



Band 2 Ant 1												
BW [MHz]	Modulation	RIS Size	RIS Offset	Power Main Ch. [Freq.]	Power Hsp Ch. [Freq.]	Power Main Ch. [Freq.]	Turn-up Rate [dB]	MPR [dB]				
Channel												
Frequency [MHz]												
20	QPSK	1	0	19.80	19.80	19.80			21	0		
20	QPSK	1	8	19.80	19.80	19.80						
20	QPSK	1	99	19.87	19.83	19.77						
20	QPSK	50	0	19.83	19.83	19.88			21	0		
20	QPSK	50	24	19.82	19.78	19.73						
20	QPSK	50	50	19.83	19.87	19.88						
20	QPSK	100	0	19.75	19.85	19.85			21	0		
20	QPSK	100	49	19.68	19.89	19.89						
20	16QAM	1	99	19.81	19.86	19.87			21	0		
20	16QAM	1	0	19.80	19.80	19.83						
20	16QAM	50	24	19.38	19.37	19.40			21	0		
20	16QAM	50	50	19.38	19.82	19.88						
20	16QAM	100	0	19.45	19.89	19.90			21	0		
20	16QAM	100	0	19.61	19.80	19.81						
20	64QAM	1	99	19.81	19.84	19.81			21	0		
20	64QAM	1	0	19.80	19.80	19.83						
20	64QAM	50	0	19.25	19.24	19.16			21	0		
20	64QAM	50	24	19.15	19.16	19.21						
20	64QAM	100	0	19.25	19.25	19.30			21	0		
20	64QAM	100	0	19.11	19.14	19.27						
20	256QAM	1	99	17.43	17.42	17.31			19	2		
20	256QAM	1	99	17.37	17.42	17.43						
20	256QAM	50	24	17.27	17.27	17.35			19	2		
20	256QAM	50	24	17.21	17.17	17.23						
20	256QAM	50	50	17.11	17.14	17.25			19	2		
20	256QAM	100	0	17.20	17.20	17.23						
Channel												
Frequency [MHz]												
15	QPSK	1	0	19.75	19.88	19.88			21	0		
15	QPSK	1	8	19.73	19.72	19.87						
15	QPSK	1	74	19.79	19.79	19.71			21	0		
15	QPSK	36	0	19.84	19.81	19.78						
15	QPSK	36	99	19.87	19.86	19.86			21	0		
15	QPSK	36	99	19.75	19.83	19.87						
15	16QAM	1	99	19.84	19.86	19.87			21	0		
15	16QAM	1	0	19.81	19.84	19.84						
15	16QAM	1	37	19.83	19.84	19.89			21	0		
15	16QAM	1	37	19.79	19.80	19.83						
15	16QAM	36	0	19.47	19.25	19.51			21	0		
15	16QAM	36	20	19.24	19.31	19.32						
15	16QAM	36	20	19.25	19.25	19.30			21	0		
15	16QAM	36	20	19.15	19.15	19.20						
15	16QAM	75	0	19.25	19.24	19.38			21	0		
15	64QAM	1	0	19.47	19.45	19.31						
15	64QAM	1	99	19.47	19.47	19.47			21	0		
15	64QAM	1	74	19.53	19.50	19.36						
15	64QAM	36	0	19.13	19.12	19.05			21	0		
15	64QAM	36	99	19.08	19.08	19.08						
15	64QAM	36	99	19.10	19.05	19.01			21	0		
15	64QAM	36	99	19.08	19.06	19.06						
15	256QAM	1	37	17.32	17.29	17.13			19	2		
15	256QAM	1	37	17.30	17.29	17.31						
15	256QAM	36	20	17.34	17.32	17.34			19	2		
15	256QAM	36	20	17.23	17.20	17.15						
15	256QAM	36	99	17.04	17.05	17.07			19	2		
15	256QAM	36	99	17.04	17.05	17.07						
Channel												
Frequency [MHz]												
10	QPSK	1	0	19.80	19.80	19.80			21	0		
10	QPSK	1	25	19.77	19.79	19.66						
10	QPSK	1	49	19.81	19.87	19.85			21	0		
10	QPSK	1	49	19.80	19.80	19.80						
10	QPSK	25	12	19.75	19.75	19.59			21	0		
10	QPSK	25	25	19.75	19.83	19.87						
10	16QAM	1	0	19.57	19.59	19.44			21	0		
10	16QAM	1	25	19.59	19.54	19.56						
10	16QAM	25	12	19.58	19.43	19.43			21	0		
10	16QAM	25	12	19.35	19.20	19.30						
10	16QAM	25	12	19.25	19.23	19.31			21	0		
10	16QAM	25	12	19.48	19.43	19.48						
10	16QAM	50	0	19.25	19.39	19.45			21	0		
10	16QAM	50	0	19.62	19.62	19.26						
10	64QAM	1	49	19.54	19.38	19.45			21	0		
10	64QAM	1	49	19.51	19.36	19.45						
10	64QAM	25	0	19.12	19.12	19.08			21	0		
10	64QAM	25	19	19.08	19.15	19.09						
10	64QAM	25	25	19.04	19.04	19.11			21	0		
10	64QAM	25	25	19.11	19.08	19.09						
10	256QAM	1	25	17.27	17.28	17.40			19	2		
10	256QAM	1	25	17.24	17.31	17.23						
10	256QAM	1	25	17.16	17.17	17.23			19	2		
10	256QAM	1	25	17.05	17.06	17.09						
10	256QAM	25	25	17.05	17.05	17.03			19	2		
10	256QAM	25	25	17.05	17.05	17.03						
Channel												
Frequency [MHz]												
5	QPSK	1	0	19.80	19.80	19.80			21	0		
5	QPSK	1	12	19.83	19.74	19.75						
5	QPSK	1	24	19.82	19.83	19.85			21	0		
5	QPSK	12	0	19.48	19.48	19.74						
5	QPSK	12	7	19.67	19.69	19.62			21	0		
5	QPSK	12	13	19.73	19.61	19.66						
5	16QAM	1	0	19.60	19.65	19.47			21	0		
5	16QAM	1	12	19.64	19.61	19.59						
5	16QAM	1	12	19.45	19.73	19.38			21	0		
5	16QAM	1	12	19.42	19.36	19.48						
5	16QAM	12	0	19.42	19.36	19.48			21	0		
5	16QAM	12	7	19.31	19.26	19.33						
5	16QAM	12	13	19.53	19.42	19.52			21	0		
5	16QAM	12	13	19.52	19.34	19.43						
5	16QAM	25	0	19.32	19.34	19.43			21	0		
5	16QAM	25	0	19.30	19.51	19.33						
5	16QAM	25	19	19.45	19.39	19.47			21	0		
5	16QAM	25	19	19.46	19.39	19.45						
5	16QAM	12	0	19.12	19.21	19.08			21	0		
5	16QAM	12	0	19.08	19.15	19.08						
5	16QAM	12	13	19.13	19.07	19.00			21	0		
5	16QAM	12	13	19.11	19.01	19.15						
5	256QAM	1	12	17.25	17.25	17.40			19	2		
5	256QAM	1	12	17.25	17.27	17.23						
5	256QAM	1	24	17.30	17.21	17.26			19	2		
5	256QAM	1	24	17.11	17.14	17.20						
5	256QAM	12	7	17.08	17.02	17.08			19	2		
5	256QAM	12	7	17.08	17.02	17.08						
5	256QAM	12	13	17.05	17.05	17.02			19	2		
5	256QAM	12	13	17.05	17.05	17.02						
Channel												
Frequency [MHz]												
3	QPSK	1	0	19.75	19.75	19.83			21	0		
3	QPSK	1	8	19.81	19.81	19.71						
3	QPSK	1	14	19.79	19.81	19.70			21	0		
3	QPSK	8	4	19.75	19.83	19.87						
3	QPSK	8	4	19.76	19.83	19.85			21	0		
3	QPSK	8	4	19.75	19.83	19.87						
3	16QAM	1	0	19.6	19.6	19.6			21	0		
3	16QAM	1	14	19.67	19.67	19.67						
3	16QAM	14	3	19.72	19.72	19.72			21	0		
3	16QAM	14	3	19.71	19.71	19.71						
3	16QAM	14	3	19.65	19.65	19.64			21	0		
3	16QAM	14	3	19.64	19.64	19.64						
3	16QAM	14	3	19.63	19.63	19.63			21	0		
3	16QAM	14	3	19.62	19.62	19.62						
3	16QAM	14	3	19.61	19.61	19.61			21	0		
3	16QAM	14	3	19.60	19.60	19.60						
3	16QAM	14	3	19.59	19.59	19.59			21	0		
3	16QAM	14	3	19.58	19.58	19.58						
3	16QAM	14	3	19.57	19.57	19.57			21	0		
3	16QAM	14	3	19.56	19.56	19.56						
3	16QAM	14	3	19.55	19.55	19.55			21	0		
3	16QAM	14	3	19.54	19.54	19.54						
3	16QAM	14	3	19.53	19.53	19.53			21	0		
3	16QAM	14	3	19.52	19.52	19.52						
3	16QAM	14	3	19.51	19.51	19.51			21	0		
3	16QAM	14	3	19.50	19.50	19.50						
3	16QAM	14	3	19.49	19.49	19.49			21	0		
3	16QAM	14	3	19.48	19.48	19.48						
3	16QAM	14	3	19.47	19.47	19.47			21	0		
3	16QAM	14	3	19.46	19.46	19.46						
3	16QAM	14	3	19.45	19.45	19.45			21	0		
3	16QAM	14	3	19.44	19.44	19.44						
3	16QAM	14	3	19.43	19.43	19.43			21	0		
3	16QAM	14	3	19.42	19.42	19.42						
3	16QAM	14	3	19.41	19.41	19.41			21	0		
3	16QAM	14	3	19.40	19.40	19.40						
3	16QAM	14	3	19.39	19.39	19.39			21	0		
3	16QAM	14	3	19.38	19.38	19.38						
3	16QAM	14	3	19.37	19.37	19.37			21	0		
3	16QAM	14	3	19.36	19.36	19.36						
3	16QAM	14	3	19.35	19.35	19.35			21	0		
3	16QAM	14										



Band 38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / [Freq]	Power High Ch / [Freq]	Power Low Ch / [Freq]	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				37465	38600	38150			
20	QPSK	1	0	22.76	22.84	22.80			
20	QPSK	1	48	22.84	22.87	22.84	24	0	
20	QPSK	1	88	22.86	22.92	22.89			
20	QPSK	50	0	21.64	21.52	21.59			
20	QPSK	50	24	21.58	21.74	21.59	23	1	
20	QPSK	50	48	21.50	21.63	21.58			
20	QPSK	100	0	21.73	21.79	21.72			
20	HQAM	1	0	21.92	22.07	22.07	23	1	
20	HQAM	1	48	21.98	22.10	21.91			
20	HQAM	1	96	21.86	22.04	21.96			
20	HQAM	50	24	20.54	20.76	20.54	22	2	
20	HQAM	50	48	20.52	20.66	20.61			
20	HQAM	100	0	20.72	20.78	20.75			
20	BAGAM	1	0	20.87	20.95	20.92			
20	BAGAM	1	48	20.78	20.89	20.80	22	2	
20	BAGAM	1	96	20.71	20.85	20.76			
20	BAGAM	50	0	19.80	19.72	19.83			
20	BAGAM	50	24	19.53	19.65	19.52	21	3	
20	BAGAM	50	50	19.52	19.59	19.57			
20	BAGAM	100	0	19.89	19.85	19.86			
20	255QAM	1	0	17.79	17.85	17.83			
20	255QAM	1	48	17.84	17.89	17.75	19	5	
20	255QAM	1	96	17.77	17.83	17.78			
20	255QAM	50	0	17.57	17.73	17.68			
20	255QAM	50	24	17.52	17.58	17.40	19	5	
20	255QAM	50	50	17.40	17.55	17.51			
20	255QAM	100	0	17.50	17.55	17.50			
Channel									
Frequency (MHz)				37425	38600	38175	Turn-up time (dBm)	MFR (dB)	
15	QPSK	1	0	22.74	22.79	22.72			
15	QPSK	1	37	22.82	22.89	22.82	24	0	
15	QPSK	1	74	22.82	22.84	22.45			
15	QPSK	36	0	21.60	21.71	21.68			
15	QPSK	36	20	21.49	21.65	21.53	23	1	
15	QPSK	36	37	21.47	21.70	21.70			
15	QPSK	75	0	21.62	21.70	21.70			
15	HQAM	1	0	21.83	22.01	22.06			
15	HQAM	1	37	21.82	22.04	21.93	23	1	
15	HQAM	1	74	21.84	22.03	21.91			
15	HQAM	36	0	20.68	20.65	20.56			
15	HQAM	36	20	20.62	20.68	20.59	22	2	
15	HQAM	36	37	20.63	20.68	20.59			
15	HQAM	75	0	20.43	20.48	20.43			
15	BAGAM	1	0	20.70	20.87	20.88			
15	BAGAM	1	74	20.67	20.75	20.84			
15	BAGAM	36	0	19.50	19.65	19.44	21	3	
15	BAGAM	36	20	19.43	19.60	19.44			
15	BAGAM	36	37	19.51	19.70	19.64			
15	BAGAM	75	0	19.50	19.55	19.45			
15	255QAM	1	0	17.71	17.82	17.82			
15	255QAM	1	37	17.77	17.77	17.77	19	5	
15	255QAM	1	74	17.77	17.77	17.77			
15	255QAM	36	0	17.53	17.62	17.53			
15	255QAM	36	20	17.54	17.63	17.65	19	5	
15	255QAM	36	37	17.48	17.61	17.42			
15	255QAM	75	0	17.56	17.64	17.47			
Channel									
Frequency (MHz)				2471	2516	2517	Turn-up time (dBm)	MFR (dB)	
10	QPSK	1	0	22.67	22.73	22.70	24	0	
10	QPSK	1	25	22.56	22.57	22.42			
10	QPSK	1	48	22.40	22.40	22.40			
10	QPSK	1	87	22.37	22.39	22.39	23	1	
10	QPSK	25	0	21.47	21.73	21.46			
10	QPSK	25	25	21.60	21.52	21.38			
10	HQAM	1	0	21.88	21.86	22.00			
10	HQAM	1	25	21.86	22.03	21.81	23	1	
10	HQAM	1	48	21.85	21.89	21.84			
10	HQAM	25	0	20.65	20.69	20.45	22	2	
10	HQAM	25	25	20.44	20.54	20.48			
10	HQAM	25	48	20.42	20.56	20.50			
10	HQAM	50	0	20.61	20.55	20.59			
10	BAGAM	1	0	20.82	20.89	20.86			
10	BAGAM	1	25	20.76	20.88	20.83	22	2	
10	BAGAM	1	48	20.61	20.75	20.82			
10	BAGAM	25	0	19.53	19.64	19.60			
10	BAGAM	25	12	19.51	19.52	19.41	21	3	
10	BAGAM	25	25	19.51	19.54	19.53			
10	BAGAM	50	0	19.54	19.64	19.51			
10	255QAM	1	0	17.67	17.80	17.77			
10	255QAM	1	25	17.79	17.78	17.75	19	5	
10	255QAM	1	48	17.76	17.77	17.71			
10	255QAM	25	0	17.54	17.65	17.53			
10	255QAM	25	12	17.54	17.67	17.50	19	5	
10	255QAM	25	25	17.54	17.67	17.42			
10	255QAM	50	0	17.59	17.65	17.50			
Channel									
Frequency (MHz)				2517.5	2545	2547.5	Turn-up time (dBm)	MFR (dB)	
5	QPSK	1	0	22.65	22.75	22.68			
5	QPSK	1	12	22.54	22.57	22.51	24	0	
5	QPSK	1	24	22.42	22.55	22.47			
5	QPSK	12	0	21.60	21.78	21.75			
5	QPSK	12	7	21.51	21.67	21.68	23	1	
5	QPSK	12	13	21.56	21.57	21.43			
5	HQAM	1	0	21.88	22.03	22.04			
5	HQAM	1	12	21.80	22.05	21.82	23	1	
5	HQAM	1	24	21.76	21.86	21.80			
5	HQAM	12	0	20.64	20.71	20.65			
5	HQAM	12	7	20.47	20.65	20.44	22	2	
5	HQAM	12	13	20.52	20.65	20.56			
5	HQAM	25	0	20.86	20.86	20.85			
5	HQAM	1	0	20.83	20.80	20.81			
5	HQAM	1	12	20.89	20.81	20.83	22	2	
5	BAGAM	1	24	20.69	20.70	20.83			
5	BAGAM	12	0	19.48	19.56	19.44	21	3	
5	BAGAM	12	7	19.47	19.51	19.42			
5	BAGAM	12	13	19.61	19.56	19.47			
5	BAGAM	25	0	19.56	19.58	19.50			
5	255QAM	1	0	17.70	17.76	17.72			
5	255QAM	1	12	17.79	17.83	17.70	19	5	
5	255QAM	1	24	17.77	17.81	17.77			
5	255QAM	12	0	17.46	17.62	17.56			
5	255QAM	12	13	17.59	17.59	17.40	19	5	
5	255QAM	25	0	17.54	17.60	17.40			

Band 41 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / [Freq]	Power High Ch / [Freq]	Power Low Ch / [Freq]	Power High Ch / [Freq]	Turn-up time (dBm)	MFR (dB)
Channel									
Frequency (MHz)				39750	40185	40020	41005	41480	
20	QPSK	1	0	23.34	23.43	23.31	23.34	23.15	
20	QPSK	1	48	23.27	23.31	23.10	23.10	23.07	24
20	QPSK	1	96	23.13	23.37	23.30	23.11	23.09	
20	QPSK	50	0	22.28	22.30	22.19	22.30	22.28	
20	QPSK	50	24	22.16	22.31	22.63	22.14	22.10	23
20	QPSK	50	48	22.15	22.26	22.25	22.25	22.25	
20	QPSK	100	0	22.33	22.42	22.18	22.34	22.32	
20	16QAM	1	0	22.81	22.70	22.42	22.64	22.48	23
20	16QAM	1	48	22.86	22.81	22.59	22.59	22.59	
20	16QAM	1	96	22.47	22.81	22.46	22.57	22.44	
20	16QAM	50	24	21.18	21.30	21.11	21.16	21.10	22
20	16QAM	50	24	21.13	21.28	21.13	21.24	21.09	
20	16QAM	50	50	21.15	21.13	21.01	21.10	21.04	
20	16QAM	100	0	21.22	21.26	21.07	21.10	21.07	
20	64QAM	1	0	21.42	21.55	21.34	21.43	21.41	22
20	64QAM	1	48	21.40	21.47	21.33	21.43	21.38	
20	64QAM	1	96	21.32	21.40	21.28	21.31	21.43	
20	64QAM	50	0	20.27	20.29	20.10	20.10	20.09	21
20	64QAM	50	24	20.19	20.25	20.02	20.15	20.03	
20	64QAM	50	50	20.10	20.11	20.08	20.04	19.99	
20	64QAM	100	0	20.12	20.23	20.07	20.08	19.97	21
20	255QAM	1	0	18.48	18.46	18.31	18.37	18.33	
20	255QAM	1	48	18.39	18.45	18.31	18.35	18.34	19
20	255QAM	1	96	18.40	18.39	18.29	18.38	18.36	
20	255QAM	50	0	18.16	18.34	18.12	18.19	18.06	
20	255QAM	50	24	18.07	18.18	17.97	18.05	17.97	19
20	255QAM	50	50	18.15	18.20	18.09	18.04	18.02	
20	255QAM	100	0	18.20	18.15	18.01	18.10	18.04	
Channel									
Frequency (MHz)				39725	40173	40020	41008	41515	
15	QPSK	1	0	23.25	23.33	23.17	23.34	23.15	
15	QPSK	1	37	23.18	23.25	22.88	23.11	22.95	24
15	QPSK	1	74	23.08	23.24	22.90	22.88	22.87	
15	QPSK	50	0	22.27	22.29	22.18	22.29	22.27	
15	QPSK	50	24	22.03	22.23	21.80	22.20	22.00	23
15	QPSK	50	48	22.02	22.15	22.15	22.15	22.09	
15	QPSK	75	0	22.23	22.28	22.10	22.27	22.08	
15	16QAM	1	0	22.62	22.67	22.39	22.53	22.38	
15	16QAM	1	48	22.67	22.61	22.37	22.37	22.34	23
15	16QAM	1	96	22.28	22.51	22.24	22.24	22.22	
15	16QAM	1	74	22.38	22.58	22.42	22.50	22.31	
15	16QAM	50	0	21.10	21.27	21.05	21.06	21.10	
15	16QAM	50	24	21.08	21.14	21.01	21.03	21.02	22
15	16QAM	50	50	21.04	21.10	20.98	21.00	21.01	
15	16QAM	75	0	21.05	21.11	21.01	21.01	21.02	
15	64QAM	1	0	21.30	21.51	21.24	21.38	21.32	
15	64QAM	1	37	21.27	21.41	21.30	21.37	21.31	22
15	64QAM	1	74	21.33	21.51	21.32	21.37	21.31	
15	64QAM	50	0	20.20	20.21	20.03	20.04	19.95	
15	64QAM	50	24	20.12	20.16	19.95	20.07	19.94	21
15	64QAM	50	50	20.08	20.10	19.95	19.97	19.94	
15	64QAM	75	0	20.03	20.12	19.95	20.00	19.94	
15	255QAM	1	0	18.47	18.45	18.30	18.36	18.32	
15	255QAM	1	37	18.36	18.42	18.17	18.22	18.15	19
15	255QAM	1	74	18.34	18.30	18.16	18.21	18.23	
15	255QAM	50	0	18.02	18.26	17.95	18.00	17.85	
15	255QAM	50	24	17.98	18.16	17.89	18.00	17.95	19
15	255QAM	50	50	18.07	18.17	18.05	17.96	17.97	19
15	255QAM	100	0	18.12	18.11	18.01	18.01	18.01	
Channel									
Frequency (MHz)				39700	40160	40020	41080	41560	
10	QPSK	1	0	23.18	23.27	23.18	23.31	23.12	
10	QPSK	1	25	23.24	23.24	23.07	23.20	22.95	24
10	QPSK	1	49	23.17	23.27	23.10	23.17	22.91	
10	QPSK	25	0	22.17	22.29	22.13	22.25	22.14	
10	QPSK	25	12	22.08	22.24	21.86	22.12	22.02	23
10	QPSK	25	37	22.13	22.15	22.00	22.08	21.98	
10	QPSK	50	0	22.30	22.29	22.14	22.23	22.08	
10	16QAM	1	0	22.54	22.63	22.38	22.56	22.38	
10	16QAM	1	25	22.46	22.57	22.44	22.47	22.33	23
10	16QAM	1	49	22.34	22.49	22.32	22.47	22.38	
10	16QAM	25	0	21.08	21.18	21.06	21.11	21.05	
10	16QAM	25	12	21.02	21.20	21.04	21.20	21.04	22
10	16QAM	25	37	21.08	21.10	20.90	21.00	20.92	
10	64QAM	1	0	21.32	21.56	21.08	21.30	21.02	
10	64QAM	1	0	21.34	21.45	21.28	21.38	21.27	
10	64QAM	1	25	21.35	21.43	21.31	21.37	21.29	22
10	64QAM	1	49	21.30	21.38	21.24	21.31	21.25	
10	64QAM	25	0	20.15	20.18	20.02	20.07	20.04	
10	64QAM	25	12	20.11	20.14	19.95	20.07	20.00	21
10	64QAM	25	37	20.11	20.14	19.95	20.07	19.99	
10	64QAM	50	0	20.03	20.19	19.98	19.99	19.92	
10	64QAM	50	0	19.97	19.98	19.84	19.97	19.89	
10	255QAM	1	25	18.31	18.37	18.10	18.22	18.15	19
10	255QAM	1	49	18.38	18.35	18.26	18.30	18.26	
10	255QAM	25	0	18.13	18.25	17.95	18.00	17.85	
10	255QAM	25	12	17.95	18.10	17.83	18.00	17.90	19
10	255QAM	25	37	18.05	18.15	18.05	17.97	17.93	19
10	255QAM	50	0	18.15	18.06	18.13	18.01	18.01	
Channel									
Frequency (MHz)				39675	40145	40020	41050	41565	
5	QPSK	1	0	23.26	23.36	23.13	23.34	23.12	
5	QPSK	1	13	23.18	23.22	23.02	23.14	22.95	24
5	QPSK	1	24	23.09	23.23	23.04	23.11	22.91	
5	QPSK	12	0	22.21	22.26	22.11	22.20	22.18	
5	QPSK	12	7	22.13	22.25	21.88	22.08	22.02	23
5	QPSK	12	14	22.03	22.14	21.82	22.00	21.88	
5	QPSK	25	0	22.26	22.27	22.11	22.24	22.06	
5	16QAM	1	0	22.57	22.63	22.33	22.50	22.39	
5	16QAM	1	12	22.47	22.58	22.44	22.47	22.33	23
5	16QAM	1	24	22.39	22.57	22.40	22.48	22.32	
5	16QAM	12	0	21.06	21.16	21.00	21.10	21.02	
5	16QAM	12	7	21.06	21.19	21.06	21.18	21.03	22
5	16QAM	12	13	21.08	21.07	20.87	21.05	20.91	
5	64QAM	1	0	21.16	21.41	21.14	21.25	21.09	
5	64QAM	1	0	21.30	21.47	21.31	21.38	21.31	
5	64QAM	1	12	21.20	21.39	21.30	21.40	21.31	22
5	64QAM	1	24	21.29	21.31	21.13	21.21	21.38	
5	64QAM	12	0	20.25	20.24	19.97	20.10	20.03	
5	64QAM	12	7	20.09	20.12	19.96	20.13	20.06	
5	64QAM	12	13	20.09	20.14	19.95	20.07	19.98	21
5	64QAM	25	0	20.03	20.21	20.01	20.04	19.91	
5	64QAM	25	0	19.41	19.56	19.36	19.47	19.23	
5	255QAM	1	12	18.38	18.32	18.22	18.31	18.18	19
5	255QAM	1	24	18.29	18.34	18.18	18.22	18.26	
5	255QAM	12	0	18.15	18.25	18.01	18.04	17.81	
5	255QAM	12	7	17.94	18.15	17.89	17.97	17.85	19
5	255QAM	12	13	18.07	18.09	18.00	17.96	17.91	19



Band 38 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)	MFR (dB)	
Channel									
Frequency (MHz)				37965	38050	38160			
20	QPSK	1	0	22.57	22.63	22.63	24	0	
20	QPSK	1	48	22.44	22.46	22.39			
20	QPSK	50	0	22.56	22.67	22.67			
20	QPSK	50	24	21.41	21.53	21.39			
20	QPSK	50	48	21.71	21.67	21.66	23	1	
20	QPSK	100	0	21.52	21.65	21.56			
20	16QAM	1	0	21.80	21.87	21.78			
20	16QAM	1	48	21.71	21.78	21.68			
20	16QAM	1	96	21.74	21.84	21.76	23	1	
20	16QAM	50	0	20.47	20.50	20.38			
20	16QAM	50	24	20.35	20.51	20.37			
20	16QAM	50	50	20.28	20.42	20.34			
20	16QAM	100	0	20.44	20.49	20.50	22	2	
20	16QAM	100	0	20.55	20.57	20.57			
20	16QAM	100	0	20.56	20.57	20.57			
20	16QAM	1	48	20.56	20.71	20.76			
20	16QAM	1	96	20.52	20.68	20.70	22	2	
20	16QAM	50	0	19.48	19.53	19.44			
20	16QAM	50	24	19.34	19.48	19.35			
20	16QAM	50	50	19.41	19.53	19.35			
20	16QAM	100	0	19.35	19.45	19.27	21	3	
20	256QAM	1	0	17.87	17.85	17.70			
20	256QAM	1	48	17.77	17.79	17.68			
20	256QAM	1	96	17.65	17.58	17.62			
20	256QAM	50	0	17.42	17.44	17.47	19	5	
20	256QAM	50	24	17.38	17.33	17.32			
20	256QAM	50	50	17.35	17.44	17.32			
20	256QAM	100	0	17.45	17.46	17.46			
Channel				37925	38050	38175	Turn-up limit (dBm)	MFR (dB)	
Frequency (MHz)				37925	37975	38025			
15	QPSK	1	0	22.74	22.74	22.81	24	0	
15	QPSK	1	37	22.38	22.39	22.34			
15	QPSK	1	74	22.28	22.38	22.35			
15	QPSK	36	0	21.55	21.60	21.68			
15	QPSK	36	20	21.35	21.41	21.36	23	1	
15	QPSK	36	38	21.52	21.58	21.65			
15	QPSK	75	0	21.45	21.56	21.47			
15	16QAM	1	0	21.69	21.54	21.73			
15	16QAM	1	37	21.46	21.51	21.61	23	1	
15	16QAM	1	74	21.65	21.75	21.72			
15	16QAM	36	0	20.40	20.42	20.27			
15	16QAM	36	20	20.32	20.40	20.32			
15	16QAM	36	38	20.26	20.33	20.31	22	2	
15	16QAM	75	0	20.44	20.40	20.27			
15	16QAM	75	0	19.38	19.50	19.36			
15	16QAM	1	37	20.54	20.59	20.69			
15	16QAM	1	74	20.51	20.62	20.68	22	2	
15	16QAM	36	0	19.38	19.50	19.36			
15	16QAM	36	20	19.29	19.49	19.35			
15	16QAM	36	38	19.46	19.51	19.46			
15	16QAM	75	0	19.51	19.57	19.55	21	3	
15	256QAM	1	0	17.57	17.61	17.66			
15	256QAM	1	37	17.57	17.59	17.57			
15	256QAM	1	74	17.57	17.49	17.50			
15	256QAM	36	0	17.38	17.38	17.25	19	5	
15	256QAM	36	20	17.42	17.42	17.27			
15	256QAM	36	38	17.34	17.36	17.23			
15	256QAM	75	0	17.40	17.41	17.28			
Channel									
Frequency (MHz)				37965	38050	38090	Turn-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	22.61	22.61	22.61	24	0	
10	QPSK	1	25	22.28	22.34	22.34			
10	QPSK	1	48	22.30	22.45	22.28			
10	QPSK	25	0	21.62	21.64	21.62			
10	QPSK	25	12	21.32	21.44	21.37	23	1	
10	QPSK	25	25	21.30	21.29	21.32			
10	QPSK	50	0	21.66	21.67	21.67			
10	HQAM	1	0	21.78	21.67	21.95			
10	HQAM	1	25	21.61	21.80	21.65	23	1	
10	HQAM	1	48	21.71	21.79	21.73			
10	HQAM	25	0	20.46	20.49	20.34			
10	HQAM	25	0	20.38	20.44	20.35			
10	HQAM	25	25	20.18	20.33	20.18	22	2	
10	HQAM	50	0	20.41	20.45	20.34			
10	HQAM	50	0	20.45	20.52	20.50			
10	HQAM	50	25	20.18	20.33	20.18			
10	HQAM	50	0	20.41	20.45	20.34	22	2	
10	HQAM	50	25	20.18	20.33	20.18			
10	HQAM	100	0	20.52	20.74	20.66			
10	HQAM	1	48	20.56	20.62	20.62			
10	HQAM	25	0	19.44	19.43	19.30	21	3	
10	HQAM	25	12	19.27	19.40	19.29			
10	HQAM	25	25	19.32	19.26	19.35			
10	HQAM	50	0	19.31	19.34	19.20			
10	256QAM	1	0	17.64	17.59	17.64	19	5	
10	256QAM	1	25	17.53	17.64	17.39			
10	256QAM	1	48	17.55	17.59	17.55			
10	256QAM	25	0	17.31	17.36	17.25			
10	256QAM	25	12	17.35	17.31	17.36	19	5	
10	256QAM	25	25	17.31	17.42	17.23			
10	256QAM	50	0	17.40	17.35	17.33			
Channel									
Frequency (MHz)				37975	38060	38225	Turn-up limit (dBm)	MFR (dB)	
5	QPSK	1	0	22.65	22.65	22.67	24	0	
5	QPSK	1	12	22.60	22.36	22.60			
5	QPSK	1	24	22.28	22.49	22.39			
5	QPSK	12	0	21.45	21.66	21.67			
5	QPSK	12	7	21.34	21.49	21.30	23	1	
5	QPSK	12	13	21.31	21.29	21.30			
5	QPSK	25	0	21.46	21.58	21.46			
5	HQAM	1	0	21.75	21.63	21.76			
5	HQAM	1	12	21.59	21.86	21.62	23	1	
5	HQAM	1	24	21.64	21.83	21.76			
5	HQAM	12	0	20.45	20.47	20.38			
5	HQAM	12	7	20.28	20.44	20.34			
5	HQAM	12	13	20.26	20.41	20.35	22	2	
5	HQAM	25	0	20.38	20.47	20.25			
5	HQAM	25	0	20.60	20.61	20.77			
5	HQAM	25	13	20.50	20.67	20.76			
5	HQAM	1	24	20.56	20.66	20.64	22	2	
5	HQAM	12	0	19.44	19.42	19.34			
5	HQAM	12	7	19.28	19.38	19.31			
5	HQAM	12	13	19.41	19.52	19.24			
5	HQAM	25	0	19.35	19.43	19.18	21	3	
5	256QAM	1	0	17.58	17.55	17.65			
5	256QAM	1	12	17.53	17.63	17.47			
5	256QAM	1	24	17.54	17.53	17.60			
5	256QAM	12	0	17.37	17.33	17.28	19	5	
5	256QAM	12	7	17.38	17.32	17.23			
5	256QAM	12	13	17.37	17.38	17.29			
5	256QAM	25	0	17.37	17.42	17.37			

Band 41 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel										
Frequency (MHz)				39750	40185	40620	41055	41490		
20	QPSK	1	0	22.68	22.69	22.63	22.72	22.58		
20	QPSK	1	48	22.57	22.45	22.63	22.60	22.44		
20	QPSK	50	0	22.50	22.40	22.55	22.63	22.49		0
20	QPSK	50	24	21.60	21.56	21.72	21.66	21.44		
20	QPSK	100	0	21.82	21.80	21.82	21.86	21.80		23
20	QPSK	100	0	21.71	21.63	21.81	21.86	21.44		1
20	16QAM	1	0	21.93	21.91	22.06	22.00	21.88		
20	16QAM	1	48	21.82	21.80	21.96	21.90	21.82		23
20	16QAM	1	56	21.97	21.82	22.10	21.95	21.80		
20	16QAM	50	0	20.82	20.86	20.71	20.55	20.20		
20	16QAM	50	24	20.83	20.80	20.65	20.50	20.41		22
20	16QAM	50	20	20.50	20.50	20.57	20.53	20.51		
20	16QAM	100	0	20.53	20.57	20.56	20.50	20.47		
20	16QAM	100	0	20.38	20.47	20.46	20.39	20.34		
20	16QAM	1	48	20.84	20.72	20.66	20.86	20.75		22
20	16QAM	1	56	20.78	20.76	20.82	20.83	20.72		
20	64QAM	50	0	19.58	19.65	19.71	19.54	19.46		
20	64QAM	50	24	19.47	19.55	19.67	19.42	19.38		21
20	64QAM	50	20	19.48	19.52	19.60	19.49	19.44		
20	64QAM	100	0	19.48	19.47	19.66	19.46	19.41		
20	64QAM	1	0	17.71	17.81	17.86	17.81	17.71		
20	256QAM	1	0	17.74	17.79	17.77	17.72	17.67		
20	256QAM	1	56	17.63	17.77	17.77	17.80	17.70		
20	256QAM	1	56	17.53	17.64	17.61	17.58	17.47		
20	256QAM	50	24	17.48	17.55	17.51	17.33	17.30		19
20	256QAM	50	20	17.47	17.54	17.55	17.58	17.47		
20	256QAM	100	0	17.58	17.66	17.67	17.67	17.49		
Channel										
Frequency (MHz)				39720	40173	40620	41058	41515	Turn-up limit (dBm)	MFR (dB)
15	QPSK	1	0	22.60	22.67	22.63	22.74	22.49		
15	QPSK	1	37	22.45	22.48	22.59	22.55	22.35		24
15	QPSK	1	76	22.48	22.47	22.51	22.43	22.31		
15	QPSK	36	0	21.15	21.16	21.18	21.16	21.05		
15	QPSK	36	20	21.53	21.53	21.68	21.42	21.33		23
15	QPSK	36	20	21.63	21.63	21.68	21.42	21.38		
15	QPSK	75	0	21.68	21.61	21.77	21.65	21.49		
15	16QAM	1	0	21.97	21.83	21.96	21.89	21.83		
15	16QAM	1	37	21.80	21.88	21.87	21.79	21.74		23
15	16QAM	1	74	21.92	21.89	22.00	21.91	21.74		
15	16QAM	36	0	20.51	20.49	20.58	20.42	20.44		
15	16QAM	36	20	20.30	20.32	20.40	20.28	20.38		22
15	16QAM	36	36	20.44	20.40	20.55	20.50	20.45		
15	16QAM	75	0	20.51	20.49	20.58	20.42	20.36		
15	64QAM	1	0	20.84	20.78	20.89	20.85	20.80		
15	64QAM	1	37	20.78	20.86	20.76	20.70	20.68		22
15	64QAM	1	74	20.75	20.73	20.82	20.73	20.69		
15	64QAM	36	0	19.47	19.52	19.60	19.52	19.38		19
15	64QAM	36	20	19.38	19.50	19.47	19.29	19.34		21
15	64QAM	36	36	19.52	19.48	19.63	19.58	19.49		
15	64QAM	75	0	19.41	19.44	19.54	19.45	19.35		
15	256QAM	1	0	17.66	17.72	17.72	17.66	17.57		
15	256QAM	1	37	17.71	17.72	17.62	17.60	17.52		19
15	256QAM	1	74	17.51	17.72	17.74	17.78	17.68		
15	256QAM	36	0	17.46	17.53	17.45	17.46	17.36		
15	256QAM	36	20	17.41	17.53	17.45	17.34	17.31		19
15	256QAM	36	36	17.34	17.47	17.48	17.42	17.34		
15	256QAM	75	0	17.46	17.47	17.37	17.47	17.34		
Channel										
Frequency (MHz)				39700	40160	40620	41058	41540	Turn-up limit (dBm)	MFR (dB)
10	QPSK	1	0	22.61	22.61	22.61	22.68	22.46		
10	QPSK	1	25	22.49	22.52	22.52	22.50	22.41		24
10	QPSK	1	49	22.49	22.44	22.52	22.50	22.41		
10	QPSK	25	0	21.67	21.63	21.74	21.63	21.55		
10	QPSK	25	12	21.47	21.44	21.67	21.61	21.39		23
10	QPSK	25	12	21.48	21.47	21.67	21.67	21.41		
10	QPSK	50	0	21.62	21.58	21.71	21.65	21.54		
10	16QAM	1	0	21.83	21.86	21.88	21.82	21.80		
10	16QAM	1	25	21.84	21.87	21.84	21.86	21.69		
10	16QAM	1	49	21.84	21.74	22.04	21.90	21.70		
10	16QAM	25	0	20.59	20.56	20.64	20.44	20.37		
10	16QAM	25	12	20.52	20.48	20.57	20.44	20.37		
10	16QAM	25	12	20.47	20.42	20.53	20.48	20.42		
10	64QAM	1	0	20.87	20.80	20.90	20.83	20.87		
10	64QAM	1	0	20.80	20.76	20.84	20.86	20.80		
10	64QAM	1	25	20.73	20.67	20.75	20.73	20.72		22
10	64QAM	1	49	20.75	20.72	20.82	20.75	20.70		
10	64QAM	25	0	19.52	19.55	19.57	19.47	19.41		
10	64QAM	25	12	19.43	19.42	19.44	19.37	19.27		21
10	64QAM	25	12	19.48	19.53	19.48	19.41	19.38		
10	64QAM	50	0	19.40	19.45	19.61	19.35	19.32		
10	256QAM	1	0	17.57	17.70	17.63	17.68	17.68		
10	256QAM	1	25	17.68	17.76	17.67	17.60	17.51		
10	256QAM	1	49	17.59	17.65	17.74	17.77	17.68		
10	256QAM	25	0	17.42	17.48	17.47	17.42	17.37		19
10	256QAM	25	12	17.36	17.43	17.38	17.37	17.18		
10	256QAM	25	12	17.47	17.41	17.47	17.38	17.23		
10	256QAM	50	0	17.43	17.49	17.49	17.49	17.41		
Channel										
Frequency (MHz)				39675	40148	40620	41058	41565	Turn-up limit (dBm)	MFR (dB)
5	QPSK	1	0	22.66	22.66	22.71	22.76	22.46		
5	QPSK	1	12	22.48	22.56	22.57	22.48	22.33		24
5	QPSK	1	25	22.42	22.37	22.57	22.47	22.31		
5	QPSK	12	0	21.61	21.57	21.79	21.65	21.63		
5	QPSK	12	7	21.56	21.43	21.59	21.52	21.42		23
5	16QAM	1	0	21.82	21.48	21.84	21.81	21.41		
5	16QAM	1	25	21.58	21.54	21.69	21.54	21.49		
5	16QAM	1	0	21.80	21.84	21.86	21.88	21.71		
5	16QAM	12	0	21.82	21.81	21.84	21.84	21.71		
5	16QAM	1	24	21.86	21.89	22.08	21.86	21.72		
5	16QAM	12	7	21.85	21.82	22.00	21.82	21.65		
5	16QAM	12	7	20.62	20.46	20.62	20.41	20.37		22
5	16QAM	12	13	20.47	20.37	20.46	20.31	20.39		
5	64QAM	1	0	20.68	20.56	20.68	20.60	20.44		22
5	64QAM	1	0	20.79	20.82	20.83	20.83	20.79		
5	64QAM	1	12	20.70	20.69	20.82	20.80	20.70		
5	64QAM	1	24	20.69	20.70	20.84	20.79	20.63		
5	64QAM	12	0	19.56	19.59	19.62	19.44	19.42		
5	64QAM	12	7	19.30	19.30	19.48	19.35	19.35		21
5	64QAM	12	13	19.48	19.49	19.43	19.41	19.38		
5	64QAM	25	0	19.43	19.44	19.57	19.38	19.29		
5	256QAM	1	0	17.58	17.70	17.63	17.67	17.61		
5	256QAM	1	12	17.67	17.69	17.61	17.65	17.46		
5	256QAM	1	24	17.55	17.68	17.71	17.73	17.68		
5	256QAM	12	0	17.44	17.42	17.42	17.37	17.31		
5	256QAM	12	7	17.43	17.49	17.41	17.31	17.26		
5	256QAM	12	13	17.46	17.40	17.46	17.40	17.23		
5	256QAM	25	0	17.43	17.50	17.49	17.46	17.40		



Band 38 Ant 10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)		
Channel											
Frequency (MHz)											
20	QPSK	1	0	22.75	22.75	22.75	22.75	24	0		
20	QPSK	1	48	22.81	22.86	22.84	22.84				
20	QPSK	50	0	21.71	21.79	21.77	21.77	23	1		
20	QPSK	50	24	21.54	21.71	21.54	21.54				
20	HQAM	1	48	21.34	21.59	21.65	21.65	23	1		
20	HQAM	100	0	21.70	21.85	21.66	21.66				
20	HQAM	1	0	21.94	22.06	22.07	22.07	22	2		
20	HQAM	50	24	20.57	20.76	20.57	20.57				
20	HQAM	100	0	20.56	20.67	20.56	20.56	22	2		
20	HQAM	50	0	20.56	20.67	20.56	20.56				
20	HQAM	50	50	20.47	20.58	20.50	20.50	21	3		
20	HQAM	50	0	19.54	19.54	19.53	19.53				
20	HQAM	50	24	19.51	19.57	19.51	19.51	21	3		
20	HQAM	50	50	19.57	19.57	19.45	19.45				
20	HQAM	100	0	19.58	19.59	19.47	19.47	19	5		
20	256QAM	1	0	17.75	17.84	17.89	17.89				
20	256QAM	1	48	17.77	17.86	17.74	17.74	19	5		
20	256QAM	1	96	17.79	17.77	17.85	17.85				
20	256QAM	50	0	17.57	17.62	17.52	17.52	19	5		
20	256QAM	50	24	17.50	17.57	17.37	17.37				
20	256QAM	50	50	17.57	17.59	17.42	17.42	19	5		
20	256QAM	100	0	17.57	17.59	17.42	17.42				
20	256QAM	100	0	17.52	17.53	17.42	17.42				
Channel											
Frequency (MHz)											
15	QPSK	1	0	22.72	22.75	22.72	22.72	24	0		
15	QPSK	1	37	22.89	22.81	22.43	22.43				
15	QPSK	1	74	22.36	22.86	22.46	22.46	23	1		
15	QPSK	36	0	21.61	21.69	21.61	21.61				
15	QPSK	36	20	21.43	21.69	21.45	21.45	23	1		
15	QPSK	75	0	21.62	21.77	21.65	21.65				
15	HQAM	1	0	21.94	22.05	21.94	21.94	23	1		
15	HQAM	1	37	21.91	21.99	21.92	21.92				
15	HQAM	1	74	21.91	21.98	21.84	21.84	22	2		
15	HQAM	36	0	20.58	20.71	20.46	20.46				
15	HQAM	36	20	20.53	20.56	20.50	20.50	22	2		
15	HQAM	36	36	20.37	20.52	20.40	20.40				
15	HQAM	75	0	20.57	20.56	20.50	20.50	22	2		
15	HQAM	75	0	20.50	20.56	20.50	20.50				
15	HQAM	1	37	20.59	20.54	20.51	20.51	22	2		
15	HQAM	1	74	20.51	20.54	20.51	20.51				
15	HQAM	36	0	19.54	19.59	19.53	19.53	21	3		
15	HQAM	36	20	19.50	19.54	19.41	19.41				
15	HQAM	75	0	19.54	19.57	19.44	19.44	19	5		
15	256QAM	1	0	17.69	17.62	17.63	17.63				
15	256QAM	1	37	17.72	17.76	17.77	17.77	19	5		
15	256QAM	1	74	17.72	17.76	17.77	17.77				
15	256QAM	36	0	17.55	17.51	17.52	17.52	19	5		
15	256QAM	36	20	17.44	17.54	17.36	17.36				
15	256QAM	36	36	17.49	17.52	17.37	17.37	19	5		
15	256QAM	75	0	17.56	17.52	17.50	17.50				
Channel											
Frequency (MHz)											
10	QPSK	1	0	22.71	22.75	22.71	22.71	24	0		
10	QPSK	1	25	22.59	22.61	22.42	22.42				
10	QPSK	1	48	22.38	22.60	22.47	22.47	23	1		
10	QPSK	25	0	21.69	21.74	21.68	21.68				
10	QPSK	25	12	21.52	21.66	21.43	21.43	23	1		
10	QPSK	25	25	21.60	21.58	21.56	21.56				
10	HQAM	1	0	21.82	22.05	21.87	21.87	23	1		
10	HQAM	1	25	21.93	21.83	21.88	21.88				
10	HQAM	1	48	21.87	21.92	21.84	21.84	22	2		
10	HQAM	25	0	20.51	20.67	20.50	20.50				
10	HQAM	25	0	20.50	20.52	20.46	20.46	22	2		
10	HQAM	25	0	20.50	20.58	20.44	20.44				
10	HQAM	50	0	20.46	20.58	20.43	20.43	22	2		
10	HQAM	50	0	20.42	20.54	20.46	20.46				
10	HQAM	1	25	20.72	20.51	20.80	20.80	22	2		
10	HQAM	1	48	20.72	20.79	20.76	20.76				
10	HQAM	25	0	19.56	19.63	19.52	19.52	21	3		
10	HQAM	25	12	19.46	19.65	19.40	19.40				
10	HQAM	25	25	19.47	19.49	19.45	19.45	21	3		
10	HQAM	50	0	19.58	19.51	19.59	19.59				
10	256QAM	1	0	17.66	17.79	17.76	17.76	19	5		
10	256QAM	1	25	17.75	17.76	17.75	17.75				
10	256QAM	25	0	17.48	17.51	17.41	17.41	19	5		
10	256QAM	25	12	17.46	17.54	17.28	17.28				
10	256QAM	25	25	17.48	17.56	17.32	17.32	19	5		
10	256QAM	50	0	17.61	17.63	17.42	17.42				
Channel											
Frequency (MHz)											
5	QPSK	1	0	22.54	22.73	22.62	22.62	24	0		
5	QPSK	1	12	22.50	22.58	22.53	22.53				
5	QPSK	1	24	22.34	22.59	22.39	22.39	23	1		
5	QPSK	12	0	21.68	21.68	21.71	21.71				
5	QPSK	12	7	21.52	21.66	21.52	21.52	23	1		
5	QPSK	12	13	21.56	21.61	21.55	21.55				
5	HQAM	1	0	21.82	21.97	22.01	22.01	23	1		
5	HQAM	1	12	21.88	21.88	21.83	21.83				
5	HQAM	1	24	21.85	22.01	21.82	21.82	22	2		
5	HQAM	12	0	20.60	20.76	20.54	20.54				
5	HQAM	12	7	20.49	20.57	20.50	20.50	22	2		
5	HQAM	12	13	20.45	20.48	20.47	20.47				
5	HQAM	25	0	20.55	20.58	20.46	20.46	22	2		
5	HQAM	25	0	20.76	20.85	20.79	20.79				
5	HQAM	12	0	20.69	20.82	20.86	20.86	22	2		
5	HQAM	12	7	20.67	20.82	20.87	20.87				
5	HQAM	12	0	19.56	19.53	19.43	19.43	21	3		
5	HQAM	12	7	19.45	19.55	19.45	19.45				
5	HQAM	12	13	19.49	19.54	19.45	19.45	19	5		
5	HQAM	25	0	17.67	17.74	17.65	17.65				
5	256QAM	1	0	17.67	17.74	17.65	17.65	19	5		
5	256QAM	1	12	17.76	17.77	17.69	17.69				
5	256QAM	1	24	17.73	17.76	17.61	17.61	19	5		
5	256QAM	12	0	17.36	17.36	17.47	17.47				
5	256QAM	12	7	17.48	17.56	17.35	17.35	19	5		
5	256QAM	12	13	17.51	17.53	17.37	17.37				
5	256QAM	25	0	17.52	17.55	17.51	17.51	19	5		
5	256QAM	25	0	17.52	17.55	17.51	17.51				

