPSK	1	104	24.50	24.63	24.51			
20	QPSK	50	0	23.92	23.77	23.85	26.0	1.0	
20	QPSK	50	26	24.50	24.62	24.52	26.0	0.0	
20	QPSK	50	56	23.92	23.78	23.87	25.0	1.0	
20	QPSK	100	0	23.88	23.73	23.80	26.0	1.0	
20	16QAM	1	1	23.92	23.98	23.98	26.0	1.0	
20	16QAM	1	1	23.95	23.98	23.95	25.5	2.5	
20	256QAM	1	1	20.14	20.23	20.11	21.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.91	16.92	16.92	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.52	24.53	24.52	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	844.0	844.0	844.0	Tune-up limit (dBm)	MPR	

n7_Ant 1									
RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	23.78	23.80	23.88			
40	PSS-BPSK	1	108	23.70	23.82	23.80	25.0	0.0	
40	PSS-BPSK	1	214	23.74	23.85	23.73			
40	PSS-BPSK	108	0	23.97	23.92	23.93	24.5	0.5	
40	PSS-BPSK	108	54	23.72	23.80	23.71	25.0	0.0	
40	PSS-BPSK	108	108	23.75	23.93	23.74	24.5	0.5	
40	PSS-BPSK	216	0	23.78	23.93	23.78			
40	QPSK	1	1	23.80	23.92	23.90			
40	QPSK	1	108	23.74	23.83	23.78	25.0	0.0	
40	QPSK	1	214	23.80	23.93	23.80			
40	QPSK	108	0	23.89	23.95	23.88	24.0	1.0	
40	QPSK	108	54	23.71	23.83	23.80	25.0	0.0	
40	QPSK	108	108	23.85	23.93	23.88	24.0	1.0	
40	16QAM	1	1	23.80	23.93	23.90	24.0	1.0	
40	16QAM	1	1	23.86	23.91	23.89	24.0	1.0	
40	16QAM	1	1	21.41	21.50	21.44	21.5	2.5	
40	256QAM	1	1	19.45	19.57	19.44	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.93	23.97	23.93	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.52	24.52	24.52	26.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.90	23.90	23.90	Tune-up limit (dBm)	MPR	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.85	23.84	23.84	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.94	23.95	23.94	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	23.93	23.93	23.93	25.0	0.0	



n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	22.78	22.83	22.88			
40	PSS-BPSK	1	108	22.78	22.82	22.78	24.0	0.0	
40	PSS-BPSK	1	214	22.78	22.83	22.88			
40	PSS-BPSK	108	0	22.82	22.85	22.78	24.0	0.0	
40	PSS-BPSK	108	54	22.78	22.85	22.82	24.0	0.0	
40	PSS-BPSK	108	108	22.85	22.78	22.71	24.0	0.0	
40	PSS-BPSK	216	0	22.72	22.88	22.78			
40	QPSK	1	1	22.85	22.85	22.85			
40	QPSK	1	108	22.71	22.82	22.77	24.0	0.0	
40	QPSK	1	214	22.88	22.87	22.84			
40	QPSK	108	0	22.83	22.82	22.78	24.0	0.0	
40	QPSK	108	54	22.71	22.83	22.83	24.0	0.0	
40	QPSK	108	108	22.88	22.79	22.87	24.0	0.0	
40	QPSK	216	0	22.75	22.85	22.80			
40	16QAM	1	1	22.82	22.88	22.73	24.0	0.0	
40	16QAM	1	1	21.41	21.56	21.44	25.5	1.5	
40	256QAM	1	1	19.45	19.57	19.44	26.5	3.5	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.74	22.93	22.93			
Channel									
Frequency [MHz]									
21	QPSK	1	1	22.92	22.79	22.81	Tune-up limit	MPR	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.92	22.83	22.90			
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.91	22.81	22.86	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.91	22.83	22.90			
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.95	22.88	22.78	24.0	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
10	PSS-BPSK	1	1	24.48	24.53	24.50			
10	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
10	PSS-BPSK	1	77	24.38	24.47	24.45			
10	PSS-BPSK	36	0	23.98	23.91	23.95	25.5	0.5	
10	PSS-BPSK	36	22	24.42	24.43	24.40	26.0	0.0	
10	PSS-BPSK	36	48	23.91	23.93	23.96	25.5	0.5	
10	PSS-BPSK	75	0	23.84	23.93	23.89			
10	QPSK	1	1	24.50	24.50	24.50			
10	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
10	QPSK	1	77	24.39	24.50	24.34			
10	QPSK	36	0	23.48	23.53	23.37	26.0	1.0	
10	QPSK	36	22	24.47	24.52	24.36	26.0	0.0	
10	QPSK	36	48	23.48	23.58	23.40	25.0	1.0	
10	16QAM	1	1	23.92	23.98	23.95	26.0	1.0	
10	16QAM	1	1	22.02	22.13	21.97	25.5	2.5	
10	256QAM	1	1	19.98	20.04	19.94	21.5	4.5	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.4	24.5	24.4	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.42	24.42	24.36	26.0	0.0	

n12_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [MHz]	Power Middle Ch. Freq. [MHz]	Power High Ch. Freq. [MHz]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency [MHz]									
15	PSS-BPSK	1	1	24.48	24.53	24.50			
15	PSS-BPSK	1	40	24.53	24.41	24.49	26.0	0.0	
15	PSS-BPSK	1	77	24.38	24.47	24.45			
15	PSS-BPSK	36	0	23.98	23.91	23.95	25.5	0.5	
15	PSS-BPSK	36	22	24.42	24.43	24.40	26.0	0.0	
15	PSS-BPSK	36	48	23.91	23.93	23.96	25.5	0.5	
15	PSS-BPSK	75	0	23.84	23.93	23.89			
15	QPSK	1	1	24.50	24.50	24.50			
15	QPSK	1	40	24.42	24.53	24.44	26.0	0.0	
15	QPSK	1	77	24.39	24.50	24.34			
15	QPSK	36	0	23.48	23.53	23.37	26.0	1.0	
15	QPSK	36	22	24.47	24.52	24.36	26.0	0.0	
15	QPSK	36	48	23.48	23.58	23.40	25.0	1.0	
15	16QAM	1	1	23.92	23.98	23.95	26.0	1.0	
15	16QAM	1	1	22.02	22.13	21.97	25.5	2.5	
15	256QAM	1	1	19.98	20.04	19.94	21.5	4.5	
Channel									
Frequency [MHz]									
10	QPSK	1	1	24.4	24.4	24.4	26.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	24.42	24.42	24.36	26.0	0.0	



n26_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.45	24.45	24.45			
20	QPSK	1	53	24.54	24.55	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.45	24.45	24.39			
20	PSS-BPSK	50	0	23.95	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.45	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	56	23.95	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.56	24.48			
20	QPSK	50	0	23.70	23.78	23.70	26.0	1.0	
20	QPSK	50	26	24.45	24.56	24.53	26.0	0.0	
20	QPSK	50	56	23.70	23.78	23.68	26.0	1.0	
20	QPSK	100	0	23.68	23.73	23.67	26.0	1.0	
20	16QAM	1	1	23.55	23.65	23.60	26.0	1.0	
20	16QAM	1	1	23.00	23.10	23.05	25.5	2.5	
20	256QAM	1	1	20.10	20.20	20.21	21.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.52	24.54	24.49	26.0	1.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.15	24.15	24.15	26.0	1.0	

n26_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 164000)	Power Middle Ch. 1 (Peak 164000)	Power High Ch. 1 (Peak 164000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSS-BPSK	1	1	24.40	24.40	24.40			
20	PSS-BPSK	1	50	24.54	24.59	24.47	26.0	0.0	
20	PSS-BPSK	1	104	24.40	24.40	24.39			
20	PSS-BPSK	50	0	23.99	24.00	23.97	25.5	0.5	
20	PSS-BPSK	50	26	24.40	24.52	24.40	26.0	0.0	
20	PSS-BPSK	50	50	23.99	24.03	23.97	25.5	0.5	
20	PSS-BPSK	100	0	24.03	24.08	23.92	25.5	0.5	
20	QPSK	1	1	24.53	24.55	24.50			
20	QPSK	1	53	24.57	24.63	24.57	26.0	0.0	
20	QPSK	1	104	24.51	24.56	24.48			
20	QPSK	50	0	23.70	23.78	23.70	26.0	1.0	
20	QPSK	50	26	24.42	24.56	24.53	26.0	0.0	
20	QPSK	50	50	23.70	23.78	23.68	26.0	1.0	
20	QPSK	100	0	23.68	23.73	23.67	26.0	1.0	
20	16QAM	1	1	23.55	23.65	23.60	26.0	1.0	
20	16QAM	1	1	23.00	23.10	23.05	25.5	2.5	
20	256QAM	1	1	20.10	20.20	20.21	21.5	4.5	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.52	24.54	24.48	26.0	1.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.47	24.50	24.44	26.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.15	24.15	24.15	26.0	1.0	