Band 41 Ant 10											
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel											
Frequency (MHz)											
20	QPSK	1	0	23.24	23.29	23.21	23.24	23.14	23.14	24	0
20	QPSK	1	48	23.19	23.14	23.05	23.13	23.06			
20	QPSK	50	0	23.17	23.02	22.97	23.04	23.00	23.00	23	1
20	QPSK	50	24	22.36	22.09	22.61	22.14	22.07			
20	QPSK	50	50	22.35	22.05	22.62	22.18	22.08			
20	QPSK	100	0	22.34	22.21	22.15	22.23	22.13			
20	16QAM	1	0	22.81	22.50	22.40	22.48	22.40			
20	16QAM	50	0	22.84	22.42	22.42	22.42	22.36			
20	16QAM	1	56	22.83	22.46	22.35	22.40	22.38			
20	16QAM	50	0	22.25	22.13	21.13	21.20	21.20			
20	16QAM	50	24	21.52	21.13	21.13	21.20	21.01			
20	16QAM	50	50	21.14	21.08	20.89	20.97	21.03			
20	16QAM	100	0	21.12	21.13	21.01	21.08	21.01			
20	16QAM	100	0	21.52	21.02	21.42	21.42	21.44			
20	64QAM	1	49	21.47	21.40	21.30	21.40	21.31			
20	64QAM	50	0	21.38	21.37	21.21	21.30	21.21			
20	64QAM	50	50	21.03	20.98	20.89	20.98	20.90			
20	64QAM	100	0	21.03	20.98	20.89	20.98	20.90			
20	64QAM	50	24	21.02	21.04	19.95	19.99	19.88			
20	64QAM	50	50	20.93	20.93	19.84	19.87	19.89			
20	64QAM	100	0	20.94	20.92	19.97	20.00	19.89			
20	256QAM	1	0	18.42	18.40	18.21	18.31	18.27			
20	256QAM	50	0	18.38	18.38	18.21	18.31	18.29			
20	256QAM	50	24	18.37	18.37	18.28	18.23	18.19			
20	256QAM	50	50	18.29	18.29	18.02	18.04	17.97			
20	256QAM	100	0	18.14	17.91	18.01	17.98	17.85			
20	256QAM	50	50	18.05	17.99	17.97	18.04	17.91			
Channel											
Frequency (MHz)											
15	QPSK	1	0	23.28	23.27	23.14	23.17	23.01	23.01	24	0
15	QPSK	1	37	23.03	23.09	23.01	23.01	22.88	22.84		
15	QPSK	1	74	23.12	22.97	22.86	22.96	22.86	22.86		
15	QPSK	50	0	22.28	22.28	22.17	22.17	22.00	22.00		
15	QPSK	50	24	22.15	22.03	21.89	22.03	22.03			
15	QPSK	50	50	22.03	21.97	21.88	21.97	21.88			
15	QPSK	75	0	22.22	22.07	22.00	22.20	22.00			
15	16QAM	1	0	22.58	22.44	22.32	22.44	22.42			
15	16QAM	50	0	22.51	22.37	22.26	22.37	22.32			
15	16QAM	1	74	22.58	22.36	22.22	22.42	22.27			
15	16QAM	50	0	21.23	21.09	20.99	21.16	21.00			
15	16QAM	50	24	21.13	21.08	20.90	21.06	20.90			
15	16QAM	50	50	21.03	20.97	20.80	20.92	21.00			
15	256QAM	1	0	18.29	18.27	18.09	18.20	18.09			
15	256QAM	50	0	17.47	17.31	17.31	17.32	17.18			
15	64QAM	1	37	21.38	21.27	21.06	21.37	21.21			
15	64QAM	1	74	21.35	21.21	21.06	21.31	21.20			
15	64QAM	50	0	20.20	20.04	19.99	20.00	20.01			
15	64QAM	50	24	20.06	19.92	19.83	19.91	19.86			
15	64QAM	50	50	19.11	19.04	18.97	19.04	18.97			
15	64QAM	75	0	20.02	19.88	19.67	20.00	19.81			
15	256QAM	1	0	18.29	18.27	18.09	18.20	18.09			
15	256QAM	50	0	18.24	18.24	18.11	18.22	18.05			
15	256QAM	50	24	18.28	18.30	18.24	18.15	18.15			
15	256QAM	50	50	18.02	18.02	17.85	18.02	17.85			
15	256QAM	36	20	18.07	17.81	17.90	17.91	17.79			
15	256QAM	36	50	18.00	17.93	17.89	17.94	17.87			
15	256QAM	50	50	18.02	17.97	17.89	18.00	17.80			
Channel											
Frequency (MHz)											
10	QPSK	1	0	23.30	23.29	23.16	23.19	23.04	23.04	24	0
10	QPSK	1	25	23.10	23.10	22.95	23.11	22.93			
10	QPSK	50	0	22.57	22.57	22.46	22.57	22.47			
10	QPSK	25	0	22.30	22.19	22.03	22.11	21.44			
10	QPSK	25	12	22.02	22.00	21.82	22.04	21.86			
10	QPSK	50	0	22.04	22.04	21.87	22.04	21.83			
10	QPSK	50	50	22.28	22.08	22.11	22.16	22.02			
10	16QAM	1	0	22.53	22.40	22.37	22.41	22.36			
10	16QAM	50	0	22.49	22.38	22.31	22.41	22.29			
10	16QAM	1	49	22.50	22.41	22.30	22.44	22.29			
10	16QAM	25	0	21.20	21.02	20.99	21.16	20.92			
10	16QAM	25	12	21.11	21.05	20.88	21.06	20.88			
10	16QAM	25	25	21.03	21.05	20.76	20.88	20.79			
10	64QAM	1	0	21.04	21.04	20.87	21.04	21.02			
10	64QAM	1	50	21.43	21.31	21.28	21.35	21.21			
10	64QAM	1	25	21.35	21.26	21.07	21.31	21.21			
10	64QAM	1	49	21.44	21.34	21.04	21.41	21.24			
10	64QAM	25	0	20.19	20.04	20.03	19.95	20.02			
10	64QAM	25	12	20.06	19.94	19.87	19.99	19.84			
10	64QAM	25	25	19.98	19.97	19.80	19.97	19.78			
10	64QAM	50	0	20.10	19.98	19.83	20.00	19.81			
10	256QAM	1	0	18.20	18.19	18.01	18.19	18.03			
10	256QAM	1	26	18.20	18.22	18.08	18.15	18.11			
10	256QAM	1	49	18.18	18.24	18.20	18.13	18.22			
10	256QAM	25	0	18.04	18.04	17.87	18.04	17.87			
10	256QAM	25	12	18.04	17.87	17.93	17.86	17.82			
10	256QAM	25	25	17.98	17.88	17.84	17.96	17.87			
10	256QAM	50	0	18.05	18.04	17.86	18.05	17.86			
Channel											
Frequency (MHz)											
5	QPSK	1	0	23.30	23.29	23.16	23.19	23.04	23.04	24	0
5	QPSK	1	12	23.02	23.03	22.87	23.03	22.85	22.84		
5	QPSK	1	24	23.14	23.14	22.99	23.14	22.97			
5	QPSK	12	0	22.38	22.24	22.07	22.12	22.14			
5	QPSK	12	7	22.17	21.98	21.89	22.07	21.88			
5	QPSK	25	0	22.32	22.07	22.04	22.12	22.06			
5	16QAM	1	0	22.59	22.59	22.46	22.58	22.41			
5	16QAM	1	12	22.58	22.48	22.31	22.58	22.39			
5	16QAM	1	24	22.60	22.33	22.24	22.43	22.26			
5	16QAM	12	0	21.17	21.07	20.85	21.17	20.97			
5	16QAM	12	7	21.13	21.07	20.85	21.07	20.91			
5	16QAM	12	13	21.03	20.95	20.85	20.96	20.80			
5	64QAM	1	0	21.03	21.02	20.82	21.03	20.86			
5	64QAM	1	50	21.46	21.37	21.30	21.37	21.36			
5	64QAM	1	12	21.45	21.32	21.16	21.33	21.28			
5	64QAM	1	24	21.39	21.34	21.10	21.39	21.30			
5	64QAM	12	0	20.20	19.98	20.05	20.02	19.96			
5	64QAM	12	7	20.09	19.93	19.99	19.91	19.76			
5	64QAM	12	13	19.97	19.90	19.80	19.91	19.78			
5	64QAM	25	0	20.04	19.93	19.85	19.99	19.85			
5	256QAM	1	0	18.27	18.27	18.09	18.27	18.10			
5	256QAM	12	7	18.08	17.84	17.98	17.87	17.83			
5	256QAM	12	13	18.02	17.86	17.85	17.87	17.80			
5	256QAM	12	19	18.02	17.87	17.85	17.89	17.81			

Band 2 Ant 0											
SW Band	Modulation	RB Size	RB Offset	Power Ch1/Freq	Power Ch2/Freq	Power Ch3/Freq	Time-slot (ms)	MPSR (dB)			
Channel											
Frequency (MHz)											
20	QPSK	1	0	18.13	18.27	18.26					
20	QPSK	1	46	18.25	18.15	18.16					
20	QPSK	50	18	18.18	18.22	18.21					
20	QPSK	50	18	18.10	18.18	18.12					
20	QPSK	50	50	18.16	18.03	18.07			10.1	0	
20	QPSK	50	50	18.08	18.06	18.05					
20	QPSK	100	0	17.84	18.07	17.89					
20	QPSK	100	46	17.92	17.82	17.83					
20	16QAM	1	46	18.12	18.02	17.99			10.1	0	
20	16QAM	1	50	17.82	17.64	17.67					
20	16QAM	50	18	17.92	17.82	17.81					
20	16QAM	50	24	17.82	17.70	17.76			10.1	0	
20	16QAM	50	50	17.83	17.66	17.63					
20	16QAM	100	0	17.80	17.75	17.74			10.1	0	
20	16QAM	1	46	17.82	17.72	17.64					
20	16QAM	50	0	17.80	17.75	17.76					
20	16QAM	50	0	17.80	17.77	17.87					
20	16QAM	50	24	17.80	17.67	17.63			10.1	0	
20	16QAM	50	24	17.75	17.67	17.63					
20	16QAM	100	0	17.83	17.69	17.64					
20	28QAM	1	0	17.65	17.68	17.65					
20	28QAM	46	18	17.57	17.57	17.59			19	0.1	
20	28QAM	1	90	17.62	17.62	17.62					
20	28QAM	50	0	17.60	17.63	17.59					
20	28QAM	50	0	17.62	17.63	17.63					
20	28QAM	50	24	17.62	17.63	17.63					
20	28QAM	50	50	17.60	17.69	17.64					
20	28QAM	100	0	17.62	17.67	17.67					
Channel											
Frequency (MHz)											
15	QPSK	1	0	18.67	18.65	18.62					
15	QPSK	1	0	18.60	18.21	18.20					
15	QPSK	1	11	18.03	18.18	18.19			10.1	0	
15	QPSK	1	74	18.08	18.14	18.20					
15	QPSK	36	0	17.87	18.11	18.09					
15	QPSK	36	0	17.89	18.09	18.08					
15	QPSK	36	36	18.09	17.98	18.02			10.1	0	
15	QPSK	75	0	17.78	18.02	17.85					
15	16QAM	1	37	17.75	17.80	17.85			10.1	0	
15	16QAM	1	74	17.71	17.86	17.73					
15	16QAM	36	0	17.86	17.68	17.69					
15	16QAM	36	20	17.76	17.70	17.77					
15	16QAM	75	0	17.68	17.73	17.72					
15	16QAM	75	0	17.68	17.70	17.71					
15	16QAM	1	74	17.71	17.59	17.62			10.1	0	
15	16QAM	36	0	17.73	17.67	17.76					
15	16QAM	36	20	17.73	17.62	17.73					
15	16QAM	36	50	17.76	17.65	17.73			10.1	0	
15	16QAM	75	0	17.71	17.63	17.68					
15	16QAM	75	0	17.71	17.62	17.62					
15	28QAM	1	37	17.60	17.60	17.62			19	0.1	
15	28QAM	1	74	17.53	17.67	17.58					
15	28QAM	36	0	17.62	17.62	17.62					
15	28QAM	36	20	17.57	17.61	17.61			19	0.1	
15	28QAM	36	20	17.57	17.61	17.61					
15	28QAM	36	50	17.54	17.54	17.60					
15	28QAM	75	0	17.57	17.57	17.57					
Channel											
Frequency (MHz)											
5	QPSK	1	0	18.54	18.20	18.19					
5	QPSK	1	25	18.14	18.13	18.13			10.1	0	
5	QPSK	1	46	18.10	18.13	18.13					
5	QPSK	25	12	18.11	18.17	18.09			10.1	0	
5	QPSK	25	25	18.11	17.94	17.93					
5	QPSK	50	12	17.75	17.82	17.78					
5	16QAM	1	0	17.62	17.68	17.64					
5	16QAM	1	25	17.60	17.66	17.61			10.1	0	
5	16QAM	50	12	17.69	17.66	17.73					
5	16QAM	50	25	17.68	17.64	17.65			10.1	0	
5	16QAM	50	0	17.70	17.63	17.73					
5	16QAM	1	0	17.91	17.68	17.66					
5	16QAM	1	25	17.62	17.64	17.65			10.1	0	
5	16QAM	1	46	17.60	17.59	17.77					
5	16QAM	25	12	17.64	17.62	17.63					
5	16QAM	25	12	17.63	17.68	17.65					
5	16QAM	25	25	17.77	17.68	17.76					
5	16QAM	50	0	17.68	17.66	17.66					
5	28QAM	1	0	17.52	17.62	17.53			19		
5	28QAM	1	25	17.42	17.64	17.53					
5	28QAM	25	12	17.53	17.58	17.58					
5	28QAM	25	0	17.50	17.61	17.46					
5	28QAM	25	12	17.40	17.41	17.41			19	0.1	
5	28QAM	50	0	17.56	17.57	17.47					
5	28QAM	50	0	17.48	17.54	17.44					
Channel											
Frequency (MHz)											
15	QPSK	1	0	18.62	18.99	19.175			Time-slot (ms)	MPSR (dB)	
5	QPSK	1	0	18.08	18.29	18.11					
5	QPSK	1	12	18.17	18.24	18.26			10.1	0	
5	QPSK	13	0	18.13	18.14	18.14					
5	QPSK	13	0	17.95	18.07	18.07					
5	QPSK	12	7	18.11	17.93	18.03			10.1	0	
5	QPSK	12	12	17.93	17.93	17.93					
5	QPSK	25	0	17.68	17.69	17.74					
5	16QAM	1	0	17.94	17.84	17.85			10.1	0	
5	16QAM	12	0	17.62	17.62	17.62					
5	16QAM	12	13	17.84	17.69	17.68					
5	16QAM	12	13	17.71	17.62	17.73					
5	16QAM	25	0	17.62	17.76	17.66					
5	16QAM	1	12	17.70	17.68	17.69					
5	16QAM	12	7	17.60	17.63	17.69			10.1	0	
5	16QAM	12	13	17.70	17.72	17.63					
5	28QAM	1	0	17.60	17.58	17.54					
5	28QAM	1	12	17.42	17.52	17.43			19	0.1	
5	28QAM	1	24	17.55	17.51	17.51					
5	28QAM	12	0	17.62	17.55	17.56					
5	28QAM	12	13	17.50	17.58	17.44			19	0.1	
5	28QAM	25	0	17.47	17.51	17.48					
Channel											
Frequency (MHz)											
3	QPSK	1	0	18.61	18.63	18.64					
3	QPSK	1	8	18.21	18.21	18.21			10.1	0	
3	QPSK	8	0	18.00	18.00	18.00					
3	QPSK	8	0	17.86	18.03	17.93					
3	QPSK	8	8	18.07	17.98	18.00			10.1	0	
3	QPSK	15	0	17.74	18.03	17.76					
3	QPSK	15	8	17.80	17.80	17.80					
3	16QAM	1	8	17.95	17.87	17.90			10.1	0	
3	16QAM	1	14	17.69	17.85	17.69					
3	16QAM	8	0	17.66	17.67	17.67					
3	16QAM	8	8	17.67	17.72	17.74			10.1	0	
3	16QAM	8	7	17.85	17.69	17.64					
3	16QAM	8	8	17.65	17.67	17.67			10.1	0	
3	16QAM	8	14	17.68	17.68	17.68					
3	16QAM	8	0	17.73	17.70	17.65					
3	16QAM	8	7	17.67	17.67	17.67					
3	16QAM	15	0	17.58	17.54	17.54			10.1	0	
3	28QAM	1	0	17.60	17.60	17.60					
3	28QAM	1	14	17.54	17.49	17.59			19	0.1	
3	28QAM	1	0	17.56	17.50	17.51					
3	28QAM	15	0	17.50	17.51	17.51					
3	28QAM	1	14	17.48	17.49	17.49					
3	28QAM	8	7	17.45	17.54	17.44					
3	28QAM	15	0	17.40	17.47	17.46					
Channel											
Frequency (MHz)											
1.4	QPSK	1	0	18.62	18.21	18.11					
1.4	QPSK	1	8	18.20	18.20	18.20			10.1	0	
1.4	QPSK	1	5	18.14	18.11	18.10					
1.4	QPSK	2	0	17.85	18.00	18.06					
1.4	QPSK	2	8	17.86	17.86	17.86					
1.4	QPSK	3	0	18.06	17.98	18.00			10.1	0	
1.4	QPSK	3	8	18.06	17.96	18.00					
1.4	16QAM	1	0	17.96	18.00	17.94			10.1	0	
1.4	16QAM	1	8	17.87	17.88	17.82					
1.4	16QAM	1	0	17.72	17.67	17.67			10.1	0	
1.4	16QAM	2	0	17.86	17.86	17.86					
1.4	16QAM	3	1	17.75	17.68	17.77					
1.4	16QAM	3	8	17.83	17.83	17.83					
1.4	16QAM	6	0	17.60	17.62	17.62			10.1	0	
1.4	16QAM	1	0	17.87	17.77	17.64					
1.4	16QAM	1	8	17.68	17.68	17.68					
1.4	16QAM	1	5	17.95	17.62	17.60			10.1	0	
1.4	16QAM	3	0	1							

Band 4 Ant 0												
SW (MHz)	Modulation	RB Size	RB Count	Power (W)	Power (dBm)	Power (dBm)	Power (dBm)	Turn-up time (s)	MPE (dB)			
Channel												
Frequency (MHz)												
20	QPSK	1	0	17.83	17.87	17.80		19.2	0			
20	QPSK	1	49	17.82	17.81	17.78						
20	QPSK	1	97	17.81	17.81	17.78						
20	QPSK	50	0	17.82	17.87	17.80						
20	QPSK	50	49	17.73	17.67	17.68		19.2	0			
20	QPSK	100	0	17.49	17.68	17.45						
20	QPSK	100	49	17.48	17.60	17.45						
20	16QAM	1	49	17.85	17.80	17.62		19.2	0			
20	16QAM	1	99	17.37	17.31	17.46						
20	16QAM	50	0	17.43	17.48	17.46						
20	16QAM	50	24	17.37	17.39	17.42		19.2	0			
20	16QAM	50	50	17.57	17.59	17.58						
20	16QAM	100	0	17.43	17.48	17.46						
20	16QAM	100	5	17.55	17.52	17.52						
20	16QAM	100	1	17.62	17.63	17.63		19.2	0			
20	16QAM	50	5	17.43	17.34	17.43						
20	16QAM	50	24	17.40	17.46	17.44		19.2	0			
20	16QAM	50	50	17.39	17.42	17.43						
20	16QAM	100	5	17.53	17.56	17.56						
20	256QAM	1	0	17.44	17.36	17.44						
20	256QAM	1	49	17.23	17.40	17.43		19	0.2			
20	256QAM	1	99	17.31	17.43	17.46						
20	256QAM	50	0	17.40	17.46	17.36						
20	256QAM	50	49	17.65	17.62	17.62						
20	256QAM	100	0	17.37	17.43	17.24						
20	256QAM	100	49	17.42	17.53	17.49		Turn-up time (s)	MPE (dB)			
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.17	17.13	17.17.5						
15	QPSK	1	49	17.11	17.04	17.15						
15	QPSK	1	97	17.10	17.03	17.14		19.2	0			
15	QPSK	1	24	17.65	17.62	17.70						
15	QPSK	25	0	17.60	17.77	17.74						
15	QPSK	25	49	17.63	17.62	17.63		19.2	0			
15	QPSK	36	39	17.63	17.61	17.59						
15	16QAM	1	0	17.43	17.35	17.36						
15	16QAM	1	49	17.32	17.46	17.43						
15	16QAM	1	97	17.30	17.28	17.23						
15	16QAM	25	0	17.60	17.38	17.41						
15	16QAM	25	49	17.62	17.48	17.46						
15	16QAM	36	36	17.28	17.27	17.25		19.2	0			
15	16QAM	36	39	17.49	17.49	17.49						
15	16QAM	75	0	17.34	17.31	17.33						
15	16QAM	0	0	17.49	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39	17.27	17.27						
15	16QAM	75	49	17.50	17.47	17.43						
15	16QAM	0	0	17.50	17.46	17.25						
15	16QAM	1	24	17.51	17.52	17.38		19.2	0			
15	16QAM	36	0	17.31	17.28	17.27						
15	16QAM	36	39	17.50	17.47	17.43						
15	16QAM	36	39	17.22	17.34	17.43		19.2	0			
15	16QAM	75	0	17.39								

[illegible]

Band 66 Ant 0									
Ch	RB Offset	Power [Ch, Ch1, Ch2, Ch3]	Power [Ch, Ch1, Ch2, Ch3]	Power [Ch, Ch1, Ch2, Ch3]	Turn-on time (ms)	MPE (dB)			
0		150972	150972	150972	19.2	0			
		17.79	17.82	17.82					
		17.81	17.86	17.77					
		17.88	17.88	17.78					
		17.84	17.84	17.78					
19.2	0	17.76	17.74	17.76	19.2	0			
		17.82	17.82	17.76					
		17.60	17.67	17.47					
		17.62	17.62	17.47					
		17.75	17.69	17.53					
19.2	0	17.42	17.58	17.42	19.2	0			
		17.56	17.56	17.42					
		17.36	17.36	17.44					
		17.51	17.57	17.50					
		17.48	17.48	17.50					
19.2	0	17.50	17.52	17.37	19.2	0			
		17.52	17.38	17.57					
		17.44	17.44	17.54					
		17.42	17.34	17.52					
		17.35	17.47	17.44					
19.2	0	17.38	17.46	17.53	19.2	0			
		17.44	17.34	17.57					
		17.40	17.45	17.43					
		17.38	17.38	17.29					
		17.40	17.38	17.40					
19.2	0	17.17	17.33	17.22	19.2	0			
		17.14	17.12	17.22					
		17.20	17.24	17.08					
		17.20	17.24	17.22					
		17.25	17.24	17.22					
Turn-on time (ms)	MPE (dB)	151115	151115	151115	Turn-on time (ms)	MPE (dB)			
		17.17	17.48	17.77					
		17.63	17.64	17.72					
		17.68	17.68	17.63					
		17.76	17.81	17.60					
19.2	0	17.60	17.78	17.62	19.2	0			
		17.70	17.68	17.65					



Band 38 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37850	38050	38150			
20	QPSK	1	0	18.55	18.54	18.52			
20	QPSK	1	49	18.60	18.63	18.67	20.1	0	
20	QPSK	50	0	18.62	18.63	18.69			
20	QPSK	50	0	18.41	18.58	18.63			
20	QPSK	50	24	18.58	18.61	18.60	20.1	0	
20	QPSK	50	49	18.38	18.39	18.46			
20	QPSK	100	0	18.35	18.47	18.33			
20	QPSK	1	0	18.46	18.53	18.43	20.1	0	
20	HQAM	1	49	18.38	18.39	18.46			
20	HQAM	1	99	18.29	18.39	18.31			
20	HQAM	50	24	18.26	18.35	18.34			
20	HQAM	50	0	17.27	17.28	17.26	20.1	0	
20	HQAM	50	50	18.39	18.37	18.39			
20	HQAM	100	0	18.25	18.20	18.20			
20	HQAM	1	0	18.38	18.51	18.14			
20	HQAM	1	49	18.40	18.39	18.42	20.1	0	
20	HQAM	1	99	18.45	18.31	18.25			
20	HQAM	50	50	18.35	18.22	18.29	20.1	0	
20	HQAM	100	0	18.25	18.16	18.36			
20	256QAM	1	0	17.52	17.60	17.53			
20	256QAM	1	49	17.58	17.56	17.46	19	1.1	
20	256QAM	1	99	17.51	17.56	17.55			
20	256QAM	50	0	17.27	17.28	17.26			
20	256QAM	50	24	17.25	17.26	17.17	19	1.1	
20	256QAM	50	50	17.30	17.28	17.24			
20	256QAM	100	0	17.24	17.27	17.24			
Channel									
Frequency (MHz)				37850	38050	38150	Turn-up time (dBm)	MPR (dB)	
15	QPSK	1	0	18.42	18.52	18.22			
15	QPSK	1	37	18.80	18.49	18.46	20.1	0	
15	QPSK	1	74	18.49	18.60	18.67			
15	QPSK	36	0	18.38	18.63	18.61			
15	QPSK	36	20	18.42	18.46	18.53	20.1	0	
15	QPSK	36	36	18.38	18.39	18.43			
15	QPSK	75	0	18.29	18.33	18.31			
15	HQAM	1	0	18.34	18.44	18.30	20.1	0	
15	HQAM	1	37	18.32	18.31	18.27			
15	HQAM	1	74	18.30	18.42	18.22			
15	HQAM	36	0	18.39	18.16	18.22	20.1	0	
15	HQAM	36	20	18.24	18.35	18.29			
15	HQAM	36	36	18.24	18.27	18.26	20.1	0	
15	HQAM	75	0	18.13	18.15	18.24			
15	HQAM	75	0	18.27	18.22	18.24			
15	HQAM	1	37	18.31	18.14	18.27	20.1	0	
15	HQAM	36	20	18.26	18.15	18.18			
15	HQAM	36	0	18.12	18.15	18.20	20.1	0	
15	HQAM	36	36	18.24	18.27	18.19			
15	HQAM	75	0	18.15	18.14	18.21			
15	256QAM	1	0	17.60	17.62	17.43	19	1.1	
15	256QAM	1	37	17.52	17.57	17.61			
15	256QAM	1	74	17.42	17.46	17.43			
15	256QAM	36	0	17.15	17.33	17.18	19	1.1	
15	256QAM	36	20	17.17	17.17	17.09			
15	256QAM	36	36	17.25	17.13	17.20			
15	256QAM	75	0	17.26	17.21	17.19			
Channel									
Frequency (MHz)				37850	38050	38150	Turn-up time (dBm)	MPR (dB)	
10	QPSK	1	0	18.42	18.49	18.46			
10	QPSK	1	25	18.52	18.48	18.50	20.1	0	
10	QPSK	1	49	18.51	18.65	18.67			
10	QPSK	25	0	18.34	18.62	18.61			
10	QPSK	25	12	18.41	18.39	18.50	20.1	0	
10	QPSK	25	25	18.51	18.43	18.41			
10	HQAM	1	0	18.38	18.39	18.32	20.1	0	
10	HQAM	1	25	18.24	18.26	18.38			
10	HQAM	1	49	18.15	18.48	18.24			
10	HQAM	25	0	18.29	18.15	18.21	20.1	0	
10	HQAM	25	12	18.25	18.16	18.21			
10	HQAM	25	25	18.26	18.23	18.21	20.1	0	
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	50	0	18.15	18.17	18.22			
10	HQAM	1	25	18.34	18.10	18.31	20.1	0	
10	HQAM	1	49	18.35	18.27	18.22			
10	HQAM	25	0	18.17	18.14	18.18	20.1	0	
10	HQAM	25	12	18.28	18.18	18.10			
10	HQAM	25	25	18.10	18.11	18.18	20.1	0	
10	HQAM	50	0	18.15	18.17	18.22			
10	256QAM	1	0	17.41	17.46	17.42	19	1.1	
10	256QAM	1	25	17.51	17.46	17.40			
10	256QAM	1	49	17.38	17.43	17.39			
10	256QAM	25	0	17.22	17.28	17.20			
10	256QAM	25	12	17.14	17.16	17.07	19	1.1	
10	256QAM	25	25	17.22	17.15	17.09			
10	256QAM	50	0	17.24	17.22	17.22			

Band 41 Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Turn-up time (dBm)	MPR (dB)
Channel											
Frequency (MHz)				39750	40185	40620	41058	41490			
20	QPSK	1	0	18.47	18.54	18.62	18.73	18.82			
20	QPSK	1	49	18.59	18.71	18.50	18.65	18.59		20.1	0
20	QPSK	50	0	18.59	18.67	18.64	18.69	18.49			
20	QPSK	50	0	18.38	18.46	18.65	18.69	18.53			
20	QPSK	50	24	18.54	18.57	18.53	18.51	18.51		20.1	0
20	QPSK	50	49	18.58	18.63	18.67	18.67	18.38			
20	QPSK	100	0	18.15	18.31	18.28	18.32	18.30			
20	16QAM	1	0	18.29	18.47	18.48	18.42	18.28			
20	16QAM	50	24	18.22	18.18	18.25	18.20	18.35		20.1	
20	16QAM	1	99	18.10	18.25	18.35	18.29	18.28			
20	16QAM	50	50	18.30	18.43	18.42	18.24	18.31			
20	16QAM	100	0	18.22	18.41	18.23	18.37	18.47			
20	16QAM	1	0	18.30	18.43	18.42	18.38	18.35		20.1	0
20	16QAM	50	24	18.32	18.18	18.25	18.20	18.35			
20	16QAM	50	50	18.32	18.38	18.30	18.42	18.28			
20	16QAM	100	0	18.25	18.41	18.23	18.37	18.47			
20	64QAM	1	49	18.35	18.43	18.44	18.24	18.28		20.1	
20	64QAM	1	99	18.33	18.42	18.31	18.33	18.38			
20	64QAM	50	0	18.43	18.24	18.30	18.17	18.13			
20	64QAM	50	24	18.30	18.44	18.29	18.37	18.16		20.1	
20	64QAM	50	50	18.13	18.20	18.32	18.22	18.29			
20	64QAM	100	0	18.21	18.29	18.31	18.18	18.26			
20	256QAM	1	0	18.11	18.12	18.10	18.13	18.20			
20	256QAM	1	49	18.11	18.05	18.06	18.11	18.08		19	1.1
20	256QAM	1	99	18.05	18.15	18.16	18.12	18.14			
20	256QAM	50	0	17.97	17.86	17.83	17.80	17.87			
20	256QAM	50	24	17.82	17.70	17.79	17.83	17.71		19	1.1
20	256QAM	50	50	17.87	17.77	17.80	17.62	17.77			
20	256QAM	100	0	17.84	17.67	17.69	17.62	17.68			
Channel											
Frequency (MHz)				39750	40173	40620	41060	41515			
15	QPSK	1	0	18.37	18.50	18.48	18.72	18.92		20.1	
15	QPSK	1	37	18.65	18.61	18.43	18.68	18.43			20
15	QPSK	1	74	18.40	18.52	18.50	18.65	18.36			
15	QPSK	36	0	18.31	18.31	18.53	18.63	18.38			
15	QPSK	36	20	18.41	18.51	18.38	18.39	18.44		20.1	
15	QPSK	36	36	18.46	18.48	18.43	18.47	18.39			
15	QPSK	75	0	18.46	18.18	18.22	18.47	18.18			
15	16QAM	1	0	18.25	18.41	18.35	18.38	18.17		20.1	
15	16QAM	1	37	18.34	18.30	18.36	18.43	18.33			
15	16QAM	1	74	18.43	18.12	18.27	18.47	18.13			
15	16QAM	36	0	18.22	18.32	18.26	18.16	18.16			
15	16QAM	36	20	18.18	18.15	18.14	18.27	18.39		20.1	
15	16QAM	36	36	18.21	18.33	18.20	18.35	18.23			
15	16QAM	75	0	18.39	18.14	18.22	18.42	18.43			
15	64QAM	1	37	18.28	18.34	18.35	18.38	18.20		20.1	
15	64QAM	36	20	18.19	18.29	18.23	18.13	18.40			
15	64QAM	36	0	18.36	18.11	18.17	18.47	18.46			
15	64QAM	36	20	18.16	18.29	18.15	18.31	18.44		20.1	
15	64QAM	75	0	18.43	18.17	18.22	18.42	18.21			
15	256QAM	1	0	18.02	17.99	18.03	17.99	18.16		19	1.1
15	256QAM	1	37	18.05	18.08	18.06	18.07	17.84			
15	256QAM	1	74	17.98	18.06	18.04	18.09	18.07			
15	256QAM	36	0	17.88	17.77	17.79	17.82	17.74		19	1.1
15	256QAM	36	20	17.79	17.73	17.77	17.68	17.68			
15	256QAM	75	0	17.82	17.8						
Channel											
Frequency (MHz)				39750	40160	40620	41060	41560			
5	QPSK	1	0	18.49	18.53	18.61	18.69	18.79	18.45		
5	QPSK	1	25	18.46	18.54	18.43	18.57	18.46		20	0
5	QPSK	1	49	18.44	18.53	18.48	18.61	18.31			
5	QPSK	12	0	18.35	18.40	18.51	18.60	18.44			
5	QPSK	25	12	18.41	18.51	18.45	18.39	18.46		20.1	0
5	QPSK	25	37	18.46	18.48	18.43	18.47	18.39			
5	QPSK	50	0	18.46	18.23	18.13	18.48	18.24			
5	16QAM	1	0	18.20	18.34	18.35	18.27	18.23			
5	16QAM	1	25	18.43	18.24	18.25	18.27	18.28		20.1	
5	16QAM	1	49	18.48	18.14	18.28	18.47	18.19			
5	16QAM	25	0	18.17	18.34	18.37	18.38	18.25			
5	16QAM	25	12	18.40	18.19	18.20	18.15	18.27			
5	16QAM	25	37	18.19	18.26	18.16	18.26	18.23			
5	16QAM	50	0	18.36	18.28	18.20	18.32	18.40			
5	64QAM	1	0	18.15	18.27	18.14	18.30	18.42			
5	64QAM	1	25	18.24	18.39	18.28	18.11	18.35		20.1	0
5	64QAM	1	49	18.23	18.38	18.31	18.37	18.15			
5	64QAM	25	0	18.48	18.17	18.22	18.10	18.40			
5	64QAM	25	12	18.20	18.31	18.17	18.24	18.48			
5	64QAM	25	37	18.40	18.12	18.25	18.10	18.15			
5	64QAM	50	0	18.15	18.15	18.24	18.36	18.16			
5	256QAM	1	0	17.98	17.98	18.02	18.01	18.16		19	1.1
5	256QAM	1	25	18.01	18.01	18.01	17.98	18.04			
5	256QAM	1	49	18.01	18.04	18.13	18.03	18.04			
5	256QAM	12	0	17.85	17.86	17.84	17.83	17.88		19	1.1
5	256QAM	25	12	17.72	17.58	17.65	17.72	17.62			
5	256QAM	25	37	17.78	17.64	17.74	17.66	17.79		19	1.1
5	256QAM	50	0	17.86	17.78	17.82	17.68	17.85			
Channel											
Frequency (MHz)				39675	40166	40620	41060	41565			
5	QPSK	1	0	18.49	18.53	18.61	18.69	18.79	18.45		
5	QPSK	1	12	18.43	18.50	18.43	18.51	18.46		20	0
5	QPSK	1	24	18.40	18.50	18.48	18.60	18.31			
5	QPSK	12	5	18.38	18.42	18.60	18.66	18.43			
5	QPSK	12	7	18.43	18.48	18.46	18.45	18.39		20.1	
5	QPSK	12	13	18.41	18.48	18.43	18.43	18.34			
5	QPSK	25	0	18.10	18.21	18.16	18.45	18.24			
5	16QAM	1	0	18.20	18.42	18.34	18.30	18.20			
5	16QAM	1	12	18.39	18.37	18.33	18.40	18.31		20.1	0
5	16QAM	1	24	18.41	18.45	18.22	18.54	18.22			
5	16QAM	12	0	18.23	18.37	18.36	18.19	18.22			
5	16QAM	12	13	18.40	18.19	18.20	18.15	18.42			
5	16QAM	25	13	18.28	18.23	18.20	18.32	18.40		20.1	0
5	64QAM	1	0	18.14	18.27	18.16	18.30	18.42			
5	64QAM	1	12	18.23	18.30	18.12	18.23	18.45			
5	64QAM	1	12	18.25	18.37	18.33	18.17	18.13		20.1	0
5	64QAM	12	0	18.43	18.13	18.20	18.44	18.45			
5	64QAM	12	7	18.17	18.29	18.15	18.33	18.46			
5	64QAM	12	13	18.24	18.15	18.22	18.10	18.24		20.1	0
5	64QAM	25	0	18.15	18.25	18.17	18.39	18.20			
5	256QAM	1	0	18.04	18.03	18.01	18.02	18.15		19	1.1
5	256QAM	1	12	18.01	18.01	18.01	17.98	18.04			
5	256QAM	1	24	18.04	18.07	18.03	18.00	18.10			
5	256QAM	12	0	17.87	17.86	17.84	17.83	17.88		19	1.1
5	256QAM	12	7	17.72	17.61	17.73	17.70	17.68			
5	256QAM	12	13	17.76	17.72	17.72	17.79	17.67			
5	256QAM	25	0	17.85	17.72	17.80	17.65	17.85			



Band 2 Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Min [Ch./Freq.]	Power Max [Ch./Freq.]	Power Min [Ch./Freq.]	Turn-up Time [sec]	MPR (dB)				
Channel												
Frequency [MHz]												
20	QPSK	1	0	13.33	13.47	13.33			14.7	0		
20	QPSK	1	49	13.41	13.49	13.41						
20	QPSK	1	99	13.32	13.43	13.31			14.7	0		
20	QPSK	50	0	13.14	13.26	13.12						
20	QPSK	50	24	13.25	13.27	13.20			14.7	0		
20	QPSK	50	50	13.23	13.28	13.24						
20	QPSK	100	0	13.07	13.16	13.03			14.7	0		
20	QPSK	100	0	13.18	13.20	13.19						
20	16QAM	1	49	13.16	13.17	13.18			14.7	0		
20	16QAM	1	99	13.04	13.31	13.02						
20	16QAM	50	0	12.97	12.98	12.93			14.7	0		
20	16QAM	50	24	12.99	12.92	12.94						
20	16QAM	50	50	12.98	13.12	12.92			14.7	0		
20	16QAM	100	0	12.99	12.98	12.92						
20	64QAM	1	0	12.12	12.90	12.92			14.7	0		
20	64QAM	1	49	12.13	12.87	12.98						
20	64QAM	50	0	12.99	12.98	12.92			14.7	0		
20	64QAM	50	0	12.99	12.97	12.97						
20	64QAM	24	24	13.11	13.01	13.02			14.7	0		
20	64QAM	100	0	12.99	12.98	12.92						
20	256QAM	1	49	12.98	13.04	12.98			14.7	0		
20	256QAM	1	99	13.13	12.88	13.03						
20	256QAM	50	0	12.99	12.98	12.92			14.7	0		
20	256QAM	50	24	13.01	12.95	13.00						
20	256QAM	50	50	13.06	12.81	12.97			14.7	0		
20	256QAM	100	0	12.99	12.98	12.92						
Channel												
Frequency [MHz]												
15	QPSK	1	0	13.26	13.33	13.21			14.7	0		
15	QPSK	1	49	13.28	13.23	13.24						
15	QPSK	1	74	13.21	13.30	13.22			14.7	0		
15	QPSK	36	0	13.04	13.19	13.11						
15	QPSK	36	18	13.12	13.12	13.24			14.7	0		
15	QPSK	36	36	13.09	13.15	13.11						
15	16QAM	1	0	12.91	12.95	12.90			14.7	0		
15	16QAM	1	49	13.11	13.11	13.14						
15	16QAM	1	37	13.05	13.09	13.13			14.7	0		
15	16QAM	36	0	13.01	12.70	13.02						
15	16QAM	36	20	12.79	12.79	12.79			14.7	0		
15	16QAM	36	50	12.83	12.80	12.85						
15	16QAM	75	0	12.83	12.80	12.85			14.7	0		
15	64QAM	1	0	12.99	12.95	12.84						
15	64QAM	1	49	12.97	12.98	12.94			14.7	0		
15	64QAM	1	74	13.05	12.91	13.00						
15	64QAM	36	0	12.79	12.84	12.80			14.7	0		
15	64QAM	36	36	12.83	12.80	12.85						
15	64QAM	36	39	12.83	12.81	13.00			14.7	0		
15	64QAM	75	0	12.91	12.81	12.83						
15	256QAM	1	37	12.93	12.99	12.97			14.7	0		
15	256QAM	1	74	12.98	12.83	12.88						
15	256QAM	36	0	12.83	12.80	12.85			14.7	0		
15	256QAM	36	20	12.85	12.82	13.02						
15	256QAM	36	39	12.85	12.74	12.91			14.7	0		
15	256QAM	75	0	12.85	12.85	12.85						
Channel												
Frequency [MHz]												
10	QPSK	1	0	13.34	13.33	13.17			14.7	0		
10	QPSK	1	25	13.34	13.33	13.17						
10	QPSK	1	49	13.27	13.37	13.21			14.7	0		
10	QPSK	25	12	13.25	13.15	13.22						
10	QPSK	25	25	13.08	13.19	13.13			14.7	0		
10	QPSK	25	50	13.12	13.12	13.24						
10	16QAM	1	0	13.13	13.04	13.10			14.7	0		
10	16QAM	1	25	13.03	13.08	13.07						
10	16QAM	25	12	12.73	12.85	12.80			14.7	0		
10	16QAM	25	12	12.97	12.71	13.00						
10	16QAM	25	12	12.73	12.85	12.80			14.7	0		
10	16QAM	50	0	13.05	12.96	12.80						
10	64QAM	1	49	13.04	12.84	12.92			14.7	0		
10	64QAM	25	0	12.80	12.83	12.87						
10	64QAM	25	12	13.00	12.95	13.00			14.7	0		
10	64QAM	25	25	12.78	12.79	13.04						
10	64QAM	50	0	13.02	12.75	12.95			14.7	0		
10	64QAM	50	0	12.81	12.85	12.85						
10	256QAM	1	25	12.94	12.87	12.96			14.7	0		
10	256QAM	1	49	13.06	12.86	12.88						
10	256QAM	25	0	12.80	13.03	12.79			14.7	0		
10	256QAM	25	12	12.98	12.79	12.86						
10	256QAM	50	0	12.80	12.87	12.88			14.7	0		
10	256QAM	50	12	12.90	12.75	12.88						
Channel												
Frequency [MHz]												
5	QPSK	1	0	13.34	13.34	13.15			14.7	0		
5	QPSK	1	12	13.30	13.29	13.15						
5	QPSK	1	24	13.18	13.28	13.19			14.7	0		
5	QPSK	12	12	13.08	13.28	13.14						
5	QPSK	12	7	13.15	13.23	13.26			14.7	0		
5	QPSK	12	13	13.18	13.16	13.10						
5	16QAM	1	0	13.03	13.03	13.03			14.7	0		
5	16QAM	1	0	13.12	13.15	13.09						
5	16QAM	1	12	13.04	13.07	13.08			14.7	0		
5	16QAM	1	12	13.04	13.15	13.06						
5	16QAM	12	0	12.93	12.92	13.09			14.7	0		
5	16QAM	12	7	12.73	12.78	12.80						
5	16QAM	12	7	12.95	12.88	12.88			14.7	0		
5	16QAM	25	0	12.81	12.79	12.86						
5	16QAM	25	0	12.98	13.03	12.99			14.7	0		
5	16QAM	25	12	13.08	12.79	13.03						
5	64QAM	1	24	13.08	12.88	12.92			14.7	0		
5	64QAM	12	0	12.82	12.84	12.89						
5	64QAM	12	7	13.01	12.91	12.88			14.7	0		
5	64QAM	12	13	12.81	12.88	13.02						
5	64QAM	25	0	13.00	13.12	12.99			14.7	0		
5	64QAM	25	12	12.83	12.83	12.95						
5	256QAM	1	12	12.98	13.00	12.91			14.7	0		
5	256QAM	1	24	13.00	13.14	12.91						
5	256QAM	12	0	13.11	12.81	12.81			14.7	0		
5	256QAM	12	7	12.95	12.85	12.87						
5	256QAM	12	13	12.90	12.75	12.83			14.7	0		
5	256QAM	25	0	12.80	12.87	12.86						
Channel												
Frequency [MHz]												
3	QPSK	1	0	13.32	13.31	13.15			14.7	0		
3	QPSK	1	8	13.31	13.31	13.15						
3	QPSK	1	14	13.21	13.31	13.15			14.7	0		
3	QPSK	8	4	13.09	13.29	13.11						
3	QPSK	8	7	13.11	13.21	13.17			14.7	0		
3	16QAM	1	0	13.00	13.04	13.04						
3	16QAM	1	0	13.14	13.14	13.14			14.7	0		
3	16QAM	8	8	13.11	13.11	13.07						
3	16QAM	8	4	12.99	13.23	12.91			14.7	0		
3	16QAM	8	0	12.92	12.70	12.86						
3	16QAM	14	0	12.94	12.77	12.84			14.7	0		
3	16QAM	14	0	12.88	12.82	12.92						
3	16QAM	14	0	12.96	12.85	12.97			14.7	0		
3	16QAM	8	7	12.84	12.71	12.81						
3	256QAM	1	8	13.00	13.00	12.98			14.7	0		
3	256QAM	1	14	12.98	12.84	12.87						
3	256QAM	8	0	12.88	12.88	12.90			14.7	0		
3	256QAM	8	7	12.85	12.79	12.88						
3	256QAM	8	7	12.91	12.78	12.84			14.7	0		
3	256QAM	8	7	12.91	12.78	12.84						
Channel												
Frequency [MHz]												
1.4	QPSK	1	0	13.32	13.31	13.15			14.7	0		
1.4	QPSK	1	3	13.31	13.31	13.14						
1.4	QPSK	1	5	13.23	13.34	13.20			14.7	0		
1.4	QPSK	1	10	13.21	13.26	13.22						
1.4	QPSK	3	1	13.19	13.17	13.21			14.7	0		
1.4	QPSK	3	3	13.13	13.13	13.16						
1.4	QPSK	3	5	13.02	13.01	13.03			14.7	0		
1.4	16QAM	1	0	13.11	13.04	13.05						
1.4	16QAM	1	3	13.01	13.04	13.05			14.7	0		
1.4	16QAM	3	1	12.92	13.13	13.05						
1.4	16QAM	3	3	12.76	12.82	12.80			14.7	0		
1.4	16QAM	3	5	12.92	12.85	12.87						
1.4	16QAM	6	0	12.73	12.77	12.80			14.7	0		
1.4	16QAM	6	3	12.87	12.77	12.86						
1.4	16QAM	6	5	12.98	12.79	12.81			14.7	0		
1.4	16QAM	1	5	13.11	12.81	12.82						
1.4	16QAM	3	0	12.87	12.84	12.82			14.7	0		
1.4	16QAM	3	3	13.04	12.84	12.78						
1.4	16QAM	3	5	12.76	12.78	12.80			14.7	0		
1.4	16QAM	6	0	12.87	12.87	12.86						
1.4	256QAM	1	3	13.09	12.88	12.84			14.7	0		
1.4	256QAM	1	5	12.98	12.83	12.83						
1.4	256QAM	3	0	13.10	12.90	12.87			14.7	0		
1.4	256QAM	3	1	12.95	12.86	12.81						
1.4	256QAM	6	0	12.92	12.90	1						