n30_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Peak 462000)	Power Middle Ch. 1 (Peak 462000)	Power High Ch. 1 (Peak 462000)	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1		18.72				
10	PSS-BPSK	1	26		18.87		18.0	0.0	
10	PSS-BPSK	1	50		18.89				
10	PSS-BPSK	25	0		18.87		18.0	0.0	
10	PSS-BPSK	25	14		18.87		18.0	0.0	
10	PSS-BPSK	25	27		18.85		18.0	0.0	
10	PSS-BPSK	50	0		18.88				
10	QPSK	1	1		18.72				
10	QPSK	1	26		18.71		18.0	0.0	
10	QPSK	1	50		18.72				
10	QPSK	25	0		18.72		18.0	0.0	
10	QPSK	25	14		18.72		18.0	0.0	
10	QPSK	25	27		18.72		18.0	0.0	
10	16QAM	1	1		18.71				
10	16QAM	1	1		18.84		18.0	0.0	
10	16QAM	1	1		18.90		18.0	0.0	
10	256QAM	1	1		18.87		18.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.54	24.54	24.54	26.0	1.0	



n30_Ant 2									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	19.73			19.0	0.0	
10	PSS-BPSK	1	26	19.67					
10	PSS-BPSK	1	50	19.60					
10	PSS-BPSK	25	0	19.67			19.0	0.0	
10	PSS-BPSK	25	14	19.67					
10	PSS-BPSK	25	27	19.60					
10	PSS-BPSK	50	0	19.60			19.0	0.0	
10	QPSK	1	1	19.73					
10	QPSK	1	26	19.71			19.0	0.0	
10	QPSK	1	50	19.72					
10	QPSK	25	0	19.72			19.0	0.0	
10	QPSK	25	14	19.72					
10	QPSK	25	27	19.72			19.0	0.0	
10	QPSK	50	0	19.71					
10	MSKAM	1	1	19.64			19.0	0.0	
10	MSKAM	1	1	19.56			19.0	0.0	
10	SSGAM	1	1	19.67			19.0	0.0	
Channel				19.73	19.60	19.73	19.0	0.0	
Frequency (MHz)				19.73	19.60	19.73	19.0	0.0	
5	QPSK	1	1	19.54	19.60	19.60	19.0	0.0	

n30_Ant 7									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
10	PSS-BPSK	1	1	22.78					
10	PSS-BPSK	1	26	22.80			24.0	0.0	
10	PSS-BPSK	1	50	22.79					
10	PSS-BPSK	25	0	22.71			24.0	0.0	
10	PSS-BPSK	25	14	22.68					
10	PSS-BPSK	25	27	22.70			24.0	0.0	
10	PSS-BPSK	50	0	22.69					
10	QPSK	1	1	22.80					
10	QPSK	1	26	22.79			24.0	0.0	
10	QPSK	1	50	22.72					
10	QPSK	25	0	21.89			23.0	1.0	
10	QPSK	25	14	22.00			24.0	0.0	
10	QPSK	25	27	21.89					
10	MSKAM	1	1	21.89			23.0	1.0	
10	MSKAM	1	1	20.71			22.0	2.0	
10	SSGAM	1	1	19.73			20.0	4.0	
Channel				22.78	22.71	22.78	24.0	0.0	
Frequency (MHz)				22.78	22.71	22.78	24.0	0.0	
5	QPSK			22.83	22.78	22.82	24.0	0.0	