Band 38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Mid Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				37465	38050	38150			
				2317.5	2317.5	2317.5			
20	QPSK	1	0	18.20	18.20	18.24			
20	QPSK	1	48	18.21	18.31	18.17	18.6	0	
20	QPSK	8	0	18.16	18.20	18.20			
20	QPSK	50	0	18.00	18.20	18.16			
20	QPSK	50	24	18.17	18.07	18.18	18.6	0	
20	QPSK	50	48	17.34	18.00	18.01			
20	QPSK	100	0	17.86	18.03	17.86			
20	HQAM	1	0	18.00	17.87	17.86	18.6	0	
20	HQAM	1	48	17.34	17.87	17.86			
20	HQAM	1	96	17.85	18.18	17.87			
20	HQAM	50	0	17.30	17.87	17.89			
20	HQAM	50	24	17.30	17.87	17.89	18.6	0	
20	HQAM	50	48	17.30	17.87	17.89			
20	HQAM	100	0	17.86	17.86	17.86			
20	HQAM	100	0	17.86	17.86	17.86			
20	HQAM	1	0	17.86	17.86	17.86	18.6	0	
20	HQAM	1	48	17.86	17.86	17.86			
20	HQAM	1	96	17.86	17.86	17.86			
20	HQAM	50	0	18.02	18.05	17.99			
20	HQAM	50	24	17.39	17.85	17.81	18.6	0	
20	HQAM	50	50	17.85	17.85	17.85			
20	HQAM	100	0	17.84	17.84	17.84			
20	HQAM	100	0	17.84	17.84	17.84			
20	HQAM	1	0	17.31	17.30	17.41	18.6	0	
20	HQAM	1	48	17.30	17.47	17.30			
20	HQAM	1	96	17.47	17.16	17.43			
20	HQAM	50	0	17.30	17.37	17.41			
20	HQAM	50	24	17.40	17.29	17.44	18.6	0	
20	HQAM	50	50	17.34	17.16	17.38			
20	HQAM	100	0	17.34	17.16	17.38			
Channel									
Frequency (MHz)				37455	38050	38150	Tune-up limit (dBm)	MPR (dB)	
				2317.5	2317.5	2317.5			
15	QPSK	1	0	18.11	18.20	18.24			
15	QPSK	1	37	18.09	18.27	18.14	18.6	0	
15	QPSK	1	74	18.12	18.16	18.10			
15	QPSK	36	0	17.87	18.17	18.08			
15	QPSK	36	20	18.05	17.97	18.06	18.6	0	
15	QPSK	36	56	18.07	18.04	18.09			
15	QPSK	75	0	17.98	17.98	17.81			
15	HQAM	1	0	18.06	18.30	18.10	18.6	0	
15	HQAM	1	37	18.10	18.24	18.07			
15	HQAM	1	74	18.14	18.23	18.19			
15	HQAM	36	0	17.80	18.19	18.10			
15	HQAM	36	20	18.05	17.99	18.02	18.6	0	
15	HQAM	36	56	18.02	17.89	18.00			
15	HQAM	75	0	18.04	17.86	17.80			
15	HQAM	75	0	18.04	17.86	17.80	18.6	0	
15	HQAM	1	37	18.16	18.18	18.08			
15	HQAM	1	74	18.10	18.26	18.10			
15	HQAM	36	0	17.87	18.15	18.08	18.6	0	
15	HQAM	36	20	18.05	17.96	18.13			
15	HQAM	36	56	18.07	18.05	18.01			
15	HQAM	75	0	17.80	17.90	18.03			
15	HQAM	75	0	17.80	17.94	17.87	18.6	0	
15	HQAM	1	37	17.85	17.85	17.85			
15	HQAM	1	74	17.36	17.54	17.33			
15	HQAM	36	0	17.46	17.18	17.33	18.6	0	
15	HQAM	36	20	17.87	17.22	17.29			
15	HQAM	36	56	17.27	17.11	17.25			
15	HQAM	75	0	17.29	17.23	17.21			
Channel									
Frequency (MHz)				37460	38050	38050	Tune-up limit (dBm)	MPR (dB)	
				2317.5	2316	2315			
5	QPSK	1	0	18.07	18.20	18.24			
5	QPSK	1	25	18.07	18.25	18.14	18.6	0	
5	QPSK	1	48	18.05	18.18	18.21			
5	QPSK	25	0	18.05	18.20	18.20			
5	QPSK	25	12	18.04	18.02	18.06	18.6	0	
5	QPSK	25	25	18.00	18.02	17.86			
5	QPSK	50	0	18.00	18.00	18.00			
5	HQAM	1	0	18.17	18.27	18.21	18.6	0	
5	HQAM	1	25	18.17	18.26	18.14			
5	HQAM	1	48	18.06	18.15	18.11			
5	HQAM	25	0	17.86	18.16	18.07			
5	HQAM	25	12	18.15	17.88	18.05	18.6	0	
5	HQAM	25	25	18.05	18.05	18.01			
5	HQAM	50	0	18.00	18.00	18.00			
5	HQAM	50	0	18.00	17.92	17.81			
5	HQAM	1	48	18.16	18.19	18.14	18.6	0	
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.83	17.81	17.80			
5	HQAM	50	0	17.83	17.81	17.80	18.6	0	
5	HQAM	1	48	18.16	18.19	18.14			
5	HQAM	25	0	17.81	18.11	18.02			
5	HQAM	25	12	18.08	18.01	18.16	18.6	0	
5	HQAM	25	25	18.07	18.05	17.91			
5	HQAM	50	0	17.8					



Band 38 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Tune-up limit (dBm)	MFR (dB)	
Channel				37850	38050	38150			
Frequency (MHz)				21.25	21.25	21.25			
20	QPSK	1	0	21.25	21.25	21.25	21.9	0	
20	QPSK	1	48	21.25	21.40	21.43			
20	QPSK	1	88	21.25	21.28	21.40			
20	QPSK	50	0	21.23	21.40	21.40			
20	QPSK	50	24	21.37	21.31	21.38			
20	QPSK	50	48	21.18	21.18	21.21	21.9	0	
20	QPSK	100	0	21.07	21.21	21.04			
20	QPSK	1	0	21.15	21.21	21.24	21.9	0	
20	HQAM	1	48	21.18	21.28	21.21			
20	HQAM	1	96	21.11	21.26	21.08			
20	HQAM	50	24	20.95	20.90	20.97	21.9	0	
20	HQAM	50	48	20.94	20.92	20.96			
20	HQAM	100	0	20.84	20.92	20.85			
20	HQAM	1	0	20.95	20.92	20.77			
20	HQAM	1	48	20.86	20.71	20.76	21.9	0	
20	HQAM	1	96	20.92	20.88	20.70			
20	HQAM	50	0	19.48	19.53	19.44			
20	HQAM	50	24	19.34	19.48	19.35			
20	HQAM	50	50	19.41	19.33	19.35	21	0.9	
20	HQAM	100	0	19.35	19.45	19.27			
20	256QAM	1	0	17.87	17.85	17.70			
20	256QAM	1	48	17.75	17.79	17.68	19	2.9	
20	256QAM	1	96	17.65	17.58	17.60			
20	256QAM	50	0	17.47	17.44	17.37			
20	256QAM	50	24	17.38	17.33	17.24	19	2.9	
20	256QAM	50	50	17.35	17.44	17.32			
20	256QAM	100	0	17.25	17.36	17.18			
Channel				37850	38050	38150	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				212.5	212.5	212.5			
15	QPSK	1	12	0	21.25	21.30	21.9	0	
15	QPSK	1	37	21.29	21.38	21.20	21.9	0	
15	QPSK	1	74	21.20	21.33	21.26			
15	QPSK	36	0	21.17	21.34	21.29			
15	QPSK	36	20	21.29	21.20	21.20	21.9	0	
15	QPSK	36	38	21.21	21.29	21.22			
15	QPSK	75	0	21.03	21.16	20.96			
15	HQAM	1	0	21.05	21.16	21.17	21.9	0	
15	HQAM	1	37	21.06	21.12	21.08			
15	HQAM	1	74	21.04	21.08	20.93			
15	HQAM	36	0	20.40	20.42	20.27	21.9	0	
15	HQAM	36	20	20.32	20.35	20.20			
15	HQAM	36	39	20.26	20.33	20.31			
15	HQAM	75	0	20.44	20.40	20.27			
15	HQAM	75	0	19.38	19.50	19.36			
15	HQAM	1	37	20.54	20.59	20.66	21.9	0	
15	HQAM	1	74	20.51	20.62	20.66			
15	HQAM	36	0	19.38	19.50	19.36	21	0.9	
15	HQAM	36	20	19.29	19.49	19.35			
15	HQAM	36	39	19.35	19.52	19.36			
15	HQAM	75	0	19.51	19.57	19.55			
15	256QAM	1	0	17.87	17.81	17.66	19	2.9	
15	256QAM	1	37	17.85	17.82	17.77			
15	256QAM	1	74	17.57	17.49	17.50			
15	256QAM	36	0	17.38	17.38	17.25	19	2.9	
15	256QAM	36	20	17.42	17.34	17.40			
15	256QAM	36	39	17.34	17.36	17.23			
15	256QAM	75	0	17.40	17.41	17.28			
Channel				37850	38050	38150	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				212.5	212.5	212.5			
10	QPSK	1	0	21.25	21.25	21.25	21.9	0	
10	QPSK	1	25	21.22	21.33	21.21			
10	QPSK	1	48	21.22	21.27	21.32			
10	QPSK	1	88	21.25	21.28	21.40			
10	QPSK	25	12	21.26	21.23	21.20	21.9	0	
10	QPSK	25	25	21.17	21.26	21.15			
10	HQAM	1	0	21.03	21.16	21.16	21.9	0	
10	HQAM	1	25	21.08	21.08	21.11			
10	HQAM	1	48	21.00	21.28	20.96			
10	HQAM	25	0	20.46	20.49	20.34	21.9	0	
10	HQAM	25	12	20.38	20.44	20.35			
10	HQAM	25	25	20.18	20.33	20.48			
10	HQAM	50	0	20.41	20.45	20.34			
10	HQAM	50	0	19.46	19.49	19.35	21.9	0	
10	HQAM	50	25	19.52	19.67	19.62			
10	HQAM	25	0	19.44	19.43	19.30			
10	HQAM	25	12	19.27	19.40	19.29	21	0.9	
10	HQAM	25	25	19.32	19.36	19.35			
10	HQAM	50	0	19.31	19.34	19.20			
10	256QAM	1	0	17.84	17.59	17.64	19	2.9	
10	256QAM	1	25	17.53	17.64	17.39			
10	256QAM	1	48	17.55	17.59	17.56			
10	256QAM	25	0	17.31	17.36	17.25			
10	256QAM	25	12	17.36	17.31	17.46	19	2.9	
10	256QAM	25	25	17.51	17.42	17.23			
10	256QAM	50	0	17.40	17.35	17.33			
Channel				37850	38050	38150	Tune-up limit (dBm)	MFR (dB)	
Frequency (MHz)				212.5	212.5	212.5			
5	QPSK	1	0	21.22	21.26	21.26	21.9	0	
5	QPSK	1	12	21.23	21.28	21.21			
5	QPSK	1	24	21.28	21.24	21.35			
5	QPSK	12	0	21.13	21.26	21.25			
5	QPSK	12	7	21.32	21.21	21.13	21.9	0	
5	QPSK	12	13	21.18	21.28	21.22			
5	HQAM	1	0	20.94	21.09	21.18			
5	HQAM	1	12	21.08	21.15	21.16	21.9	0	
5	HQAM	1	24	21.05	21.20	20.95			
5	HQAM	12	0	20.45	20.47	20.38			
5	HQAM	12	7	20.28	20.44	20.34	21.9	0	
5	HQAM	12	13	20.35	20.41	20.32			
5	HQAM	25	0	20.38	20.47	20.35			
5	HQAM	25	0	20.60	20.61	20.77	21.9	0	
5	HQAM	25	12	20.58	20.60	20.64			
5	HQAM	12	0	19.44	19.42	19.34			
5	HQAM	12	7	19.28	19.38	19.31	21	0.9	
5	HQAM	12	13	19.41	19.52	19.24			
5	HQAM	25	0	19.35	19.43	19.18			
5	HQAM	25	0	17.58	17.55	17.68	19	2.9	
5	256QAM	1	12	17.53	17.63	17.47			
5	256QAM	1	24	17.54	17.53	17.60			
5	256QAM	12	0	17.37	17.33	17.28			
5	256QAM	12	7	17.38	17.32	17.23	19	2.9	
5	256QAM	12	13	17.30	17.38	17.29			
5	256QAM	25	0	17.37	17.42	17.37			

Band 41 Ant 2										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Power High Ch / Freq	Turn-up limit (dBm)	MFR (dB)
Channel				39750	40185	40620	41068	41600		
Frequency (MHz)				219.7	219.3	219.3	219.3	219.3		
20	QPSK	1	0	21.27	21.38	21.43	21.42	21.38		
20	QPSK	1	48	21.35	21.43	21.42	21.38	21.23	21.9	0
20	QPSK	1	96	21.27	21.40	21.42	21.33	21.17		
20	QPSK	50	0	21.22	21.28	21.44	21.36	21.24		
20	QPSK	50	24	21.29	21.30	21.22	21.33	21.23		
20	QPSK	50	48	21.18	21.21	21.30	21.29	21.20	21.9	0
20	QPSK	100	0	21.05	21.09	21.24	21.05	21.04		
20	16QAM	1	0	21.08	21.15	21.18	21.14	21.11		
20	16QAM	1	48	21.08	21.13	21.13	21.08	21.06	21.9	0
20	16QAM	1	96	20.93	21.04	21.37	21.03	21.06		
20	16QAM	50	0	20.63	20.60	20.70	20.65	20.62		
20	16QAM	50	24	20.50	20.50	20.57	20.53	20.51	21.9	0
20	16QAM	100	0	20.45	20.47	20.49	20.46	20.47		
20	16QAM	1	0	20.95	20.87	20.97	20.90	20.93		
20	16QAM	1	48	20.84	20.72	20.86	20.80	20.75		
20	16QAM	1	96	20.70	20.70	20.63	20.63	20.72		
20	16QAM	50	0	19.28	19.05	19.71	19.54	19.46		
20	16QAM	50	24	19.47	19.55	19.57	19.42	19.38		
20	16QAM	50	50	19.49	19.62	19.52	19.44	19.34	21	0.9
20	16QAM	100	0	19.48	19.47	19.68	19.48	19.41		
20	256QAM	1	0	17.71	17.81	17.88	17.81	17.71		
20	256QAM	1	48	17.74	17.70	17.74	17.72	17.67	19	2.9
20	256QAM	1	96	17.63	17.77	17.77	17.82	17.70		
20	256QAM	50	0	17.53	17.54	17.61	17.55	17.47		
20	256QAM	50	24	17.48	17.55	17.51	17.30	17.30		
20	256QAM	50	50	17.47	17.44	17.55	17.50	17.37	19	2.9
20	256QAM	100	0	17.38	17.46	17.38	17.40	17.31		
Channel				39750	40185	40620	41068	41600	Turn-up limit (dBm)	MFR (dB)
Frequency (MHz)				219.7	219.3	219.3	219.3	219.3		
15	QPSK	1	0	21.20	21.30	21.43	21.40	21.33		
15	QPSK	1	37	21.28	21.30	21.27	21.21	21.15	22	0
15	QPSK	1	74	21.18	21.33	21.34	21.23	21.04		
15	QPSK	36	0	21.09	21.13	21.35	21.36	21.24		
15	QPSK	36	20	21.21	21.22	21.07	21.10	21.03	21.9	0
15	QPSK	36	38	21.13	21.24	21.20	21.14	21.09		
15	QPSK	75	0	21.00	20.97	21.13	21.08	21.07		
15	16QAM	1	0	21.00	21.05	21.02	21.08	21.07		
15	16QAM	1	37	21.03	21.17	21.09	21.05	21.03	21.9	0
15	16QAM	1	74	20.79	20.90	21.27	20.92	21.01		
15	16QAM	36	0	20.51	20.46	20.58	20.42	20.46		
15	16QAM	36	20	20.50	20.50	20.57	20.53	20.51	21.9	0
15	16QAM	36	38	20.44	20.40	20.55	20.40	20.45		
15	16QAM	75	0	20.20	20.20	20.24	20.37	20.36		
15	16QAM	1	0	20.84	20.79	20.89	20.95	20.80		
15	16QAM	1	37	20.75	20.68	20.76	20.79	20.65	21.9	0
15	16QAM	1	74	20.52	20.73	20.69	20.63	20.60		
15	16QAM	36	0	19.47	19.62	19.60	19.62	19.38		
15	16QAM	36	20	19.39	19.50	19.47	19.29	19.38		
15	16QAM	36	38	19.30	19.30	19.33	19.40	19.34	21	0.9
15	16QAM	75	0	19.41	19.44	19.54	19.43	19.35		
15	256QAM	1	0	17.66	17.72	17.72	17.66	17.59		
15	256QAM	1	37	17.71	17.72	17.72	17.60	17.52	19	2.9
15	256QAM	1	74	17.61	17.74	17.74	17.76	17.58		
15	256QAM	36	0	17.46	17.46	17.46	17.46	17.46		
15	256QAM	36	20	17.41	17.53	17.45	17.31	17.31	21	2.9
15	256QAM	36	38	17.34	17.47	17.46	17.42	17.31		
15	256QAM	75	0	17.48	17.47	17.57	17.60	17.43		
Channel				39700	40160	40620	41068	41600	Turn-up limit (dBm)	MFR (dB)
Frequency (MHz)				219.3	219.3	219.3	219.3	219.3		
10	QPSK	1	0	21.24	21.37	21.35	21.18	21.12	22	0
10	QPSK	1	25	21.24	21.37	21.35	21.18	21.12		
10	QPSK	1	50	21.24	21.37	21.35	21.18	21.12		
10	QPSK	25	0	21.18	21.17	21.38	21.27	21.11	21.9	0
10	QPSK	25	12	21.14	21.30	21.31	21.19	21.08		
10	QPSK	25	37	21.04	21.22	21.22	21.14	21.10	21.9	0
10	QPSK	50	0	20.90	20.97	21.10	20.97	20.97		
10	16QAM	1	0	20.97	21.08	21.06	21.09	21.07		
10	16QAM	1	25	20.98	21.08	21.07	21.07	21.07	21.9	0
10	16QAM	1	50	20.87	20.99	21.28	20.98	21.00		
10	16QAM	25	0	20.89	20.92	20.99	20.94	20.95		
10	16QAM	25	12	20.85	20.92	20.94	20.94	20.97		
10	16QAM	25	37	20.47	20.42	20.53	20.48	20.42	21.9	0
10	16QAM	50	0	20.44	20.47	20.44	20.42	20.51		
10	16QAM	1	0	20.80	20.76	20.84	20.88	20.80		
10	16QAM	1	25	20.73	20.67	20.75	20.73	20.72	21.9	0
10	16QAM	1	50	20.72	20.72	20.72	20.72	20.72		
10	16QAM	25	0	19.52	19.55	19.57	19.47	19.41		
10	16QAM	25	12	19.43	19.42	19.44	19.37	19.27	21	0.9
10	16QAM	25	37	19.48	19.49	19.43	19.41	19.28		
10	16QAM	50	0	19.40	19.45	19.61	19.32	19.32		
10	16QAM	1	0	17.57	17.57	17.57	17.68	17.68		
10	256QAM	1	0	17.68	17.76	17.67	17.67	17.55	19	2.9
10	256QAM	1	49	17.69	17.65	17.74	17.77	17.68		
10	256QAM	1	12	17.68	17.68	17.68	17.68	17.68		
10	256QAM	25	12	17.36	17.43	17.38	17.30	17.18	21	2.9
10	256QAM	25	37	17.67	17.41	17.47	17.38	17.23		
10	256QAM	50	0	17.52	17.42	17.42	17.40	17.41		
Channel				39675	40140	40620	41068	41665	Turn-up limit (dBm)	MFR (dB)
Frequency (MHz)				219.3	219.3	219.3	219.3	219.3		
5	QPSK	1	0	21.26	21.30	21.40	21.30	21.18	22	0
5	QPSK	1	12	21.20	21.38	21.28	21.22	21.08		
5	QPSK	1	24	21.17	21.34	21.32	21.17	21.03		
5	QPSK	12	0	21.16	21.12	21.31	21.30	21.04		
5	QPSK	12	7	21.24	21.20	21.17	21.19	21.09		
5	QPSK	25	0	21.08	21.22	21.22	21.17	21.11	21.9	0
5	QPSK	25	0	20.89	21.01	21.18	20.91	20.93		
5	16QAM	1	0	20.94	21.10	21.11	21.09	21.09		
5	16QAM	1	12	21.01	21.08	21.10	21.07	21.07	21.9	0
5	16QAM	1	24	20.83	20.98	21.23	20.95	21.00		
5	16QAM	12	0	20.85	20.99	21.09	20.94	20.95		
5	16QAM	12	7	20.92	20.96	20.92	20.91	20.97		
5	16QAM	12	13	20.77	20.97	20.46	20.61	20.98	21.9	0
5	16QAM	25	0	20.46	20.46	20.46	20.46	20.44		
5	16QAM	1	0	20.79	20.82	20.83	20.93	20.79		
5	16QAM	1	12	20.70	20.69	20.82	20.80	20.70		
5	16QAM	1	24	20.70	20.69	20.79	20.79	20.63		
5	16QAM	12	0	19.56	19.59	19.62	19.44	19.42		
5	16QAM	12	7	19.59	19.59	19.54	19.35	19.35		
5	16QAM	12	13	19.49	19.49	19.43	19.41	19.28		
5	16QAM	25	0	19.43	19.44	19.57	19.39	19.29		
5	256QAM	1	0	17.58	17.61	17.59	17.72	17.61		
5	256QAM	1	12	17.67	17.69	17.61	17.65	17.58	19	2.9
5	256QAM	1	24	17.65	17.68	17.71	17.73	17.66		
5	256QAM	12	0	17.45	17.42	17.42	17.40	17.40		
5	256QAM	12	7	17.43	17.49	17.41	17.31	17.26		
5	256QAM	12	13	17.46	17.40	17.46	17.40	17.32	21	2.9



Band 38 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel									
Frequency (MHz)				37465	38050	38150			
20	QPSK	1	0	17.10	17.25	17.20		18	0
20	QPSK	1	49	17.17	17.11	16.98			
20	QPSK	1	89	17.12	17.15	17.00			
20	QPSK	50	0	16.96	17.17	17.05			
20	QPSK	50	24	17.10	16.98	17.06		18	0
20	QPSK	50	50	17.02	16.99	16.97			
20	QPSK	100	0	16.82	16.98	16.76			
20	16QAM	1	0	16.98	16.94	16.96		18	0
20	16QAM	1	49	16.90	16.91	16.90			
20	16QAM	1	99	16.79	17.08	16.83			
20	16QAM	50	24	16.73	16.75	16.84			
20	16QAM	50	50	16.89	16.89	16.76		18	0
20	16QAM	100	0	16.85	16.88	16.77			
20	64QAM	1	0	16.90	16.87	16.71			
20	64QAM	1	49	16.86	16.86	16.87		18	0
20	64QAM	1	99	16.86	16.70	16.84			
20	64QAM	50	24	16.72	16.72	16.85			
20	64QAM	50	50	16.70	16.75	16.76		18	0
20	64QAM	100	0	16.74	16.79	16.80			
20	256QAM	1	0	16.83	16.72	16.85			
20	256QAM	1	49	16.72	16.75	16.80		18	0
20	256QAM	1	99	16.78	16.69	16.82			
20	256QAM	50	24	16.75	16.75	16.84			
20	256QAM	50	50	16.78	16.84	16.78		18	0
20	256QAM	50	50	16.80	16.89	16.89			
20	256QAM	100	0	16.80	16.80	16.80			
Channel									
Frequency (MHz)				37425	38050	38175	Tune-up limit (dBm)	MFR (dB)	
15	QPSK	1	0	17.12	17.25	17.25			
15	QPSK	1	37	17.07	16.98	16.92		18	0
15	QPSK	1	74	17.08	17.00	16.90			
15	QPSK	36	0	16.81	17.09	16.90			
15	QPSK	36	20	16.96	16.82	17.00		18	0
15	QPSK	36	36	16.85	16.75	16.81			
15	QPSK	75	0	16.79	16.83	16.84			
15	16QAM	1	0	16.88	16.79	16.90			
15	16QAM	1	37	16.81	16.89	16.86		18	0
15	16QAM	1	74	16.75	16.99	16.76			
15	16QAM	36	0	16.72	16.89	16.83			
15	16QAM	36	20	16.83	16.82	16.84		18	0
15	16QAM	36	36	16.82	16.75	16.71			
15	16QAM	75	0	16.58	16.62	16.64			
15	16QAM	75	0	16.58	16.51	16.57			
15	64QAM	1	37	16.76	16.84	16.77		18	0
15	64QAM	1	74	16.52	16.59	16.69			
15	64QAM	36	0	16.59	16.64	16.59			
15	64QAM	36	20	16.73	16.75	16.86		18	0
15	64QAM	36	36	16.68	16.76	16.66			
15	64QAM	75	0	16.53	16.59	16.72			
15	256QAM	1	0	16.53	16.61	16.77			
15	256QAM	1	37	16.59	16.60	16.60		18	0
15	256QAM	1	74	16.73	16.49	16.70			
15	256QAM	36	0	16.72	16.62	16.76			
15	256QAM	36	20	16.65	16.75	16.76		18	0
15	256QAM	36	36	16.65	16.56	16.76			
15	256QAM	75	0	16.50	16.61	16.74			
Channel									
Frequency (MHz)				25715	25715	25715	Tune-up limit (dBm)	MFR (dB)	
10	QPSK	1	0	17.01	17.01	17.01			
10	QPSK	1	25	17.09	17.01	16.97		18	0
10	QPSK	1	49	17.06	17.06	17.01			
10	QPSK	1	89	17.04	16.98	16.97			
10	QPSK	25	12	16.96	16.85	16.91		18	0
10	QPSK	25	25	16.94	16.91	16.92			
10	QPSK	25	36	16.86	16.85	16.85			
10	16QAM	1	0	16.86	16.88	16.89			
10	16QAM	1	25	16.86	16.81	16.90		18	0
10	16QAM	1	49	16.84	16.88	16.77			
10	16QAM	25	0	16.80	16.86	16.79			
10	16QAM	25	12	16.81	16.80	16.72		18	0
10	16QAM	25	25	16.75	16.79	16.87			
10	16QAM	25	36	16.75	16.79	16.87			
10	16QAM	50	0	16.51	16.63	16.68			
10	64QAM	1	0	16.80	16.80	16.80		18	0
10	64QAM	1	49	16.86	16.82	16.76			
10	64QAM	25	0	16.86	16.85	16.85			
10	64QAM	25	12	16.70	16.75	16.84		18	0
10	64QAM	25	25	16.88	16.48	16.73			
10	64QAM	50	0	16.59	16.62	16.69			
10	256QAM	1	0	16.69	16.47	16.73		18	0
10	256QAM	1	25	16.71	16.74	16.60			
10	256QAM	1	49	16.52	16.66	16.79			
10	256QAM	25	0	16.49	16.67	16.59		18	0
10	256QAM	25	12	16.60	16.57	16.63			
10	256QAM	25	25	16.55	16.60	16.64		18	0
10	256QAM	50	0	16.66	16.62	16.71			
Channel									
Frequency (MHz)				2688.5	2684.5	2687.5	Tune-up limit (dBm)	MFR (dB)	
5	QPSK	1	0	17.02	16.84	17.14	16.99	17.02	
5	QPSK	1	19	17.15	16.82	16.91	16.94	16.96	18
5	QPSK	1	24	16.97	16.83	17.04	16.99	16.96	
5	QPSK	12	0	17.03	16.87	16.96	16.93	16.76	
5	QPSK	12	7	16.97	16.82	16.95	16.90	16.90	
5	QPSK	12	13	16.88	16.89	16.92	16.89	16.71	
5	QPSK	25	0	16.79	16.53	16.74	16.69	16.69	
5	16QAM	1	0	16.95	16.76	16.79	16.68	16.89	
5	16QAM	1	12	16.73	16.79	16.80	16.63	16.83	
5	16QAM	1	24	16.92	16.74	16.97	16.86	16.72	
5	16QAM	12	0	16.53	16.59	16.72	16.67	16.72	
5	16QAM	12	7	16.58	16.48	16.71	16.40	16.56	
5	16QAM	12	13	16.60	16.70	16.74	16.60	16.60	
5	16QAM	25	0	16.53	16.47	16.73	16.63	16.61	
5	64QAM	1	0	16.65	16.42	16.69	16.56	16.56	
5	64QAM	1	12	16.51	16.62	16.79	16.60	16.81	
5	64QAM	1	24	16.62	16.69	16.63	16.71	16.60	
5	64QAM	12	0	16.60	16.42	16.69	16.56	16.56	
5	64QAM	12	7	16.67	16.48	16.62	16.40	16.51	
5	64QAM	12	13	16.66	16.42	16.73	16.67	16.51	
5	64QAM	25	0	16.54	16.40	16.76	16.60	16.70	
5	256QAM	1	0	16.62	16.55	16.79	16.67	16.68	
5	256QAM	1	12	16.74	16.73	16.65	16.61	16.57	
5	256QAM	1	24	16.50	16.62	16.65	16.60	16.67	
5	256QAM	12	0	16.58	16.69	16.62	16.69	16.65	
5	256QAM	12	7	16.57	16.61	16.74	16.62	16.58	
5	256QAM	12	13	16.59	16.62	16.64	16.52	16.68	
5	256QAM	25	0	16.71	16.51	16.65	16.63	16.58	

Band 41 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel									
Frequency (MHz)				39750	40185	40620	41055	41490	
20	QPSK	1	0	17.23	16.93	17.20	17.00	17.06	
20	QPSK	1	49	17.20	16.88	16.97	17.08	16.95	18
20	QPSK	1	99	17.11	16.97	17.11	16.97	16.99	0
20	QPSK	50	0	17.13	16.83	17.04	16.99	16.92	
20	QPSK	50	24	17.02	16.99	17.00	17.03	16.97	0
20	QPSK	50	50	17.00	16.85	16.95	16.79	16.93	
20	QPSK	100	0	16.91	16.82	16.79	16.74	16.89	
20	16QAM	1	0	17.00	16.82	16.93	16.84	16.92	
20	16QAM	1	49	16.97	16.88	16.85	16.75	16.93	
20	16QAM	1	99	17.04	16.85	16.72	16.70	16.92	
20	16QAM	50	24	16.93	16.74	16.83	16.82	16.93	
20	16QAM	50	50	16.95	16.80	16.76	16.85	16.93	
20	16QAM	100	0	16.89	16.76	16.80	16.66	16.88	
20	16QAM	100	0	16.96	16.84	16.92	16.67	16.87	
20	64QAM	1	0	16.93	16.77	16.90	16.55	16.74	
20	64QAM	1	49	16.85	16.78	16.89	16.65	16.88	
20	64QAM	1	99	16.93	16.77	16.77	16.75	16.73	
20	64QAM	50	24	16.89	16.79	16.69	16.65	16.58	
20	64QAM	50	50	16.72	16.65	16.77	16.80	16.64	
20	64QAM	100	0	16.62	16.65	16.83	16.68	16.79	
20	256QAM	1	0	16.76	16.62	16.84	16.62	16.77	
20	256QAM	1	49	16.79	16.97	16.71	16.86	16.67	
20	256QAM	1	99	16.62	16.72	16.90	16.75	16.82	
20	256QAM	50	24	16.62	16.74	16.74	16.76	16.69	
20	256QAM	50	50	16.68	16.69	16.78	16.73	16.77	18
20	256QAM	100	0	16.64	16.68	16.79	16.61	16.72	
Channel									
Frequency (MHz)				39720	40163	40620	41088	41515	
15	QPSK	1	0	17.19	16.78	17.13	17.00	16.93	
15	QPSK	1	37	17.09	16.93	16.92	17.01	16.88	18
15	QPSK	1	74	16.99	16.84	17.00	16.91	16.80	
15	QPSK	36	0	16.99	16.79	16.81	16.86	16.89	
15	QPSK	36	20	16.87	16.89	16.94	16.98	16.83	
15	QPSK	36	56	16.82	16.93	16.88	16.93	16.71	
15	QPSK	75	0	16.86	16.58	16.65	16.62	16.63	
15	16QAM	1	0	16.88	16.74	16.80	16.73	16.77	
15	16QAM	1	37	16.77	16.84	16.77	16.73	16.78	
15	16QAM	1	74	16.95	16.77	16.68	16.61	16.74	
15	16QAM	36	0	16.96	16.68	16.73	16.67	16.63	
15	16QAM	36	20	16.89	16.49	16.67	16.58	16.48	
15	16QAM	36	56	16.68	16.63	16.75	16.67	16.54	
15	16QAM	75	0	16.61	16.39	16.46	16.41	16.40	
15	64QAM	1	0	16.71	16.70	16.51	16.46	16.38	
15	64QAM	1	37	16.37	16.64	16.76	16.58	16.65	
15	64QAM	1	74	16.63	16.41	16.58	16.54	16.55	
15	64QAM	36	0	16.58	16.41	16.58	16.53	16.55	
15	64QAM	36	20	16.27	16.69	16.65	16.71	16.49	0
15	64QAM	36	56	16.40	16.50	16.57	16.71	16.48	
15	64QAM	75	0	16.51	16.51	16.79	16.57	16.66	
15	256QAM	1	0	16.59	16.54	16.64	16.57	16.58	
15	256QAM	1	37	16.73	16.69	16.67	16.58	16.56	
15	256QAM	1	74	16.49	16.54	16.86	16.63	16.73	
15	256QAM	36	0	16.52	16.56	16.68	16.65	16.63	
15	256QAM	36	20	16.63	16.58	16.68	16.58	16.66	
15	256QAM	36	56	16.56	16.59	16.67	16.46	16.61	0
15	256QAM	75	0	16.68	16.54	16.67	16.67	16.65	
Channel									
Frequency (MHz)				39700	40160	40620	41098	41540	
10	QPSK	1	0	17.11	16.78	17.14	17.00	16.93	
10	QPSK	1	25	17.05	16.83	16.92	17.04	16.90	18
10	QPSK	1	50	16.95	16.84	16.95	16.90	16.80	
10	QPSK	25	0	17.03	16.68	17.00	16.92	16.77	
10	QPSK	25	12	16.94	16.88	16.94	16.95	16.92	
10	QPSK	25	37	16.84	16.90	16.85	16.91	16.68	0
10	QPSK	50	0	16.87	16.55	16.65	16.64	16.60	
10	16QAM	1	0	16.92	16.71	16.83	16.76	16.84	
10	16QAM	1	25	16.79	16.72	16.80	16.73	16.72	
10	16QAM	1	49	16.98	16.70	16.61	16.61	16.69	
10	16QAM	25	0	16.97	16.64	16.76	16.72	16.62	
10	16QAM	25	12	16.93	16.49	16.63	16.48	16.55	
10	16QAM	25	37	16.70	16.69	16.74	16.78	16.60	
10	64QAM	1	0	16.87	16.49	16.67	16.62	16.58	
10	64QAM	1	0	16.68	16.67	16.52	16.49	16.40	
10	64QAM	1	25	16.53	16.66	16.77	16.58	16.73	18
10	64QAM	1	49	16.60	16.64	16.67	16.67	16.67	
10	64QAM	25	0	16.83	16.39	16.58	16.53	16.47	
10	64QAM	25	12	16.64	16.65	16.84	16.54	16.44	
10	64QAM	25	37	16.48	16.48	16.67	16.66	16.51	
10	64QAM	50	0	16.48	16.60	16.76	16.60	16.67	
10	64QAM	50	0	16.59	16.47	16.63	16.63	16.67	
10	256QAM	1	25	16.71	16.74	16.60	16.61	16.60	0
10	256QAM	1	49	16.62	16.66	16.78	16.70	16.71	
10	256QAM	25	0	16.64	16.67	16.80	16.63	16.64	
10	256QAM	25	12	16.82	16.87	16.63	16.60	16.68	
10	256QAM	25	37	16.60	16.60	16.64	16.47	16.68	
10	256QAM	50	0	16.69	16.62	16.75	16.65	16.68	
Channel									
Frequency (MHz)				39675 <th>40160</th> <th>40620<th>41098<th>41565</th><th></th></th></th>	40160	40620 <th>41098<th>41565</th><th></th></th>	41098 <th>41565</th> <th></th>	41565	
5	QPSK	1	0	17.16	16.84	17.14	17.00	17.00	
5	QPSK	1	12	17.15	16.82	16.91	16.94	16.85	18
5	QPSK	1	24	16.85	16.84	16.92	16.92	16.85	
5	QPSK	12	0	17.07	16.67	16.95	16.83	16.76	
5	QPSK	12	7	16.83	16.92	16.95	16.89	16.90	
5	QPSK	24	0	16.93	16.89	16.93	16.93	16.71	
5	QPSK	24	0	16.79	16.83	16.74	16.65	16.60	
5	QPSK	24	7	16.90	16.76	16.78	16.68	16.68	
5	QPSK	24	12	16.85	16.74	16.80	16.80	16.60	18
5	16QAM	1	24	16.92	16.74	16.67	16.58	16.72	
5	16QAM	1	36	16.52	16.69	16.71	16.67	16.62	
5	16QAM	12	7	16.98	16.49	16.71	16.40	16.56	
5	16QAM	12	13	16.93	16.70	16.74	16.68	16.60	
5	16QAM	24	0	16.93	16.47	16.63	16.51	16.61	
5	64QAM	1	0	16.75	16.61	16.46	16.47	16.41	
5	64QAM	1	12	16.61	16.62	16.78	16.60	16.61	
5	64QAM	1	24	16.61	16.62	16.83	16.61	16.63	
5	64QAM	12	0	16.65	16.42	16.59	16.55	16.56	
5	64QAM	12	7	16.62	16.42	16.73	16.49	16.51	
5	64QAM	24	0	16.66	16.42	16.59	16.55	16.56	18
5	64QAM	24	7	16.64	16.49	16.76	16.60	16.70	
5	256QAM	1	12	16.74	16.73	16.65	16.61	16.57	
5	256QAM	1	24	16.60	16.62	16.85	16.61	16.67	
5	256QAM	12	0	16.58	16.69	16.83	16.64	16.68	
5	256QAM	12	7	16.57	16.61	16.74	16.62	16.68	18
5	256QAM	12	13	16.59	16.62	16.64	16.52	16.69	
5	256QAM	24	0	16.71	16.65	16.66	16.65	16.68	



Full & Default Power Mode

n2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 3140500	Power Max Ch. Freq. 3140500	Power High Ch. Freq. 3140500	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	22.59	22.75	22.71		24.0	0.0
40	QPSK	1	104	22.59	22.75	22.66			
40	QPSK	1	214	22.59	22.75	22.65			
40	PSSBPSK	156	5	22.58	22.26	22.23		23.5	0.5
40	QPSK	156	54	22.53	22.75	22.65		24.0	0.0
40	PSSBPSK	168	168	22.52	22.23	22.18		23.5	0.5
40	QPSK	168	0	22.55	22.75	22.71			
40	QPSK	1	1	22.52	22.52	22.71			
40	QPSK	1	104	22.53	22.75	22.66		24.0	0.0
40	QPSK	1	214	22.53	22.75	22.65			
40	QPSK	156	5	21.57	21.82	21.80		23.0	1.0
40	QPSK	168	54	21.52	21.77	21.65		24.0	0.0
40	QPSK	168	168	21.54	21.79	21.61		23.0	1.0
40	QPSK	168	0	21.51	21.75	21.66			
40	16QAM	1	1	21.45	21.75	21.58		23.0	1.0
40	16QAM	1	1	20.74	20.58	20.34		21.5	2.5
40	16QAM	1	1	15.75	15.34	15.31		15.5	4.5
Channel									
Frequency (MHz)									
38	QPSK	1	1	22.51	22.74	22.67		24.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.55	22.65	22.63		24.0	0.0
Channel									
Frequency (MHz)									
28	QPSK	1	1	22.52	22.62	22.61		24.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.52	22.62	22.61		24.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.49	22.77	22.56		24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.48	22.75	22.61		24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.48	22.67	22.58		24.0	0.0

n5 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PSSBPSK	1	1	22.77	22.81	22.64		24.0	0.0
20	QPSK	1	5	22.55	22.77	22.77			
20	PSSBPSK	160	5	22.58	22.80	22.61			
20	QPSK	160	26	22.31	22.37	22.72		23.5	0.5
20	PSSBPSK	160	56	22.28	22.33	22.23		24.0	0.0
20	QPSK	160	0	22.28	22.70	22.23		23.5	0.5
20	QPSK	1	1	22.82	22.59	22.71			
20	QPSK	1	5	22.76	22.53	22.62		24.0	0.0
20	QPSK	1	104	22.53	22.76	22.55			
20	QPSK	160	5	21.83	21.99	21.73		23.0	1.0
20	QPSK	160	26	22.58	22.75	22.75		24.0	0.0
20	QPSK	160	56	21.80	21.83	21.54		23.0	1.0
20	QPSK	160	0	21.81	21.60	21.71			
20	16QAM	1	1	21.79	21.86	21.68		23.0	1.0
20	16QAM	1	1	20.57	20.58	20.36		21.0	2.5
20	256QAM	1	1	15.40	15.46	15.35		15.5	4.5
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.67	22.62	22.64		24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.68	22.66	22.65		24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.77	22.56	22.55		24.0	0.0

n12 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PSSBPSK	1	1	22.70	22.85	22.75		24.0	0.0
15	PSSBPSK	1	46	22.56	22.76	22.75			
15	PSSBPSK	1	77	22.58	22.76	22.67			
15	PSSBPSK	36	5	22.26	22.37	22.30		23.5	0.5
15	PSSBPSK	36	22	22.70	22.50	22.77		24.0	0.0
15	PSSBPSK	36	43	22.18	22.33	22.28		23.5	0.5
15	PSSBPSK	36	0	22.16	22.70	22.26			
15	QPSK	1	1	22.77	22.53	22.86			
15	QPSK	1	46	22.67	22.76	22.66		24.0	0.0
15	QPSK	1	77	22.63	22.77	22.67			
15	QPSK	36	5	21.77	21.84	21.80		23.0	1.0
15	QPSK	36	22	22.67	22.50	22.71		24.0	0.0
15	QPSK	36	43	21.76	21.63	21.70		23.0	1.0
15	QPSK	36	0	21.77	21.60	21.71			
15	16QAM	1	1	21.76	21.83	21.79		23.0	1.0
15	16QAM	1	1	20.38	20.46	20.36		21.0	2.5
15	16QAM	1	1	15.35	15.45	15.35		15.5	4.5
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.82	22.66	22.70		24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.69	22.88	22.85		24.0	0.0

n14 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up limit (min)	MPR (dB)	
Channel									
Frequency (MHz)									
10	PSSBPSK	1	1		22.94			24.0	0.0
10	PSSBPSK	1	26		22.95				
10	PSSBPSK	1	58		22.96				
10	PSSBPSK	25	5		22.49			23.0	0.5
10	PSSBPSK	25	14		22.48			24.0	0.0
10	PSSBPSK	25	27		22.49			23.5	0.5
10	PSSBPSK	50	0		22.47			24.0	0.0
10	QPSK	1	1		22.97				
10	QPSK	1	26		22.93			24.0	0.0
10	QPSK	1	58		22.86				
10	QPSK	25	5		22.10			23.0	1.0
10	QPSK	25	14		22.03			24.0	0.0
10	QPSK	25	27		22.08			23.0	1.0
10	QPSK	50	0		22.05			23.0	1.0
10	16QAM	1	1		22.97			23.0	1.0
10	16QAM	1	1		22.98			21.0	2.5
10	16QAM	1	1		15.08			15.5	4.5
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.99	22.93	22.90		24.0	0.0



n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.59	22.48	22.61	24.0	0.0	
40	PI2 BPSK	1	104	22.48	22.59	22.61			
40	PI2 BPSK	1	214	22.52	22.60	22.63			
40	PI2 BPSK	104	0	22.50	22.24	22.66	23.5	0.0	
40	PI2 BPSK	104	54	22.59	22.69	22.61	24.0	0.0	
40	PI2 BPSK	104	104	22.14	22.14	22.67	23.5	0.5	
40	PI2 BPSK	214	0	22.58	22.51	22.65			
40	QPSK	1	1	22.65	22.59	22.71			
40	QPSK	1	104	22.56	22.57	22.69	24.0	0.0	
40	QPSK	1	214	22.51	22.60	22.65			
40	QPSK	104	0	21.69	21.77	21.71	23.0	1.0	
40	QPSK	104	54	22.54	22.70	22.62	24.0	0.0	
40	QPSK	104	104	21.69	21.71	21.61	23.0	1.0	
40	QPSK	214	0	21.61	21.69	21.69			
40	16QAM	1	1	21.65	21.79	21.63	23.0	1.0	
40	16QAM	1	1	20.52	20.38	20.52	21.5	2.5	
40	16QAM	1	1	15.21	15.35	15.15	15.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.59	22.71	22.59	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.56	22.71	22.56	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.48	22.70	22.58	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.73	22.54	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.59	22.66	22.64	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.48	22.62	22.61	23.5	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.70	22.67	22.64	0.0	0.0	

n26 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
26	PI2 BPSK	1	1	22.22	22.25	22.23	23.6	0.0	
26	PI2 BPSK	1	54	22.19	22.18	22.14	23.6	0.0	
26	PI2 BPSK	1	104	22.18	22.14	22.09	23.6	0.0	
26	PI2 BPSK	54	0	21.69	21.70	21.70	23.5	0.1	
26	PI2 BPSK	54	26	22.36	22.35	22.28	23.5	0.0	
26	PI2 BPSK	54	54	21.76	21.77	21.79	23.5	0.1	
26	PI2 BPSK	104	0	21.62	21.61	21.74			
26	QPSK	1	1	22.35	22.28	22.36			
26	QPSK	1	54	22.37	22.24	22.36	23.6	0.0	
26	QPSK	1	104	22.18	22.15	22.06			
26	QPSK	54	0	21.53	21.59	21.59	23.0	0.6	
26	QPSK	54	26	22.25	22.25	22.22	23.0	0.0	
26	QPSK	54	54	21.29	21.28	21.34	23.0	0.6	
26	QPSK	104	0	21.56	21.69	21.21			
26	16QAM	1	1	21.24	21.30	21.25	23.0	0.6	
26	16QAM	1	1	18.89	19.01	18.90	21.5	2.1	
26	16QAM	1	1	13.84	13.95	13.79	13.5	4.1	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.30	22.24	22.23	23.6	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.31	22.25	22.24	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.52	22.51	22.51	24.0	0.0	

n66 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	22.49	22.50	22.44			
40	PI2 BPSK	1	104	22.43	22.49	22.36	24.0	0.0	
40	PI2 BPSK	1	214	22.43	22.50	22.37			
40	PI2 BPSK	104	0	22.04	22.14	21.91	23.5	0.5	
40	PI2 BPSK	104	54	22.51	22.52	22.42	24.0	0.0	
40	PI2 BPSK	104	104	22.61	22.60	21.92	23.5	0.8	
40	PI2 BPSK	214	0	22.52	22.51	21.90			
40	QPSK	1	1	22.57	22.60	22.50			
40	QPSK	1	104	22.46	22.52	22.34	24.0	0.0	
40	QPSK	1	214	22.41	22.45	22.37			
40	QPSK	104	0	21.52	21.59	21.55	23.0	1.0	
40	QPSK	104	54	22.51	22.64	22.51	24.0	0.0	
40	QPSK	104	104	21.57	21.59	21.51	23.0	1.0	
40	QPSK	214	0	21.62	21.64	21.46			
40	16QAM	1	1	21.46	21.57	21.46	23.0	1.0	
40	16QAM	1	1	20.11	20.27	20.00	21.5	2.5	
40	16QAM	1	1	15.16	15.11	15.09	15.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.43	22.50	22.40	24.0	0.0	
30	QPSK	1	1	22.43	22.50	22.40	24.0	0.0	
25	QPSK	1	1	22.43	22.50	22.40	24.0	0.0	
20	QPSK	1	1	22.43	22.50	22.40	24.0	0.0	
15	QPSK	1	1	22.43	22.50	22.33	24.0	0.0	
10	QPSK	1	1	22.46	22.45	22.39	23.5	0.0	
5	QPSK	1	1	22.48	22.50	22.37	0.0	0.0	

n70 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1		22.69				
15	PI2 BPSK	1	40		22.70		24.0	0.0	
15	PI2 BPSK	1	77		22.69				
15	PI2 BPSK	36	0		22.58		23.5	0.5	
15	PI2 BPSK	36	20		22.59		24.0	0.0	
15	PI2 BPSK	36	43		22.40		23.5	0.5	
15	PI2 BPSK	76	0		22.36				
15	QPSK	1	1		22.67				
15	QPSK	1	40		22.61		24.0	0.0	
15	QPSK	1	77		22.60				
15	QPSK	36	0		21.66		23.0	1.0	
15	QPSK	36	20		22.01		24.0	0.0	
15	QPSK	36	43		21.82		23.5	0.5	
15	QPSK	76	0		21.60				
15	QPSK	76	43		21.60				
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	
15	QPSK	76	43		21.60		23.0	1.0	
15	QPSK	76	0		21.60		23.0	1.0	

n71 Ant 0								
BSF (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Power	Power Med Ch. / Power	Power High Ch. / Power	Power-up time (dBm)	MRP (dB)
Channel				136100	136100			
Frequency (MHz)				880.5				
35	PLS-BPSK	1	1	23.15				
35	PLS-BPSK	1	35	22.92			24.0	0.0
35	PLS-BPSK	1	164	22.99				
35	PLS-BPSK	94	0	22.99			23.5	0.5
35	PLS-BPSK	94	-97	22.20			24.0	0.0
35	PLS-BPSK	94	94	22.27				
35	PLS-BPSK	164	0	22.98			23.5	0.5
35	QPSK	1	1	23.21				
35	QPSK	1	35	22.98			24.0	0.0
35	QPSK	1	164	22.92				
35	QPSK	94	0	22.21			23.5	1.0
35	QPSK	94	-97	22.75			24.0	0.0
35	QPSK	94	94	22.10				
35	QPSK	164	0	22.70			23.0	1.0
35	16QAM	1	1	22.90			23.0	1.0
35	16QAM	1	1	22.79			23.5	2.0
35	16QAM	1	1	22.70			23.5	2.5
Channel				136050	136100	136050	Power-up time (dBm)	MRP (dB)
Frequency (MHz)				878	880.5	883		
35	QPSK	1	1	23.04	23.04	23.11	24.0	0.0
Channel				136100	136100	136100	Power-up time (dBm)	MRP (dB)
Frequency (MHz)				875.5	880.5	885.5		
25	QPSK	1	1	23.12	23.07	23.08	24.0	0.0
Channel				136100	136100	136100	Power-up time (dBm)	MRP (dB)
Frequency (MHz)				23.11	881.5	886		
30	QPSK	1	1	23.11	881.5	881.8	24.0	0.0
Channel				136100	136100	136100	Power-up time (dBm)	MRP (dB)
Frequency (MHz)				23.10	881.5	886		
15	QPSK	1	1	23.11	881.09	23.11	24.0	0.0
Channel				136050	136100	136050	Power-up time (dBm)	MRP (dB)
Frequency (MHz)				880	880.5	883		
10	QPSK	1	1	23.11	23.10	23.18	24.0	0.0
Channel				136100	136100	136100	Power-up time (dBm)	MRP (dB)
Frequency (MHz)				880.5	880.5	880.5		
0	QPSK	1	1	23.08	23.08	23.10	24.0	0.0

n41 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Middle Ch. 2 Freq.	Power High Ch. 3 Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			256.01	2562.99	2640			
100	PV2 BPSK	1	1	22.74	22.89	22.80			
100	PV2 BPSK	1	137	22.76	22.79	22.84	24.0	0.0	
100	PV2 BPSK	1	271	22.73	22.82	22.82			
100	PV2 BPSK	135	0	22.40	22.40	22.42	24.0	0.0	
100	PV2 BPSK	135	69	22.81	22.91	22.95	24.0	0.0	
100	PV2 BPSK	135	138	22.27	22.37	22.41			
100	QPSK	270	0	22.23	22.41	22.30	24.0	0.0	
100	QPSK	1	1	22.88	22.96	22.96			
100	QPSK	1	137	22.70	22.81	22.85			
100	QPSK	1	271	22.74	22.74	22.74			
100	QPSK	135	0	22.65	22.67	22.80	24.0	0.0	
100	QPSK	135	69	22.81	22.90	22.86	24.0	0.0	
100	QPSK	135	138	22.62	22.65	22.76			
100	QPSK	270	0	22.63	22.63	22.74			
100	16QAM	1	1	22.65	22.68	22.76	24.0	0.0	
100	64QAM	1	1	22.63	22.70	22.79	24.0	0.0	
100	256QAM	1	1	21.34	21.52	21.44	22.5	1.5	
Channel									
	Frequency (MHz)			2561	2562.99	2644.08			
90	QPSK	1	1	22.76	22.86	22.88	24.0	0.0	
Channel									
	Frequency (MHz)			507.024	5189.68	5299.98			
80	QPSK	1	1	22.80	22.80	22.83	24.0	0.0	
80	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel									
	Frequency (MHz)			506.002	5189.68	5310.00			
70	QPSK	1	1	23.01	23.02	23.05	24.0	0.0	
70	QPSK	1	1	22.81	22.81	22.89	24.0	0.0	
Channel									
	Frequency (MHz)			505.000	5189.68	5319.98			
60	QPSK	1	1	22.79	22.88	22.88	24.0	0.0	
60	QPSK	1	1	22.80	22.80	22.89	24.0	0.0	
Channel									
	Frequency (MHz)			504.000	5189.68	5334.98			
50	QPSK	1	1	22.79	22.89	22.88	24.0	0.0	
50	QPSK	1	1	22.71	22.88	22.85	24.0	0.0	
Channel									
	Frequency (MHz)			503.002	5189.68	5340.00			
40	QPSK	1	1	22.61	22.62	22.70	24.0	0.0	
40	QPSK	1	1	22.62	22.61	22.80	24.0	0.0	
Channel									
	Frequency (MHz)			501.750	5192.99	2674.49			
35	QPSK	1	1	22.72	22.86	22.80	0.0	0.0	
Channel									
	Frequency (MHz)			25.11	2662.99	2674.08			
30	QPSK	1	1	22.79	22.86	22.83	24.0	0.0	
Channel									
	Frequency (MHz)			501.702	5189.68	5355.00			
25	QPSK	1	1	22.72	22.86	22.87	24.0	0.0	
25	QPSK	1	1	22.63	22.89	22.79	0.0	0.0	
Channel									
	Frequency (MHz)			501.204	5189.68	5369.98			
20	QPSK	1	1	22.72	22.88	22.87	24.0	0.0	
Channel									
	Frequency (MHz)			25.055	2662.99	2682.48			
15	QPSK	1	1	22.76	22.92	22.86	24.0	0.0	
Channel									
	Frequency (MHz)			500.202	5189.68	5370.00			
10	QPSK	1	1	22.78	22.93	22.86	24.0	0.0	

n41 PC2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power/Mod. 500002	Power/Mod. 519998	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)
Channel									
	Frequency (MHz)			2546.01	2592.59	2640			
100	PV2 BPSK	1	1	24.44	24.44	24.44			
100	PV2 BPSK	1	137	24.37	24.37	24.34	24.36	26.0	0.0
100	PV2 BPSK	1	271	24.32	24.34	24.31			
100	PV2 BPSK	135	0	23.93	23.97	23.92	25.5	25.5	0.5
100	PV2 BPSK	135	69	24.56	24.56	24.52	26.0	26.0	0.0
100	PV2 BPSK	135	138	23.98	23.98	23.94	25.98	25.98	0.0
100	PV2 BPSK	270	0	23.97	24.03	23.95			
100	QPSK	1	1	24.56	24.63	24.60			
100	QPSK	1	137	24.43	24.48	24.44	26.0	26.0	0.0
100	QPSK	1	271	24.39	24.39	24.29			
100	QPSK	135	0	23.97	23.93	23.91	25.5	25.5	1.0
100	QPSK	135	69	24.37	24.41	24.38	26.0	26.0	0.0
100	QPSK	135	138	23.51	23.50	23.49	25.0	25.0	0.0
100	QPSK	270	0	23.53	23.55	23.44			
100	16QAM	1	1	23.48	23.44	23.48	25.0	25.0	1.0
100	16QAM	1	1	22.17	22.16	22.10	23.5	23.5	2.5
100	256QAM	1	1	20.08	20.08	20.06	21.5	21.5	4.5
Channel									
	Frequency (MHz)			2541	2592.59	2644.08			
90	QPSK	1	1	24.37	24.55	24.34	26.0	26.0	0.0
Channel									
	Frequency (MHz)			507.024	518698	529998		Turn-up limit (dBm)	MPR (dB)
80	QPSK	1	1	24.51	24.51	24.49			
80	QPSK	1	1	24.43	24.45	24.36	26.0	26.0	0.0
Channel									
	Frequency (MHz)			506.002	518698	531000		Turn-up limit (dBm)	MPR (dB)
70	QPSK	1	1	25.31	25.31	25.65			
70	QPSK	1	1	24.40	24.40	24.44	26.0	26.0	0.0
Channel									
	Frequency (MHz)			2526	2562.59	2609.98			
60	QPSK	1	1	24.39	24.46	24.36	26.0	26.0	0.0
60	QPSK	1	1	24.51	24.51	24.50	26.0	26.0	0.0
60	QPSK	1	1	25.12	25.02	25.04	26.0	26.0	0.0
60	QPSK	1	1	24.41	24.40	24.31	26.0	26.0	0.0
Channel									
	Frequency (MHz)			507.000	518698	533498		Turn-up limit (dBm)	MPR (dB)
50	QPSK	1	1	25.06	25.06	25.48			
50	QPSK	1	1	24.40	24.56	24.35	26.0	26.0	0.0
Channel									
	Frequency (MHz)			506.002	518698	534000		Turn-up limit (dBm)	MPR (dB)
40	QPSK	1	1	25.16	25.17	25.02	26.0	26.0	0.0
40	QPSK	1	1	24.43	24.53	24.40	26.0	26.0	0.0
Channel									
	Frequency (MHz)			2515.30	2592.59	2672.49		Turn-up limit (dBm)	MPR (dB)
35	QPSK	1	1	24.35	24.57	24.29	26.0	26.0	0.0
Channel									
	Frequency (MHz)			506.000	518698	534998		Turn-up limit (dBm)	MPR (dB)
30	QPSK	1	1	24.11	24.02	23.93	26.0	26.0	0.0
30	QPSK	1	1	25.02	518698	535500		Turn-up limit (dBm)	MPR (dB)
25	QPSK	1	1	25.09	25.09	25.72	26.0	26.0	0.0
25	QPSK	1	1	24.37	24.43	24.32	26.0	26.0	0.0
Channel									
	Frequency (MHz)			507.024	518698	530998		Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.06	25.02	26.79			
20	QPSK	1	1	24.44	24.48	24.36	26.0	26.0	0.0
20	QPSK	1	1	25.02	518698	534998		Turn-up limit (dBm)	MPR (dB)
20	QPSK	1	1	25.05	25.02	26.82	26.0	26.0	0.0
15	QPSK	1	1	24.40	24.51	24.40	26.0	26.0	0.0
Channel									
	Frequency (MHz)			506.002	518698	537000		Turn-up limit (dBm)	MPR (dB)
10	QPSK	1	1	24.50	24.50	24.48			
10	QPSK	1	1	24.37	24.49	24.34	26.0	26.0	0.0

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RF Chain	Module	RF Size	RF Chof	Power Class	Power Type	Power Class	Power Type	Power Type	Power Type
01	RF Power	1	1	23.20	23.24	23.27	23.28	24.0	0.0
01	Frequency (MHz)	1	1	23.20	23.24	23.27	23.28	24.0	0.0
01	RF Power	1	214	22.42	22.42	22.42	22.42	23.5	0.1
01	Frequency (MHz)	1	214	22.42	22.42	22.42	22.42	23.5	0.1
01	RF Power	100	54	22.52	22.54	22.52	22.54	24.0	0.0
01	Frequency (MHz)	100	54	22.52	22.54	22.52	22.54	24.0	0.0
01	RF Power	214	0	21.80	21.80	21.80	21.80	23.5	0.1
01	Frequency (MHz)	214	0	21.80	21.80	21.80	21.80	23.5	0.1
01	RF Power	1	100	22.40	22.42	22.42	22.42	24.0	0.0
01	Frequency (MHz)	1	100	22.40	22.42	22.42	22.42	24.0	0.0
01	RF Power	100	20	21.58	21.58	21.57	21.57	23.0	1.0
01	Frequency (MHz)	100	20	21.58	21.58	21.57	21.57	23.0	1.0
01	RF Power	100	204	22.44	22.42	22.42	22.42	24.0	0.0
01	Frequency (MHz)	100	204	22.44	22.42	22.42	22.42	24.0	0.0
01	RF Power	214	0	21.52	21.52	21.52	21.52	23.0	1.0
01	Frequency (MHz)	214	0	21.52	21.52	21.52	21.52	23.0	1.0
01	RF Power	1	0	20.10	20.12	20.12	20.12	21.5	2.5
01	Frequency (MHz)	1	0	20.10	20.12	20.12	20.12	21.5	2.5
01	RF Power	100	0	20.10	20.12	20.12	20.12	21.5	2.5
01	Frequency (MHz)	100	0	20.10	20.12	20.12	20.12	21.5	2.5
10	RF Power	1	1	22.48	22.48	22.41	22.41	24.0	0.0
10	Frequency (MHz)	1	1	22.48	22.48	22.41	22.41	24.0	0.0
10	RF Power	100	0	22.48	22.48	22.41	22.41	24.0	0.0
10	Frequency (MHz)	100	0	22.48	22.48	22.41	22.41	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	RF Power	100	0	22.42	22.42	22.37	22.37	24.0	0.0
10	Frequency (MHz)	100	0						

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RF (MHz)	Modulation	RF Size	RF Offset	Power Low Ch. 1 (FHz)	Power Mid Ch. 1 (FHz)	Power High Ch. 1 (FHz)	Tuning Ref (MHz)	MPE (dB)
Channel								
Frequency (MHz)								
40	Phy 8PSK	1	0	22.40	22.50	22.60		
40	Phy 8PSK	1	100	22.50	22.60	22.70	24.0	0.0
40	Phy 8PSK	1	200	22.60	22.70	22.80		
40	Phy 8PSK	1	300	22.70	22.80	22.90	23.5	0.5
40	Phy 8PSK	1	400	22.80	22.90	23.00	24.0	0.0
40	Phy 8PSK	1	500	22.90	23.00	23.10	23.5	0.5
40	Phy 8PSK	1	600	23.00	23.10	23.20	24.0	0.0
40	Phy 8PSK	1	700	23.10	23.20	23.30	23.5	0.5
40	Phy 8PSK	1	800	23.20	23.30	23.40	24.0	0.0
40	Phy 8PSK	1	900	23.30	23.40	23.50	23.5	0.5
40	Phy 8PSK	1	1000	23.40	23.50	23.60	24.0	0.0
40	Phy 8PSK	1	1100	23.50	23.60	23.70	23.5	0.5
40	Phy 8PSK	1	1200	23.60	23.70	23.80	24.0	0.0
40	Phy 8PSK	1	1300	23.70	23.80	23.90	23.5	0.5
40	Phy 8PSK	1	1400	23.80	23.90	24.00	24.0	0.0
40	Phy 8PSK	1	1500	23.90	24.00	24.10	23.5	0.5
40	Phy 8PSK	1	1600	24.00	24.10	24.20	24.0	0.0
40	Phy 8PSK	1	1700	24.10	24.20	24.30	23.5	0.5
40	Phy 8PSK	1	1800	24.20	24.30	24.40	24.0	0.0
40	Phy 8PSK	1	1900	24.30	24.40	24.50	23.5	0.5
40	Phy 8PSK	1	2000	24.40	24.50	24.60	24.0	0.0
40	Phy 8PSK	1	2100	24.50	24.60	24.70	23.5	0.5
40	Phy 8PSK	1	2200	24.60	24.70	24.80	24.0	0.0
40	Phy 8PSK	1	2300	24.70	24.80	24.90	23.5	0.5
40	Phy 8PSK	1	2400	24.80	24.90	25.00	24.0	0.0
40	Phy 8PSK	1	2500	24.90	25.00	25.10	23.5	0.5
40	Phy 8PSK	1	2600	25.00	25.10	25.20	24.0	0.0
40	Phy 8PSK	1	2700	25.10	25.20	25.30	23.5	0.5
40	Phy 8PSK	1	2800	25.20	25.30	25.40	24.0	0.0
40	Phy 8PSK	1	2900	25.30	25.40	25.50	23.5	0.5
40	Phy 8PSK	1	3000	25.40	25.50	25.60	24.0	0.0
40	Phy 8PSK	1	3100	25.50	25.60	25.70	23.5	0.5
40	Phy 8PSK	1	3200	25.60	25.70	25.80	24.0	0.0
40	Phy 8PSK	1	3300	25.70	25.80	25.90	23.5	0.5
40	Phy 8PSK	1	3400	25.80	25.90	26.00	24.0	0.0
40	Phy 8PSK	1	3500	25.90	26.00	26.10	23.5	0.5
40	Phy 8PSK	1	3600	26.00	26.10	26.20	24.0	0.0
40	Phy 8PSK	1	3700	26.10	26.20	26.30	23.5	0.5
40	Phy 8PSK	1	3800	26.20	26.30	26.40	24.0	0.0
40	Phy 8PSK	1	3900	26.30	26.40	26.50	23.5	0.5
40	Phy 8PSK	1	4000	26.40	26.50	26.60	24.0	0.0
40	Phy 8PSK	1	4100	26.50	26.60	26.70	23.5	0.5
40	Phy 8PSK	1	4200	26.60	26.70	26.80	24.0	0.0
40	Phy 8PSK	1	4300	26.70	26.80	26.90	23.5	0.5
40	Phy 8PSK	1	4400	26.80	26.90	27.00	24.0	0.0
40	Phy 8PSK	1	4500	26.90	27.00	27.10	23.5	0.5
40	Phy 8PSK	1	4600	27.00	27.10	27.20	24.0	0.0
40	Phy 8PSK	1	4700	27.10	27.20	27.30	23.5	0.5
40	Phy 8PSK	1	4800	27.20	27.30	27.40	24.0	0.0
40	Phy 8PSK	1	4900	27.30	27.40	27.50	23.5	0.5
40	Phy 8PSK	1	5000	27.40	27.50	27.60	24.0	0.0
40	Phy 8PSK	1	5100	27.50	27.60	27.70	23.5	0.5
40	Phy 8PSK	1	5200	27.60	27.70	27.80	24.0	0.0
40	Phy 8PSK	1	5300	27.70	27.80	27.90	23.5	0.5
40	Phy 8PSK	1	5400	27.80	27.90	28.00	24.0	0.0
40	Phy 8PSK	1	5500	27.90	28.00	28.10	23.5	0.5
40	Phy 8PSK	1	5600	28.00	28.10	28.20	24.0	0.0
40	Phy 8PSK	1	5700	28.10	28.20	28.30	23.5	0.5
40	Phy 8PSK	1	5800	28.20	28.30	28.40	24.0	0.0
40	Phy 8PSK	1	5900	28.30	28.40	28.50	23.5	0.5
40	Phy 8PSK	1	6000	28.40	28.50	28.60	24.0	0.0
40	Phy 8PSK	1	6100	28.50	28.60	28.70	23.5	0.5
40	Phy 8PSK	1	6200	28.60	28.70	28.80	24.0	0.0
40	Phy 8PSK	1	6300	28.70	28.80	28.90	23.5	0.5
40	Phy 8PSK	1	6400	28.80	28.90	29.00	24.0	0.0
40	Phy 8PSK	1	6500	28.90	29.00	29.10	23.5	0.5
40	Phy 8PSK	1	6600	29.00	29.10	29.20	24.0	0.0
40	Phy 8PSK	1	6700	29.10	29.20	29.30	23.5	0.5
40	Phy 8PSK	1	6800	29.20	29.30	29.40	24.0	0.0
40	Phy 8PSK	1	6900	29.30	29.40	29.50	23.5	0.5
40	Phy 8PSK	1	7000	29.40	29.50	29.60	24.0	0.0
40	Phy 8PSK	1	7100	29.50	29.60	29.70	23.5	0.5
40	Phy 8PSK	1	7200	29.60	29.70	29.80	24.0	0.0
40	Phy 8PSK	1	7300	29.70	29.80	29.90	23.5	0.5
40	Phy 8PSK	1	7400	29.80	29.90	30.00	24.0	0.0
40	Phy 8PSK	1	7500	29.90	30.00	30.10	23.5	0.5
40	Phy 8PSK	1	7600	30.00	30.10	30.20	24.0	0.0
40	Phy 8PSK	1	7700	30.10	30.20	30.30	23.5	0.5
40	Phy 8PSK	1	7800	30.20	30.30	30.40	24.0	0.0
40	Phy 8PSK	1	7900	30.30	30.40	30.50	23.5	0.5
40	Phy 8PSK	1	8000	30.40	30.50	30.60	24.0	0.0
40	Phy 8PSK	1	8100	30.50	30.60	30.70	23.5	0.5
40	Phy 8PSK	1	8200	30.60	30.70	30.80	24.0	0.0
40	Phy 8PSK	1	8300	30.70	30.80	30.90	23.5	0.5
40	Phy 8PSK	1	8400	30.80	30.90	31.00	24.0	0.0
40	Phy 8PSK	1	8500	30.90	31.00	31.10	23.5	0.5
40	Phy 8PSK	1	8600	31.00	31.10	31.20	24.0	0.0
40	Phy 8PSK	1	8700	31.10	31.20	31.30	23.5	0.5
40	Phy 8PSK	1	8800	31.20	31.30	31.40	24.0	0.0
40	Phy 8PSK	1	8900	31.30	31.40	31.50	23.5	0.5
40	Phy 8PSK	1	9000	31.40	31.50	31.60	24.0	0.0
40	Phy 8PSK	1	9100	31.50	31.60	31.70	23.5	0.5
40	Phy 8PSK	1	9200	31.60	31.70	31.80	24.0	0.0
40	Phy 8PSK	1	9300	31.70	31.80	31.90	23.5	0.5
40	Phy 8PSK	1	9400	31.80	31.90	32.00	24.0	0.0
40	Phy 8PSK	1	9500	31.90	32.00	32.10	23.5	0.5
40	Phy 8PSK	1	9600	32.00	32.10	32.20	24.0	0.0
40	Phy 8PSK	1	9700	32.10	32.20	32.30	23.5	0.5
40	Phy 8PSK	1	9800	32.20	32.30	32.40	24.0	0.0
40	Phy 8PSK	1	9900	32.30	32.40	32.50	23.5	0.5
40	Phy 8PSK	1	10000	32.40	32.50	32.60	24.0	0.0
40	Phy 8PSK	1	10100	32.50	32.60	32.70	23.5	0.5
40	Phy 8PSK	1	10200	32.60	32.70	32.80	24.0	0.0
40	Phy 8PSK	1	10300	32.70	32.80	32.90	23.5	0.5
40	Phy 8PSK	1	10400	32.80	32.90	33.00	24.0	0.0
40	Phy 8PSK	1	10500	32.90	33.00	33.10	23.5	0.5
40	Phy 8PSK	1	10600	33.00	33.10	33.20	24.0	0.0
40	Phy 8PSK	1	10700	33.10	33.20	33.30	23.5	0.5
40	Phy 8PSK	1	10800	33.20	33.30	33.40	24.0	0.0
40	Phy 8PSK	1	10900	33.30	33.40	33.50	23.5	0.5
40	Phy 8PSK	1	11000	33.40	33.50	33.60	24.0	0.0
40	Phy 8PSK	1	11100	33.50	33.60	33.70	23.5	0.5
40	Phy 8PSK	1	11200	33.60	33.70	33.80	24.0	0.0
40	Phy 8PSK	1	11300	33.70	33.80	33.90	23.5	0.5
40	Phy 8PSK	1	11400	33.80	33.90	34.00	24.0	0.0
40	Phy 8PSK	1	11500	33.90	34.00	34.10	23.5	0.5
40	Phy 8PSK	1	11600	34.00	34.10	34.20	24.0	0.0
40	Phy 8PSK	1	11700	34.10	34.20	34.30	23.5	0.5
40	Phy 8PSK	1	11800	34.20	34.30	34.40	24.0	0.0
40	Phy 8PSK	1	11900	34.30	34.40	34.50	23.5	0.5
40	Phy 8PSK	1	12000	34.40	34.50	34.60	24.0	0.0
40	Phy 8PSK	1	12100	34.50	34.60	34.70	23.5	0.5
40	Phy 8PSK	1	12200	34.60	34.70	34.80	24.0	0.0
40	Phy 8PSK	1	12300	34.70	34.80	34.90	23.5	0.5
40	Phy 8PSK	1	12400	34.80	34.90	35.00	24.0	0.0
40	Phy 8PSK	1	12500	34.90	35.00	35.10	23.5	0.5
40	Phy 8PSK	1	12600	35.00	35.10	35.20	24.0	0.0
40	Phy 8PSK	1	12700	35.10	35.20	35.30	23.5	0.5
40	Phy 8PSK	1	12800	35.20	35.30	35.40	24.0	0.0
40	Phy 8PSK	1	12900	35.30	35.40	35.50	23.5	0.5
40	Phy 8PSK	1	13000	35.40	35.50	35.60	24.0	0.0
40	Phy 8PSK	1	13100	35.50	35.60	35.70	23.5	0.5
40	Phy 8PSK	1	13200	35.60	35.70	35.80	24.0	0.0
40	Phy 8PSK	1	13300	35.70	35.80	35.90	23.5	0.5
40	Phy 8PSK	1	13400	35.80	35.90	36.00	24.0	0.0
40	Phy 8PSK	1	13500	35.90	36.00	36.10	23.5	0.5
40	Phy 8PSK	1	13600	36.00	36.10	36.20	24.0	0.0
40	Phy 8PSK	1	13700	36.10	36.20	36.30	23.5	0.5
40	Phy 8PSK	1	13800	36.20	36.30	36.40	24.0	0.0
40	Phy 8PSK	1	13900	36.30	36.40	36.50	23.5	0.5
40	Phy 8PSK	1	14000	36.40	36.50	36.60	24.0	0.0
40	Phy 8PSK	1	14100	36.50	36.60	36.70	23.5	0.5
40	Phy 8PSK							

n71 Ant 1									
RF (MHz)	Modulation	RF Type	RF Chn	Power Level Chn (dBm)	Antenna Type (Wavelength)	Power Level Antenna (dBm)	Power Level Antenna (dBm)	Power Level Antenna (dBm)	Power Level Antenna (dBm)
Frequency Channel									
25	Frequency	1	1	23.35					
25	Frequency	1	2	23.35				24.0	0.4
25	Frequency	1	3	23.34				23.5	0.5
25	Frequency	1	4	23.34				23.0	0.5
25	Frequency	1	5	23.33				22.5	0.5
25	Frequency	1	6	23.32				22.0	0.5
25	Frequency	1	7	23.31				21.5	0.5
25	Frequency	1	8	23.30				21.0	0.4
25	Frequency	1	9	23.29				20.5	0.4
25	Frequency	1	10	23.28				20.0	0.4
25	Frequency	1	11	23.27				19.5	0.4
25	Frequency	1	12	23.26				19.0	0.4
25	Frequency	1	13	23.25				18.5	0.4
25	Frequency	1	14	23.24				18.0	0.4
25	Frequency	1	15	23.23				17.5	0.4
25	Frequency	1	16	23.22				17.0	0.4
25	Frequency	1	17	23.21				16.5	0.4
25	Frequency	1	18	23.20				16.0	0.4
25	Frequency	1	19	23.19				15.5	0.4
25	Frequency	1	20	23.18				15.0	0.4
Power Level Channel									
25	Power Level	1	1	23.35	23.35	23.35	23.35	23.35	23.35
25	Power Level	1	2	23.35	23.35	23.35	23.35	23.35	23.35
25	Power Level	1	3	23.34	23.34	23.34	23.34	23.34	23.34
25	Power Level	1	4	23.34	23.34	23.34	23.34	23.34	23.34
25	Power Level	1	5	23.33	23.33	23.33	23.33	23.33	23.33
25	Power Level	1	6	23.32	23.32	23.32	23.32	23.32	23.32
25	Power Level	1	7	23.31	23.31	23.31	23.31	23.31	23.31
25	Power Level	1	8	23.30	23.30	23.30	23.30	23.30	23.30
25	Power Level	1	9	23.29	23.29	23.29	23.29	23.29	23.29
25	Power Level	1	10	23.28	23.28	23.28	23.28	23.28	23.28
25	Power Level	1	11	23.27	23.27	23.27	23.27	23.27	23.27
25	Power Level	1	12	23.26	23.26	23.26	23.26	23.26	23.26
25	Power Level	1	13	23.25	23.25	23.25	23.25	23.25	23.25
25	Power Level	1	14	23.24	23.24	23.24	23.24	23.24	23.24
25	Power Level	1	15	23.23	23.23	23.23	23.23	23.23	23.23
25	Power Level	1	16	23.22	23.22	23.22	23.22	23.22	23.22
25	Power Level	1	17	23.21	23.21	23.21	23.21	23.21	23.21
25	Power Level	1	18	23.20	23.20	23.20	23.20	23.20	23.20
25	Power Level	1	19	23.19	23.19	23.19	23.19	23.19	23.19
25	Power Level	1	20	23.18	23.18	23.18	23.18	23.18	23.18
Power Level Antenna									
25	Power Level	1	1	23.35	23.35	23.35	23.35	23.35	23.35
25	Power Level	1	2	23.35	23.35	23.35	23.35	23.35	23.35
25	Power Level	1	3	23.34	23.34	23.34	23.34	23.34	23.34
25	Power Level	1	4	23.34	23.34	23.34	23.34	23.34	23.34
25	Power Level	1	5	23.33	23.33	23.33	23.33	23.33	23.33
25	Power Level	1	6	23.32	23.32	23.32	23.32	23.32	23.32
25	Power Level	1	7	23.31	23.31	23.31	23.31	23.31	23.31
25	Power Level	1	8	23.30	23.30	23.30	23.30	23.30	23.30
25	Power Level	1	9	23.29	23.29	23.29	23.29	23.29	23.29
25	Power Level	1	10	23.28	23.28	23.28	23.28	23.28	23.28
25	Power Level	1	11	23.27	23.27	23.27	23.27	23.27	23.27
25	Power Level	1	12	23.26	23.26	23.26	23.26	23.26	23.26
25	Power Level	1	13	23.25	23.25	23.25	23.25	23.25	23.25
25	Power Level	1	14	23.24	23.24	23.24	23.24	23.24	23.24
25	Power Level	1	15	23.23	23.23	23.23	23.23	23.23	23.23
25	Power Level	1	16	23.22	23.22	23.22	23.22	23.22	23.22
25	Power Level	1	17	23.21	23.21	23.21	23.21	23.21	23.21
25	Power Level	1	18	23.20	23.20	23.20	23.20	23.20	23.20
25	Power Level	1	19	23.19	23.19	23.19	23.19	23.19	23.19
25	Power Level	1	20	23.18	23.18	23.18	23.18	23.18	23.18
25	Power Level	1	21	23.17	23.17	23.17	23.17	23.17	23.17
25	Power Level	1	22	23.16	23.16	23.16	23.16	23.16	23.16
25	Power Level	1	23	23.15	23.15	23.15	23.15	23.15	23.15
25	Power Level	1	24	23.14	23.14	23.14	23.14	23.14	23.14
25	Power Level	1	25	23.13	23.13	23.13	23.13	23.13	23.13
25	Power Level	1	26	23.12	23.12	23.12	23.12	23.12	23.12
25	Power Level	1	27	23.11	23.11	23.11	23.11	23.11	23.11
25	Power Level	1	28	23.10	23.10	23.10	23.10	23.10	23.10
25	Power Level	1	29	23.09	23.09	23.09	23.09	23.09	23.09
25	Power Level	1	30	23.08	23.08	23.08	23.08	23.08	23.08
25	Power Level	1	31	23.07	23.07	23.07	23.07	23.07	23.07
25	Power Level	1	32	23.06	23.06	23.06	23.06	23.06	23.06
25	Power Level	1	33	23.05	23.05	23.05	23.05	23.05	23.05
25	Power Level	1	34	23.04	23.04	23.04	23.04	23.04	23.04
25	Power Level	1	35	23.03	23.03	23.03	23.03	23.03	23.03
25	Power Level	1	36	23.02	23.02	23.02	23.02	23.02	23.02
25	Power Level	1	37	23.01	23.01	23.01	23.01	23.01	23.01
25	Power Level	1	38	23.00	23.00	23.00	23.00	23.00	23.00
25	Power Level	1	39	22.99	22.99	22.99	22.99	22.99	22.99
25	Power Level	1	40	22.98	22.98	22.98	22.98	22.98	22.98
25	Power Level	1	41	22.97	22.97	22.97	22.97	22.97	22.97
25	Power Level	1	42	22.96	22.96	22.96	22.96	22.96	22.96
25	Power Level	1	43	22.95	22.95	22.95	22.95	22.95	22.95
25	Power Level	1	44	22.94	22.94	22.94	22.94	22.94	22.94
25	Power Level	1	45	22.93	22.93	22.93	22.93	22.93	22.93
25	Power Level	1	46	22.92	22.92	22.92	22.92	22.92	22.92
25	Power Level	1	47	22.91	22.91	22.91	22.91	22.91	22.91
25	Power Level	1	48	22.90	22.90	22.90	22.90	22.90	22.90
25	Power Level	1	49	22.89	22.89	22.89	22.89	22.89	22.89
25	Power Level	1	50	22.88	22.88	22.88	22.88	22.88	22.88
25	Power Level	1	51	22.87	22.87	22.87	22.87	22.87	22.87
25	Power Level	1	52	22.86	22.86	22.86	22.86	22.86	22.86
25	Power Level	1	53	22.85	22.85	22.85	22.85	22.85	22.85
25	Power Level	1	54	22.84	22.84	22.84	22.84	22.84	22.84
25	Power Level	1	55	22.83	22.83	22.83	22.83	22.83	22.83
25	Power Level	1	56	22.82	22.82	22.82	22.82	22.82	22.82
25	Power Level	1	57	22.81	22.81	22.81	22.81	22.81	22.81
25	Power Level	1	58	22.80	22.80	22.80	22.80	22.80	22.80
25	Power Level	1	59	22.79	22.79	22.79	22.79	22.79	22.79
25	Power Level	1	60	22.78	22.78	22.78	22.78	22.78	22.78
25	Power Level	1	61	22.77	22.77	22.77	22.77	22.77	22.77
25	Power Level	1	62	22.76	22.76	22.76	22.76	22.76	22.76
25	Power Level	1	63	22.75	22.75	22.75	22.75	22.75	22.75
25	Power Level	1	64	22.74	22.74	22.74	22.74	22.74	22.74
25	Power Level	1	65	22.73	22.73	22.73	22.73	22.73	22.73
25	Power Level	1	66	22.72	22.72	22.72	22.72	22.72	22.72
25	Power Level	1	67	22.71	22.71	22.71	22.71	22.71	22.71
25	Power Level	1	68	22.70	22.70	22.70	22.70	22.70	22.70
25	Power Level	1	69	22.69	22.69	22.69	22.69	22.69	22.69
25	Power Level	1	70	22.68	22.68	22.68	22.68	22.68	22.68
25	Power Level	1	71	22.67	22.67	22.67	22.67	22.67	22.67
25	Power Level	1	72	22.66	22.66	22.66	22.66	22.66	22.66
25	Power Level	1	73	22.65	22.65	22.65	22.65	22.65	22.65
25	Power Level	1	74	22.64	22.64	22.64	22.64	22.64	22.64
25	Power Level	1	75	22.63	22.63	22.63	22.63	22.63	22.63
25	Power Level	1	76	22.62	22.62	22.62	22.62	22.62	22.62
25	Power Level	1	77	22.61	22.61	22.61	22.61	22.61	22.61
25	Power Level	1	78	22.60	22.60	22.60	22.60	22.60	22.60
25	Power Level	1	79	22.59	22.59	22.59	22.59	22.59	22.59
25	Power Level	1	80	22.58	22.58	22.58	22.58	22.58	22.58
25	Power Level	1	81	22.57	22.57	22.57	22.57	22.57	22.57
25	Power Level	1	82	22.56	22.56	22.56	22.56	22.56	22.56
25	Power Level	1	83	22.55	22.55	22.55	22.55	22.55	22.55
25	Power Level	1	84	22.54	22.54	22.54	22.54	22.54	22.54
25	Power Level	1	85	22.53	22.53	22.53	22.53	22.53	22.53
25	Power Level	1	86	22.52	22.52	22.52	22.52	22.52	22.52
25	Power Level	1	87	22.51	22.51	22.51	22.51	22.51	22.51
25	Power Level	1	88	22.50	22.50	22.50	22.50	22.50	22.50
25	Power Level	1	89	22.49	22.49	22.49	22.49	22.49	22.49
25	Power Level	1	90	22.48	22.48	22.48	22.48	22.48	22.48
25	Power Level	1	91	22.47	22.47	22.47	22.47	22.47	22.47
25	Power Level	1	92	22.46	22.46	22.46	22.46	22.46	22.46
25	Power Level	1	93	22.45	22.45	22.45	22.45	22.45	22.45
25	Power Level	1	94	22.44	22.44	22.44	22.44	22.44	22.44
25	Power Level	1	95	22.43	22.43	22.43	22.43	22.43	22.43
25	Power Level	1	96	22.42	22.42	22.42	22.42	22.42	22.42
25	Power Level	1	97	22.41	22.41	22.41	22.41	22.41	22.41
25	Power Level	1	98	22.40	22.40	22.40	22.40	22.40	22.40
25	Power Level	1	99	22.39	22.39	22.39	22.39	22.39	22.39
25	Power Level								



n38 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				518004	518000	519998			
Frequency (MHz)				2580.02	2595	2599.98			
40	PV2 BPSK	1	1	22.93	23.03	22.80	24.0	0.0	
40	PV2 BPSK	1	53	22.83	22.92	22.79			
40	PV2 BPSK	1	104	22.87	22.98	22.81			
40	PV2 BPSK	50	0	22.45	22.55	22.45	23.5	0.5	
40	PV2 BPSK	50	28	22.98	23.05	22.89	24.0	0.0	
40	PV2 BPSK	50	58	22.43	22.58	22.32	23.5	0.5	
40	PV2 BPSK	100	0	22.40	22.52	22.35	24.0	0.0	
40	QPSK	1	1	23.02	23.08	22.92			
40	QPSK	1	53	22.92	23.04	22.80			
40	QPSK	1	104	22.88	22.88	22.81	23.0	1.0	
40	QPSK	50	0	22.07	22.16	22.01			
40	QPSK	50	28	22.87	23.04	22.81			
40	QPSK	50	58	21.87	22.08	21.91	23.0	1.0	
40	QPSK	100	0	21.86	22.07	21.91	23.0	1.0	
40	16QAM	1	1	21.93	22.03	21.90			
40	64QAM	1	1	20.56	20.66	20.48		2.5	
40	256QAM	1	1	18.55	18.72	18.52	19.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.91	22.92	22.85	24.0	0.0	
Channel				516504	518000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.88	22.94	22.87	24.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.91	22.99	22.85	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2617.51	2595	2612.49			
15	QPSK	1	1	22.92	23.02	22.84	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2675.02	2595	2614.98			
10	QPSK	1	1	22.93	22.94	22.78	24.0	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				509202	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	22.92	23.06	23.09	24.0	0.0	
100	PV2 BPSK	1	137	22.80	23.08	22.94			
100	PV2 BPSK	1	271	22.85	22.95	22.91			
100	PV2 BPSK	135	0	22.40	22.72	22.63	24.0	0.0	
100	PV2 BPSK	135	69	22.98	23.15	23.11	24.0	0.0	
100	PV2 BPSK	135	138	22.43	22.80	22.61	24.0	0.0	
100	PV2 BPSK	270	0	22.41	22.84	22.54	24.0	0.0	
100	QPSK	1	1	22.98	23.24	23.17			
100	QPSK	1	137	22.88	23.09	22.98			
100	QPSK	1	271	22.83	22.98	22.90	24.0	0.0	
100	QPSK	135	0	22.01	22.24	22.13			
100	QPSK	135	69	22.88	23.10	22.99			
100	QPSK	135	138	22.83	22.94	22.94	24.0	0.0	
100	QPSK	270	0	22.79	23.01	22.88	24.0	0.0	
100	16QAM	1	1	22.75	22.96	22.84			
100	64QAM	1	1	21.45	21.79	21.67			
100	256QAM	1	1	22.74	22.96	22.90	22.5	1.5	
Channel				508200	518598	520998			
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.88	23.14	23.04	24.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	22.87	23.15	23.07	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.83	23.16	23.11	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	22.89	23.17	23.01	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.90	23.10	23.11	24.0	0.0	
Channel				503200	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.90	23.16	23.08	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	22.88	23.07	23.01	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.84	23.07	23.04	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.89	23.14	23.10	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.93	23.16	23.01	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.87	23.10	23.10	24.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.91	23.10	23.00	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.83	23.13	23.02	24.0	0.0	