n66_Ant 1									
SW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Media Ch. / Power	Power High Ch. / Power	Tune-up limit (dBm)	Margin (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	24.42	24.50	24.45			
40	PSS-BPSK	1	108	24.50	24.43	24.54	25.0	0.0	
40	PSS-BPSK	1	214	24.35	24.43	24.34			
40	PSS-BPSK	108	0	23.97	23.90	23.94	24.5	0.0	
40	PSS-BPSK	108	94	24.33	24.45	24.39			
40	PSS-BPSK	108	108	23.90	23.93	23.91	24.5	0.0	
40	PSS-BPSK	216	0	23.89	23.95	23.83			
40	QPSK	1	1	24.45	24.53	24.48			
40	QPSK	1	108	24.31	24.45	24.35	25.0	0.0	
40	QPSK	1	214	24.51	24.43	24.53			
40	QPSK	108	0	23.92	23.43	23.28	24.0	1.0	
40	QPSK	108	94	24.51	24.50	24.52	25.0	0.0	
40	QPSK	108	108	23.28	23.32	23.27			
40	MSKAM	216	0	23.13	23.30	23.50	24.0	1.0	
40	MSKAM	1	1	23.23	23.33	23.28	24.0	1.0	
40	MSKAM	1	1	21.80	21.90	21.77	22.0	2.0	
40	SSGAM	1	1	19.81	19.88	19.82	20.0	4.0	
Channel				24.42	24.50	24.45	25.0	0.0	
Frequency (MHz)				24.42	24.50	24.45	25.0	0.0	
30	QPSK	1	1	24.37	24.35	24.37	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.29	24.47	24.41	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.30	24.48	24.34	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.29	24.43	24.53	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.30	24.48	24.48	25.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	24.34	24.48	24.34	25.0	0.0	



n71_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up level (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				134500	135100	135700			
				0	0	0			
20	PI2 BPSK	1	1	24.43	24.53	24.55			
20	PI2 BPSK	1	50	24.37	24.49	24.49	20.0		0.0
20	PI2 BPSK	1	104	24.33	24.52	24.47			
20	PI2 BPSK	50	0	23.79	24.05	23.70	25.0		0.5
20	PI2 BPSK	50	26	24.38	24.54	24.44	25.0		0.0
20	PI2 BPSK	50	50	23.79	23.77	23.70			
20	PI2 BPSK	100	0	23.82	24.05	23.89	25.5		0.5
20	QPSK	1	1	24.49	24.53	24.50			
20	QPSK	1	50	24.48	24.53	24.49	20.0		0.0
20	QPSK	1	104	24.49	24.50	24.51			
20	QPSK	50	0	23.49	23.59	23.43	25.0		1.0
20	QPSK	50	26	24.49	24.54	24.50	25.0		0.0
20	QPSK	50	50	23.42	23.58	23.49			
20	QPSK	100	0	23.42	23.55	23.50	25.0		1.0
20	16QAM	1	1	23.98	23.52	23.39	25.0		1.0
20	16QAM	1	1	23.74	23.26	23.70	23.0		2.0
20	256QAM	1	1	19.33	19.83	19.32	21.0		4.0
Channel									
Frequency (MHz)				135100	135700	136300			
				0	0	0			
10	PI2 BPSK	1	1	24.43	24.53	24.42	20.0		1.0
Channel									
Frequency (MHz)				135700	136300	136900			
				0	0	0			
10	PI2 BPSK	1	1	24.43	24.53	24.51	20.0		0.0
Channel									
Frequency (MHz)				136900	137500	138100			
				0	0	0			
5	PI2 BPSK	1	1	24.43	24.53	24.51	20.0		0.0

n48_Part96_Ant 7

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3676	3624.99	3675.98		
40	PB2 BPSK	1	1	22.46	22.53	22.42		
40	PB2 BPSK	1	58	22.37	22.50	22.44	23.5	0.0
40	PB2 BPSK	1	104	22.46	22.54	22.43		
40	PB2 BPSK	50	9	22.55	22.46	22.57	23.5	0.0
40	PB2 BPSK	50	26	22.47	22.58	22.52	23.5	0.0
40	PB2 BPSK	50	28	22.35	22.44	22.36		
40	PB2 BPSK	100	9	22.51	22.46	22.38	23.5	0.0
40	QPSK	1	1	22.35	22.59	22.50		
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0
40	QPSK	1	104	22.53	22.54	22.45		
40	QPSK	50	9	22.18	22.24	22.35		
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0
40	QPSK	50	28	22.16	22.17	22.30		
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0
40	16QAM	1	1	22.07	22.17	22.08	23.5	1.0
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0
Channel				63800	64166	64532	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655.00	3624.99	3654.99	(dBm)	
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0
Channel				63734	64166	64600	Tune-up limit (dBm)	MPR
Frequency (MHz)				3674.99	3624.99	3674.99	(dBm)	
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0
Channel				63716	64166	64616	Tune-up limit (dBm)	MPR
Frequency (MHz)				3657.52	3624.99	3657.52	(dBm)	
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0
Channel				63700	64166	64613	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3654.98	(dBm)	
10	QPSK	1	1	22.39	22.43	22.31	23.5	0.0