n41 PC2 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				509202	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	24.99	25.19	24.93	26.0	0.0	0.0
100	PV2 BPSK	1	137	24.86	25.10	24.85			
100	PV2 BPSK	1	271	24.99	25.09	24.91			
100	PV2 BPSK	135	0	24.54	24.69	24.56	25.5	0.5	0.5
100	PV2 BPSK	135	69	25.11	25.21	25.07	26.0	0.0	0.0
100	PV2 BPSK	135	138	24.61	24.66	24.46	25.5	0.5	0.5
100	PV2 BPSK	270	0	24.60	24.70	24.45	26.0	0.0	0.0
100	QPSK	1	1	25.14	25.31	25.08			
100	QPSK	1	137	24.98	25.19	24.91			
100	QPSK	1	271	24.93	25.03	24.92	25.0	1.0	1.0
100	QPSK	135	0	24.17	24.27	24.09			
100	QPSK	135	69	24.86	25.13	24.93			
100	QPSK	135	138	24.85	24.20	23.98	26.0	1.0	1.0
100	16QAM	1	1	24.05	24.26	24.01	25.0	1.0	1.0
100	64QAM	1	1	22.75	22.89	22.59			
100	256QAM	1	1	20.88	20.86	20.59	23.5	2.5	2.5
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.97	25.25	25.01	26.0	0.0	0.0
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2497.99	2592.99	2644.98			
80	QPSK	1	1	24.97	25.23	24.92	26.0	0.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.07	25.22	25.00	26.0	0.0	0.0
Channel				505200	518598	531006	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.01	25.24	24.98	26.0	0.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2515.01	2592.99	2664.99			
50	QPSK	1	1	25.01	25.22	24.94	26.0	0.0	0.0
Channel				503700	518598	533498	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	25.07	25.15	24.99	26.0	0.0	0.0
Channel				502702	518598	534000	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	24.98	25.23	24.94	26.0	0.0	0.0
Channel				502704	518598	534488	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2674.48			
35	QPSK	1	1	25.00	25.10	24.96	26.0	0.0	0.0
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.98	25.23	24.91	26.0	0.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2509.51	2592.99	2677.5			
25	QPSK	1	1	25.01	25.21	25.03	26.0	0.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2508.02	2592.99	2679.00			
20	QPSK	1	1	24.97	25.15	25.00	26.0	0.0	0.0
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	25.08	25.24	24.92	26.0	0.0	0.0
Channel				500200	518598	536998	Tune-up limit (dBm)	MPR (dB)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	25.02	25.18	25.03	26.0	0.0	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				505000	507000	509000	24.0	0.0
Frequency (MHz)				2625	2635	2645		
50	PI/2 BPSK	1	1	22.38	22.69	22.34		
50	PI/2 BPSK	1	135	22.33	22.64	22.24	23.5	0.5
50	PI/2 BPSK	1	268	22.31	22.65	22.29		
50	PI/2 BPSK	135	0	21.88	22.27	21.86		
50	PI/2 BPSK	135	68	22.46	22.75	22.45	24.0	0.0
50	PI/2 BPSK	135	135	21.92	22.26	21.78	23.5	0.5
50	PI/2 BPSK	270	0	21.90	22.21	21.79		
50	QPSK	1	1	22.45	22.81	22.42		
50	QPSK	1	135	22.35	22.73	22.32	24.0	0.0
50	QPSK	1	268	22.34	22.57	22.28		
50	QPSK	135	0	21.47	21.87	21.43		
50	QPSK	135	68	22.33	22.65	22.25	24.0	0.0
50	QPSK	135	135	21.39	21.81	21.33	23.0	1.0
50	QPSK	270	0	21.52	21.74	21.39		
50	16QAM	1	1	21.47	21.80	21.37		
50	64QAM	1	1	20.05	20.42	19.95	21.5	2.5
50	256QAM	1	1	18.01	18.30	17.92	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2620	2638	2650		
40	QPSK	1	1	22.32	22.71	22.32	24.0	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	22.39	22.65	22.31	0.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2615	2638	2655		
30	QPSK	1	1	22.32	22.68	22.30	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.35	22.75	22.36	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.35	22.68	22.32	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.39	22.76	22.32	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.32	22.71	22.30	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.39	22.68	22.32	24.0	0.0

n30 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				465000	466000	467000	24.0	0.0
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1	23.27				
10	PI/2 BPSK	1	26	23.24			23.5	0.5
10	PI/2 BPSK	1	50	23.16				
10	PI/2 BPSK	25	0	22.87				
10	PI/2 BPSK	25	14	23.31			24.0	0.0
10	PI/2 BPSK	25	27	22.75			23.5	0.5
10	PI/2 BPSK	50	0	22.82				
10	QPSK	1	1	23.41				
10	QPSK	1	26	23.24			24.0	0.0
10	QPSK	1	50	23.16				
10	QPSK	25	0	22.39			23.0	1.0
10	QPSK	25	14	23.24			24.0	0.0
10	QPSK	25	27	22.32			23.0	1.0
10	QPSK	50	0	22.34				
10	16QAM	1	1	22.36			23.0	1.0
10	64QAM	1	1	20.90			21.5	2.5
10	256QAM	1	1	18.95			19.5	4.5
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	23.28	23.31	23.33	24.0	0.0

n38 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. [mW]	Power Min. Ch. [mW]	Power High Ch. [mW]	Power High Ch. [mW]	Time-up time [min]	MPE [dB]
Channel									
Frequency [MHz]									
40	PUS-BPSK	1	1	22.48	22.03	22.83			
40	PUS-BPSK	1	53	22.80	22.34	22.78	24.0	0.0	
40	PUS-BPSK	1	114	22.87	22.34	22.75			
40	PUS-BPSK	30	0	22.42	22.51	22.32	23.5	0.5	
40	PUS-BPSK	30	30	22.80	22.06	22.87	24.0	0.0	
40	PUS-BPSK	30	50	22.43	22.54	22.30	23.5	0.5	
40	PUS-BPSK	100	0	22.35	22.55	22.37			
40	QPSK	1	1	23.04	23.15	22.85			
40	QPSK	1	53	22.80	23.00	22.82	24.0	0.0	
40	QPSK	1	114	22.85	22.91	22.72			
40	QPSK	30	0	21.50	22.11	21.38	23.0	1.0	
40	QPSK	30	30	22.40	22.56	22.17	24.0	0.0	
40	QPSK	30	50	21.50	22.03	21.87	23.0	1.0	
40	QPSK	100	0	21.84	22.04	21.93	23.0	1.0	
40	SSB-QAM	1	1	21.84	22.04	21.78	23.0	1.0	
40	SSB-QAM	1	1	20.50	20.74	20.48	21.5	2.5	
40	SSB-QAM	1	1	18.51	18.66	18.43	18.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.50	22.00	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.80	23.00	22.74	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.85	23.00	22.79	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.74	23.00	22.73	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.50	23.00	22.77	24.0	0.0	

n41 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. [mW]	Power Min. Ch. [mW]	Power High Ch. [mW]	Time-up time [min]	MPE [dB]	
Channel									
Frequency [MHz]									
100	PUS-BPSK	1	1	23.14	23.20	23.30			
100	PUS-BPSK	1	137	23.05	23.08	23.85	24.0	0.0	
100	PUS-BPSK	1	271	23.05	23.09	22.83			
100	PUS-BPSK	130	0	22.70	22.78	22.50	24.0	0.0	
100	PUS-BPSK	130	40	23.20	23.30	23.00	24.0	0.0	
100	PUS-BPSK	130	130	22.69	22.69	23.30	24.0	0.0	
100	PUS-BPSK	270	0	22.70	22.73	22.47			
100	QPSK	1	1	23.21	23.25	23.05			
100	QPSK	1	137	23.13	23.12	23.84	24.0	0.0	
100	QPSK	1	271	23.01	23.00	22.83			
100	QPSK	130	0	23.10	23.18	23.01	24.0	0.0	
100	QPSK	130	40	23.14	23.20	23.00	24.0	0.0	
100	QPSK	130	130	23.07	23.17	23.00	24.0	0.0	
100	QPSK	270	0	23.02	23.14	22.85	24.0	0.0	
100	SSB-QAM	1	1	23.03	23.08	22.80	24.0	0.0	
100	SSB-QAM	1	1	21.62	22.04	21.87	24.0	0.0	
100	SSB-QAM	1	1	21.12	21.87	21.51	20.5	1.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	23.11	23.16	23.00	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.10	23.22	22.92	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.07	23.17	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	23.14	23.19	22.91	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.08	23.23	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.05	23.23	22.83	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.07	23.24	22.91	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.13	23.25	22.87	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.14	23.17	22.85	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.11	23.23	22.82	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.12	23.24	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.07	23.21	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.04	23.18	22.80	24.0	0.0	

n41 PC2 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. [mW]	Power Min. Ch. [mW]	Power High Ch. [mW]	Time-up time [min]	MPE [dB]	
Channel									
Frequency [MHz]									
100	PUS-BPSK	1	1	23.04	23.00	23.10			
100	PUS-BPSK	1	137	23.02	23.08	23.05	27.0	0.0	
100	PUS-BPSK	1	271	23.00	23.07	23.01			
100	PUS-BPSK	130	0	23.49	23.47	23.24	26.5	0.5	
100	PUS-BPSK	130	40	23.01	23.20	23.01	27.0	0.0	
100	PUS-BPSK	130	130	23.36	23.61	23.29	26.5	0.5	
100	PUS-BPSK	270	0	23.36	23.82	23.30			
100	QPSK	1	1	23.08	23.22	23.00			
100	QPSK	1	137	23.98	24.10	23.78	27.0	0.0	
100	QPSK	1	271	23.97	24.03	23.81			
100	QPSK	130	0	23.16	23.28	24.03	26.0	1.0	
100	QPSK	130	40	23.34	23.40	23.20	27.0	0.0	
100	QPSK	130	130	23.02	23.19	24.07	26.0	1.0	
100	QPSK	270	0	23.02	23.10	24.03			
100	SSB-QAM	1	1	23.01	23.21	24.00	26.0	1.0	
100	SSB-QAM	1	1	23.84	23.81	23.43	24.5	2.5	
100	SSB-QAM	1	1	21.91	21.70	21.33	22.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	23.93	24.14	24.01	27.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	24.02	24.16	23.74	27.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.98	24.10	23.80	27.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	24.02	24.17	23.70	27.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.99	24.09	23.81	27.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	24.00	24.16	23.72	27.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	24.01	24.15	23.75	27.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	24.00	24.16	23.74	27.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.99	24.15	23.76	27.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	23.97	24.11	23.74	27.0	0.0	

n48 Part96 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Minima Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
348 348.8 349.6									
48	PSSBPSK	1	1	23.28	23.42	23.35			
48	PSSBPSK	1	108	23.29	23.29	23.18	24.0	0.0	
48	PSSBPSK	1	214	23.21	23.27	23.18			
48	PSSBPSK	108	0	22.80	22.96	22.75	23.5	0.5	
48	PSSBPSK	108	84	22.41	22.41	22.26	24.0	0.0	
48	PSSBPSK	108	166	22.80	22.87	22.77	23.5	0.5	
48	PSSBPSK	216	0	22.65	22.88	22.74			
48	QPSK	1	1	23.45	23.47	23.36			
48	QPSK	1	108	23.27	23.33	23.18	24.0	0.0	
48	QPSK	1	214	23.25	23.33	23.08			
48	QPSK	108	0	22.39	22.43	22.30	23.0	1.0	
48	QPSK	108	84	22.24	22.24	22.16	24.0	0.0	
48	QPSK	108	166	22.40	22.42	22.34	23.0	1.0	
48	QPSK	216	0	22.34	22.48	22.38	23.0	1.0	
48	SSBQAM	1	1	22.35	22.46	22.32	23.0	1.0	
48	SSBQAM	1	1	20.80	21.00	20.88	21.5	2.5	
48	SSBQAM	1	1	18.80	18.96	18.87	18.5	4.5	
Channel									
81768 81768 81768									
30	QPSK	1	1	23.30	23.36	23.20	24.0	0.0	
Channel									
81734 81734 81734									
20	QPSK	1	1	23.32	23.38	23.19	24.0	0.0	
Channel									
81572 81572 81572									
15	QPSK	1	1	23.25	23.19	23.22	24.0	0.0	
Channel									
81502 81502 81502									
10	QPSK	1	1	23.28	23.31	23.30	24.0	0.0	

Part270 n77 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Minima Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.13	23.27	23.09			
100	PSSBPSK	1	137	22.69	22.22	22.85	24.0	0.0	
100	PSSBPSK	1	271	23.01	23.10	22.85			
100	PSSBPSK	105	0	22.60	22.79	22.55	24.0	0.0	
100	PSSBPSK	105	86	23.19	23.27	23.00	24.0	0.0	
100	PSSBPSK	105	166	22.62	22.71	22.47	24.0	0.0	
100	PSSBPSK	270	0	22.64	22.79	22.44			
100	QPSK	1	1	23.16	23.36	23.05			
100	QPSK	1	137	23.16	23.18	23.07	24.0	0.0	
100	QPSK	1	271	23.14	23.10	22.81			
100	QPSK	105	0	23.18	23.24	23.13	24.0	0.0	
100	QPSK	105	86	23.22	23.26	23.04	24.0	0.0	
100	QPSK	105	166	23.09	23.24	23.06	24.0	0.0	
100	QPSK	270	0	23.14	23.23	22.98	24.0	0.0	
100	SSBQAM	1	1	23.08	23.16	22.92	24.0	0.0	
100	SSBQAM	1	1	21.08	21.16	21.05	22.5	1.5	
Channel									
84568 84568 84568									
90	QPSK	1	1	22.50	23.18	22.51	24.0	0.0	
Channel									
84534 84534 84534									
80	QPSK	1	1	23.01	23.30	22.97	24.0	0.0	
Channel									
84500 84500 84500									
70	QPSK	1	1	23.01	23.25	22.85	24.0	0.0	
Channel									
84466 84466 84466									
60	QPSK	1	1	23.02	23.40	22.91	24.0	0.0	
Channel									
84432 84432 84432									
50	QPSK	1	1	23.07	23.30	22.97	24.0	0.0	
Channel									
84398 84398 84398									
40	QPSK	1	1	23.07	23.29	22.85	24.0	0.0	
Channel									
84364 84364 84364									
30	QPSK	1	1	23.02	23.23	22.87	24.0	0.0	
Channel									
84330 84330 84330									
25	QPSK	1	1	23.03	23.31	22.94	24.0	0.0	
Channel									
84296 84296 84296									
20	QPSK	1	1	23.09	23.27	22.85	24.0	0.0	
Channel									
84262 84262 84262									
15	QPSK	1	1	23.03	23.25	22.84	24.0	0.0	
Channel									
84228 84228 84228									
10	QPSK	1	1	23.05	23.29	22.85	24.0	0.0	

Part270 n77 PC2 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Minima Ch. [Frac]	Power High Ch. [Frac]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
24 24 24									
100	PSSBPSK	1	1	25.14	25.30	25.07			
100	PSSBPSK	1	137	25.74	26.18	25.74	27.0	0.0	
100	PSSBPSK	1	271	25.70	25.72	25.75			
100	PSSBPSK	105	0	25.39	25.82	25.39	26.5	0.5	
100	PSSBPSK	105	86	25.35	25.39	25.44	27.0	0.0	
100	PSSBPSK	105	166	25.28	25.77	25.43	26.5	0.5	
100	PSSBPSK	270	0	25.31	25.72	25.36			
100	QPSK	1	1	25.39	25.70	25.00			
100	QPSK	1	137	25.70	26.21	25.65	27.0	0.0	
100	QPSK	1	271	25.08	25.11	25.71			
100	QPSK	105	0	24.87	25.42	25.01	26.0	1.0	
100	QPSK	105	86	24.76	24.76	24.61	27.0	0.0	
100	QPSK	105	166	24.80	25.35	24.63	26.0	1.0	
100	QPSK	270	0	24.85	25.39	24.66			
100	SSBQAM	1	1	24.85	25.25	24.91	26.0	1.0	
100	SSBQAM	1	1	23.43	23.97	23.52	24.5	2.5	
100	SSBQAM	1	1	21.47	21.60	21.45	22.5	4.5	
Channel									
84068 84068 84068									
90	QPSK	1	1	24.74	25.21	25.11	27.0	0.0	
Channel									
84034 84034 84034									
80	QPSK	1	1	24.81	25.01	24.91	27.0	0.0	
Channel									
84000 84000 84000									
70	QPSK	1	1	25.84	26.24	25.84	27.0	0.0	
Channel									
83966 83966 83966									
60	QPSK	1	1	25.82	26.20	25.81	27.0	0.0	
Channel									
83932 83932 83932									
50	QPSK	1	1	25.80	26.25	25.85	27.0	0.0	
Channel									
83898 83898 83898									
40	QPSK	1	1	25.81	26.29	25.94	27.0	0.0	
Channel									
83864 83864 83864									
30	QPSK	1	1	25.82	26.40	25.91	27.0	0.0	
Channel									
83830 83830 83830									
25	QPSK	1	1	25.72	26.30	25.84	27.0	0.0	
Channel									
83796 83796 83796									
20	QPSK	1	1	25.76	26.38	25.92	27.0	0.0	
Channel									
83762 83762 83762									
15	QPSK	1	1	25.77	26.38	25.92	27.0	0.0	
Channel									
83728 83728 83728									
10	QPSK	1	1	25.77	26.34	25.92	27.0	0.0	

Part27Q n77 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel				E33334				
Frequency (MHz)				3481.0				
100	PI2-BPSK	1	1		23.38			
100	PI2-BPSK	1	137		23.33		24.0	0.0
100	PI2-BPSK	1	271		23.37			
100	PI2-BPSK	135	0		22.20		24.0	0.0
100	PI2-BPSK	135	66		22.46		24.0	0.0
100	PI2-BPSK	135	136		22.63		24.0	0.0
100	PI2-BPSK	270	0		22.67			
100	QPSK	1	1		23.37			
100	QPSK	1	137		23.29		24.0	0.0
100	QPSK	1	271		23.33			
100	QPSK	135	0		23.48		24.0	0.0
100	QPSK	135	66		22.46		24.0	0.0
100	QPSK	135	136		22.63		24.0	0.0
100	QPSK	270	0		22.59		24.0	0.0
100	16QAM	1	1		23.25		24.0	0.0
100	16QAM	1	1		23.26		24.0	0.0
100	16QAM	1	1		23.14		23.5	1.5
Channel				E49906		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E49906		E33334	E33698	MPN
90	QPSK	1	1		23.44	23.45	23.35	24.0
Channel				E33698		E33334	E34508	Turn-up time (dBm)
Frequency (MHz)				E34508		3500.01	3510	MPN
80	QPSK	1	1		23.34	23.37	23.40	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
70	QPSK	1	1		23.35	23.44	23.45	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
60	QPSK	1	1		23.43	23.41	23.43	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
50	QPSK	1	1		23.38	23.38	23.35	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
40	QPSK	1	1		23.43	23.41	23.34	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
30	QPSK	1	1		23.37	23.37	23.41	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
25	QPSK	1	1		23.42	23.36	23.45	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
20	QPSK	1	1		23.41	23.45	23.44	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
15	QPSK	1	1		23.41	23.41	23.37	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
10	QPSK	1	1		23.41	23.36	23.43	24.0

Part27Q n77 PC2 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)	MPN (dB)
Channel				E33334				
Frequency (MHz)				3481.0				
100	PI2-BPSK	1	1		23.35			
100	PI2-BPSK	1	137		23.31		27.0	0.0
100	PI2-BPSK	1	271		23.25			
100	PI2-BPSK	135	0		23.09		26.5	0.0
100	PI2-BPSK	135	66		23.40		27.0	0.0
100	PI2-BPSK	135	136		23.96		26.5	0.0
100	PI2-BPSK	270	0		23.50			
100	QPSK	1	1		23.45			
100	QPSK	1	137		23.34		27.0	0.0
100	QPSK	1	271		23.32			
100	QPSK	135	0		23.50		26.0	1.0
100	QPSK	135	66		23.55		27.0	0.0
100	QPSK	135	136		23.41		26.0	1.0
100	QPSK	270	0		23.42		26.0	1.0
100	16QAM	1	1		23.44		26.0	1.0
100	16QAM	1	1		24.12		26.5	2.0
100	16QAM	1	1		23.00		23.5	4.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E34508	Turn-up time (dBm)
90	QPSK	1	1		26.39	26.34	26.43	27.0
Channel				E33698		E33334	E34508	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510	MPN
80	QPSK	1	1		26.41	26.42	26.42	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
70	QPSK	1	1		26.53	26.37	26.45	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
60	QPSK	1	1		26.36	26.41	26.34	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
50	QPSK	1	1		26.41	26.35	26.39	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
40	QPSK	1	1		26.41	26.32	26.42	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
30	QPSK	1	1		26.43	26.44	26.37	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
25	QPSK	1	1		26.36	26.33	26.43	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
20	QPSK	1	1		26.45	26.41	26.39	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
15	QPSK	1	1		26.44	26.37	26.35	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E3450.01		3500.01	3510.01	MPN
10	QPSK	1	1		26.39	26.38	26.35	27.0



Part270 n78 Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch. 1 [Freq.]	Power Max Ch. 2 [Freq.]	Power Max Ch. 3 [Freq.]	Time-up time (dBm)	MPS (dB)				
Channel												
Frequency [MHz]												
100	PICQ BPSK	1	1	23.13	23.13	23.13	24.0	0.0				
100	PICQ BPSK	1	137	23.27	23.27	23.27						
100	PICQ BPSK	1	271	23.12	23.12	23.12						
100	PICQ BPSK	135	0	22.88	22.88	22.88	24.0	0.0				
100	PICQ BPSK	135	68	23.21	23.21	23.21						
100	PICQ BPSK	135	136	22.84	22.84	22.84						
100	PICQ BPSK	270	0	22.69	22.69	22.69	24.0	0.0				
100	QPSK	1	1	23.37	23.37	23.37						
100	QPSK	1	137	23.19	23.19	23.19						
100	QPSK	1	271	23.11	23.11	23.11	24.0	0.0				
100	QPSK	135	0	23.21	23.21	23.21						
100	QPSK	135	68	23.20	23.20	23.20						
100	QPSK	135	136	23.18	23.18	23.18	24.0	0.0				
100	QPSK	270	0	23.11	23.11	23.11						
100	16QAM	1	1	23.08	23.08	23.08						
100	16QAM	1	1	23.00	23.00	23.00	24.0	0.0				
100	16QAM	1	1	23.00	23.00	23.00						
100	16QAM	1	1	23.00	23.00	23.00						
Channel												
Frequency [MHz]												
90	QPSK	1	1	23.15	23.20	23.25	24.0	0.0				
90	QPSK	1	137	23.29	23.34	23.39						
90	QPSK	1	271	23.11	23.16	23.21						
80	QPSK	1	1	23.21	23.26	23.31	24.0	0.0				
80	QPSK	1	137	23.35	23.40	23.45						
80	QPSK	1	271	23.17	23.22	23.27						
70	QPSK	1	1	23.25	23.30	23.35	24.0	0.0				
70	QPSK	1	137	23.39	23.44	23.49						
70	QPSK	1	271	23.21	23.26	23.31						
60	QPSK	1	1	23.22	23.27	23.32	24.0	0.0				
60	QPSK	1	137	23.36	23.41	23.46						
60	QPSK	1	271	23.22	23.27	23.32						
50	QPSK	1	1	23.19	23.24	23.29	24.0	0.0				
50	QPSK	1	137	23.33	23.38	23.43						
50	QPSK	1	271	23.19	23.24	23.29						
40	QPSK	1	1	23.20	23.25	23.30	24.0	0.0				
40	QPSK	1	137	23.34	23.39	23.44						
40	QPSK	1	271	23.20	23.25	23.30						
30	QPSK	1	1	23.22	23.27	23.32	24.0	0.0				
30	QPSK	1	137	23.36	23.41	23.46						
30	QPSK	1	271	23.22	23.27	23.32						
25	QPSK	1	1	23.24	23.29	23.34	24.0	0.0				
25	QPSK	1	137	23.38	23.43	23.48						
25	QPSK	1	271	23.24	23.29	23.34						
20	QPSK	1	1	23.14	23.20	23.25	24.0	0.0				
20	QPSK	1	137	23.28	23.34	23.39						
20	QPSK	1	271	23.14	23.20	23.25						
15	QPSK	1	1	23.23	23.29	23.35	24.0	0.0				
15	QPSK	1	137	23.37	23.43	23.49						
15	QPSK	1	271	23.23	23.29	23.35						
10	QPSK	1	1	23.15	23.22	23.29	24.0	0.0				
10	QPSK	1	137	23.29	23.36	23.43						
10	QPSK	1	271	23.15	23.22	23.29						

Part270 n78 PC2 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Max Ch. 1 [Freq.]	Power High Ch. 1 [Freq.]	Time-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PICQ BPSK	1	1	23.07	23.21	23.35	27.0	0.0	
100	PICQ BPSK	1	137	23.21	23.35	23.49			
100	PICQ BPSK	1	271	23.03	23.17	23.31			
100	PICQ BPSK	135	0	22.82	22.96	23.10	27.0	0.0	
100	PICQ BPSK	135	68	23.14	23.28	23.42			
100	PICQ BPSK	135	136	22.83	22.97	23.11			
100	PICQ BPSK	270	0	22.60	22.74	22.88	26.5	0.5	
100	QPSK	1	1	23.25	23.39	23.53			
100	QPSK	1	137	23.14	23.28	23.42			
100	QPSK	1	271	23.04	23.18	23.32	27.0	0.0	
100	QPSK	135	0	23.20	23.34	23.48			
100	QPSK	135	68	23.19	23.33	23.47			
100	QPSK	135	136	23.18	23.32	23.46	26.0	1.0	
100	QPSK	270	0	23.10	23.24	23.38			
100	16QAM	1	1	23.11	23.25	23.39			
100	16QAM	1	1	23.04	23.18	23.32	26.5	2.5	
100	16QAM	1	1	23.04	23.18	23.32			
100	16QAM	1	1	23.04	23.18	23.32			
Channel									
Frequency [MHz]									
90	QPSK	1	1	23.05	23.19	23.33	27.0	0.0	
90	QPSK	1	137	23.19	23.33	23.47			
90	QPSK	1	271	23.01	23.15	23.29			
80	QPSK	1	1	23.04	23.18	23.32	27.0	0.0	
80	QPSK	1	137	23.18	23.32	23.46			
80	QPSK	1	271	23.00	23.14	23.28			
70	QPSK	1	1	23.04	23.18	23.32	27.0	0.0	
70	QPSK	1	137	23.18	23.32	23.46			
70	QPSK	1	271	23.00	23.14	23.28			
60	QPSK	1	1	23.04	23.18	23.32	27.0	0.0	
60	QPSK	1	137	23.18	23.32	23.46			
60	QPSK	1	271	23.00	23.14	23.28			
50	QPSK	1	1	23.03	23.17	23.31	27.0	0.0	
50	QPSK	1	137	23.17	23.31	23.45			
50	QPSK	1	271	23.03	23.17	23.31			
40	QPSK	1	1	23.07	23.21	23.35	27.0	0.0	
40	QPSK	1	137	23.21	23.35	23.49			
40	QPSK	1	271	23.07	23.21	23.35			
30	QPSK	1	1	23.07	23.21	23.35	27.0	0.0	
30	QPSK	1	137	23.21	23.35	23.49			
30	QPSK	1	271	23.07	23.21	23.35			
25	QPSK	1	1	23.12	23.26	23.40	27.0	0.0	
25	QPSK	1	137	23.26	23.40	23.54			
25	QPSK	1	271	23.12	23.26	23.40			
20	QPSK	1	1	23.05	23.19	23.33	27.0	0.0	
20	QPSK	1	137	23.19	23.33	23.47			
20	QPSK	1	271	23.05	23.19	23.33			
15	QPSK	1	1	23.05	23.19	23.33	27.0	0.0	
15	QPSK	1	137	23.19	23.33	23.47			
15	QPSK	1	271	23.05	23.19	23.33			
10	QPSK	1	1	23.14	23.28	23.42	27.0	0.0	
10	QPSK	1	137	23.28	23.42	23.56			
10	QPSK	1	271	23.14	23.28	23.42			

Part27Q n78 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Max Ch. 1 [Freq.]	Power High Ch. 1 [Freq.]	Time-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
100	PICQ BPSK	1	1	23.24	23.38	23.52	24.0	0.0	
100	PICQ BPSK	1	137	23.38	23.52	23.66			
100	PICQ BPSK	1	271	23.17	23.31	23.45			
100	PICQ BPSK	135	0	22.74	22.88	23.02	24.0	0.0	
100	PICQ BPSK	135	68	23.06	23.20	23.34			
100	PICQ BPSK	135	136	22.75	22.89	23.03			
100	PICQ BPSK	270	0	22.50	22.64	22.78	24.0	0.0	
100	QPSK	1	1	23.30	23.44	23.58			
100	QPSK	1	137	23.22	23.36	23.50			
100	QPSK	1	271	23.10	23.24	23.38			
100	QPSK	135	0	22.75	22.89	23.03	24.0	0.0	
100	QPSK	135	68	23.07	23.21	23.35			
100	QPSK	135	136	22.77	22.91	23.05			
100	QPSK	270	0	22.52	22.66	22.80	24.0	0.0	
100	16QAM	1	1	23.14	23.28	23.42			
100	16QAM	1	137	23.11	23.25	23.39			
100	256QAM	1	1	21.60	21.80	22.00	24.0	0.0	QPSK
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.27	23.32	23.36	24.0	0.0	
50	QPSK	1	137	23.32	23.37	23.41			
50	QPSK	1	271	23.20	23.25	23.30			
50	QPSK	135	0	22.82	22.87	22.91	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.90	22.95	23.00	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.30	23.35	23.40	24.0	0.0	MPS
50	QPSK	1	137	23.35	23.40	23.45			
50	QPSK	1	271	23.23	23.28	23.33			
50	QPSK	135	0	22.93	22.98	23.03	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.36	23.41	23.46	24.0	0.0	QPSK
50	QPSK	1	137	23.41	23.46	23.51			
50	QPSK	1	271	23.29	23.34	23.39			
50	QPSK	135	0	22.95	23.00	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.32	23.37	23.42	24.0	0.0	MPS
50	QPSK	1	137	23.37	23.42	23.47			
50	QPSK	1	271	23.25	23.30	23.35			
50	QPSK	135	0	22.97	23.02	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.38	23.43	23.48	24.0	0.0	QPSK
50	QPSK	1	137	23.43	23.48	23.53			
50	QPSK	1	271	23.31	23.36	23.41			
50	QPSK	135	0	22.99	23.04	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.91	22.96	23.01	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.30	23.35	23.40	24.0	0.0	QPSK
50	QPSK	1	137	23.35	23.40	23.45			
50	QPSK	1	271	23.23	23.28	23.33			
50	QPSK	135	0	22.93	22.98	23.03	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.36	23.41	23.46	24.0	0.0	MPS
50	QPSK	1	137	23.41	23.46	23.51			
50	QPSK	1	271	23.29	23.34	23.39			
50	QPSK	135	0	22.95	23.00	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.32	23.37	23.42	24.0	0.0	MPS
50	QPSK	1	137	23.37	23.42	23.47			
50	QPSK	1	271	23.25	23.30	23.35			
50	QPSK	135	0	22.97	23.02	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.38	23.43	23.48	24.0	0.0	MPS
50	QPSK	1	137	23.43	23.48	23.53			
50	QPSK	1	271	23.31	23.36	23.41			
50	QPSK	135	0	22.99	23.04	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.91	22.96	23.01	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.30	23.35	23.40	24.0	0.0	MPS
50	QPSK	1	137	23.35	23.40	23.45			
50	QPSK	1	271	23.23	23.28	23.33			
50	QPSK	135	0	22.93	22.98	23.03	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.36	23.41	23.46	24.0	0.0	MPS
50	QPSK	1	137	23.41	23.46	23.51			
50	QPSK	1	271	23.29	23.34	23.39			
50	QPSK	135	0	22.95	23.00	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.32	23.37	23.42	24.0	0.0	MPS
50	QPSK	1	137	23.37	23.42	23.47			
50	QPSK	1	271	23.25	23.30	23.35			
50	QPSK	135	0	22.97	23.02	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.38	23.43	23.48	24.0	0.0	MPS
50	QPSK	1	137	23.43	23.48	23.53			
50	QPSK	1	271	23.31	23.36	23.41			
50	QPSK	135	0	22.99	23.04	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.91	22.96	23.01	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.30	23.35	23.40	24.0	0.0	MPS
50	QPSK	1	137	23.35	23.40	23.45			
50	QPSK	1	271	23.23	23.28	23.33			
50	QPSK	135	0	22.93	22.98	23.03	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.36	23.41	23.46	24.0	0.0	MPS
50	QPSK	1	137	23.41	23.46	23.51			
50	QPSK	1	271	23.29	23.34	23.39			
50	QPSK	135	0	22.95	23.00	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.32	23.37	23.42	24.0	0.0	MPS
50	QPSK	1	137	23.37	23.42	23.47			
50	QPSK	1	271	23.25	23.30	23.35			
50	QPSK	135	0	22.97	23.02	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.38	23.43	23.48	24.0	0.0	MPS
50	QPSK	1	137	23.43	23.48	23.53			
50	QPSK	1	271	23.31	23.36	23.41			
50	QPSK	135	0	22.99	23.04	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.91	22.96	23.01	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.30	23.35	23.40	24.0	0.0	MPS
50	QPSK	1	137	23.35	23.40	23.45			
50	QPSK	1	271	23.23	23.28	23.33			
50	QPSK	135	0	22.93	22.98	23.03	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.36	23.41	23.46	24.0	0.0	MPS
50	QPSK	1	137	23.41	23.46	23.51			
50	QPSK	1	271	23.29	23.34	23.39			
50	QPSK	135	0	22.95	23.00	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.32	23.37	23.42	24.0	0.0	MPS
50	QPSK	1	137	23.37	23.42	23.47			
50	QPSK	1	271	23.25	23.30	23.35			
50	QPSK	135	0	22.97	23.02	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.38	23.43	23.48	24.0	0.0	MPS
50	QPSK	1	137	23.43	23.48	23.53			
50	QPSK	1	271	23.31	23.36	23.41			
50	QPSK	135	0	22.99	23.04	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.91	22.96	23.01	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.30	23.35	23.40	24.0	0.0	MPS
50	QPSK	1	137	23.35	23.40	23.45			
50	QPSK	1	271	23.23	23.28	23.33			
50	QPSK	135	0	22.93	22.98	23.03	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.36	23.41	23.46	24.0	0.0	MPS
50	QPSK	1	137	23.41	23.46	23.51			
50	QPSK	1	271	23.29	23.34	23.39			
50	QPSK	135	0	22.95	23.00	23.05	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.32	23.37	23.42	24.0	0.0	MPS
50	QPSK	1	137	23.37	23.42	23.47			
50	QPSK	1	271	23.25	23.30	23.35			
50	QPSK	135	0	22.97	23.02	23.07	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.38	23.43	23.48	24.0	0.0	MPS
50	QPSK	1	137	23.43	23.48	23.53			
50	QPSK	1	271	23.31	23.36	23.41			
50	QPSK	135	0	22.99	23.04	23.09	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	23.34	23.39	23.44	24.0	0.0	MPS
50	QPSK	1	137	23.39	23.44	23.49			
50	QPSK	1	271	23.27	23.32	23.37			
50	QPSK	135	0	22.91	22.96	23.01	24.0	0.0	
Channel									
Frequency [MHz]									



n48 Part96 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turnup time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				636000	641600	647200			
40	PUSC BPSK	1	1	23.18	23.41	23.57			
40	PUSC BPSK	1	108	23.09	23.34	23.69	24.0	0.0	
40	PUSC BPSK	1	214	23.00	23.31	23.66			
40	PUSC BPSK	168	0	22.71	22.92	22.80	23.5	0.5	
40	PUSC BPSK	168	84	22.71	23.45	23.10	26.0	0.0	
40	PUSC BPSK	168	168	22.62	22.86	22.69	23.0	0.5	
40	PUSC BPSK	216	0	22.68	22.68	22.59			
40	QPSK	1	1	23.37	23.01	23.71			
40	QPSK	1	108	23.06	23.34	23.10	24.0	0.0	
40	QPSK	1	214	23.08	23.20	23.05			
40	QPSK	168	0	22.29	22.42	22.20	23.0	1.0	
40	QPSK	168	84	22.71	22.86	22.62	26.0	0.0	
40	QPSK	168	168	22.18	22.44	22.10			
40	QPSK	216	0	22.63	22.38	22.62	24.0	1.0	
40	16QAM	1	1	22.75	22.36	22.71	23.0	1.0	
40	16QAM	1	1	20.85	21.03	20.80	20.5	2.5	
40	256QAM	1	1	18.75	18.94	18.70	18.5	4.5	
Channel									
Frequency (MHz)				637600	641600	645600	Turnup time (dBm)	MFR (dB)	
30	QPSK	1	1	23.21	23.36	23.15	24.0	0.0	
Channel									
Frequency (MHz)				637334	641600	645000	Turnup time (dBm)	MFR (dB)	
20	QPSK	1	1	23.17	23.43	23.08	24.0	0.0	
Channel									
Frequency (MHz)				3551.52	3604.98	3652.98	Turnup time (dBm)	MFR (dB)	
15	QPSK	1	1	23.12	23.37	23.10	24.0	0.0	
Channel									
Frequency (MHz)				3715	362.9	369.8	Turnup time (dBm)	MFR (dB)	
10	QPSK	1	1	23.18	23.18	23.18	24.0	0.0	

Part270 n77 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				640000	650000	660000			
100	PUSC BPSK	1	1	22.63	22.85	22.70			
100	PUSC BPSK	1	137	22.68	22.80	22.69	24.0	0.0	
100	PUSC BPSK	1	274	22.59	22.78	22.58			
100	PUSC BPSK	195	0	22.28	22.44	22.27	26.0	0.0	
100	PUSC BPSK	195	98	22.75	22.69	22.69	24.0	0.0	
100	PUSC BPSK	195	194	22.17	22.43	22.14	24.0	0.0	
100	PUSC BPSK	270	0	22.21	22.39	22.14			
100	QPSK	1	1	22.14	22.05	22.18	24.0	0.0	
100	QPSK	1	137	22.62	22.84	22.67			
100	QPSK	1	274	22.77	22.83	22.86			
100	QPSK	195	0	22.59	23.01	22.89	26.0	0.0	
100	QPSK	195	98	22.86	22.67	22.67	24.0	0.0	
100	QPSK	195	194	22.79	22.89	22.73	26.0	0.0	
100	QPSK	270	0	22.62	22.84	22.62			
100	16QAM	1	1	22.63	22.62	22.60	24.0	0.0	
100	16QAM	1	1	22.76	22.84	22.73	26.0	0.0	
100	16QAM	1	1	21.96	21.63	21.29	22.5	1.5	
Channel									
Frequency (MHz)				3700.02	3640	3680.01	Turn-up time (dBm)	MFR (dB)	
30	QPSK	1	1	22.58	22.80	22.58	24.0	0.0	
Channel									
Frequency (MHz)				3700.02	3640	3680.01	Turn-up time (dBm)	MFR (dB)	
80	QPSK	1	1	22.62	22.36	22.69	24.0	0.0	
Channel									
Frequency (MHz)				640000	650000	660000	Turn-up time (dBm)	MFR (dB)	
70	QPSK	1	1	22.59	22.88	22.70	24.0	0.0	
Channel									
Frequency (MHz)				640000	650000	663334	Turn-up time (dBm)	MFR (dB)	
60	QPSK	1	1	22.61	22.84	22.61	24.0	0.0	
Channel									
Frequency (MHz)				3710.02	3640	3680.01	Turn-up time (dBm)	MFR (dB)	
50	QPSK	1	1	22.67	22.98	22.63	24.0	0.0	
Channel									
Frequency (MHz)				640000	650000	664000	Turn-up time (dBm)	MFR (dB)	
40	QPSK	1	1	22.68	22.95	22.60	24.0	0.0	
Channel									
Frequency (MHz)				647000	650000	664334	Turn-up time (dBm)	MFR (dB)	
30	QPSK	1	1	22.62	22.87	22.63	24.0	0.0	
Channel									
Frequency (MHz)				647000	650000	666000	Turn-up time (dBm)	MFR (dB)	
25	QPSK	1	1	22.68	22.94	22.58	24.0	0.0	
Channel									
Frequency (MHz)				647334	650000	666000	Turn-up time (dBm)	MFR (dB)	
20	QPSK	1	1	22.67	22.93	22.67	24.0	0.0	
Channel									
Frequency (MHz)				647168	650000	666000	Turn-up time (dBm)	MFR (dB)	
15	QPSK	1	1	22.63	22.99	22.60	24.0	0.0	
Channel									
Frequency (MHz)				3707.56	3640	3672.81	Turn-up time (dBm)	MFR (dB)	
10	QPSK	1	1	22.65	22.90	22.65	24.0	0.0	
Channel									
Frequency (MHz)				3705	3640	3675	Turn-up time (dBm)	MFR (dB)	
10	QPSK	1	1	22.67	22.69	22.71	24.0	0.0	

Part270 n77 PC2 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				660000	666000	672000			
100	PUSC BPSK	1	1	23.08	23.50	23.41			
100	PUSC BPSK	1	137	23.05	23.78	23.05	27.0	0.0	
100	PUSC BPSK	1	274	23.06	23.83	23.04			
100	PUSC BPSK	195	0	23.21	23.42	23.08	26.0	0.0	
100	PUSC BPSK	195	98	23.60	23.29	23.64	27.0	0.0	
100	PUSC BPSK	195	194	23.22	23.54	23.15	26.5	0.5	
100	PUSC BPSK	270	0	23.18	23.40	23.12			
100	QPSK	1	1	23.75	23.00	23.88			
100	QPSK	1	137	23.64	23.87	23.59	27.0	0.0	
100	QPSK	1	274	23.85	23.71	23.51			
100	QPSK	195	0	24.81	24.69	24.72	26.0	1.0	
100	QPSK	195	98	24.80	24.56	24.56	27.0	0.0	
100	QPSK	195	194	24.73	24.90	24.69	26.0	1.0	
100	QPSK	270	0	24.70	24.93	24.82			
100	16QAM	1	1	24.64	24.87	24.58	26.0	1.0	
100	16QAM	1	1	23.38	23.53	23.19	24.5	2.0	
100	16QAM	1	1	21.94	21.90	21.34	22.5	4.5	
Channel									
Frequency (MHz)				660668	666000	662334	Turn-up time (dBm)	MFR (dB)	
50	QPSK	1	1	23.62	23.80	23.62	27.0	0.0	
Channel									
Frequency (MHz)				660334	666000	662000	Turn-up time (dBm)	MFR (dB)	
80	QPSK	1	1	23.60	23.69	23.50	27.0	0.0	
Channel									
Frequency (MHz)				3700	3640	3680	Turn-up time (dBm)	MFR (dB)	
70	QPSK	1	1	23.61	23.92	23.58	27.0	0.0	
Channel									
Frequency (MHz)				3700	3640	3680	Turn-up time (dBm)	MFR (dB)	
60	QPSK	1	1	23.68	23.83	23.70	27.0	0.0	
Channel									
Frequency (MHz)				660334	666000	663668	Turn-up time (dBm)	MFR (dB)	
50	QPSK	1	1	23.69	23.94	23.57	27.0	0.0	
Channel									
Frequency (MHz)				660000	666000	664000	Turn-up time (dBm)	MFR (dB)	
40	QPSK	1	1	23.64	23.90	23.60	27.0	0.0	
Channel									
Frequency (MHz)				3718.02	3640	3680.31	Turn-up time (dBm)	MFR (dB)	
30	QPSK	1	1	23.61	23.84	23.18	27.0	0.0	
Channel									
Frequency (MHz)				667000	666000	664000	Turn-up time (dBm)	MFR (dB)	
25	QPSK	1	1	23.67	23.93	23.54	27.0	0.0	
Channel									
Frequency (MHz)				3717.72 <th>3640</th> <th>3680.28</th> <th>Turn-up time (dBm)</th> <th colspan="2">MFR (dB)</th>	3640	3680.28	Turn-up time (dBm)	MFR (dB)	
20	QPSK	1	1	23.72	23.88	23.18	27.0	0.0	
Channel									
Frequency (MHz)				667000	666000	666000	Turn-up time (dBm)	MFR (dB)	
15	QPSK	1	1	23.68	23.90	23.18	27.0	0.0	
Channel									
Frequency (MHz)				665000	666000	665000	Turn-up time (dBm)	MFR (dB)	
10	QPSK	1	1	23.56	23.90	23.53	27.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	1	1	23.33				
100	PI-C BPSK	1	137	23.37			24.0	0.0
100	PI-C BPSK	1	271	23.27				
100	PI-C BPSK	135	0	22.87			24.0	0.0
100	PI-C BPSK	135	86	23.42			24.0	0.0
100	PI-C BPSK	135	138	22.88				
100	PI-C BPSK	135	0	22.87			24.0	0.0
100	QPSK	1	1	23.33				
100	QPSK	1	137	23.29			24.0	0.0
100	QPSK	1	271	23.23				
100	QPSK	135	0	22.48			24.0	0.0
100	QPSK	135	86	23.36			24.0	0.0
100	QPSK	135	138	23.45			24.0	0.0
100	QPSK	275	0	22.40			24.0	0.0
100	16QAM	1	1	23.29			24.0	0.0
100	16QAM	1	1	23.23			24.0	0.0
100	16QAM	1	1	23.26			23.5	0.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.45	25.36	25.45	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.37	25.37	25.49	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.46	23.46	23.47	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.46	23.39	23.44	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.38	23.42	23.41	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.43	25.43	25.38	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.38	23.48	23.42	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.38	23.44	23.38	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.42	23.44	23.49	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.45	23.42	23.35	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.35	23.43	23.37	24.0	0.0

Part27Q n77 PC2 Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq.)	Power Max Ch. 1 (Freq.)	Power High Ch. 1 (Freq.)	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI-C BPSK	1	1	26.11				
100	PI-C BPSK	1	137	26.01			27.0	0.0
100	PI-C BPSK	1	271	25.92				
100	PI-C BPSK	135	0	25.83			26.5	0.0
100	PI-C BPSK	135	86	26.18			27.0	0.0
100	PI-C BPSK	135	138	25.84			26.5	0.0
100	PI-C BPSK	275	0	25.87			26.5	0.0
100	QPSK	1	1	26.02				
100	QPSK	1	137	26.06			27.0	0.0
100	QPSK	1	271	26.02				
100	QPSK	135	0	25.28			26.0	1.0
100	QPSK	135	86	25.36			27.0	0.0
100	QPSK	135	138	25.20			26.0	1.0
100	QPSK	275	0	25.22			26.0	1.0
100	16QAM	1	1	25.78			26.0	1.0
100	16QAM	1	1	25.78			24.5	2.5
100	16QAM	1	1	25.78			23.5	4.5
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.14	26.06	26.17	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.14	26.14	26.09	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.14	26.15	26.09	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.17	26.14	26.10	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.14	26.11	26.17	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.07	26.10	26.12	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.17	26.06	26.14	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.14	26.07	26.10	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.11	26.12	26.16	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.05	26.09	26.15	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.06	26.07	26.06	27.0	0.0



Part270 n78 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch. 1 [Freq.]	Power Max Ch. 2 [Freq.]	Power Max Ch. 3 [Freq.]	Time-up time [dBm]	MFR [dB]	
Channel									
Frequency [MHz]									
100	PIQ BPSK	1	1	22.05	22.05	22.05			
100	PIQ BPSK	1	137	22.25			24.0	0.0	
100	PIQ BPSK	1	271	22.27					
100	PIQ BPSK	135	0	22.20			24.0	0.0	
100	PIQ BPSK	135	60	22.70			24.0	0.0	
100	PIQ BPSK	135	138	22.14			24.0	0.0	
100	PIQ BPSK	270	0	22.17					
100	QPSK	1	1	22.05					
100	QPSK	1	137	22.80			24.0	0.0	
100	QPSK	1	271	22.81					
100	QPSK	135	0	22.85			24.0	0.0	
100	QPSK	135	60	22.80			24.0	0.0	
100	QPSK	135	138	22.84			24.0	0.0	
100	QPSK	270	0	22.81					
100	16QAM	1	1	22.06			24.0	0.0	
100	16QAM	1	1	22.80			24.0	0.0	
100	16QAM	1	1	22.76			22.5	1.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.05	22.05	22.05	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.08	22.05	22.04	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.07	22.04	22.03	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.06	22.03	22.02	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.05	22.02	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.05	22.75	22.75	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.03	22.79	22.87	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.04	22.78	22.77	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.29	22.87	22.88	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.05	22.79	22.72	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.05	22.74	22.65	24.0	0.0	

Part270 n78 PC2 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Media Ch. 1 [Freq.]	Power High Ch. 1 [Freq.]	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIQ BPSK	1	1	22.05	22.05	22.05			
100	PIQ BPSK	1	137	22.83			27.0	0.0	
100	PIQ BPSK	1	271	22.83					
100	PIQ BPSK	135	0	22.17			26.5	0.0	
100	PIQ BPSK	135	60	22.72			27.0	0.0	
100	PIQ BPSK	135	138	22.13			26.5	0.5	
100	PIQ BPSK	270	0	22.16					
100	QPSK	1	1	22.70					
100	QPSK	1	137	22.85			27.0	0.0	
100	QPSK	1	271	22.85					
100	QPSK	135	0	22.72			26.0	1.0	
100	QPSK	135	60	22.66			27.0	0.0	
100	QPSK	135	138	22.68			26.0	1.0	
100	QPSK	270	0	22.70			26.0	1.0	
100	16QAM	1	1	24.84			26.0	0.0	
100	16QAM	1	1	23.38			26.5	2.5	
100	16QAM	1	1	21.78			27.5	4.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.06	22.06	22.06	27.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.04	22.04	22.04	27.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.05	22.71	22.64	27.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.70	22.68	22.70	27.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.04	22.72	22.65	27.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.04	22.69	22.69	27.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.03	22.76	22.76	27.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.02	22.67	22.68	27.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.79	22.72	22.79	27.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.09	22.70	22.60	27.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.09	22.68	22.68	27.0	0.0	

Part27Q n78 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Freq.]	Power Media Ch. 1 [Freq.]	Power High Ch. 1 [Freq.]	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIQ BPSK	1	1	22.14					
100	PIQ BPSK	1	137	22.12			24.0	0.0	
100	PIQ BPSK	1	271	22.13					
100	PIQ BPSK	135	0	22.75			24.0	0.0	
100	PIQ BPSK	135	60	22.72			24.0	0.0	
100	PIQ BPSK	135	138	22.67			24.0	0.0	
100	PIQ BPSK	270	0	22.69					
100	QPSK	1	1	22.70					
100	QPSK	1	137	22.12			24.0	0.0	
100	QPSK	1	271	22.08					
100	QPSK	135	0	22.27			24.0	0.0	
100	QPSK	135	60	22.24			24.0	0.0	
100	QPSK	135	138	22.13			24.0	0.0	
100	QPSK	270	0	22.10			24.0	0.0	
100	16QAM	1	1	22.08			24.0	0.0	
100	16QAM	1	1	22.02			24.0	0.0	
100	16QAM	1	1	21.90			22.5	1.5	
Channel									
Frequency [MHz]									
90	QPSK	1	1	22.20	22.24	22.15	24.0	0.0	
Channel									
Frequency [MHz]									
80	QPSK	1	1	22.14	22.20	22.17	24.0	0.0	
Channel									
Frequency [MHz]									
70	QPSK	1	1	22.19	22.14	22.03	24.0	0.0	
Channel									
Frequency [MHz]									
60	QPSK	1	1	22.17	22.13	22.14	24.0	0.0	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.21	22.18	22.02	24.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.18	22.16	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.16	22.14	22.00	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.16	22.17	22.23	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.18	22.20	22.25	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.14	22.18	22.25	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.22	22.14	22.22	24.0	0.0	



n2 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [374000]	Power Max Ch. 1 Freq. [375000]	Power High Ch. 1 Freq. [376000]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PUSC-BPSK	1	1	22.01	22.08	22.01			
40	PUSC-BPSK	1	108	22.07	22.10	22.01	24.0	0.0	
40	PUSC-BPSK	1	214	22.04	22.08	22.01			
40	PUSC-BPSK	108	0	22.03	22.02	22.48	23.5	0.5	
40	PUSC-BPSK	108	54	22.08	22.12	22.01	24.0	0.0	
40	PUSC-BPSK	108	108	22.09	22.07	22.48	23.5	0.5	
40	PUSC-BPSK	216	0	22.04	22.02	22.47			
40	QPSK	1	1	22.15	22.07	22.01			
40	QPSK	1	108	22.07	22.08	22.01	24.0	0.0	
40	QPSK	1	214	22.01	22.07	22.01			
40	QPSK	108	0	22.12	22.24	22.04	23.0	1.0	
40	QPSK	108	54	22.08	22.12	22.01	24.0	0.0	
40	QPSK	108	108	22.09	22.12	22.01	23.0	1.0	
40	QPSK	216	0	22.08	22.14	22.01			
40	16QAM	1	1	22.06	22.18	22.01	23.0	1.0	
40	16QAM	1	1	20.77	20.75	20.58	21.5	2.5	
40	16QAM	1	1	18.12	18.71	18.08	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.05	22.08	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.02	22.08	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.02	22.11	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.01	22.11	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.05	22.14	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.08	22.13	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.08	22.08	22.07	24.0	0.0	

n25 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [374000]	Power Max Ch. 1 Freq. [375000]	Power High Ch. 1 Freq. [376000]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PUSC-BPSK	1	1	22.04	22.08	22.01			
40	PUSC-BPSK	1	108	22.08	22.04	22.01	24.0	0.0	
40	PUSC-BPSK	1	214	22.01	22.08	22.01			
40	PUSC-BPSK	108	0	22.03	22.04	22.50	23.5	0.5	
40	PUSC-BPSK	108	54	22.13	22.16	22.01	24.0	0.0	
40	PUSC-BPSK	108	108	22.08	22.08	22.49	23.5	0.5	
40	PUSC-BPSK	216	0	22.05	22.08	22.48			
40	QPSK	1	1	22.07	22.05	22.11			
40	QPSK	1	108	22.09	22.07	22.04	24.0	0.0	
40	QPSK	1	214	22.06	22.05	22.01			
40	QPSK	108	0	22.07	22.24	22.12	23.0	1.0	
40	QPSK	108	54	22.04	22.12	22.01	24.0	0.0	
40	QPSK	108	108	22.12	22.11	22.01	23.0	1.0	
40	QPSK	216	0	22.07	22.21	22.12			
40	16QAM	1	1	22.05	22.07	21.98	23.0	1.0	
40	16QAM	1	1	20.88	20.74	20.62	21.5	2.5	
40	16QAM	1	1	18.08	18.76	18.04	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.05	22.05	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.05	22.05	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.04	22.08	22.07	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.05	22.09	22.09	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.09	22.08	22.08	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.07	22.04	22.01	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.08	22.08	22.02	24.0	0.0	

n66 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [343000]	Power Max Ch. 1 Freq. [344000]	Power High Ch. 1 Freq. [345000]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PUSC-BPSK	1	1	22.78	22.87	22.83			
40	PUSC-BPSK	1	108	22.71	22.87	22.83	24.0	0.0	
40	PUSC-BPSK	1	214	22.72	22.87	22.83			
40	PUSC-BPSK	108	0	22.40	22.58	22.18	23.5	0.5	
40	PUSC-BPSK	108	54	22.86	22.92	22.71	24.0	0.0	
40	PUSC-BPSK	108	108	22.29	22.52	22.15	23.5	0.5	
40	PUSC-BPSK	216	0	22.50	22.57	22.10			
40	QPSK	1	1	22.81	22.74	22.70	24.0	0.0	
40	QPSK	1	108	22.80	22.86	22.80			
40	QPSK	1	214	22.78	22.82	22.74			
40	QPSK	108	0	21.82	22.18	21.74	23.0	1.0	
40	QPSK	108	54	22.84	22.86	22.80	24.0	0.0	
40	QPSK	108	108	21.80	22.11	21.70	23.0	1.0	
40	QPSK	216	0	21.81	22.08	21.73			
40	16QAM	1	1	21.80	22.02	21.68	23.0	1.0	
40	16QAM	1	1	20.49	20.79	20.36	21.5	2.5	
40	16QAM	1	1	18.38	18.58	18.24	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.78	22.87	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.78	22.87	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.85	23.03	22.85	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.78	22.87	22.80	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.83	23.08	22.88	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.81	22.88	22.84	21.5	2.5	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.86	22.87	22.87	19.0	2.5	

n70 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. [343000]	Power Max Ch. 1 Freq. [344000]	Power High Ch. 1 Freq. [345000]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PUSC-BPSK	1	1		22.88				
15	PUSC-BPSK	1	40			23.08	24.0	0.0	
15	PUSC-BPSK	1	70			23.15			
15	PUSC-BPSK	36	0			22.71	23.5	0.5	
15	PUSC-BPSK	36	20			23.17	24.0	0.0	
15	PUSC-BPSK	36	40			22.61	23.5	0.5	
15	PUSC-BPSK	70	0			22.65			
15	QPSK	1	1			23.17			
15	QPSK	1	40			23.14	24.0	0.0	
15	QPSK	1	70			23.05			
15	QPSK	36	0			22.70	23.5	1.0	
15	QPSK	36	20			23.23	24.0	0.0	
15	QPSK	36	40			22.63	23.5	1.0	
15	QPSK	70	0			22.18			
15	QPSK	1	1			23.14	23.5	1.0	
15	QPSK	1	40			23.14	23.5	1.0	
15	QPSK	1	70			23.05			
15	QPSK	36	0			22.70	23.5	1.0	
15	QPSK	36	20			23.23	24.0	0.0	
15	QPSK	36	40			22.63	23.5	1.0	
15	QPSK	70	0			22.18			
15	QPSK	1	1			18.80	19.0	4.0	
250MHz									
Channel									
Frequency [MHz]									
10	PUSC-BPSK	1	1	500000	500000	500000			
10	PUSC-BPSK	1	40	500000	500000	500000			
10	PUSC-BPSK	1	70	500000	500000	500000			
10	PUSC-BPSK	36	0	500000	500000	500000			
10	PUSC-BPSK	36	20	500000	500000	500000			
10	PUSC-BPSK	36	40	500000	500000	500000			
10	PUSC-BPSK	70	0	500000	500000	500000			
10	QPSK	1	1	500000	500000	500000			
10	QPSK	1	40	500000	500000	500000			
10	QPSK	1	70	500000	500000	500000			
10	QPSK	36	0	500000	500000	500000			
10	QPSK	36	20	500000	500000	500000			
10	QPSK	36	40	500000	500000	500000			
10	QPSK	70	0	500000	500000	500000			
5	QPSK	1	1	500000	500000	500000	24.0		

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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)				3520	3624.99	3676.98		
40	Pi2 BPSK	1	1	21.63	21.68	21.68		
40	Pi2 BPSK	1	108	21.58	21.84	21.80	23.0	0.0
40	Pi2 BPSK	1	214	21.80	21.73	21.62		
40	Pi2 BPSK	108	0	21.19	21.42	21.29	22.5	0.5
40	Pi2 BPSK	108	54	21.68	21.90	21.79	23.0	0.5
40	Pi2 BPSK	108	108	21.18	21.38	21.17	22.5	0.5
40	Pi2 BPSK	216	0	21.14	21.39	21.19		
40	QPSK	1	1	21.73	22.02	21.79		
40	QPSK	1	108	21.86	21.81	21.88	23.0	0.0
40	QPSK	1	214	21.59	21.75	21.56		
40	QPSK	108	0	20.72	20.96	20.76	22.0	1.0
40	QPSK	108	54	21.98	21.83	21.59	23.0	0.0
40	QPSK	108	108	20.72	20.94	20.77	22.0	1.0
40	QPSK	216	0	20.77	20.97	20.81	22.0	1.0
40	16QAM	1	1	20.87	20.86	20.69	22.0	1.0
40	64QAM	1	1	19.35	19.55	19.38	20.5	2.5
40	256QAM	1	1	17.26	17.53	17.32	18.5	4.5
Channel								
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	21.64	21.90	21.06	23.0	0.0
Channel								
Frequency (MHz)				637.334	641668	646000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.63	21.86	21.64	23.0	0.0
Channel								
Frequency (MHz)				637.168	641666	646166	Tune-up limit (dBm)	MPR (dB)
18	QPSK	1	1	21.59	21.85	21.62	23.0	0.0
Channel								
Frequency (MHz)				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.62	21.86	21.64	23.0	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)				3750	3840	3930		
100	Pi2 BPSK	1	1	21.18	21.53	21.07		
100	Pi2 BPSK	1	137	21.18	21.45	21.10	22.5	0.0
100	Pi2 BPSK	1	271	21.16	21.40	21.02		
100	Pi2 BPSK	135	0	20.71	21.04	20.67	22.5	0.0
100	Pi2 BPSK	135	69	21.33	21.56	21.20	22.5	0.0
100	Pi2 BPSK	135	138	20.72	21.02	20.84	22.5	0.0
100	Pi2 BPSK	270	0	20.73	20.96	20.58		
100	QPSK	1	1	21.32	21.59	21.23		
100	QPSK	1	137	21.38	21.40	21.18	22.5	0.0
100	QPSK	1	271	21.35	21.38	21.16		
100	QPSK	135	0	21.42	21.47	21.28	22.5	0.0
100	QPSK	135	69	21.41	21.43	21.22	22.5	0.0
100	QPSK	135	138	21.36	21.41	21.24	22.5	0.0
100	QPSK	270	0	21.34	21.48	21.15	22.5	0.0
100	16QAM	1	1	21.34	21.33	21.11	22.5	0.0
100	64QAM	1	1	21.34	21.34	21.21	22.5	0.0
100	256QAM	1	1	19.97	20.17	19.87	21.0	1.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.23	21.46	21.09	22.5	0.0
Channel								
Frequency (MHz)				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.22	21.47	21.07	22.5	0.0
Channel								
Frequency (MHz)				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.16	21.44	21.11	22.5	0.0
Channel								
Frequency (MHz)				646968	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.25	21.44	21.12	22.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3935.02		
50	QPSK	1	1	21.18	21.49	21.14	22.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.17	21.48	21.17	22.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.20	21.53	21.11	22.5	0.0
Channel								
Frequency (MHz)				3712.5	3840	3897.5		
25	QPSK	1	1	21.10	21.44	21.01	22.5	0.0
Channel								
Frequency (MHz)				3710.01	3840	3891.02		
20	QPSK	1	1	21.15	21.45	20.97	22.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.10	21.40	20.98	22.5	0.0
Channel								
Frequency (MHz)				3705	3840	3895		
10	QPSK	1	1	21.07	21.47	21.05	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								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		21.51			
100	Pi2 BPSK	1	137		21.35		22.5	0.0
100	Pi2 BPSK	1	271		21.38			
100	Pi2 BPSK	135	0		21.04		22.5	0.0
100	Pi2 BPSK	135	69		21.50		22.5	0.0
100	Pi2 BPSK	135	138		20.98		22.5	0.0
100	Pi2 BPSK	270	0		21.00			
100	QPSK	1	1		21.61			
100	QPSK	1	137		21.48		22.5	0.0
100	QPSK	1	271		21.46			
100	QPSK	135	0		21.57		22.5	0.0
100	QPSK	135	69		21.51		22.5	0.0
100	QPSK	135	138		21.51		22.5	0.0
100	QPSK	270	0		21.41		22.5	0.0
100	16QAM	1	1		21.44		22.5	0.0
100	64QAM	1	1		21.38		22.5	0.0
100	256QAM	1	1		20.21		21.0	1.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	21.43	21.43	21.36	22.5	0.0
Channel								
Frequency (MHz)				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	21.37	21.40	21.44	22.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.37	21.43	21.55	22.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	21.44	21.48	21.43	22.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.45	21.44	21.36	22.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.47	21.42	21.37	22.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.46	21.41	21.43	22.5	0.0
Channel								
Frequency (MHz)				630334	633334	635834	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.43	21.47	21.41	22.5	0.0
Channel								
Frequency (MHz)				630000	633334	636000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.39	21.42	21.41	22.5	0.0
Channel								
Frequency (MHz)				629500	633334	636168	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.43	21.41	21.38	22.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.45	21.46	21.43	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PQ2 BPSK	1	1		21.26				
100	PQ2 BPSK	1	137		21.28		22.5	0.0	
100	PQ2 BPSK	1	271		21.19				
100	PQ2 BPSK	135	0		20.80		22.5	0.0	
100	PQ2 BPSK	135	69		21.34		22.5	0.0	
100	PQ2 BPSK	135	138		20.80		22.5	0.0	
100	PQ2 BPSK	270	0		20.77				
100	QPSK	1	1		21.45				
100	QPSK	1	137		21.29		22.5	0.0	
100	QPSK	1	271		21.27				
100	QPSK	135	0		21.34		22.5	0.0	
100	QPSK	135	69		21.30		22.5	0.0	
100	QPSK	135	138		21.35		22.5	0.0	
100	QPSK	270	0		21.27				
100	16QAM	1	1		21.19		22.5	0.0	
100	64QAM	1	1		21.25		22.5	0.0	
100	256QAM	1	1		20.90		21.0	1.5	
Channel				649968	650000	650134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		21.32	21.28	21.14	22.5	0.0
Channel				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.28	21.25	21.16	22.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		21.34	21.22	21.15	22.5	0.0
Channel				648868	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		21.26	21.27	21.17	22.5	0.0
Channel				648334	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		21.27	21.22	21.15	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.31	21.21	21.17	22.5	0.0
Channel				647968	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		21.32	21.21	21.17	22.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		21.29	21.24	21.18	22.5	0.0
Channel				647334	650000	652688	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		21.31	21.24	21.22	22.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.51			
15	QPSK	1	1		21.30	21.25	21.19	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		21.24	21.24	21.18	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.	Tuneup limit (dbm)	MPR (dB)	
Channel				633000	633334				
Frequency (MHz)					3600.01				
100	PQ2 BPSK	1	1		21.21		22.5	0.0	
100	PQ2 BPSK	1	137		21.26				
100	PQ2 BPSK	1	271		21.17				
100	PQ2 BPSK	135	0		20.80		22.5	0.0	
100	PQ2 BPSK	135	69		21.26		22.5	0.0	
100	PQ2 BPSK	135	138		20.82		22.5	0.0	
100	PQ2 BPSK	270	0		20.80				
100	QPSK	1	1		21.43				
100	QPSK	1	137		21.26		22.5	0.0	
100	QPSK	1	271		21.18				
100	QPSK	135	0		21.30		22.5	0.0	
100	QPSK	135	69		21.36		22.5	0.0	
100	QPSK	135	138		21.30		22.5	0.0	
100	QPSK	270	0		21.24				
100	16QAM	1	1		21.24		22.5	0.0	
100	64QAM	1	1		21.14		22.5	0.0	
100	256QAM	1	1		20.01		21.0	1.5	
Channel				633300	633334	633668	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3485	3600.01	3605.02			
90	QPSK	1	1		21.21	21.19	21.19	22.5	0.0
Channel				632668	633334	634000	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3480.02	3600.01	3610			
80	QPSK	1	1		21.27	21.25	21.20	22.5	0.0
Channel				632334	633334	634334	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3475.01	3600.01	3615.01			
70	QPSK	1	1		21.21	21.22	21.17	22.5	0.0
Channel				632000	633334	634668	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3480	3600.01	3620.02			
60	QPSK	1	1		21.22	21.19	21.23	22.5	0.0
Channel				631668	633334	635000	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3475.02	3600.01	3625			
50	QPSK	1	1		21.25	21.19	21.20	22.5	0.0
Channel				631334	633334	635334	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3470.01	3600.01	3630.01			
40	QPSK	1	1		21.24	21.29	21.24	22.5	0.0
Channel				631000	633334	635668	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3465	3600.01	3635.02			
30	QPSK	1	1		21.27	21.20	21.22	22.5	0.0
Channel				630668	633334	636000	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3600.01	3640			
25	QPSK	1	1		21.18	21.20	21.18	22.5	0.0
Channel				630334	633334	636334	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3455.01	3600.01	3645.01			
20	QPSK	1	1		21.27	21.28	21.19	22.5	0.0
Channel				630000	633334	636668	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3450.02	3600.01	3645.02			
15	QPSK	1	1		21.18	21.24	21.23	22.5	0.0
Channel				630334	633334	636334	Tuneup limit (dbm)	MPR (dB)	
Frequency (MHz)				3455.01	3600.01	3645.01			
10	QPSK	1	1		21.24	21.23	21.22	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								
Frequency (MHz)				3520	3624.99	3676.98		
40	Pi2 BPSK	1	1	21.73	22.08	21.96		
40	Pi2 BPSK	1	108	21.73	21.99	21.80	23.0	0.0
40	Pi2 BPSK	1	214	21.86	22.00	21.85		
40	Pi2 BPSK	108	0	21.28	21.59	21.44	22.5	0.5
40	Pi2 BPSK	108	54	21.76	21.97	21.87	23.0	0.0
40	Pi2 BPSK	108	108	21.30	21.54	21.39	22.5	0.5
40	Pi2 BPSK	216	0	21.28	21.53	21.40		
40	QPSK	1	1	21.93	22.15	22.02		
40	QPSK	1	108	21.72	21.96	21.90	23.0	0.0
40	QPSK	1	214	21.93	22.00	21.75		
40	QPSK	108	0	20.82	21.19	20.95	22.0	1.0
40	QPSK	108	54	21.74	22.05	21.82	23.0	0.0
40	QPSK	108	108	20.94	21.07	20.96	22.0	1.0
40	QPSK	216	0	20.92	21.08	21.01		
40	16QAM	1	1	20.82	21.15	20.89	22.0	1.0
40	64QAM	1	1	19.44	19.68	19.59	20.5	2.5
40	256QAM	1	1	17.44	17.71	17.58	18.5	4.5
Channel								
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	21.88	22.06	21.88	23.0	0.0
Channel								
Frequency (MHz)				637.334	641668	646000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.88	22.08	21.96	23.0	0.0
Channel								
Frequency (MHz)				637.168	641666	646166	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.54	22.03	21.67	23.0	0.0
Channel								
Frequency (MHz)				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.82	21.98	21.96	23.0	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)				3750	3840	3930		
100	Pi2 BPSK	1	1	21.11	21.43	20.91		
100	Pi2 BPSK	1	137	21.08	21.27	20.91	22.5	0.0
100	Pi2 BPSK	1	271	21.06	21.28	20.88		
100	Pi2 BPSK	135	0	20.65	20.98	20.79	22.5	0.0
100	Pi2 BPSK	135	69	21.14	21.36	20.95	22.5	0.0
100	Pi2 BPSK	135	138	20.88	20.94	20.98	22.5	0.0
100	Pi2 BPSK	270	0	20.82	20.88	20.78		
100	QPSK	1	1	21.21	21.55	21.09		
100	QPSK	1	137	21.43	21.38	21.26	22.5	0.0
100	QPSK	1	271	21.25	21.38	21.16		
100	QPSK	135	0	21.38	21.41	21.28	22.5	0.0
100	QPSK	135	69	21.41	21.42	21.07	22.5	0.0
100	QPSK	135	138	21.37	21.41	21.19	22.5	0.0
100	QPSK	270	0	21.25	21.45	21.11		
100	16QAM	1	1	21.27	21.30	21.07	22.5	0.0
100	64QAM	1	1	21.33	21.25	21.26	22.5	0.0
100	256QAM	1	1	19.98	20.07	19.81	21.0	1.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.95	21.39	20.86	22.5	0.0
Channel								
Frequency (MHz)				646334	656000	662668	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.93	21.31	20.80	22.5	0.0
Channel								
Frequency (MHz)				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	20.84	21.29	20.52	22.5	0.0
Channel								
Frequency (MHz)				646668	656000	663334	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.97	21.38	20.79	22.5	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.94	21.37	20.87	22.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	20.98	21.36	20.79	22.5	0.0
Channel								
Frequency (MHz)				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	20.91	21.30	20.80	22.5	0.0
Channel								
Frequency (MHz)				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.00	21.37	20.86	22.5	0.0
Channel								
Frequency (MHz)				647000	656000	664834	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.95	21.33	20.81	22.5	0.0
Channel								
Frequency (MHz)				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.00	21.34	20.85	22.5	0.0
Channel								
Frequency (MHz)				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.00	21.29	20.81	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								
Frequency (MHz)					633534			
100	Pi2 BPSK	1	1		21.09			
100	Pi2 BPSK	1	137		20.97		22.5	0.0
100	Pi2 BPSK	1	271		20.96			
100	Pi2 BPSK	135	0		20.89		22.5	0.0
100	Pi2 BPSK	135	69		20.97		22.5	0.0
100	Pi2 BPSK	135	138		20.98		22.5	0.0
100	Pi2 BPSK	270	0		20.52			
100	QPSK	1	1		21.19			
100	QPSK	1	137		21.07		22.5	0.0
100	QPSK	1	271		21.02			
100	QPSK	135	0		21.13		22.5	0.0
100	QPSK	135	69		21.08		22.5	0.0
100	QPSK	135	138		21.02		22.5	0.0
100	QPSK	270	0		21.07			
100	16QAM	1	1		21.02		22.5	0.0
100	64QAM	1	1		20.90		22.5	0.0
100	256QAM	1	1		19.80		21.0	1.5
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	20.96	21.04	20.97	22.5	0.0
Channel								
Frequency (MHz)				633668	633334	634000	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	20.93	21.03	20.97	22.5	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
70	QPSK	1	1	21.00	21.03	21.03	22.5	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	20.98	21.01	21.04	22.5	0.0
Channel								
Frequency (MHz)				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	21.01	20.96	21.06	22.5	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	21.01	20.98	21.06	22.5	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.01	20.97	21.05	22.5	0.0
Channel								
Frequency (MHz)				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	20.97	21.04	21.05	22.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	20.97	21.05	20.96	22.5	0.0
Channel								
Frequency (MHz)				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	20.99	21.05	20.98	22.5	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	20.94	20.99	21.06	22.5	0.0

Part27O n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		21.20		22.5	0.0	
100	PI2 BPSK	1	137		21.24				
100	PI2 BPSK	1	271		21.28				
100	PI2 BPSK	135	0		20.79		22.5	0.0	
100	PI2 BPSK	135	69		21.32		22.5	0.0	
100	PI2 BPSK	135	138		20.81		22.5	0.0	
100	PI2 BPSK	270	0		20.81				
100	QPSK	1	1		21.43				
100	QPSK	1	137		21.24		22.5	0.0	
100	QPSK	1	271		21.28				
100	QPSK	135	0		21.35		22.5	0.0	
100	QPSK	135	69		21.33		22.5	0.0	
100	QPSK	135	138		21.27		22.5	0.0	
100	QPSK	270	0		21.30		22.5	0.0	
100	16QAM	1	1		21.18				
100	64QAM	1	1		21.13				
100	256QAM	1	1		20.01		21.0	1.5	
Channel				549608	650000	650334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		21.28	21.24	21.16	22.5	0.0
Channel				640334	650000	650968	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		21.27	21.22	21.14	22.5	0.0
Channel				646000	650000	651000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		21.23	21.23	21.19	22.5	0.0
Channel				648608	650000	651334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		21.25	21.20	21.18	22.5	0.0
Channel				643334	650000	651000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		21.30	21.27	21.13	22.5	0.0
Channel				648000	650000	650300	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		21.25	21.21	21.17	22.5	0.0
Channel				647608	650000	652334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		21.40	21.24	21.10	22.5	0.0
Channel				647500	650000	652500	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		21.25	21.27	21.13	22.5	0.0
Channel				647334	650000	652608	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		21.24	21.20	21.20	22.5	0.0
Channel				647168	650000	652834	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.51			
15	QPSK	1	1		21.28	21.23	21.13	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		21.29	21.19	21.16	22.5	0.0

Part27Q n78 Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				633334	633334	633334			
Frequency (MHz)				3600.01					
100	PI2 BPSK	1	1		20.89		22.5	0.0	
100	PI2 BPSK	1	137		20.90				
100	PI2 BPSK	1	271		20.93				
100	PI2 BPSK	135	0		20.96		22.5	0.0	
100	PI2 BPSK	135	69		20.94		22.5	0.0	
100	PI2 BPSK	135	138		20.91		22.5	0.0	
100	PI2 BPSK	270	0		20.91				
100	QPSK	1	1		21.06				
100	QPSK	1	137		20.88		22.5	0.0	
100	QPSK	1	271		20.86				
100	QPSK	135	0		21.00		22.5	0.0	
100	QPSK	135	69		20.98		22.5	0.0	
100	QPSK	135	138		20.90		22.5	0.0	
100	QPSK	270	0		20.90		22.5	0.0	
100	16QAM	1	1		20.85				
100	64QAM	1	1		20.81				
100	256QAM	1	1		19.62		21.0	1.5	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3485	3600.01	3605.02			
90	QPSK	1	1		21.00	20.96	20.91	22.5	0.0
Channel				630968	633334	634000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3480.02	3600.01	3610			
80	QPSK	1	1		20.93	20.79	20.80	22.5	0.0
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3480.01	3600.01	3616.01			
70	QPSK	1	1		20.93	20.83	20.77	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3480	3600.01	3620.02			
60	QPSK	1	1		20.92	20.85	20.83	22.5	0.0
Channel				631504	633334	635000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3475.02	3600.01	3625			
50	QPSK	1	1		20.89	20.83	20.79	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3470.01	3600.01	3628.01			
40	QPSK	1	1		20.86	20.80	20.79	22.5	0.0
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3465	3600.01	3635.02			
30	QPSK	1	1		20.87	20.80	20.80	22.5	0.0
Channel				630534	633334	635934	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3462.51	3600.01	3637.51			
25	QPSK	1	1		20.89	20.85	20.80	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3600.01	3640			
20	QPSK	1	1		20.88	20.85	20.86	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3457.5	3600.01	3642.52			
15	QPSK	1	1		20.90	20.85	20.84	22.5	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3455.01	3600.01	3645.01			
10	QPSK	1	1		20.94	20.87	20.82	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				518004	518000	519998			
Frequency (MHz)				2580.02	2595	2599.98			
40	P12 BPSK	1	1	22.43	22.41	22.33			
40	P12 BPSK	1	53	22.33	22.35	22.20	24.0	0.0	
40	P12 BPSK	1	164	22.30	22.33	22.27			
40	P12 BPSK	50	0	21.98	22.02	21.83	23.5	0.5	
40	P12 BPSK	50	28	22.38	22.48	22.22	24.0	0.0	
40	P12 BPSK	50	58	21.91	21.93	21.83	23.5	0.5	
40	P12 BPSK	100	0	21.98	22.00	21.78			
40	QPSK	1	1	22.54	22.56	22.42			
40	QPSK	1	53	22.31	22.43	22.31	24.0	0.0	
40	QPSK	1	104	22.31	22.36	22.18			
40	QPSK	50	0	21.46	21.56	21.36	23.0	1.0	
40	QPSK	50	28	22.37	22.45	22.30	24.0	0.0	
40	QPSK	50	58	21.42	21.51	21.41	23.0	1.0	
40	QPSK	100	0	21.44	21.57	21.42			
40	16QAM	1	1	21.43	21.51	21.31	23.0	1.0	
40	16QAM	1	1	20.08	20.16	20.00	21.5	2.5	
40	256QAM	1	1	18.01	18.02	17.93	19.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.44	22.43	22.36	24.0	0.0	
Channel				516504	518000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.43	22.50	22.33	24.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.43	22.53	22.33	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.45	22.48	22.27	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.43	22.47	22.32	24.0	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				509002	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	23.17	23.30	23.16			
100	P12 BPSK	1	137	23.07	23.22	23.14	24.0	0.0	
100	P12 BPSK	1	271	23.02	23.23	23.08			
100	P12 BPSK	135	0	22.74	22.88	22.76	24.0	0.0	
100	P12 BPSK	135	69	23.12	23.30	23.23	24.0	0.0	
100	P12 BPSK	135	138	22.70	22.80	22.72	24.0	0.0	
100	P12 BPSK	270	0	22.60	22.83	22.66			
100	QPSK	1	1	23.21	23.45	23.28			
100	QPSK	1	137	23.34	23.23	23.08	24.0	0.0	
100	QPSK	1	271	23.21	23.24	23.06			
100	QPSK	135	0	23.32	23.32	23.19	24.0	0.0	
100	QPSK	135	69	23.29	23.38	23.05	24.0	0.0	
100	QPSK	135	138	23.23	23.34	23.11	24.0	0.0	
100	QPSK	270	0	23.24	23.30	23.00			
100	16QAM	1	1	23.23	23.19	23.02	24.0	0.0	
100	16QAM	1	1	23.15	23.24	23.16	24.0	0.0	
100	256QAM	1	1	21.88	22.05	21.88	22.5	1.5	
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.15	23.38	23.14	24.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	23.08	23.30	23.21	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.11	23.34	23.14	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.98			
60	QPSK	1	1	23.07	23.36	23.23	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	23.09	23.32	23.12	24.0	0.0	
Channel				503200	518598	533598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	23.10	23.36	23.17	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	23.08	23.35	23.13	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	23.07	23.28	23.13	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.13	23.36	23.19	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	23.07	23.35	23.21	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.16	23.32	23.21	24.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.04	23.33	23.20	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.16	23.36	23.12	24.0	0.0	

n41 PC2 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	25.33	25.32	25.36			
100	P12 BPSK	1	137	25.26	25.31	25.22	27.0	0.0	
100	P12 BPSK	1	271	25.26	25.34	25.22			
100	P12 BPSK	135	0	24.93	24.88	24.94	26.5	0.5	
100	P12 BPSK	135	69	25.31	25.35	25.35	27.0	0.0	
100	P12 BPSK	135	138	24.93	24.91	24.82	26.5	0.5	
100	P12 BPSK	270	0	24.89	24.93	24.83			
100	QPSK	1	1	25.45	25.53	25.41			
100	QPSK	1	137	25.33	25.36	25.25	27.0	0.0	
100	QPSK	1	271	25.23	25.22	25.20			
100	QPSK	135	0	24.49	24.52	24.40	26.0	1.0	
100	QPSK	135	69	25.32	25.39	25.32	27.0	0.0	
100	QPSK	135	138	24.40	24.49	24.44	26.0	1.0	
100	QPSK	270	0	24.42	24.45	24.43			
100	16QAM	1	1	24.36	24.46	24.33	26.0	1.0	
100	64QAM	1	1	23.05	23.06	22.99	24.5	2.5	
100	256QAM	1	1	20.98	21.04	20.96	22.5	4.5	
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.35	25.40	25.29	27.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2534.01	2592.99	2640			
80	QPSK	1	1	25.29	25.44	25.28	27.0	0.0	
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.37	25.46	25.36	27.0	0.0	
Channel				505000	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.28	25.38	25.27	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515.01	2592.99	2664.99			
50	QPSK	1	1	25.37	25.47	25.25	27.0	0.0	
Channel				503700	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	25.51	25.37	25.24	27.0	0.0	
Channel				503200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.38	25.38	25.30	27.0	0.0	
Channel				502704	518598	534988	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515.52	2592.99	2672.48			
35	QPSK	1	1	25.29	25.44	25.28	27.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.38	25.40	25.30	27.0	0.0	
Channel				501700	518598	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2509.51	2592.99	2677.5			
25	QPSK	1	1	25.32	25.48	25.33	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.12	2592.99	2679.19			
20	QPSK	1	1	25.34	25.47	25.25	27.0	0.0	
Channel				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	25.37	25.44	25.26	27.0	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	25.35	25.42	25.33	27.0	0.0	



Reduced Power Mode for ECI 2

n2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	22.50	22.75	22.71	24.0	0.0
40	PI2 BPSK	1	108	22.50	22.73	22.86		
40	PI2 BPSK	1	214	22.58	22.76	22.80		
40	PI2 BPSK	108	0	22.08	22.26	22.23	23.5	0.5
40	PI2 BPSK	108	54	22.53	22.78	22.83	24.0	0.0
40	PI2 BPSK	108	108	22.02	22.23	22.18	23.5	0.5
40	PI2 BPSK	216	0	22.05	22.23	22.12		
40	QPSK	1	1	22.82	22.82	22.73	24.0	0.0
40	QPSK	1	108	22.53	22.77	22.59		
40	QPSK	1	214	22.53	22.75	22.88		
40	QPSK	108	0	21.57	21.82	21.89	23.0	1.0
40	QPSK	108	54	22.52	22.77	22.86	24.0	0.0
40	QPSK	108	108	21.54	21.78	21.81	23.0	1.0
40	QPSK	216	0	21.51	21.75	21.80		
40	16QAM	1	1	21.45	21.75	21.58		
40	8QAM	1	1	20.14	20.39	20.34	21.5	2.5
40	25QAM	1	1	18.15	18.34	18.23	19.5	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	22.51	22.74	22.87	24.0	0.0
Channel				374000	376000	378000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1880	1885		
30	QPSK	1	1	22.55	22.85	22.83	24.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1880	1887.5		
25	QPSK	1	1	22.57	22.87	22.86	24.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1880	1900		
20	QPSK	1	1	22.49	22.69	22.58	24.0	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1880	1907.5		
15	QPSK	1	1	22.48	22.77	22.56	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1880	1905		
10	QPSK	1	1	22.48	22.75	22.82	24.0	0.0
Channel				370500	376000	371000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1907.5		
5	QPSK	1	1	22.48	22.87	22.59	24.0	0.0

1.2

n5 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.77	22.81	22.84	24.0	0.0
20	PI2 BPSK	1	53	22.85	22.77	22.57		
20	PI2 BPSK	1	104	22.68	22.80	22.81		
20	PI2 BPSK	50	0	22.31	22.41	22.20	23.5	0.5
20	PI2 BPSK	50	26	22.81	22.87	22.72	24.0	0.0
20	PI2 BPSK	50	56	22.26	22.33	22.23	23.5	0.5
20	PI2 BPSK	100	0	22.28	22.30	22.23		
20	QPSK	1	1	22.82	22.95	22.71	24.0	0.0
20	QPSK	1	53	22.76	22.85	22.83		
20	QPSK	1	104	22.83	22.76	22.50		
20	QPSK	50	0	21.83	21.95	21.73	23.0	1.0
20	QPSK	50	26	22.88	22.85	22.70	24.0	0.0
20	QPSK	50	56	21.86	21.93	21.74	23.0	1.0
20	QPSK	100	0	21.88	21.92	21.71		
20	16QAM	1	1	21.79	21.89	21.68		
20	8QAM	1	1	20.37	20.58	20.39	21.5	2.5
20	25QAM	1	1	18.40	18.46	18.32	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.87	22.82	22.84	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.68	22.86	22.55	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.77	22.86	22.56	24.0	0.0

n12 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.70	22.85	22.70	24.0	0.0
15	PI2 BPSK	1	40	22.60	22.76	22.70		
15	PI2 BPSK	1	77	22.58	22.76	22.82		
15	PI2 BPSK	36	0	22.28	22.37	22.30	23.5	0.5
15	PI2 BPSK	36	22	22.70	22.95	22.77	24.0	0.0
15	PI2 BPSK	36	43	22.16	22.33	22.28	23.5	0.5
15	PI2 BPSK	75	0	22.16	22.33	22.25		
15	QPSK	1	1	22.77	23.00	22.80	24.0	0.0
15	QPSK	1	40	22.67	22.76	22.82		
15	QPSK	1	77	22.83	22.77	22.57		
15	QPSK	36	0	21.77	21.94	21.80	23.0	1.0
15	QPSK	36	22	22.87	22.94	22.73	24.0	0.0
15	QPSK	36	43	21.76	21.93	21.76	23.0	1.0
15	QPSK	75	0	21.77	21.87	21.73		
15	16QAM	1	1	21.70	21.83	21.79		
15	8QAM	1	1	20.38	20.46	20.36	21.5	2.5
15	25QAM	1	1	18.35	18.45	18.33	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.82	22.95	22.70	24.0	0.0
Channel				140300	141000	141700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.69	22.86	22.68	24.0	0.0



n14 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				158600				
Frequency (MHz)				753				
10	PI2 BPSK	1	1	22.94			24.0	0.0
10	PI2 BPSK	1	26	22.85				
10	PI2 BPSK	1	50	22.94				
10	PI2 BPSK	25	0	22.49			23.5	0.5
10	PI2 BPSK	25	14	22.98			24.0	0.0
10	PI2 BPSK	25	27	22.45			23.5	0.5
10	PI2 BPSK	50	0	22.43				
10	QPSK	1	1	23.07			24.0	0.0
10	QPSK	1	26	22.97				
10	QPSK	1	50	22.86				
10	QPSK	25	0	22.10			23.0	1.0
10	QPSK	25	14	23.03			24.0	0.0
10	QPSK	25	27	22.06			23.0	1.0
10	QPSK	50	0	22.10				
10	16QAM	1	1	22.06			23.0	1.0
10	64QAM	1	1	20.68			21.5	2.5
10	256QAM	1	1	18.56			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				750.5	753	755.5		
5	QPSK	1	1	22.99	22.93	23.00	24.0	0.0

n25 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				374000		376500	379000	
Frequency (MHz)				1870		1892.5	1895	
40	PI2 BPSK	1	1	22.59	22.69	22.61	24.0	0.0
40	PI2 BPSK	1	108	22.48	22.59	22.45		
40	PI2 BPSK	1	214	22.52	22.60	22.45		
40	PI2 BPSK	108	0	22.10	22.24	22.06	23.5	0.5
40	PI2 BPSK	108	54	22.69	22.69	22.81	24.0	0.0
40	PI2 BPSK	108	108	22.14	22.14	22.07	23.5	0.5
40	PI2 BPSK	216	0	22.08	22.21	22.05		
40	QPSK	1	1	22.65	22.73	22.71	24.0	0.0
40	QPSK	1	108	22.55	22.67	22.49		
40	QPSK	1	214	22.51	22.60	22.45		
40	QPSK	108	0	21.88	21.77	21.71	23.0	1.0
40	QPSK	108	54	22.64	22.70	22.62	24.0	0.0
40	QPSK	108	108	21.66	21.71	21.63	23.0	1.0
40	QPSK	216	0	21.62	21.69	21.66		
40	16QAM	1	1	21.65	21.73	21.63	23.0	1.0
40	64QAM	1	1	20.23	20.38	20.22	21.5	2.5
40	256QAM	1	1	18.21	18.33	18.15	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1892.5	1897.5		
35	QPSK	1	1	22.56	22.71	22.56	24.0	0.0
Channel				373400	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1892.5	1900		
30	QPSK	1	1	22.56	22.71	22.56	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1892.5	1902.5		
25	QPSK	1	1	22.49	22.73	22.54	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1892.5	1905		
20	QPSK	1	1	22.56	22.73	22.64	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1892.5	1907.5		
15	QPSK	1	1	22.59	22.66	22.64	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1892.5	1910		
10	QPSK	1	1	22.48	22.62	22.66	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1892.5	1912.5		
5	QPSK	1	1	22.50	22.67	22.64	24.0	0.0

n26 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				165800		166300	166800	
Frequency (MHz)				829		831.5	834	
20	PI2 BPSK	1	1	22.22	22.25	22.23	24.0	0.0
20	PI2 BPSK	1	53	22.19	22.18	22.14		
20	PI2 BPSK	1	104	22.10	22.14	22.09		
20	PI2 BPSK	50	0	21.69	21.76	21.70	23.5	0.5
20	PI2 BPSK	50	28	22.36	22.33	22.28	24.0	0.0
20	PI2 BPSK	50	56	21.76	21.77	21.73	23.5	0.5
20	PI2 BPSK	100	0	21.82	21.81	21.74		
20	QPSK	1	1	22.35	22.38	22.30	24.0	0.0
20	QPSK	1	53	22.17	22.24	22.16		
20	QPSK	1	104	22.16	22.16	22.06		
20	QPSK	50	0	21.33	21.39	21.38	23.0	1.0
20	QPSK	50	28	22.25	22.30	22.22	24.0	0.0
20	QPSK	50	56	21.26	21.35	21.34	23.0	1.0
20	QPSK	100	0	21.36	21.38	21.31		
20	16QAM	1	1	21.24	21.30	21.25	23.0	1.0
20	64QAM	1	1	19.89	19.90	19.93	21.5	2.5
20	256QAM	1	1	17.84	17.85	17.79	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.30	22.24	22.23	24.0	0.0
Channel				163600	166300	168900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816	831.5	844		
10	QPSK	1	1	22.31	22.22	22.24	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.32	22.33	22.23	24.0	0.0

n66 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				346000	349000	352000	24.0	0.0
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.49	22.50	22.44		
40	PI2 BPSK	1	108	22.45	22.48	22.39	23.5	0.5
40	PI2 BPSK	1	214	22.43	22.50	22.37		
40	PI2 BPSK	108	0	22.04	22.14	21.91		
40	PI2 BPSK	108	54	22.51	22.57	22.42	24.0	0.0
40	PI2 BPSK	108	108	22.01	22.08	21.95		
40	PI2 BPSK	216	0	22.03	22.10	21.82		
40	QPSK	1	1	22.57	22.66	22.50	24.0	0.0
40	QPSK	1	108	22.48	22.50	22.34		
40	QPSK	1	214	22.41	22.45	22.37		
40	QPSK	108	0	21.82	21.59	21.55	23.0	1.0
40	QPSK	108	54	22.51	22.64	22.51		
40	QPSK	108	108	21.57	21.58	21.51		
40	QPSK	216	0	21.53	21.58	21.45	23.0	1.0
40	16QAM	1	1	21.49	21.57	21.48		
40	64QAM	1	1	20.11	20.27	20.05		
40	256QAM	1	1	18.16	18.11	17.69	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	22.43	22.50	22.40	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	22.43	22.50	22.40	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	22.52	22.54	22.41	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	22.43	22.58	22.42	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	22.42	22.56	22.33	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	22.46	22.56	22.39	24.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	22.49	22.56	22.37	24.0	0.0