n48_Part96_Ant 10

RF [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media. Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				63800	64166	64532		MPR
Frequency (MHz)				3676	3624.99	3675.98		
40	PB2 BPSK	1	1	22.46	22.53	22.42		
40	PB2 BPSK	1	58	22.37	22.50	22.44	23.5	0.0
40	PB2 BPSK	1	104	22.46	22.54	22.43		
40	PB2 BPSK	50	9	22.55	22.46	22.57	23.5	0.0
40	PB2 BPSK	50	26	22.47	22.58	22.52	23.5	0.0
40	PB2 BPSK	50	28	22.35	22.44	22.36		
40	PB2 BPSK	100	9	22.51	22.46	22.38	23.5	0.0
40	QPSK	1	1	22.35	22.59	22.50		
40	QPSK	1	53	22.28	22.36	22.47	23.5	0.0
40	QPSK	1	104	22.53	22.54	22.45		
40	QPSK	50	9	22.18	22.22	22.22		
40	QPSK	50	26	22.33	22.49	22.40	23.5	0.0
40	QPSK	50	28	22.16	22.17	22.30		
40	QPSK	100	9	22.17	22.18	22.16	23.5	0.0
40	16QAM	1	1	22.02	22.17	22.11	23.5	0.0
40	16QAM	1	1	22.07	22.17	22.08	23.5	1.0
40	256QAM	1	1	20.05	20.13	20.05	20.5	3.0
Channel				63734	64166	64600	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655.00	3624.99	3654.99	(dBm)	
30	QPSK	1	1	22.38	22.41	22.31	23.5	0.0
Channel				63734	64166	64600	Tune-up limit (dBm)	MPR
Frequency (MHz)				3674.99	3624.99	3674.99	(dBm)	
20	QPSK	1	1	22.33	22.45	22.31	23.5	0.0
Channel				63716	64166	64616	Tune-up limit (dBm)	MPR
Frequency (MHz)				3657.52	3624.99	3657.52	(dBm)	
15	QPSK	1	1	22.37	22.37	22.31	23.5	0.0
Channel				63700	64166	64613	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3654.98	(dBm)	
10	QPSK	1	1	22.39	22.43	22.31	23.5	0.0



n71_Ant 2									
BW (kHz)	Modulation	RB Size	RB Offset	Power Low Ch. Power	Power Middle Ch. Power	Power High Ch. Power	Tune-up level (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				134500	135100	135700			
				0	0	0			
20	PI-CBFSK	1	1	24.43	24.53	24.65			
20	PI-CBFSK	1	50	24.37	24.48	24.49	20.0	0.0	
20	PI-CBFSK	1	104	24.33	24.52	24.67			
20	PI-CBFSK	50	0	23.79	24.00	23.90	25.0	0.0	
20	PI-CBFSK	50	26	24.38	24.54	24.44	25.0	0.0	
20	PI-CBFSK	50	50	23.79	23.97	23.90			
20	PI-CBFSK	100	0	23.82	24.05	23.88	25.5	0.0	
20	QPSK	1	1	24.49	24.53	24.58			
20	QPSK	1	50	24.48	24.53	24.49	20.0	0.0	
20	QPSK	1	104	24.49	24.50	24.51			
20	QPSK	50	0	23.49	23.59	23.43	25.0	1.0	
20	QPSK	50	26	24.49	24.54	24.39	25.0	1.0	
20	QPSK	50	50	23.42	23.55	23.49			
20	QPSK	100	0	23.42	23.55	23.39	25.0	1.0	
20	16QAM	1	1	23.98	23.92	23.88	25.0	1.0	
20	16QAM	1	1	23.74	23.80	23.78	23.0	2.5	
20	256QAM	1	1	19.33	19.83	19.32	21.0	4.0	
Channel									
Frequency (MHz)				135100	135700	136300			
				0	0	0			
10	PI-CBFSK	1	1	24.43	24.53	24.65			
Channel									
Frequency (MHz)				135700	136300	136900			
				0	0	0			
10	PI-CBFSK	1	1	24.43	24.53	24.65			
Channel									
Frequency (MHz)				136300	136900	137500			
				0	0	0			
5	PI-CBFSK	1	1	24.43	24.53	24.65			