n70 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				340500				
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1	22.89			24.0	0.0
15	PI/2 BPSK	1	40	22.76				
15	PI/2 BPSK	1	77	22.80				
15	PI/2 BPSK	36	0	22.38			23.5	0.5
15	PI/2 BPSK	36	22	22.89			24.0	0.0
15	PI/2 BPSK	36	43	22.40			23.5	0.5
15	PI/2 BPSK	75	0	22.36				
15	QPSK	1	1	22.97			24.0	0.0
15	QPSK	1	40	22.81				
15	QPSK	1	77	22.80				
15	QPSK	36	0	21.98			23.0	1.0
15	QPSK	36	22	22.98			24.0	0.0
15	QPSK	36	43	21.91			23.0	1.0
15	QPSK	75	0	21.99				
15	16QAM	1	1	21.90			23.0	1.0
15	64QAM	1	1	20.58			21.5	2.5
15	256QAM	1	1	18.49			19.5	4.5
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.84	22.80	22.90	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.87	22.90	22.81	24.0	0.0

n71 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				136100				
Frequency (MHz)				680.5				
35	PI/2 BPSK	1	1	23.13			24.0	0.0
35	PI/2 BPSK	1	92	23.00				
35	PI/2 BPSK	1	184	22.99				
35	PI/2 BPSK	94	0	22.59			23.5	0.5
35	PI/2 BPSK	94	47	23.20			24.0	0.0
35	PI/2 BPSK	94	94	22.57			23.5	0.5
35	PI/2 BPSK	188	0	22.58				
35	QPSK	1	1	23.21			24.0	0.0
35	QPSK	1	92	23.02				
35	QPSK	1	184	22.92				
35	QPSK	94	0	22.21			23.0	1.0
35	QPSK	94	47	23.16			24.0	0.0
35	QPSK	94	94	22.10			23.0	1.0
35	QPSK	188	0	22.19				
35	16QAM	1	1	22.10			23.0	1.0
35	64QAM	1	1	20.79			21.5	2.5
35	256QAM	1	1	18.70			19.5	4.5
Channel				135500	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	23.04	23.04	23.11	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	23.12	23.07	23.08	24.0	0.0
Channel				134500	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	683		
20	QPSK	1	1	23.11	23.12	23.08	24.0	0.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	695.5		
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133500	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.11	23.10	23.16	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.08	23.08	23.10	24.0	0.0



n38 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				518004	518000	518998			
Frequency (MHz)				2580.02	2595	2599.98			
40	P12 BPSK	1	1	22.94	23.04	23.02			
40	P12 BPSK	1	53	22.86	23.03	22.88	24.0	0.0	
40	P12 BPSK	1	104	22.90	22.99	22.90			
40	P12 BPSK	50	0	22.49	22.81	22.56	23.5	0.5	
40	P12 BPSK	50	28	23.01	23.14	23.06	24.0	0.0	
40	P12 BPSK	50	58	22.50	22.56	22.54	23.5	0.5	
40	P12 BPSK	100	0	22.50	22.53	22.48			
40	QPSK	1	1	23.06	23.16	23.08			
40	QPSK	1	53	22.93	22.98	22.97	24.0	0.0	
40	QPSK	1	104	22.87	22.90	22.86			
40	QPSK	50	0	22.09	22.13	22.06	23.0	1.0	
40	QPSK	50	28	22.96	23.14	22.95	24.0	0.0	
40	QPSK	50	58	22.07	22.12	22.05			
40	QPSK	100	0	21.97	22.18	22.11	23.0	1.0	
40	16QAM	1	1	21.98	22.07	22.07	23.0	1.0	
40	64QAM	1	1	20.87	20.75	20.70	21.5	2.5	
40	256QAM	1	1	18.57	18.64	18.62	19.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.93	23.00	23.01	24.0	0.0	
Channel				516504	518000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.52	23.02	23.02	24.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.98	23.07	22.95	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.96	23.08	23.02	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.91	23.08	22.99	24.0	0.0	

n41 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				509202	518598	529000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	22.74	22.89	22.80			
100	P12 BPSK	1	137	22.75	22.79	22.84	24.0	0.0	
100	P12 BPSK	1	271	22.73	22.82	22.82			
100	P12 BPSK	135	0	22.40	22.40	22.42	24.0	0.0	
100	P12 BPSK	135	69	22.81	22.91	22.95	24.0	0.0	
100	P12 BPSK	135	138	22.33	22.37	22.41	24.0	0.0	
100	P12 BPSK	270	0	22.27	22.41	22.39			
100	QPSK	1	1	22.86	22.98	22.96			
100	QPSK	1	137	22.70	22.81	22.85	24.0	0.0	
100	QPSK	1	271	22.71	22.74	22.71			
100	QPSK	135	0	22.65	22.76	22.80	24.0	0.0	
100	QPSK	135	69	22.81	22.90	22.86	24.0	0.0	
100	QPSK	135	138	22.62	22.65	22.74	24.0	0.0	
100	QPSK	270	0	22.63	22.77	22.78			
100	16QAM	1	1	22.65	22.68	22.76	24.0	0.0	
100	64QAM	1	1	22.63	22.70	22.79	24.0	0.0	
100	256QAM	1	1	21.34	21.52	21.44	22.5	1.5	
Channel				508200	518598	529598	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.76	22.86	22.88	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.80	22.91	22.89	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	22.79	22.88	22.88	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.80	22.88	22.82	24.0	0.0	
Channel				503200	518598	533598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.71	22.88	22.85	0.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	22.62	22.91	22.80	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.72	22.86	22.80	0.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.79	22.86	22.83	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.83	22.89	22.79	0.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.72	22.88	22.87	24.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.76	22.82	22.80	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.78	22.93	22.86	24.0	0.0	

n41 PC2 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				509202	518598	529000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	24.44	24.46	24.35			
100	P12 BPSK	1	137	24.37	24.34	24.36	26.0	0.0	
100	P12 BPSK	1	271	24.32	24.34	24.31			
100	P12 BPSK	135	0	23.93	23.97	23.92	25.5	0.5	
100	P12 BPSK	135	69	24.56	24.56	24.52	26.0	0.0	
100	P12 BPSK	135	138	23.98	23.99	23.98	25.5	0.5	
100	P12 BPSK	270	0	23.97	24.03	23.95			
100	QPSK	1	1	24.50	24.50	24.48			
100	QPSK	1	137	24.43	24.48	24.44	26.0	0.0	
100	QPSK	1	271	24.39	24.33	24.29			
100	QPSK	135	0	23.57	23.83	23.51	25.0	1.0	
100	QPSK	135	69	24.37	24.41	24.38	26.0	0.0	
100	QPSK	135	138	23.51	23.50	23.49	25.0	1.0	
100	QPSK	270	0	23.53	23.55	23.44			
100	16QAM	1	1	23.48	23.44	23.48	25.0	1.0	
100	64QAM	1	1	22.17	22.16	22.10	23.5	2.5	
100	256QAM	1	1	20.08	20.08	20.06	21.5	4.5	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	24.37	24.55	24.34	26.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	24.43	24.55	24.36	26.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	24.40	24.52	24.41	26.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	24.39	24.48	24.36	26.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	24.31	24.50	24.39	26.0	0.0	
Channel				503200	518598	533998	Tune-up limit (dBm)	MPR (dB)	
45	QPSK	1	1	24.30	24.56	24.35	26.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	24.16	24.53	24.30	26.0	0.0	
Channel				501204	518598	534988	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	24.07	24.52	24.29	26.0	0.0	
Channel				500200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	24.00	24.51	24.32	26.0	0.0	
Channel				499200	518598	535000	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	23.99	24.51	24.32	26.0	0.0	
Channel				498204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	24.44	24.43	24.36	26.0	0.0	
Channel				497000	518598	536998	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	24.03	24.51	24.40	26.0	0.0	
Channel				496000	518598	537000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	24.01	24.49	24.34	26.0	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				374500	376000	376900	16.4	0.0
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	15.56	15.52	15.39	16.4	0.0
40	PI2 BPSK	1	108	15.42	15.46	15.32		
40	PI2 BPSK	1	214	15.35	15.46	15.30	16.4	0.0
40	PI2 BPSK	108	0	15.57	15.55	15.37		
40	PI2 BPSK	108	54	15.29	15.43	15.39	16.4	0.0
40	PI2 BPSK	108	108	15.27	15.46	15.30		
40	PI2 BPSK	216	0	15.39	15.48	15.42	16.4	0.0
40	QPSK	1	1	15.57	15.60	15.60		
40	QPSK	1	108	15.43	15.56	15.53	16.4	0.0
40	QPSK	1	214	15.48	15.63	15.47		
40	QPSK	108	0	15.26	15.33	15.21	16.4	0.0
40	QPSK	108	54	15.47	15.59	15.47		
40	QPSK	108	108	15.22	15.33	15.32	16.4	0.0
40	QPSK	216	0	15.20	15.35	15.17		
40	16QAM	1	1	15.26	15.36	15.26	16.4	0.0
40	64QAM	1	1	15.29	15.36	15.26		
40	256QAM	1	1	15.36	15.36	15.23	16.4	0.0
Channel				372000	376000	376500		
Frequency (MHz)				1867.5	1880	1892.5	16.4	0.0
35	QPSK	1	1	15.44	15.60	15.47		
Channel				373000	376000	379000	16.4	0.0
Frequency (MHz)				1865	1870	1895		
30	QPSK	1	1	15.49	15.59	15.46	16.4	0.0
Channel				372500	376000	379500		
Frequency (MHz)				1862.5	1880	1897.5	16.4	0.0
25	QPSK	1	1	15.53	15.54	15.47		
Channel				372000	376000	380000	16.4	0.0
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	15.43	15.60	15.45	16.4	0.0
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5	16.4	0.0
15	QPSK	1	1	15.49	15.59	15.47		
Channel				371000	376000	381000	16.4	0.0
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	15.48	15.59	15.45	16.4	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1897.5	16.4	0.0
5	QPSK	1	1	15.44	15.64	15.53		

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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				168500	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.89	23.00	22.91	24.0	0.0
20	PI2 BPSK	1	67	22.93	22.96	22.92		
20	PI2 BPSK	1	131	22.89	22.91	22.88	23.5	0.5
20	PI2 BPSK	64	0	22.48	22.58	22.52		
20	PI2 BPSK	64	35	23.07	23.08	23.07	24.0	0.0
20	PI2 BPSK	64	69	22.44	22.52	22.54		
20	PI2 BPSK	128	0	22.45	22.55	22.47	23.5	0.5
20	QPSK	1	1	23.06	23.11	23.04		
20	QPSK	1	67	22.92	22.92	22.98	24.0	0.0
20	QPSK	1	131	22.85	22.88	22.83		
20	QPSK	64	0	22.10	22.15	22.11	23.0	1.0
20	QPSK	64	35	22.87	22.97	22.86		
20	QPSK	64	69	22.03	22.01	22.09	23.0	1.0
20	QPSK	128	0	22.04	22.05	22.04		
20	16QAM	1	1	21.97	22.06	21.97	23.0	1.0
20	64QAM	1	1	20.57	20.61	20.59		
20	256QAM	1	1	18.61	18.67	18.57	19.5	4.5
Channel				168300	167300	168300		
Frequency (MHz)				831.5	836.5	841.5	24.0	0.0
15	QPSK	1	1	22.95	23.04	22.89		
Channel				165800	167300	168800	24.0	0.0
Frequency (MHz)				820	836.5	844		
10	QPSK	1	1	22.84	22.96	22.89	24.0	0.0
Channel				165300	167300	169300		
Frequency (MHz)				826.5	836.5	846.5	24.0	0.0
5	QPSK	1	1	22.92	23.05	22.97		

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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				141300	141500	141700	24.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.89	23.05	22.87	24.0	0.0
15	PI2 BPSK	1	40	22.78	22.99	22.79		
15	PI2 BPSK	1	77	22.76	22.92	22.78	23.5	0.5
15	PI2 BPSK	36	0	22.45	22.56	22.44		
15	PI2 BPSK	36	22	22.93	23.12	22.97	24.0	0.0
15	PI2 BPSK	36	43	22.41	22.57	22.37		
15	PI2 BPSK	75	0	22.35	22.58	22.43	23.5	0.5
15	QPSK	1	1	22.95	23.16	23.03		
15	QPSK	1	40	22.88	23.03	22.86	24.0	0.0
15	QPSK	1	77	22.84	22.99	22.74		
15	QPSK	36	0	22.06	22.17	21.96	23.0	1.0
15	QPSK	36	22	22.85	22.99	22.86		
15	QPSK	36	43	21.96	22.08	21.96	23.0	1.0
15	QPSK	75	0	21.98	22.08	21.95		
15	16QAM	1	1	21.91	22.05	21.90	23.0	1.0
15	64QAM	1	1	20.56	20.67	20.57		
15	256QAM	1	1	18.50	18.63	18.52	19.5	4.5
Channel				143300	141500	142200		
Frequency (MHz)				704	707.5	711	24.0	0.0
10	QPSK	1	1	22.80	23.01	22.90		
Channel				140300	141500	142700	24.0	0.0
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.80	23.08	22.89	24.0	0.0



n14 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				158500					
Frequency (MHz)				793					
10	PI2 BPSK	1	1		23.02			24.0	0.0
10	PI2 BPSK	1	26		22.96				
10	PI2 BPSK	1	50		22.92				
10	PI2 BPSK	25	0		22.82			23.5	0.5
10	PI2 BPSK	25	14		23.12			24.0	0.0
10	PI2 BPSK	25	27		22.48			23.5	0.5
10	PI2 BPSK	50	0		22.49				
10	QPSK	1	1		23.17			24.0	0.0
10	QPSK	1	26		23.02				
10	QPSK	1	50		22.91				
10	QPSK	25	0		22.19			23.0	1.0
10	QPSK	25	14		23.02			24.0	0.0
10	QPSK	25	27		22.12			23.0	1.0
10	QPSK	50	0		22.07				
10	16QAM	1	1		22.03			23.0	1.0
10	64QAM	1	1		20.69			21.5	2.5
10	256QAM	1	1		18.67			19.5	4.5
Channel				158100	158500	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				790.5	793	795.5			
5	QPSK	1	1	23.09	23.07	23.00	24.0	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				372000	376500	379000			
Frequency (MHz)				1870	1882.5	1885			
40	PI2 BPSK	1	1	15.48	15.50	15.34		16.4	0.0
40	PI2 BPSK	1	108	15.29	15.40	15.31			
40	PI2 BPSK	1	214	15.26	15.38	15.20			
40	PI2 BPSK	108	0	15.39	15.51	15.35		16.4	0.0
40	PI2 BPSK	108	54	15.23	15.38	15.27		16.4	0.0
40	PI2 BPSK	108	108	15.19	15.38	15.28		16.4	0.0
40	PI2 BPSK	216	0	15.33	15.34	15.33			
40	QPSK	1	1	15.46	15.57	15.43		16.4	0.0
40	QPSK	1	108	15.34	15.54	15.43			
40	QPSK	1	214	15.38	15.56	15.38			
40	QPSK	108	0	15.12	15.23	15.22		16.4	0.0
40	QPSK	108	54	15.25	15.52	15.36		16.4	0.0
40	QPSK	108	108	15.16	15.16	15.23		16.4	0.0
40	QPSK	216	0	15.04	15.25	15.08			
40	16QAM	1	1	15.26	15.30	15.19		16.4	0.0
40	64QAM	1	1	15.24	15.28	15.15		16.4	0.0
40	256QAM	1	1	15.20	15.28	15.23		16.4	0.0
Channel				372500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1882.5	1897.5			
35	QPSK	1	1	15.35	15.44	15.34		16.4	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1905	1892.5	1900			
30	QPSK	1	1	15.35	15.44	15.34		16.4	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1882.5	1902.5			
25	QPSK	1	1	15.38	15.49	15.30		16.4	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1906			
20	QPSK	1	1	15.39	15.46	15.31		16.4	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5			
15	QPSK	1	1	15.44	15.51	15.30		16.4	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910			
10	QPSK	1	1	15.36	15.44	15.33		16.4	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5			
5	QPSK	1	1	15.33	15.45	15.37		16.4	0.0

n26 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				824000	826500	827000			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.81	23.05	22.99		24.0	0.0
20	PI2 BPSK	1	53	22.67	22.92	22.97			
20	PI2 BPSK	1	104	22.73	22.87	22.90			
20	PI2 BPSK	50	0	22.34	22.55	22.51		23.5	0.5
20	PI2 BPSK	50	28	22.83	23.13	23.09		24.0	0.0
20	PI2 BPSK	50	56	22.29	22.57	22.50		23.5	0.5
20	PI2 BPSK	100	0	22.31	22.48	22.53			
20	QPSK	1	1	22.84	23.14	23.05		24.0	0.0
20	QPSK	1	53	22.74	22.96	22.95			
20	QPSK	1	104	22.68	22.88	22.94			
20	QPSK	50	0	21.88	22.08	22.11		23.0	1.0
20	QPSK	50	28	22.70	23.03	22.91		24.0	0.0
20	QPSK	50	56	21.80	22.12	22.06		23.0	1.0
20	QPSK	100	0	21.92	22.13	22.05			
20	16QAM	1	1	21.85	22.03	22.02		23.0	1.0
20	64QAM	1	1	20.42	20.75	20.72		21.5	2.5
20	256QAM	1	1	18.37	18.62	18.64		19.5	4.5
Channel				824000	826500	827000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				7.5	0	-7.5			
15	QPSK	1	1	22.72	23.01	22.92	#REF!	#REF!	#REF!
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				0	0	0			
10	QPSK	1	1	22.89	22.99	22.89		24.0	0.0
Channel				#DIV/0!	#DIV/0!	#DIV/0!	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2.5	0	-2.5			
5	QPSK	1	1	22.76	23.01	22.97		24.0	0.0



n30 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				462000				
Frequency (MHz)				2310				
10	PI/2 BPSK	1	1		15.33			
10	PI/2 BPSK	1	26		15.11		16.3	0.0
10	PI/2 BPSK	1	50		15.09		16.3	0.0
10	PI/2 BPSK	25	0		15.28		16.3	0.0
10	PI/2 BPSK	25	14		15.21		16.3	0.0
10	PI/2 BPSK	25	27		15.21		16.3	0.0
10	PI/2 BPSK	50	0		15.20		16.3	0.0
10	QPSK	1	1		15.34			
10	QPSK	1	26		15.27		16.3	0.0
10	QPSK	1	50		15.26			
10	QPSK	25	0		14.99		16.3	0.0
10	QPSK	25	14		15.24		16.3	0.0
10	QPSK	25	27		14.98		16.3	0.0
10	QPSK	50	0		15.05		16.3	0.0
10	16QAM	1	1		15.16		16.3	0.0
10	64QAM	1	1		15.08		16.3	0.0
10	256QAM	1	1		15.08		16.3	0.0
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	1	15.20	15.25	15.27	16.3	0.0

n66 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				345000		350000		
Frequency (MHz)				1730		1745	1760	
40	PI/2 BPSK	1	1		16.93	16.93	16.84	
40	PI/2 BPSK	1	108		16.76	16.74	16.75	
40	PI/2 BPSK	1	214		16.69	16.83	16.66	17.8
40	PI/2 BPSK	108	0		16.92	16.90	16.68	17.8
40	PI/2 BPSK	108	54		16.70	16.84	16.67	17.8
40	PI/2 BPSK	108	108		16.70	16.80	16.67	17.8
40	PI/2 BPSK	216	0		16.66	16.80	16.79	17.8
40	QPSK	1	1		16.95	16.97	16.99	
40	QPSK	1	108		16.77	16.90	16.84	17.8
40	QPSK	1	214		16.84	16.90	16.87	
40	QPSK	108	0		16.62	16.61	16.58	17.8
40	QPSK	108	54		16.69	16.92	16.78	17.8
40	QPSK	108	108		16.62	16.55	16.56	17.8
40	QPSK	216	0		16.44	16.74	16.61	17.8
40	16QAM	1	1		16.61	16.81	16.64	17.8
40	64QAM	1	1		16.62	16.76	16.56	17.8
40	256QAM	1	1		16.61	16.72	16.62	17.8
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1		16.85	16.87	16.76	17.8
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1		16.85	16.87	16.76	17.8
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1		16.81	16.93	16.80	17.8
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1		16.91	16.82	16.77	17.8
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1		16.86	16.93	16.80	17.8
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1		16.83	16.82	16.82	17.8
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1		16.85	16.91	16.78	17.8

n70 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				340000				
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1		17.28			
15	PI/2 BPSK	1	40		17.10		18.5	0.0
15	PI/2 BPSK	1	77		17.12		18.5	0.0
15	PI/2 BPSK	36	0		17.22		18.5	0.0
15	PI/2 BPSK	36	22		17.12		18.5	0.0
15	PI/2 BPSK	36	43		17.07		18.5	0.0
15	PI/2 BPSK	75	0		17.13		18.5	0.0
15	QPSK	1	1		17.33			
15	QPSK	1	40		17.25		18.5	0.0
15	QPSK	1	77		17.29			
15	QPSK	36	0		16.90		18.5	0.0
15	QPSK	36	22		17.18		18.5	0.0
15	QPSK	36	43		16.87		18.5	0.0
15	QPSK	75	0		16.96		18.5	0.0
15	16QAM	1	1		17.02		18.5	0.0
15	64QAM	1	1		17.02		18.5	0.0
15	256QAM	1	1		17.02		18.5	0.0
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1		17.27	17.28	17.17	18.5
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1		17.23	17.21	17.25	18.5

n71 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				136100			24.0	0.0
Frequency (MHz)				680.5				
35	PI2 BPSK	1	1		23.25		24.0	0.0
35	PI2 BPSK	1	82		23.18			
35	PI2 BPSK	1	184		23.14		23.5	0.5
35	PI2 BPSK	94	0		22.79			
35	PI2 BPSK	94	47		23.24		24.0	0.0
35	PI2 BPSK	94	94		22.77			
35	PI2 BPSK	188	0		22.74		23.5	0.5
35	QPSK	1	1		23.26			
35	QPSK	1	92		23.21		24.0	0.0
35	QPSK	1	184		23.11			
35	QPSK	94	0		22.28		23.0	1.0
35	QPSK	94	47		23.23			
35	QPSK	94	94		22.28		24.0	0.0
35	QPSK	188	0		22.31			
35	16QAM	1	1		22.22		23.0	1.0
35	64QAM	1	1		20.91			
35	256QAM	1	1		18.88		21.5	2.5
Channel				136600	136100	136600	19.5	4.5
Frequency (MHz)				678	680.5	683	Tune-up limit (dBm) MPR (dB)	
30	QPSK	1	1	23.09	23.14	23.17	24.0	0.0
Channel				136100	136100	137100	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				675.5	680.5	685.5	Tune-up limit (dBm) MPR (dB)	
25	QPSK	1	1	23.01	23.16	23.18	24.0	0.0
Channel				134600	135100	137600	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				673	680.5	688	Tune-up limit (dBm) MPR (dB)	
20	QPSK	1	1	23.01	23.14	23.10	24.0	0.0
Channel				134100	136100	138100	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				670.5	680.5	685.5	Tune-up limit (dBm) MPR (dB)	
15	QPSK	1	1	23.05	23.12	23.13	24.0	0.0
Channel				133600	136100	136600	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				668	680.5	693	Tune-up limit (dBm) MPR (dB)	
10	QPSK	1	1	23.09	23.14	23.08	24.0	0.0
Channel				133100	136100	135100	Tune-up limit (dBm) MPR (dB)	
Frequency (MHz)				665.5	680.5	685.5	Tune-up limit (dBm) MPR (dB)	
5	QPSK	1	1	23.02	23.13	23.14	24.0	0.0

n38 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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.20	16.25	16.09			
40	PI/2 BPSK	1	53	16.02	16.06	15.96	17.3	0.0	
40	PI/2 BPSK	1	104	16.04	16.07	15.97			
40	PI/2 BPSK	50	0	16.16	16.23	16.05	17.3	0.0	
40	PI/2 BPSK	50	28	16.00	16.10	16.11	17.3	0.0	
40	PI/2 BPSK	50	56	15.98	16.19	16.08	17.3	0.0	
40	PI/2 BPSK	100	0	16.02	16.12	15.95			
40	QPSK	1	1	16.25	16.30	16.26			
40	QPSK	1	53	16.10	16.19	16.19	17.3	0.0	
40	QPSK	1	104	16.09	16.23	16.15			
40	QPSK	50	0	15.87	15.92	15.89	17.3	0.0	
40	QPSK	50	28	16.11	16.16	16.03	17.3	0.0	
40	QPSK	50	56	15.80	15.86	15.90			
40	QPSK	100	0	15.76	16.01	15.85	17.3	0.0	
40	16QAM	1	1	15.86	16.01	15.93	17.3	0.0	
40	64QAM	1	1	15.96	16.03	15.86	17.3	0.0	
40	256QAM	1	1	15.92	16.09	15.88	17.3	0.0	
Channel				517002	518000	518998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	16.20	16.17	16.19	17.3	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2552.52	2595	2607.48			
25	QPSK	1	1	16.15	16.19	16.14	17.3	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	16.19	16.18	16.23	17.3	0.0	
Channel				515502	519000	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.14	16.26	16.23	17.3	0.0	
Channel				515004	519000	525996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.20	16.24	16.19	17.3	0.0	

n41 PC3/PC2 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				502002	518998	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.26	16.34	16.19			
100	PI/2 BPSK	1	137	16.11	16.19	16.07	17.3	0.0	
100	PI/2 BPSK	1	271	16.11	16.17	16.01			
100	PI/2 BPSK	135	0	16.26	16.35	16.09	17.3	0.0	
100	PI/2 BPSK	135	69	16.09	16.24	16.17	17.3	0.0	
100	PI/2 BPSK	135	136	16.03	16.24	16.12	17.3	0.0	
100	PI/2 BPSK	270	0	16.09	16.21	16.09			
100	QPSK	1	1	16.32	16.45	16.33			
100	QPSK	1	137	16.16	16.26	16.30	17.3	0.0	
100	QPSK	1	271	16.15	16.26	16.22			
100	QPSK	135	0	16.01	16.02	16.04	17.3	0.0	
100	QPSK	135	69	16.15	16.24	16.18	17.3	0.0	
100	QPSK	135	136	15.94	15.85	15.97			
100	QPSK	270	0	15.86	16.12	15.84	17.3	0.0	
100	16QAM	1	1	15.99	16.10	16.02	17.3	0.0	
100	64QAM	1	1	16.05	16.15	15.99	17.3	0.0	
100	256QAM	1	1	16.04	16.19	16.01	17.3	0.0	
Channel				502002	518998	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.23	16.33	16.23	17.3	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2530.02	2592.99	2649.99			
80	QPSK	1	1	16.10	16.20	16.22	17.3	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	16.17	16.33	16.19	17.3	0.0	
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	16.26	16.40	16.21	17.3	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.19	16.37	16.19	17.3	0.0	
Channel				503200	518998	533996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	16.17	16.33	16.19	17.3	0.0	
Channel				502202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510.01	2592.99	2670			
40	QPSK	1	1	16.10	16.31	16.21	17.3	0.0	
Channel				502704	518998	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.19	16.41	16.22	17.3	0.0	
Channel				502200	518998	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.25	16.40	16.20	17.3	0.0	
Channel				501702	518998	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.51	2592.99	2677.5			
25	QPSK	1	1	16.20	16.41	16.18	17.3	0.0	
Channel				501204	518998	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.17	16.39	16.25	17.3	0.0	
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.43			
16	QPSK	1	1	16.17	16.39	16.19	17.3	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.23	16.29	16.25	17.3	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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl/2 BPSK	1	1	22.38	22.69	22.34	24.0	0.0	
50	Pl/2 BPSK	1	135	22.33	22.64	22.24			
50	Pl/2 BPSK	1	268	22.31	22.65	22.29			
50	Pl/2 BPSK	135	0	21.88	22.27	21.88		23.5	
50	Pl/2 BPSK	135	68	22.46	22.75	22.45		24.0	
50	Pl/2 BPSK	135	135	21.92	22.28	21.78	23.5	0.5	
50	Pl/2 BPSK	270	0	21.96	22.21	21.79			
50	QPSK	1	1	22.45	22.81	22.42	24.0	0.0	
50	QPSK	1	135	22.35	22.73	22.32			
50	QPSK	1	268	22.34	22.57	22.28			
50	QPSK	135	0	21.47	21.87	21.43		23.0	
50	QPSK	135	68	22.33	22.65	22.25		24.0	
50	QPSK	135	135	21.38	21.81	21.33	23.0	1.0	
50	QPSK	270	0	21.52	21.74	21.38			
50	16QAM	1	1	21.47	21.80	21.37	23.0	1.0	
50	64QAM	1	1	20.05	20.42	19.95		21.5	
50	256QAM	1	1	18.01	18.30	17.92	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24.0	0.0	
40	QPSK	1	1	22.32	22.71	22.32	24.0	0.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	24.0	0.0	
35	QPSK	1	1	22.30	22.65	22.31	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24.0	0.0	
30	QPSK	1	1	22.32	22.68	22.30	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	QPSK	1	1	22.35	22.75	22.36	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	24.0	0.0	
20	Pl/2 BPSK	1	1	22.35	22.68	22.32	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	QPSK	1	1	22.38	22.76	22.32	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	QPSK	1	1	22.32	22.71	22.30	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	QPSK	1	1	22.38	22.68	22.32	24.0	0.0	

n30 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				460500	462500		24.0	0.0	
Frequency (MHz)				2310	2310				
10	Pl/2 BPSK	1	1		23.27		24.0	0.0	
10	Pl/2 BPSK	1	26		23.24				
10	Pl/2 BPSK	1	50		23.16				
10	Pl/2 BPSK	25	0		22.87			23.5	0.5
10	Pl/2 BPSK	25	14		23.31			24.0	0.0
10	Pl/2 BPSK	25	27		22.75		23.5	0.5	
10	Pl/2 BPSK	50	0		22.82				
10	QPSK	1	1		23.41		24.0	0.0	
10	QPSK	1	26		23.24				
10	QPSK	1	50		23.16				
10	QPSK	25	0		22.39			23.0	1.0
10	QPSK	25	14		23.24			24.0	0.0
10	QPSK	25	27		22.32		23.0	1.0	
10	QPSK	50	0		22.34				
10	16QAM	1	1		22.36		23.0	1.0	
10	64QAM	1	1		20.90		21.5	2.5	
10	256QAM	1	1		18.95		19.5	4.5	
Channel				461500	462500	463500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0 <td colspan="2" rowspan="2">0.0</td>	0.0	
5	QPSK	1	1	23.28	23.31	23.33	24.0		



n38 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)				518004	519000	519996			
40	P12 BPSK	1	1	22.86	23.03	22.83	24.0	0.0	
40	P12 BPSK	1	53	22.80	22.94	22.78			
40	P12 BPSK	1	104	22.87	22.94	22.75			
40	P12 BPSK	50	0	22.42	22.51	22.32	23.5	0.5	
40	P12 BPSK	50	28	22.92	23.06	22.87	24.0	0.0	
40	P12 BPSK	50	58	22.43	22.54	22.35	23.5	0.5	
40	P12 BPSK	100	0	22.36	22.55	22.33			
40	QPSK	1	1	23.04	23.15	22.88			
40	QPSK	1	53	22.86	23.00	22.82	24.0	0.0	
40	QPSK	1	104	22.82	22.91	22.72			
40	QPSK	50	0	21.95	22.11	21.96			
40	QPSK	50	28	22.90	22.98	22.77	24.0	1.0	
40	QPSK	50	58	21.96	22.03	21.87	23.0	1.0	
40	QPSK	100	0	21.94	22.04	21.93			
40	16QAM	1	1	21.88	22.04	21.78	23.0	1.0	
40	64QAM	1	1	20.59	20.74	20.46	21.5	2.5	
40	256QAM	1	1	18.51	18.69	18.43	19.5	4.5	
Channel				517002	519000	520998	Tune-up limit (dbm)	MPR (db)	
30	QPSK	1	1	22.98	23.09	22.82	24.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2552.52	2595	2607.48			
25	QPSK	1	1	22.88	23.06	22.74	24.0	0.0	
Channel				518000	519000	522000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.89	23.09	22.79	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2677.51	2595	2612.49			
15	QPSK	1	1	22.94	23.00	22.79	24.0	0.0	
Channel				519004	518000	522996	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.97	23.06	22.77	24.0	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									
Frequency (MHz)				508202	518598	523596			
				2584.01	2592.99	2640			
100	P12 BPSK	1	1	23.16	23.20	22.90	24.0	0.0	
100	P12 BPSK	1	137	23.05	23.08	22.85			
100	P12 BPSK	1	271	23.05	23.09	22.83			
100	P12 BPSK	135	0	22.70	22.78	22.50	24.0	0.0	
100	P12 BPSK	135	69	23.22	23.30	22.94	24.0	0.0	
100	P12 BPSK	135	138	22.59	22.69	22.39	24.0	0.0	
100	P12 BPSK	270	0	22.70	22.73	22.41	24.0	0.0	
100	QPSK	1	1	23.21	23.33	23.05			
100	QPSK	1	137	23.13	23.12	22.94			
100	QPSK	1	271	23.01	23.08	22.85	24.0	0.0	
100	QPSK	135	0	23.10	23.18	23.01			
100	QPSK	135	69	23.14	23.20	22.86			
100	QPSK	135	138	23.07	23.17	22.95	24.0	0.0	
100	QPSK	270	0	23.02	23.14	22.90	24.0	0.0	
100	16QAM	1	1	23.03	23.08	22.86			
100	64QAM	1	1	23.02	23.04	22.97	24.0	0.0	
100	256QAM	1	1	21.72	21.87	21.57	22.5	1.5	
Channel				508200	518598	523596	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	23.11	23.16	22.89	24.0	0.0	
Channel				507204	518598	523998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2636.02	2592.99	2643.99			
80	QPSK	1	1	23.10	23.22	22.92	24.0	0.0	
Channel				509202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.06	23.17	22.97	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2626	2592.99	2659.99			
60	QPSK	1	1	23.14	23.19	22.91	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	23.08	23.23	22.97	24.0	0.0	
Channel				503202	518598	533596	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	23.05	23.23	22.93	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	23.07	23.22	22.91	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	23.13	23.25	22.97	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2611	2592.99	2674.98			
30	QPSK	1	1	23.14	23.17	22.95	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	23.11	23.23	22.92	24.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.13	23.24	22.88	24.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.07	23.21	22.90	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.08	23.19	22.96	24.0	0.0	

n41 PC2 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)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	26.04	26.16	25.72	27.0	0.0	
100	P12 BPSK	1	137	25.92	26.08	25.65			
100	P12 BPSK	1	271	25.90	26.07	25.63			
100	P12 BPSK	135	0	25.49	25.67	25.34	26.5	0.5	
100	P12 BPSK	135	69	26.01	26.20	25.82	27.0	0.0	
100	P12 BPSK	135	138	25.56	25.81	25.32	26.5	0.5	
100	P12 BPSK	270	0	25.58	25.62	25.32	27.0	0.0	
100	QPSK	1	1	26.06	26.22	25.99			
100	QPSK	1	137	25.98	26.10	25.78			
100	QPSK	1	271	25.87	26.03	25.63	26.0	1.0	
100	QPSK	135	0	25.16	25.28	24.93			
100	QPSK	135	69	25.94	26.10	25.70			
100	QPSK	135	138	25.92	26.19	24.97	26.0	1.0	
100	QPSK	270	0	25.02	25.19	24.83	26.0	1.0	
100	16QAM	1	1	25.01	25.21	24.80			
100	64QAM	1	1	23.64	23.81	23.43	24.5	2.5	
100	256QAM	1	1	21.67	21.73	21.33	22.5	4.5	
Channel				535202	518598	535996	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	25.93	26.14	25.81	27.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2548.01	2592.99	2640			
80	QPSK	1	1	26.02	26.10	25.74	27.0	0.0	
Channel				506302	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.98	26.10	25.60	27.0	0.0	
Channel				505202	518598	531006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2656.98			
60	QPSK	1	1	26.02	26.17	25.80	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.02	2592.99	2664.99			
50	QPSK	1	1	25.95	26.09	25.81	27.0	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	26.06	26.10	25.72	27.0	0.0	
Channel				502802	518598	534002	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	26.00	26.15	25.79	27.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	26.03	26.13	25.83	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.98	26.12	25.79	27.0	0.0	
Channel				501702	518598	535502	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2509.51	2592.99	2677.5			
25	QPSK	1	1	26.00	26.15	25.74	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2509.02	2592.99	2679.99			
20	QPSK	1	1	26.01	26.11	25.79	27.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	26.03	26.15	25.76	27.0	0.0	
Channel				500202	518598	536902	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	26.02	26.11	25.74	27.0	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				636000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	23.28	23.42	23.19		
40	PI2 BPSK	1	108	23.29	23.29	23.16	24.0	0.0
40	PI2 BPSK	1	214	23.23	23.27	23.16		
40	PI2 BPSK	108	0	22.86	22.96	22.75	23.5	0.5
40	PI2 BPSK	108	54	23.41	23.41	23.26	24.0	0.0
40	PI2 BPSK	108	108	22.85	22.87	22.77	23.5	0.5
40	PI2 BPSK	216	0	22.83	22.88	22.74		
40	QPSK	1	1	23.40	23.47	23.36		
40	QPSK	1	198	23.27	23.33	23.16	24.0	0.0
40	QPSK	1	214	23.25	23.33	23.09		
40	QPSK	108	0	22.39	22.43	22.30	23.0	1.0
40	QPSK	108	54	23.28	23.29	23.16	24.0	0.0
40	QPSK	108	108	22.40	22.42	22.34	23.0	1.0
40	QPSK	216	0	22.34	22.48	22.30		
40	16QAM	1	1	22.35	22.40	22.32	23.0	1.0
40	64QAM	1	1	20.99	21.00	20.89	21.5	2.5
40	256QAM	1	1	18.89	18.99	18.87	19.5	4.5
Channel				637000	641666	645006		
Frequency (MHz)				3595.02	3624.99	3694.99		
30	QPSK	1	1	23.30	23.36	23.26	24.0	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3590.01	3624.99	3690		
20	QPSK	1	1	23.32	23.36	23.10	24.0	0.0
Channel				637168	641666	646166		
Frequency (MHz)				3597.52	3624.99	3692.49		
15	QPSK	1	1	23.25	23.39	23.22	24.0	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3605	3624.99	3694.98		
10	QPSK	1	1	23.26	23.31	23.30	24.0	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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	23.13	23.27	23.00		
100	PI2 BPSK	1	137	22.99	23.22	22.93	24.0	0.0
100	PI2 BPSK	1	271	23.01	23.10	22.90		
100	PI2 BPSK	135	0	22.60	22.79	22.53	24.0	0.0
100	PI2 BPSK	135	69	23.19	23.27	23.02	24.0	0.0
100	PI2 BPSK	135	138	22.62	22.71	22.47	24.0	0.0
100	PI2 BPSK	270	0	22.64	22.79	22.44		
100	QPSK	1	1	23.16	23.26	23.03		
100	QPSK	1	137	23.16	23.16	23.07	24.0	0.0
100	QPSK	1	271	23.14	23.19	22.93		
100	QPSK	135	0	23.16	23.24	23.13	24.0	0.0
100	QPSK	135	69	23.23	23.25	22.94	24.0	0.0
100	QPSK	135	138	23.09	23.24	23.06		
100	QPSK	270	0	23.14	23.23	22.99	24.0	0.0
100	16QAM	1	1	23.06	23.16	22.92	24.0	0.0
100	64QAM	1	1	23.08	23.10	23.04	24.0	0.0
100	256QAM	1	1	21.80	21.88	21.59	22.5	1.5
Channel				649698	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.99	23.19	22.93	24.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.01	23.30	22.97	24.0	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.01	23.25	22.89	24.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.05	23.27	22.88	24.0	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.07	23.30	22.97	24.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.02	23.29	22.93	24.0	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.00	23.23	22.88	24.0	0.0
Channel				647500	656000	664500		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.03	23.31	22.94	24.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.09	23.27	22.95	24.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.02	23.25	22.94	24.0	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.05	23.29	22.86	24.0	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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	25.74	26.20	25.87		
100	PI2 BPSK	1	137	25.74	26.18	25.74	27.0	0.0
100	PI2 BPSK	1	271	25.70	26.22	25.75		
100	PI2 BPSK	135	0	25.39	25.82	25.36	26.5	0.5
100	PI2 BPSK	135	69	25.92	26.30	25.94	27.0	0.0
100	PI2 BPSK	135	138	25.28	25.77	25.43	26.5	0.5
100	PI2 BPSK	270	0	25.31	25.72	25.38		
100	QPSK	1	1	25.89	26.37	26.00		
100	QPSK	1	137	25.70	26.21	25.85	27.0	0.0
100	QPSK	1	271	25.68	26.11	25.71		
100	QPSK	135	0	24.87	25.42	25.01	26.0	1.0
100	QPSK	135	69	25.76	26.24	25.81	27.0	0.0
100	QPSK	135	138	24.96	25.35	24.88	26.0	1.0
100	QPSK	270	0	24.85	25.39	24.96		
100	16QAM	1	1	24.85	25.25	24.91	26.0	1.0
100	64QAM	1	1	23.43	23.97	23.52	24.5	2.5
100	256QAM	1	1	21.47	21.90	21.45	22.5	4.5
Channel				649998	656000	662334		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.75	26.21	25.91	27.0	0.0
Channel				649334	656000	662668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.80	26.22	25.89	27.0	0.0
Channel				649000	656000	663000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.84	26.24	25.84	27.0	0.0
Channel				648668	656000	663334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.82	26.26	25.90	27.0	0.0
Channel				648334	656000	663668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.80	26.25	25.95	27.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.81	26.29	25.94	27.0	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.82	26.29	25.89	27.0	0.0
Channel				647500	656000	664500		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	25.72	26.30	25.86	27.0	0.0
Channel				647334	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.78	26.30	25.92	27.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.76	26.30	25.84	27.0	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.77	26.24	25.92	27.0	0.0



Part27Q n77 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					3500.01				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		23.38				
100	PI2 BPSK	1	137		23.33		24.0	0.0	
100	PI2 BPSK	1	271		23.37				
100	PI2 BPSK	135	0		22.90		24.0	0.0	
100	PI2 BPSK	135	69		23.48		24.0	0.0	
100	PI2 BPSK	135	138		22.93		24.0	0.0	
100	PI2 BPSK	270	0		22.87				
100	QPSK	1	1		23.01				
100	QPSK	1	137		23.29		24.0	0.0	
100	QPSK	1	271		23.33				
100	QPSK	135	0		23.48		24.0	0.0	
100	QPSK	135	69		23.39		24.0	0.0	
100	QPSK	135	138		23.43		24.0	0.0	
100	QPSK	270	0		23.39				
100	16QAM	1	1		23.25		24.0	0.0	
100	64QAM	1	1		23.26		24.0	0.0	
100	256QAM	1	1		22.14		22.5	1.5	
Channel					649668	633634	633668	Tune-up limit (dBm)	
Frequency (MHz)					3745.02	3500.01	3505.02	MPR (dB)	
90	QPSK	1	1	23.44	23.45	23.36	24.0	0.0	
Channel					632668	633334	634000	Tune-up limit (dBm)	
Frequency (MHz)					3490.02	3500.01	3510.00	MPR (dB)	
80	QPSK	1	1	23.34	23.37	23.40	24.0	0.0	
Channel					632334	633334	634334	Tune-up limit (dBm)	
Frequency (MHz)					3485.01	3500.01	3515.01	MPR (dB)	
70	QPSK	1	1	23.35	23.44	23.45	24.0	0.0	
Channel					632000	633334	634668	Tune-up limit (dBm)	
Frequency (MHz)					3480.00	3500.01	3520.02	MPR (dB)	
60	QPSK	1	1	23.45	23.41	23.43	24.0	0.0	
Channel					631668	633334	635000	Tune-up limit (dBm)	
Frequency (MHz)					3475.02	3500.01	3525.00	MPR (dB)	
50	QPSK	1	1	23.38	23.39	23.39	24.0	0.0	
Channel					631334	632334	633334	Tune-up limit (dBm)	
Frequency (MHz)					3470.01	3500.01	3530.01	MPR (dB)	
40	QPSK	1	1	23.43	23.41	23.34	24.0	0.0	
Channel					631000	633334	635668	Tune-up limit (dBm)	
Frequency (MHz)					3465.00	3500.01	3535.02	MPR (dB)	
30	QPSK	1	1	23.39	23.37	23.41	24.0	0.0	
Channel					630634	633334	635834	Tune-up limit (dBm)	
Frequency (MHz)					3462.51	3500.01	3537.51	MPR (dB)	
25	QPSK	1	1	23.42	23.36	23.45	24.0	0.0	
Channel					630368	633334	636000	Tune-up limit (dBm)	
Frequency (MHz)					3460.00	3500.01	3540.00	MPR (dB)	
20	QPSK	1	1	23.41	23.40	23.44	24.0	0.0	
Channel					630000	633334	636168	Tune-up limit (dBm)	
Frequency (MHz)					3457.50	3500.01	3542.52	MPR (dB)	
15	QPSK	1	1	23.41	23.41	23.37	24.0	0.0	
Channel					630334	633334	636334	Tune-up limit (dBm)	
Frequency (MHz)					3455.01	3500.01	3545.01	MPR (dB)	
10	QPSK	1	1	23.41	23.36	23.43	24.0	0.0	