Par27Q n77 HPUE_Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Medium Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)		MPN (dB)
Channel				83200	83332	83366			
Frequency (MHz)				83200	83332	83366			
100	PL2 BPSK	1	1	26.27	26.27	26.27	27.5	0.0	
100	PL2 BPSK	1	137	26.23	26.23	26.23			
100	PL2 BPSK	1	271	26.36	26.36	26.36	27.5	0.0	
100	PL2 BPSK	135	6	26.34	26.34	26.34			
100	PL2 BPSK	135	69	26.31	26.31	26.31	27.5	0.0	
100	PL2 BPSK	135	138	26.10	26.10	26.10			
100	PL2 BPSK	270	0	26.09	26.09	26.09	27.5	0.0	
100	QPSK	1	1	26.38	26.38	26.38			
100	QPSK	1	137	26.09	26.09	26.09	27.5	0.0	
100	QPSK	135	271	26.37	26.37	26.37			
100	QPSK	135	0	26.37	26.37	26.37	27.5	0.0	
100	QPSK	135	69	26.17	26.17	26.17			
100	QPSK	135	138	26.53	26.53	26.53	26.5	1.0	
100	QPSK	270	0	26.54	26.54	26.54			
100	16QAM	1	1	26.44	26.44	26.44	26.5	1.0	
100	256QAM	1	1	27.05	27.05	27.05			
Channel				83300	83332	83366	Tune-up limit (dBm)		MPN (dB)
Frequency (MHz)				83300	83332	83366			
90	QPSK	1	1	26.26	26.24	26.26	27.5	0.0	
Channel				83300	83332	83366			
Frequency (MHz)				83300	83332	83366			
80	QPSK	1	1	26.29	26.31	26.31	27.5	0.0	
Channel				832384	832332	832332			
Frequency (MHz)				832384	832332	832332	Tune-up limit (dBm)		MPN (dB)
70	QPSK	1	1	26.32	26.30	26.30	27.5	0.0	
Channel				832680	832632	832632			
Frequency (MHz)				832680	832632	832632	Tune-up limit (dBm)		MPN (dB)
60	QPSK	1	1	26.33	26.35	26.35	27.5	0.0	
Channel				831868	831832	831832			
Frequency (MHz)				831868	831832	831832	Tune-up limit (dBm)		MPN (dB)
50	QPSK	1	1	26.35	26.39	26.39	27.5	0.0	
Channel				831334	831332	831332			
Frequency (MHz)				831334	831332	831332	Tune-up limit (dBm)		MPN (dB)
40	QPSK	1	1	26.35	26.31	26.34	27.5	0.0	
Channel				831100	831132	831132			
Frequency (MHz)				831100	831132	831132	Tune-up limit (dBm)		MPN (dB)
30	QPSK	1	1	26.33	26.33	26.37	27.5	0.0	
Channel				830834	831332	831332			
Frequency (MHz)				830834	831332	831332	Tune-up limit (dBm)		MPN (dB)
25	QPSK	1	1	26.32	26.28	26.33	27.5	0.0	
Channel				830918	831332	831332			
Frequency (MHz)				830918	831332	831332	Tune-up limit (dBm)		MPN (dB)
20	QPSK	1	1	26.33	26.33	26.34	27.5	0.0	
Channel				830709	831332	831332			
Frequency (MHz)				830709	831332	831332	Tune-up limit (dBm)		MPN (dB)
15	QPSK	1	1	26.23	26.22	26.33	27.5	0.0	
Channel				830584	831332	831332			
Frequency (MHz)				830584	831332	831332	Tune-up limit (dBm)		MPN (dB)
10	QPSK	1	1	26.31	26.31	26.33	27.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]	
Channel									
Frequency [MHz]									
100	QPSK	1	1	20.46	20.53	20.50	22.0	0.0	
100	QPSK	1	137	20.58	20.57	20.50			
100	QPSK	1	271	20.58	20.48	20.25			
100	QPSK	137	8	20.55	20.28	20.55			
100	QPSK	137	88	20.44	20.48	20.58	22.0	0.0	
100	QPSK	137	195	20.23	20.51	20.28			
100	QPSK	273	9	20.50	20.43	20.25			
100	16QAM	1	1	20.53	20.40	20.28			
100	16QAM	1	1	20.50	20.34	20.38	0.0		0.0
100	256QAM	1	1	20.24	20.38	20.39	0.0		0.0
Channel									
Frequency [MHz]									
90	QPSK	1	1	20.33	20.37	20.46	0.0		0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.29	20.40	20.39	0.0		0.0
Channel									
Frequency [MHz]									
70	QPSK	1	1	20.51	20.41	20.42	0.0		0.0
Channel									
Frequency [MHz]									
80	QPSK	1	1	20.29	20.41	20.43	0.0		0.0
Channel									
Frequency [MHz]									
50	QPSK	1	1	20.35	20.42	20.48	0.0		0.0
Channel									
Frequency [MHz]									
40	QPSK	1	1	20.35	20.41	20.39	0.0		0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	20.33	20.40	20.44	0.0		0.0
Channel									
Frequency [MHz]									
25	QPSK	1	1	20.35	20.43	20.42	0.0		0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	20.29	20.45	20.40	0.0		0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	20.28	20.41	20.41	0.0		0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	20.27	20.48	20.43	0.0		0.0

n41_HPUE_Ant 9											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Main Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency [MHz]											
100	QPSK	1	1	20.46	20.50	20.56	24.5	0.0			
100	QPSK	1	137	20.58	20.40	20.58					
100	QPSK	1	271	20.48	20.53	20.41					
100	QPSK	137	8	20.55	20.38	20.52					
100	QPSK	137	88	20.58	20.48	20.52	24.5	0.0			
100	QPSK	137	195	20.52	20.40	20.54					
100	QPSK	273	9	20.51	20.43	20.34					
100	16QAM	1	1	20.48	20.53	20.39					
100	16QAM	1	1	20.35	20.38	20.23	0.0		0.0		
100	256QAM	1	1	20.86	20.92	20.85	0.0		0.0		
Channel											
Frequency [MHz]											
80	QPSK	1	1	20.58	20.49	20.42	0.0		0.0		
Channel											
Frequency [MHz]											
80	QPSK	1	1	20.38	20.54	20.46	0.0		0.0		
Channel											
Frequency [MHz]											
70	QPSK	1	1	20.57	20.51	20.44	0.0		0.0		
Channel											
Frequency [MHz]											
80	QPSK	1	1	20.30	20.53	20.42	0.0		0.0		
Channel											
Frequency [MHz]											
50	QPSK	1	1	20.36	20.43	20.41	0.0		0.0		
Channel											
Frequency [MHz]											
40	QPSK	1	1	20.30	20.52	20.43	0.0		0.0		
Channel											
Frequency [MHz]											
30	QPSK	1	1	20.30	20.52	20.44	0.0		0.0		
Channel											
Frequency [MHz]											
25	QPSK	1	1	20.35	20.43	20.47	0.0		0.0		
Channel											
Frequency [MHz]											
20	QPSK	1	1	20.31	20.54	20.43	0.0		0.0		
Channel											
Frequency [MHz]											
15	QPSK	1	1	20.29	20.58	20.48	0.0		0.0		
Channel											
Frequency [MHz]											
10	QPSK	1	1	20.35	20.43	20.47	0.0		0.0		

[illegible]



BT BR/EDR Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	16.20	18.00	13.60	15.00	13.60	15.00
	CH 39	2441	16.50	18.00	14.10	15.50	14.10	15.50
	CH 78	2480	15.40	17.00	12.90	14.50	12.90	14.50

BLE Ant 4

Mode	Channel	Frequency (MHz)	Average power (dBm)		Average power (dBm)	
			1Mbps	2Mbps	125kbps	500kbps
BLE	CH 00	2402	4.80	4.90	4.90	4.80
	CH 19	2440	5.40	5.50	5.60	5.40
	CH 39	2480	4.10	4.30	4.20	4.10
Tune-up Limit			7	7	7	7

BT BR/EDR Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	15.20	16.50	12.30	14.00	12.30	14.00
	CH 39	2441	15.40	17.00	12.70	14.50	12.70	14.50
	CH 78	2480	14.40	16.00	11.60	13.50	11.60	13.00

BLE Ant 6

Mode	Channel	Frequency (MHz)	Average power (dBm)		Average power (dBm)	
			1Mbps	2Mbps	125kbps	500kbps
BLE	CH 00	2402	3.80	3.70	3.60	3.40
	CH 19	2440	4.00	4.20	4.10	4.00
	CH 39	2480	2.90	3.10	3.00	2.80
Tune-up Limit			5.5	5.5	5.5	5.5

BT BR/EDR Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			1Mbps	Tune-up	2Mbps	Tune-up	3Mbps	Tune-up
BR / EDR	CH 00	2402	16.80	18.50	14.10	15.50	14.10	15.50
	CH 39	2441	17.10	18.50	14.50	16.00	14.30	16.00
	CH 78	2480	16.10	17.50	13.40	15.00	13.30	15.00

BLE Ant 5

Mode	Channel	Frequency (MHz)	Average power (dBm)		Average power (dBm)	
			1Mbps	2Mbps	125kbps	500kbps
BLE	CH 00	2402	6.30	6.40	6.40	6.20
	CH 19	2440	6.60	6.70	6.70	6.50
	CH 39	2480	5.80	6.00	5.90	5.70
Tune-up Limit			8	8	8	8

BT BR/EDR		1Mbps	Ant 5+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			Ant 5	Tune-up	Ant 4	Tune-up	Ant 5+4	Tune-up
BR / EDR	CH 00	2402	14.90	16.50	13.40	15.00	17.22	18.50
	CH 39	2441	15.10	16.50	14.80	16.00	17.96	19.00
	CH 78	2480	14.20	16.00	13.50	15.00	16.87	18.50

BT BR/EDR		2Mbps	Ant 5+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			Ant 5	Tune-up	Ant 4	Tune-up	Ant 5+4	Tune-up
BR / EDR	CH 00	2402	12.30	14.00	11.50	13.00	14.93	16.50
	CH 39	2441	12.60	14.00	12.50	14.00	15.56	17.00
	CH 78	2480	11.70	13.50	11.00	12.50	14.37	16.00

BT BR/EDR		3Mbps	Ant 5+4					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			Ant 5	Tune-up	Ant 4	Tune-up	Ant 5+4	Tune-up
BR / EDR	CH 00	2402	12.20	14.00	11.50	13.00	14.87	16.50
	CH 39	2441	12.50	14.00	12.50	14.00	15.51	17.00
	CH 78	2480	11.30	13.00	11.00	12.50	14.16	15.50

BT BR/EDR		1Mbps	Ant 5+6					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			Ant 5	Tune-up	Ant 6	Tune-up	Ant 5+6	Tune-up
BR / EDR	CH 00	2402	14.90	16.50	12.60	14.50	16.91	18.50
	CH 39	2441	15.20	17.00	13.20	15.00	17.32	19.00
	CH 78	2480	14.30	16.00	11.80	13.50	16.24	18.00

BT BR/EDR		2Mbps	Ant 5+6					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			Ant 5	Tune-up	Ant 6	Tune-up	Ant 5+6	Tune-up
BR / EDR	CH 00	2402	12.50	14.00	10.40	12.00	14.59	16.00
	CH 39	2441	12.90	14.50	10.80	12.50	14.99	16.50
	CH 78	2480	11.90	13.50	9.40	11.00	13.84	15.50

BT BR/EDR		3Mbps	Ant 5+6					
Mode	Channel	Frequency (MHz)	Average power (dBm)					
			Packet Type					
			Ant 5	Tune-up	Ant 6	Tune-up	Ant 5+6	Tune-up
BR / EDR	CH 00	2402	12.50	14.00	10.40	12.00	14.59	16.00
	CH 39	2441	12.80	14.50	10.80	12.50	14.92	16.50
	CH 78	2480	11.80	13.50	9.40	11.00	13.77	15.50