Part27Q n77 PC2 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					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		26.35				
100	PI2 BPSK	1	137		26.31		27.0	0.0	
100	PI2 BPSK	1	271		26.25				
100	PI2 BPSK	135	0		25.98		26.5	0.5	
100	PI2 BPSK	135	69		26.40		27.0	0.0	
100	PI2 BPSK	135	138		25.96		26.5	0.5	
100	PI2 BPSK	270	0		25.90				
100	QPSK	1	1		26.49				
100	QPSK	1	137		26.34		27.0	0.0	
100	QPSK	1	271		26.32				
100	QPSK	135	0		25.50		26.0	1.0	
100	QPSK	135	69		26.32		27.0	0.0	
100	QPSK	135	138		25.41		26.0	1.0	
100	QPSK	270	0		25.42				
100	16QAM	1	1		25.44		26.0	1.0	
100	64QAM	1	1		24.12		24.5	2.5	
100	256QAM	1	1		22.00		22.5	4.5	
Channel					633000	633334	633668	Tune-up limit (dBm)	
Frequency (MHz)					3495.00	3500.01	3505.02	MPR (dB)	
90	QPSK	1	1	26.38	26.34	26.43	27.0	0.0	
Channel					632668	633334	634000	Tune-up limit (dBm)	
Frequency (MHz)					3490.02	3500.01	3510.00	MPR (dB)	
80	QPSK	1	1	26.41	26.42	26.42	27.0	0.0	
Channel					632334	633334	634334	Tune-up limit (dBm)	
Frequency (MHz)					3485.01	3500.01	3515.01	MPR (dB)	
70	QPSK	1	1	26.33	26.37	26.43	27.0	0.0	
Channel					632000	633334	634668	Tune-up limit (dBm)	
Frequency (MHz)					3480.00	3500.01	3520.02	MPR (dB)	
60	QPSK	1	1	26.36	26.41	26.34	27.0	0.0	
Channel					631668	633334	635000	Tune-up limit (dBm)	
Frequency (MHz)					3475.02	3500.01	3525.00	MPR (dB)	
50	QPSK	1	1	26.41	26.35	26.39	27.0	0.0	
Channel					631334	632334	633334	Tune-up limit (dBm)	
Frequency (MHz)					3470.01	3500.01	3530.01	MPR (dB)	
40	QPSK	1	1	26.41	26.32	26.42	27.0	0.0	
Channel					631000	633334	635668	Tune-up limit (dBm)	
Frequency (MHz)					3465.00	3500.01	3535.02	MPR (dB)	
30	QPSK	1	1	26.43	26.44	26.37	27.0	0.0	
Channel					630634	633334	635834	Tune-up limit (dBm)	
Frequency (MHz)					3462.51	3500.01	3537.51	MPR (dB)	
25	QPSK	1	1	26.36	26.33	26.43	27.0	0.0	
Channel					630368	633334	636000	Tune-up limit (dBm)	
Frequency (MHz)					3460.02	3500.01	3540.00	MPR (dB)	
20	QPSK	1	1	26.43	26.41	26.36	27.0	0.0	
Channel					630000	633334	636168	Tune-up limit (dBm)	
Frequency (MHz)					3457.50	3500.01	3542.52	MPR (dB)	
15	QPSK	1	1	26.44	26.37	26.33	27.0	0.0	
Channel					630334	633334	636334	Tune-up limit (dBm)	
Frequency (MHz)					3455.01	3500.01	3545.01	MPR (dB)	
10	QPSK	1	1	26.39	26.38	26.35	27.0	0.0	

Part27O n78 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				68000	66000	66000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		23.13				
100	PI2 BPSK	1	137		23.07		24.0		0.0
100	PI2 BPSK	1	271		23.12				
100	PI2 BPSK	135	0		22.68		24.0		0.0
100	PI2 BPSK	135	69		23.21		24.0		0.0
100	PI2 BPSK	135	138		22.64		24.0		0.0
100	PI2 BPSK	270	0		22.69				
100	QPSK	1	1		23.01				
100	QPSK	1	137		23.19		24.0		0.0
100	QPSK	1	271		23.11				
100	QPSK	135	0		23.21		24.0		0.0
100	QPSK	135	69		23.25		24.0		0.0
100	QPSK	135	138		23.16		24.0		0.0
100	QPSK	270	0		23.19				
100	16QAM	1	1		23.09		24.0		0.0
100	64QAM	1	1		23.05		24.0		0.0
100	256QAM	1	1		21.85		22.5		1.5
Channel				68660	65000	65034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3750.01			
90	QPSK	1	1		23.26	23.20	24.0		0.0
Channel				68934	65000	65068	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		23.21	23.20	24.0		0.0
Channel				68500	65000	65100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		23.20	23.26	23.19	24.0	0.0
Channel				68668	65000	65134	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3760.01			
60	QPSK	1	1		23.22	23.20	23.22	24.0	0.0
Channel				68334	65000	65168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		23.19	23.25	23.20	24.0	0.0
Channel				68000	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		23.27	23.17	23.26	24.0	0.0
Channel				68768	65000	65234	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		23.25	23.17	23.20	24.0	0.0
Channel				68760	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		23.24	23.15	23.15	24.0	0.0
Channel				68734	65000	65268	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3760.02			
20	QPSK	1	1		23.14	23.28	23.15	24.0	0.0
Channel				68768	65000	65284	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		23.23	23.21	23.26	24.0	0.0
Channel				68700	65000	65200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		23.16	23.22	23.26	24.0	0.0



Part270 n78 PC2 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				3750	3750	3750		
Frequency (MHz)								
100	PI2 BPSK	1	1		26.07		27.0	0.0
100	PI2 BPSK	1	137		26.07			
100	PI2 BPSK	1	271		26.01		26.5	0.5
100	PI2 BPSK	135	0		25.62			
100	PI2 BPSK	135	69		26.14		27.0	0.0
100	PI2 BPSK	135	138		25.63		26.5	0.5
100	PI2 BPSK	270	0		25.65		27.0	0.0
100	QPSK	1	1		26.20			
100	QPSK	1	137		26.14		27.0	0.0
100	QPSK	1	271		26.04			
100	QPSK	135	0		25.20		26.0	1.0
100	QPSK	135	69		26.13		27.0	0.0
100	QPSK	135	138		25.18		26.0	1.0
100	QPSK	270	0		25.15			
100	16QAM	1	1		25.11		26.0	1.0
100	64QAM	1	1		23.84		24.5	2.5
100	256QAM	1	1		21.72		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		26.06	26.15	26.04	27.0 0.0
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		26.14	26.05	26.12	27.0 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		26.04	26.09	26.10	27.0 0.0
Channel				646668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.09	3750	3770.01		
60	QPSK	1	1		26.14	26.13	26.09	27.0 0.0
Channel				646334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		26.08	26.12	26.04	27.0 0.0
Channel				649000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		26.07	26.15	26.14	27.0 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		26.06	26.09	26.14	27.0 0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1		26.12	26.04	26.05	27.0 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		26.05	26.09	26.05	27.0 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		26.05	26.11	26.11	27.0 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		26.14	26.13	26.12	27.0 0.0

Par27Q n78 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				633334	3500.01				
Frequency (MHz)									
100	PI2 BPSK	1	1		23.24		24.0	0.0	
100	PI2 BPSK	1	137		23.24				
100	PI2 BPSK	1	271		23.17		24.0	0.0	
100	PI2 BPSK	135	0		22.74				
100	PI2 BPSK	135	69		23.32		24.0	0.0	
100	PI2 BPSK	135	138		22.75		24.0	0.0	
100	PI2 BPSK	270	0		22.75				
100	QPSK	1	1		23.38		24.0	0.0	
100	QPSK	1	137		23.22				
100	QPSK	1	271		23.20		24.0	0.0	
100	QPSK	135	0		23.35				
100	QPSK	135	69		23.32		24.0	0.0	
100	QPSK	135	138		23.22		24.0	0.0	
100	QPSK	270	0		23.27				
100	16QAM	1	1		23.14		24.0	0.0	
100	64QAM	1	1		23.11		24.0	0.0	
100	256QAM	1	1		21.92		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		23.27	23.22	23.26	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.29	23.22	23.31	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.29	23.23	23.31	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		23.28	23.23	23.22	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.32	23.29	23.27	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.30	23.31	23.22	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		23.29	23.33	23.25	24.0	0.0
Channel				630668	633334	635834	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		23.29	23.33	23.22	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.33	23.33	23.22	24.0	0.0
Channel				630000	633334	636168	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.29	23.30	23.27	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.32	23.32	23.26	24.0	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				633334					
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		26.25		27.0	0.0	
100	PI2 BPSK	1	137		26.29				
100	PI2 BPSK	1	271		26.27		26.5	0.5	
100	PI2 BPSK	135	0		25.88				
100	PI2 BPSK	135	69		26.32		27.0	0.0	
100	PI2 BPSK	135	138		25.80		26.5	0.5	
100	PI2 BPSK	270	0		25.78				
100	QPSK	1	1		26.45		27.0	0.0	
100	QPSK	1	137		26.25				
100	QPSK	1	271		26.21		26.0	1.0	
100	QPSK	135	0		25.35				
100	QPSK	135	69		26.27		27.0	0.0	
100	QPSK	135	138		25.40		26.0	1.0	
100	QPSK	270	0		25.40				
100	16QAM	1	1		25.32		26.0	1.0	
100	64QAM	1	1		24.01		24.5	2.5	
100	256QAM	1	1		21.95		22.5	4.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		26.34	26.38	26.39	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		26.40	26.39	26.33	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		26.30	26.32	26.31	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		26.38	26.32	26.32	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		26.31	26.34	26.29	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		26.32	26.38	26.40	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3525.02			
30	QPSK	1	1		26.34	26.39	26.39	27.0	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		26.37	26.32	26.35	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.52	3500.01	3540			
20	QPSK	1	1		26.31	26.32	26.32	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		26.30	26.31	26.33	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		26.36	26.32	26.35	27.0	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				630000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PV2 BPSK	1	1	15.51	15.55	15.32			
40	PV2 BPSK	1	108	15.36	15.35	15.23	16.6	0.0	
40	PV2 BPSK	1	214	15.34	15.33	15.21			
40	PV2 BPSK	108	0	15.49	15.49	15.36	16.6	0.0	
40	PV2 BPSK	108	54	15.34	15.44	15.27	16.6	0.0	
40	PV2 BPSK	108	108	15.23	15.41	15.28	16.6	0.0	
40	PV2 BPSK	216	0	15.34	15.37	15.35			
40	QPSK	1	1	15.54	15.63	15.62	16.6		
40	QPSK	1	108	15.33	15.46	15.50			
40	QPSK	1	214	15.43	15.54	15.43			
40	QPSK	108	0	15.10	15.29	15.15	16.6	0.0	
40	QPSK	108	54	15.36	15.48	15.33	16.6	0.0	
40	QPSK	108	108	15.23	15.15	15.17	16.6	0.0	
40	QPSK	216	0	14.99	15.22	15.15			
40	16QAM	1	1	15.17	15.30	15.18	16.6	0.0	
40	64QAM	1	1	15.20	15.33	15.21	16.6	0.0	
40	256QAM	1	1	15.29	15.29	15.15	16.6	0.0	
Channel				637666	641666	645000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3595.02	3624.99	3684.99			
30	QPSK	1	1	15.44	15.56	15.40	16.6	0.0	
Channel				637334	641666	646000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3590.01	3624.99	3690			
20	QPSK	1	1	15.44	15.55	15.45	16.6	0.0	
Channel				637168	641666	646166	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3567.52	3624.99	3692.49			
15	QPSK	1	1	15.39	15.55	15.47	16.6	0.0	
Channel				637000	641666	646332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3565	3624.99	3694.98			
10	QPSK	1	1	15.41	15.52	15.48	16.6	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				650000	650000	650000				
Frequency (MHz)				3750	3840	3930				
100	PV2 BPSK	1	1	15.68	15.71	15.58	16.2	0.0		
100	PV2 BPSK	1	137	15.57	15.57	15.44				
100	PV2 BPSK	1	271	15.47	15.63	15.45				
100	PV2 BPSK	135	5	15.69	15.71	15.47	16.2	0.0		
100	PV2 BPSK	135	69	15.44	15.62	15.56	16.2	0.0		
100	PV2 BPSK	135	138	15.51	15.56	15.50	16.2	0.0		
100	PV2 BPSK	270	0	15.49	15.60	15.54				
100	QPSK	1	1	15.70	15.79	15.71	16.2	0.0		
100	QPSK	1	137	15.64	15.70	15.61				
100	QPSK	1	271	15.55	15.73	15.63				
100	QPSK	135	0	15.34	15.40	15.40	16.2	0.0		
100	QPSK	135	69	15.59	15.74	15.66	16.2	0.0		
100	QPSK	135	138	15.44	15.41	15.35	16.2	0.0		
100	QPSK	270	0	15.28	15.52	15.34				
100	16QAM	1	1	15.40	15.61	15.42	16.2	0.0		
100	64QAM	1	1	15.46	15.50	15.32	16.2	0.0		
100	256QAM	1	1	15.46	15.51	15.39	16.2	0.0		
Channel				646668	650000	652334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3745.02	3840	3935.01				
90	QPSK	1	1	15.14	15.23	15.09	16.2	0.0		
Channel				649334	650000	652668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3740.01	3840	3940.02				
80	QPSK	1	1	15.13	15.18	15.09	16.2	0.0		
Channel				649000	650000	653000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3735	3840	3945				
70	QPSK	1	1	15.12	15.24	15.15	16.2	0.0		
Channel				648668	650000	653334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720.02	3840	3950.01				
60	QPSK	1	1	15.11	15.17	15.07	16.2	0.0		
Channel				648334	650000	653668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3725.01	3840	3955.02				
50	QPSK	1	1	15.15	15.18	15.15	16.2	0.0		
Channel				648000	650000	653900	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3720	3840	3960				
40	QPSK	1	1	15.15	15.20	15.06	16.2	0.0		
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3713.02	3840	3965.01				
30	QPSK	1	1	15.15	15.25	15.15	16.2	0.0		
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3712.5	3840	3967.5				
25	QPSK	1	1	15.15	15.17	15.13	16.2	0.0		
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3710.01	3840	3970.02				
20	QPSK	1	1	15.15	15.14	15.11	16.2	0.0		
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3707.52	3840	3972.51				
15	QPSK	1	1	15.11	15.16	15.16	16.2	0.0		
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3705	3840	3975				
10	QPSK	1	1	15.09	15.14	15.06	16.2	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				633000	633334	3500.01				
Frequency (MHz)										
100	PV2 BPSK	1	1		15.73		16.2	0.0		
100	PV2 BPSK	1	137		15.58					
100	PV2 BPSK	1	271		15.64					
100	PV2 BPSK	135	0		15.70		16.2	0.0		
100	PV2 BPSK	135	69		15.57		16.2	0.0		
100	PV2 BPSK	135	138		15.56		16.2	0.0		
100	PV2 BPSK	270	0		15.55					
100	QPSK	1	1		15.85		16.2	0.0		
100	QPSK	1	137		15.71					
100	QPSK	1	271		15.78					
100	QPSK	135	0		15.35		16.2	0.0		
100	QPSK	135	69		15.78		16.2	0.0		
100	QPSK	135	138		15.39		16.2	0.0		
100	QPSK	270	0		15.57					
100	16QAM	1	1		15.62		16.2	0.0		
100	64QAM	1	1		15.56		16.2	0.0		
100	256QAM	1	1		15.57		16.2	0.0		
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3495	3500.01	3505.02				
90	QPSK	1	1	15.22	15.27	15.23	16.2	0.0		
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	15.24	15.26	15.22	16.2	0.0		
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	15.27	15.22	15.30	16.2	0.0		
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	15.29	15.19	15.28	16.2	0.0		
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	15.21	15.19	15.27	16.2	0.0		
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	15.19	15.20	15.22	16.2	0.0		
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	15.22	15.26	15.21	16.2	0.0		
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1	15.27	15.29	15.28	16.2	0.0		
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	15.28	15.30	15.24	16.2	0.0		
Channel				630600	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3500.01	3542.02				
15	QPSK	1	1	15.22	15.30	15.28	16.2	0.0		
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	15.27	15.20	15.29	16.2	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				650000	650000	650000	16.2	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	15.24	15.24	15.24	16.2	0.0
100	PI/2 BPSK	1	137	15.19	15.19	15.19		
100	PI/2 BPSK	1	271	15.17	15.17	15.17	16.2	0.0
100	PI/2 BPSK	135	0	15.31	15.31	15.31		
100	PI/2 BPSK	135	69	15.14	15.14	15.14	16.2	0.0
100	PI/2 BPSK	135	138	15.23	15.23	15.23		
100	PI/2 BPSK	270	0	15.17	15.17	15.17	16.2	0.0
100	QPSK	1	1	15.36	15.36	15.36		
100	QPSK	1	137	15.25	15.25	15.25	16.2	0.0
100	QPSK	1	271	15.34	15.34	15.34		
100	QPSK	135	0	15.08	15.08	15.08	16.2	0.0
100	QPSK	135	69	15.28	15.28	15.28		
100	QPSK	135	138	15.09	15.09	15.09	16.2	0.0
100	QPSK	270	0	15.05	15.05	15.05		
100	16QAM	1	1	15.11	15.11	15.11	16.2	0.0
100	64QAM	1	1	15.02	15.02	15.02		
100	256QAM	1	1	15.07	15.07	15.07	16.2	0.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	16.2	0.0
90	QPSK	1	1	15.21	15.16	15.21		
Channel				649334	650000	650668	16.2	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.15	15.23	15.19	16.2	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	16.2	0.0
70	QPSK	1	1	15.24	15.15	15.21		
Channel				648668	650000	651334	16.2	0.0
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	15.16	15.24	15.26	16.2	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	16.2	0.0
50	QPSK	1	1	15.14	15.16	15.16		
Channel				648000	650000	652000	16.2	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.23	15.26	15.15	16.2	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	16.2	0.0
30	QPSK	1	1	15.15	15.24	15.17		
Channel				647334	650000	652668	16.2	0.0
Frequency (MHz)				3710.01	3750	3790.02		
25	QPSK	1	1	15.24	15.20	15.25	16.2	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3712.5	3750	3787.5	16.2	0.0
20	QPSK	1	1	15.21	15.19	15.25		
Channel				646668	650000	653334	16.2	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	15.26	15.19	15.18	16.2	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	16.2	0.0
10	QPSK	1	1	15.17	15.26	15.19		

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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				633334	633334	633334	16.2	0.0
Frequency (MHz)				3500.01	3500.01	3500.01		
100	PI/2 BPSK	1	1	15.64	15.64	15.64	16.2	0.0
100	PI/2 BPSK	1	137	15.47	15.47	15.47		
100	PI/2 BPSK	1	271	15.44	15.44	15.44	16.2	0.0
100	PI/2 BPSK	135	0	15.57	15.57	15.57		
100	PI/2 BPSK	135	69	15.53	15.53	15.53	16.2	0.0
100	PI/2 BPSK	135	138	15.52	15.52	15.52		
100	PI/2 BPSK	270	0	15.46	15.46	15.46	16.2	0.0
100	QPSK	1	1	15.68	15.68	15.68		
100	QPSK	1	137	15.54	15.54	15.54	16.2	0.0
100	QPSK	1	271	15.60	15.60	15.60		
100	QPSK	135	0	15.29	15.29	15.29	16.2	0.0
100	QPSK	135	69	15.61	15.61	15.61		
100	QPSK	135	138	15.30	15.30	15.30	16.2	0.0
100	QPSK	270	0	15.36	15.36	15.36		
100	16QAM	1	1	15.38	15.38	15.38	16.2	0.0
100	64QAM	1	1	15.43	15.43	15.43		
100	256QAM	1	1	15.37	15.37	15.37	16.2	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	16.2	0.0
90	QPSK	1	1	15.62	15.54	15.60		
Channel				632668	633334	634000	16.2	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.61	15.59	15.52	16.2	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	16.2	0.0
70	QPSK	1	1	15.54	15.54	15.57		
Channel				632000	633334	634668	16.2	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.59	15.54	15.63	16.2	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	16.2	0.0
50	QPSK	1	1	15.59	15.55	15.52		
Channel				631334	633334	635334	16.2	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.62	15.53	15.55	16.2	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	16.2	0.0
30	QPSK	1	1	15.56	15.59	15.62		
Channel				630668	633334	635834	16.2	0.0
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.64	15.52	15.56	16.2	0.0
Channel				630334	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	16.2	0.0
20	QPSK	1	1	15.61	15.60	15.54		
Channel				630000	633334	636168	16.2	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.59	15.62	15.54	16.2	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	16.2	0.0
10	QPSK	1	1	15.59	15.63	15.55		

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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				374500	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	PI2 BPSK	1	1	23.01	23.09	22.92		24.0	0.0	
40	PI2 BPSK	1	108	22.97	23.10	22.91				
40	PI2 BPSK	1	214	22.94	22.96	22.83				
40	PI2 BPSK	108	0	22.83	22.82	22.48	23.5	0.5		
40	PI2 BPSK	108	54	23.08	23.12	23.01	24.0	0.0		
40	PI2 BPSK	108	108	22.80	22.87	22.46	23.5	0.5		
40	PI2 BPSK	216	0	22.54	22.82	22.47		24.0	0.0	
40	QPSK	1	1	23.15	23.21	23.02				
40	QPSK	1	108	22.97	23.06	22.92				
40	QPSK	1	214	23.00	22.97	22.80		23.0	1.0	
40	QPSK	108	0	22.12	22.24	22.04	23.0			
40	QPSK	108	54	23.08	23.09	22.85	24.0			
40	QPSK	108	108	22.08	22.12	22.02	23.0	1.0		
40	QPSK	216	0	22.08	22.14	22.01		23.0	1.0	
40	16QAM	1	1	22.06	22.18	22.00	23.0			
40	64QAM	1	1	20.77	20.75	20.58	21.5	2.5		
40	256QAM	1	1	18.72	18.73	18.58	19.5	4.5		
Channel				373300	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1880	1892.5				
35	QPSK	1	1	23.05	23.09	22.89	24.0	0.0		
Channel				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1903	1900	1905				
30	QPSK	1	1	23.02	23.06	22.93	24.0	0.0		
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	23.02	23.11	22.96	24.0	0.0		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	23.01	23.11	22.90	24.0	0.0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	23.05	23.14	22.93	24.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	23.08	23.13	22.91	24.0	0.0		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	23.06	23.08	22.87	24.0	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				374000	376500	379000				
Frequency (MHz)				1870	1882.5	1895				
40	PI2 BPSK	1	1	23.04	23.08	23.01	24.0	0.0		
40	PI2 BPSK	1	108	22.98	23.04	22.93				
40	PI2 BPSK	1	214	22.95	23.06	22.90				
40	PI2 BPSK	108	0	22.50	22.58	22.49	23.5			0.5
40	PI2 BPSK	108	54	23.13	23.16	23.05	24.0			0.0
40	PI2 BPSK	108	108	22.50	22.58	22.49	23.5			0.5
40	PI2 BPSK	216	0	22.55	22.59	22.48		24.0	0.0	
40	QPSK	1	1	23.07	23.20	23.14				
40	QPSK	1	108	23.02	23.07	22.94				
40	QPSK	1	214	22.96	22.95	22.89		23.0	1.0	
40	QPSK	108	0	22.07	22.24	22.12	23.0			
40	QPSK	108	54	23.04	23.11	23.00	24.0			
40	QPSK	108	108	22.12	22.11	22.02	23.0	1.0		
40	QPSK	216	0	22.07	22.21	22.12		23.0	1.0	
40	16QAM	1	1	22.05	22.07	21.98	23.0			
40	64QAM	1	1	20.68	20.74	20.62	21.5	2.5		
40	256QAM	1	1	18.69	18.78	18.64	19.5	4.5		
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1882.5	1897.5				
35	QPSK	1	1	22.95	23.03	23.07	24.0	0.0		
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1905	1892.5	1900				
30	QPSK	1	1	22.95	23.03	23.07	24.0	0.0		
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1902.5				
25	QPSK	1	1	22.94	23.08	23.07	24.0	0.0		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1882.5	1905				
20	QPSK	1	1	23.00	23.09	23.09	24.0	0.0		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1882.5	1907.5				
15	QPSK	1	1	22.90	23.09	23.08	24.0	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1882.5	1910				
10	QPSK	1	1	22.97	23.04	23.01	24.0	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1882.5	1912.5				
5	QPSK	1	1	22.98	23.05	23.02	24.0	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				345000	345000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.76	23.07	22.63			
40	PI/2 BPSK	1	108	22.71	22.67	22.53	24.0	0.0	
40	PI/2 BPSK	1	214	22.72	22.67	22.55			
40	PI/2 BPSK	108	0	22.40	22.56	22.18		23.5	
40	PI/2 BPSK	108	54	22.85	23.02	22.72	24.0	0.0	
40	PI/2 BPSK	108	108	22.29	22.52	22.15	23.5	0.5	
40	PI/2 BPSK	216	0	22.35	22.57	22.10	24.0	0.0	
40	QPSK	1	1	22.91	23.14	22.70			
40	QPSK	1	108	22.80	22.96	22.62			
40	QPSK	1	214	22.76	22.90	22.54	23.0	1.0	
40	QPSK	108	0	21.92	22.16	21.74		24.0	
40	QPSK	108	54	22.62	22.67	22.60		23.0	
40	QPSK	108	108	21.90	22.11	21.70	23.0	1.0	
40	QPSK	216	0	21.81	22.08	21.73		23.0	
40	16QAM	1	1	21.90	22.02	21.68	23.0	1.0	
40	64QAM	1	1	20.49	20.75	20.35	21.5	2.5	
40	256QAM	1	1	18.38	18.58	18.24	19.5	4.5	
Channel				345500	345000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0	
25	QPSK	1	1	22.85	23.03	22.55	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.79	23.07	22.58	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	22.83	23.09	22.58	24.0	0.0	
Channel				343000	345000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	22.81	22.98	22.54	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	22.86	22.97	Ant 5	24.0	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				340000	340000	340000	24.0	0.0	
Frequency (MHz)				1702.5					
15	PI/2 BPSK	1	1		23.09				
15	PI/2 BPSK	1	40		23.08		23.5	0.5	
15	PI/2 BPSK	1	77		23.05			24.0	
15	PI/2 BPSK	36	0		22.73			23.5	
15	PI/2 BPSK	36	22		23.17		24.0	0.0	
15	PI/2 BPSK	36	43		22.61		23.5	0.5	
15	PI/2 BPSK	75	0		22.60		24.0	0.0	
15	QPSK	1	1		23.27				
15	QPSK	1	40		23.14				
15	QPSK	1	77		23.04		23.0	1.0	
15	QPSK	36	0		22.29			24.0	
15	QPSK	36	22		23.06			23.0	
15	QPSK	36	43		22.21		23.0	1.0	
15	QPSK	75	0		22.18			23.0	
15	16QAM	1	1		22.14		23.0	1.0	
15	64QAM	1	1		20.78		21.5	2.5	
15	256QAM	1	1		18.80		19.5	4.5	
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	23.15	23.19	23.17	24.0	0.0	
Channel				339500	340000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	
5	QPSK	1	1	23.15	23.19	23.21	24.0	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)								
40	PI2 BPSK	1	1	17.95	18.06	17.93		
40	PI2 BPSK	1	108	17.80	17.81	17.77	19.2	0.0
40	PI2 BPSK	1	214	17.82	17.80	17.77		
40	PI2 BPSK	108	0	18.02	18.09	17.87	19.2	0.0
40	PI2 BPSK	108	54	17.82	17.88	17.84	19.2	0.0
40	PI2 BPSK	108	108	17.76	17.98	17.78	19.2	0.0
40	PI2 BPSK	216	0	17.81	17.84	17.89		
40	QPSK	1	1	18.09	18.10	17.95		
40	QPSK	1	108	17.84	17.99	17.90	19.2	0.0
40	QPSK	1	214	17.88	18.01	17.90		
40	QPSK	108	0	17.69	17.77	17.74	19.2	0.0
40	QPSK	108	54	17.86	17.88	17.88	19.2	0.0
40	QPSK	108	108	17.72	17.67	17.71	19.2	0.0
40	QPSK	216	0	17.54	17.76	17.68		
40	16QAM	1	1	17.71	17.82	17.71	19.2	0.0
40	64QAM	1	1	17.67	17.81	17.64	19.2	0.0
40	256QAM	1	1	17.78	17.82	17.69	18.5	0.7
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.95	17.97	17.82	19.2	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.84	18.04	17.80	19.2	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.99	17.98	17.83	19.2	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.95	18.02	17.81	19.2	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	15.84	15.87	15.72		
100	PI2 BPSK	1	137	15.66	15.72	15.68	17.0	0.0
100	PI2 BPSK	1	271	15.65	15.69	15.62		
100	PI2 BPSK	135	0	15.87	15.91	15.82	17.0	0.0
100	PI2 BPSK	135	69	15.67	15.78	15.67	17.0	0.0
100	PI2 BPSK	135	138	15.63	15.78	15.58	17.0	0.0
100	PI2 BPSK	270	0	15.70	15.67	15.65		
100	QPSK	1	1	15.91	15.93	15.79		
100	QPSK	1	137	15.77	15.82	15.82	17.0	0.0
100	QPSK	1	271	15.76	15.90	15.82		
100	QPSK	135	0	15.52	15.64	15.49	17.0	0.0
100	QPSK	135	69	15.66	15.78	15.70	17.0	0.0
100	QPSK	135	138	15.53	15.52	15.49		
100	QPSK	270	0	15.35	15.04	15.48	17.0	0.0
100	16QAM	1	1	15.53	15.67	15.56	17.0	0.0
100	64QAM	1	1	15.60	15.71	15.54	17.0	0.0
100	256QAM	1	1	15.57	15.71	15.58	17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.81	15.87	15.69	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.45	15.84	15.69	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.77	15.89	15.68	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.85	15.82	15.73	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.79	15.86	15.72	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.87	15.77	15.70	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.86	15.81	15.70	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.76	15.78	15.64	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.83	15.79	15.69	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.82	15.77	15.69	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.80	15.88	15.72	17.0	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			15.87		
100	PI2 BPSK	1	137			15.67	17.0	0.0
100	PI2 BPSK	1	271			15.72		
100	PI2 BPSK	135	0			15.91	17.0	0.0
100	PI2 BPSK	135	69			15.83	17.0	0.0
100	PI2 BPSK	135	138			15.77	17.0	0.0
100	PI2 BPSK	270	0			15.67		
100	QPSK	1	1			15.82		
100	QPSK	1	137			15.78	17.0	0.0
100	QPSK	1	271			15.90		
100	QPSK	135	0			15.81	17.0	0.0
100	QPSK	135	69			15.78	17.0	0.0
100	QPSK	135	138			15.55	17.0	0.0
100	QPSK	270	0			15.65		
100	16QAM	1	1			15.81	17.0	0.0
100	64QAM	1	1			15.69	17.0	0.0
100	256QAM	1	1			15.73	17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.76	15.78	15.86	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.77	15.81	15.79	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.79	15.76	15.84	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.84	15.78	15.82	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.81	15.86	15.78	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.85	15.79	15.75	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.82	15.85	15.76	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.81	15.83	15.77	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.80	15.77	15.81	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.76	15.78	15.67	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.86	15.79	15.76	17.0	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				3750	3750	3750	17.0	0.0
Frequency (MHz)				15.64	15.47	15.48		
100	PI/2 BPSK	1	1	15.64	15.47	15.48	17.0	0.0
100	PI/2 BPSK	1	137	15.48	15.47	15.48	17.0	0.0
100	PI/2 BPSK	1	271	15.48	15.47	15.48	17.0	0.0
100	PI/2 BPSK	135	0	15.72	15.57	15.57	17.0	0.0
100	PI/2 BPSK	135	69	15.54	15.57	15.57	17.0	0.0
100	PI/2 BPSK	135	138	15.63	15.57	15.57	17.0	0.0
100	PI/2 BPSK	270	0	15.52	15.57	15.57	17.0	0.0
100	QPSK	1	1	15.77	15.57	15.57	17.0	0.0
100	QPSK	1	137	15.57	15.57	15.57	17.0	0.0
100	QPSK	1	271	15.67	15.57	15.57	17.0	0.0
100	QPSK	135	0	15.48	15.57	15.57	17.0	0.0
100	QPSK	135	69	15.61	15.57	15.57	17.0	0.0
100	QPSK	135	138	15.32	15.57	15.57	17.0	0.0
100	QPSK	270	0	15.48	15.57	15.57	17.0	0.0
100	16QAM	1	1	15.49	15.55	15.55	17.0	0.0
100	64QAM	1	1	15.55	15.55	15.55	17.0	0.0
100	256QAM	1	1	15.48	15.55	15.55	17.0	0.0
Channel				64968	65000	65034	17.0	0.0
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.70	15.63	15.67	17.0	0.0
Channel				649334	650000	650668	17.0	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.72	15.69	15.63	17.0	0.0
Channel				649000	650000	651000	17.0	0.0
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.73	15.62	15.72	17.0	0.0
Channel				64868	650000	651334	17.0	0.0
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	15.67	15.63	15.71	17.0	0.0
Channel				648334	650000	651668	17.0	0.0
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.73	15.62	15.67	17.0	0.0
Channel				648000	650000	652000	17.0	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.61	15.63	15.68	17.0	0.0
Channel				647668	650000	652334	17.0	0.0
Frequency (MHz)				3715.02	3750	3765.03		
30	QPSK	1	1	15.60	15.62	15.63	17.0	0.0
Channel				647334	650000	652500	17.0	0.0
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	15.65	15.67	15.71	17.0	0.0
Channel				647000	650000	652668	17.0	0.0
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.63	15.64	15.69	17.0	0.0
Channel				647188	650000	652834	17.0	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	15.66	15.70	15.71	17.0	0.0
Channel				647000	650000	653000	17.0	0.0
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	15.64	15.63	15.69	17.0	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				3500.01	633334	635001	17.0	0.0
Frequency (MHz)				15.52	15.45	15.42		
100	PI/2 BPSK	1	1	15.52	15.45	15.42	17.0	0.0
100	PI/2 BPSK	1	137	15.45	15.42	15.42	17.0	0.0
100	PI/2 BPSK	1	271	15.42	15.42	15.42	17.0	0.0
100	PI/2 BPSK	135	0	15.61	15.51	15.51	17.0	0.0
100	PI/2 BPSK	135	69	15.51	15.50	15.50	17.0	0.0
100	PI/2 BPSK	135	138	15.50	15.40	15.40	17.0	0.0
100	PI/2 BPSK	270	0	15.48	15.28	15.28	17.0	0.0
100	QPSK	1	1	15.68	15.54	15.54	17.0	0.0
100	QPSK	1	137	15.54	15.54	15.54	17.0	0.0
100	QPSK	1	271	15.65	15.36	15.36	17.0	0.0
100	QPSK	135	0	15.36	15.47	15.47	17.0	0.0
100	QPSK	135	69	15.47	15.28	15.28	17.0	0.0
100	QPSK	135	138	15.28	15.39	15.39	17.0	0.0
100	QPSK	270	0	15.39	15.41	15.41	17.0	0.0
100	16QAM	1	1	15.41	15.44	15.44	17.0	0.0
100	64QAM	1	1	15.44	15.48	15.48	17.0	0.0
100	256QAM	1	1	15.48	15.48	15.48	17.0	0.0
Channel				633000	633334	633668	17.0	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.59	15.59	15.53	17.0	0.0
Channel				632668	633334	634000	17.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.61	15.55	15.53	17.0	0.0
Channel				632334	633334	634334	17.0	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.60	15.63	15.52	17.0	0.0
Channel				632000	633334	634668	17.0	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.58	15.54	15.61	17.0	0.0
Channel				631668	633334	635000	17.0	0.0
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.54	15.61	15.63	17.0	0.0
Channel				631334	633334	635334	17.0	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.54	15.63	15.53	17.0	0.0
Channel				631000	633334	635668	17.0	0.0
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.53	15.59	15.64	17.0	0.0
Channel				630668	633334	635834	17.0	0.0
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.56	15.56	15.58	17.0	0.0
Channel				630334	633334	636000	17.0	0.0
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.55	15.58	15.63	17.0	0.0
Channel				630000	633334	636168	17.0	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.53	15.53	15.57	17.0	0.0
Channel				630334	633334	636334	17.0	0.0
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.57	15.56	15.61	17.0	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)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	10.57	10.62	10.57		
40	PV2 BPSK	1	108	10.47	10.54	10.49	11.8	0.0
40	PV2 BPSK	1	214	10.46	10.48	10.39		
40	PV2 BPSK	198	0	10.59	10.71	10.45	11.8	0.0
40	PV2 BPSK	108	54	10.48	10.53	10.52	11.8	0.0
40	PV2 BPSK	108	108	10.35	10.52	10.47	11.8	0.0
40	PV2 BPSK	216	0	10.42	10.54	10.44		
40	QPSK	1	1	10.65	10.72	10.69		
40	QPSK	1	108	10.48	10.66	10.55	11.8	0.0
40	QPSK	1	214	10.51	10.69	10.58		
40	QPSK	108	0	10.30	10.36	10.36	11.8	0.0
40	QPSK	108	54	10.45	10.65	10.50	11.8	0.0
40	QPSK	108	108	10.39	10.27	10.30	11.8	0.0
40	QPSK	216	0	10.17	10.44	10.25		
40	16QAM	1	1	10.37	10.50	10.39	11.8	0.0
40	64QAM	1	1	10.34	10.39	10.29	11.8	0.0
40	256QAM	1	1	10.35	10.51	10.28	11.8	0.0
Channel				637099	641056	645000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	10.59	10.54	10.59	11.8	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3680		
20	QPSK	1	1	10.60	10.57	10.56	11.8	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3567.52	3624.99	3692.49		
15	QPSK	1	1	10.53	10.61	10.57	11.8	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3684.98		
10	QPSK	1	1	10.53	10.55	10.64	11.8	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)				3750	3840	3930		
100	PV2 BPSK	1	1	12.69	12.70	12.57		
100	PV2 BPSK	1	137	12.47	12.51	12.48	13.5	0.0
100	PV2 BPSK	1	271	12.48	12.49	12.38		
100	PV2 BPSK	135	5	12.61	12.69	12.48	13.5	0.0
100	PV2 BPSK	135	69	12.44	12.52	12.42	13.5	0.0
100	PV2 BPSK	135	138	12.46	12.56	12.38	13.5	0.0
100	PV2 BPSK	270	0	12.43	12.56	12.47		
100	QPSK	1	1	12.72	12.81	12.61		
100	QPSK	1	137	12.52	12.61	12.58	13.5	0.0
100	QPSK	1	271	12.52	12.72	12.62		
100	QPSK	135	0	12.31	12.42	12.35	13.5	0.0
100	QPSK	135	69	12.45	12.61	12.52	13.5	0.0
100	QPSK	135	138	12.32	12.28	12.37	13.5	0.0
100	QPSK	270	0	12.24	12.45	12.27		
100	16QAM	1	1	12.38	12.48	12.37	13.5	0.0
100	64QAM	1	1	12.38	12.46	12.31	13.5	0.0
100	256QAM	1	1	12.41	12.49	12.41	13.5	0.0
Channel				649683	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	12.61	12.77	12.47	13.5	0.0
Channel				649334	650000	650268	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.59	12.66	12.57	13.5	0.0
Channel				649000	650000	650300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	12.66	12.71	12.53	13.5	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.68	12.68	12.48	13.5	0.0
Channel				648334	650000	650688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	12.62	12.74	12.50	13.5	0.0
Channel				647999	650000	650300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.61	12.74	12.48	13.5	0.0
Channel				647668	650000	650434	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3840	3963.01		
30	QPSK	1	1	12.68	12.73	12.50	13.5	0.0
Channel				647500	650000	650500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.63	12.71	12.51	13.5	0.0
Channel				647334	650000	650688	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.62	12.73	12.50	13.5	0.0
Channel				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.67	12.66	12.55	13.5	0.0
Channel				647000	650000	650900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	12.62	12.68	12.48	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)				3500.01				
100	PV2 BPSK	1	1		12.40			
100	PV2 BPSK	1	137		12.22		13.5	0.0
100	PV2 BPSK	1	271		12.24			
100	PV2 BPSK	135	0		12.40		13.5	0.0
100	PV2 BPSK	135	69		12.31		13.5	0.0
100	PV2 BPSK	135	138		12.33		13.5	0.0
100	PV2 BPSK	270	0		12.20			
100	QPSK	1	1		12.51			
100	QPSK	1	137		12.39		13.5	0.0
100	QPSK	1	271		12.41			
100	QPSK	135	0		12.13		13.5	0.0
100	QPSK	135	69		12.41		13.5	0.0
100	QPSK	135	138		12.02		13.5	0.0
100	QPSK	270	0		12.15			
100	16QAM	1	1		12.29		13.5	0.0
100	64QAM	1	1		12.14		13.5	0.0
100	256QAM	1	1		12.18		13.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.37	12.44	12.42	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.39	12.39	12.40	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.38	12.41	12.36	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3509.02		
60	QPSK	1	1	12.38	12.40	12.45	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3505		
50	QPSK	1	1	12.46	12.42	12.35	13.5	0.0
Channel				631334	633334	633334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.38	12.44	12.37	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.45	12.46	12.40	13.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.42	12.42	12.43	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.39	12.45	12.39	13.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.47	12.37	12.44	13.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.45	12.38	12.42	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				650000	650000	633334		
Frequency (MHz)				3750	3750	3750		
100	PV2 BPSK	1	1	12.63			13.5	0.0
100	PV2 BPSK	1	137	12.49				
100	PV2 BPSK	1	271	12.53				
100	PV2 BPSK	135	0	12.68			13.5	0.0
100	PV2 BPSK	135	69	12.54				
100	PV2 BPSK	135	138	12.55				
100	PV2 BPSK	270	0	12.50			13.5	0.0
100	QPSK	1	1	12.73				
100	QPSK	1	137	12.67				
100	QPSK	1	271	12.65			13.5	0.0
100	QPSK	135	0	12.30				
100	QPSK	135	69	12.56				
100	QPSK	135	138	12.32			13.5	0.0
100	QPSK	270	0	12.42				
100	16QAM	1	1	12.42				
100	64QAM	1	1	12.37			13.5	0.0
100	256QAM	1	1	12.45				
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.68	12.58	12.60	13.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.67	12.61	12.59	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.68	12.64	12.59	13.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3760.01		
60	QPSK	1	1	12.59	12.60	12.58	13.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.65	12.58	12.55	13.5	0.0
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.63	12.67	12.57	13.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	12.68	12.60	12.65	13.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.60	12.58	12.62	13.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.67	12.66	12.63	13.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	12.62	12.65	12.63	13.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.57	12.67	12.59	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				633334				
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1	12.21			13.5	0.0
100	PV2 BPSK	1	137	12.18				
100	PV2 BPSK	1	271	12.15				
100	PV2 BPSK	135	0	12.30			13.5	0.0
100	PV2 BPSK	135	69	12.19				
100	PV2 BPSK	135	138	12.10				
100	PV2 BPSK	270	0	12.17			13.5	0.0
100	QPSK	1	1	12.32				
100	QPSK	1	137	12.27				
100	QPSK	1	271	12.26			13.5	0.0
100	QPSK	135	0	11.99				
100	QPSK	135	69	12.25				
100	QPSK	135	138	11.98			13.5	0.0
100	QPSK	270	0	11.99				
100	16QAM	1	1	12.06				
100	64QAM	1	1	12.03			13.5	0.0
100	256QAM	1	1	12.05				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.18	12.18	12.18	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.29	12.22	12.19	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3486.01	3500.01	3515.01		
70	QPSK	1	1	12.26	12.26	12.28	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.28	12.19	12.20	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.19	12.26	12.25	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.25	12.24	12.18	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.27	12.22	12.22	13.5	0.0
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.25	12.28	12.27	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.24	12.26	12.18	13.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.20	12.22	12.28	13.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.18	12.22	12.27	13.5	0.0



n38 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	519998			
Frequency (MHz)				2580.02	2595	2599.98			
40	P12 BPSK	1	1	22.43	22.41	22.33			
40	P12 BPSK	1	53	22.33	22.35	22.20	24.0	0.0	
40	P12 BPSK	1	164	22.30	22.33	22.27			
40	P12 BPSK	50	0	21.98	22.02	21.83	23.5	0.5	
40	P12 BPSK	50	28	22.38	22.48	22.22	24.0	0.0	
40	P12 BPSK	50	58	21.91	21.93	21.83	23.5	0.5	
40	P12 BPSK	100	0	21.96	22.00	21.76			
40	QPSK	1	1	22.54	22.56	22.42			
40	QPSK	1	53	22.31	22.43	22.31	24.0	0.0	
40	QPSK	1	104	22.31	22.36	22.18			
40	QPSK	50	0	21.46	21.56	21.36	23.0	1.0	
40	QPSK	50	28	22.37	22.45	22.30	24.0	0.0	
40	QPSK	50	58	21.42	21.51	21.41	23.0	1.0	
40	QPSK	100	0	21.44	21.57	21.42			
40	16QAM	1	1	21.43	21.51	21.31	23.0	1.0	
40	16QAM	1	1	20.08	20.16	20.00	21.5	2.5	
40	256QAM	1	1	18.01	18.02	17.93	19.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.44	22.43	22.36	24.0	0.0	
Channel				516504	518000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.43	22.50	22.33	24.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.43	22.53	22.33	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.45	22.48	22.27	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.43	22.47	22.32	24.0	0.0	

n41 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	23.17	23.30	23.16			
100	P12 BPSK	1	137	23.07	23.22	23.14	24.0	0.0	
100	P12 BPSK	1	271	23.02	23.23	23.08			
100	P12 BPSK	135	0	22.74	22.88	22.76	24.0	0.0	
100	P12 BPSK	135	69	23.12	23.30	23.23	24.0	0.0	
100	P12 BPSK	135	138	22.70	22.80	22.72	24.0	0.0	
100	P12 BPSK	270	0	22.60	22.83	22.66			
100	QPSK	1	1	23.21	23.45	23.28			
100	QPSK	1	137	23.34	23.23	23.08	24.0	0.0	
100	QPSK	1	271	23.21	23.24	23.06			
100	QPSK	135	0	23.32	23.32	23.19	24.0	0.0	
100	QPSK	135	69	23.29	23.38	23.05	24.0	0.0	
100	QPSK	135	138	23.23	23.34	23.11	24.0	0.0	
100	QPSK	270	0	23.24	23.30	23.00			
100	16QAM	1	1	23.23	23.19	23.02	24.0	0.0	
100	64QAM	1	1	23.15	23.24	23.16	24.0	0.0	
100	256QAM	1	1	21.88	22.05	21.68	22.5	1.5	
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	23.15	23.38	23.14	24.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	23.08	23.30	23.21	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	23.11	23.34	23.14	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2528	2592.99	2659.99			
60	QPSK	1	1	23.07	23.36	23.23	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	23.09	23.32	23.12	24.0	0.0	
Channel				503200	518598	533598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	23.10	23.36	23.17	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	23.08	23.35	23.13	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	23.07	23.28	23.13	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	23.13	23.36	23.19	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	23.07	23.35	23.21	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	23.16	23.32	23.21	24.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	23.04	23.33	23.20	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	23.16	23.36	23.12	24.0	0.0	

n41 PC2 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509002	518598	520998			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	25.33	25.32	25.36			
100	P12 BPSK	1	137	25.26	25.31	25.22	27.0	0.0	
100	P12 BPSK	1	271	25.26	25.34	25.22			
100	P12 BPSK	135	0	24.93	24.88	24.94	26.5	0.5	
100	P12 BPSK	135	69	25.31	25.35	25.35	27.0	0.0	
100	P12 BPSK	135	138	24.93	24.91	24.82	26.5	0.5	
100	P12 BPSK	270	0	24.89	24.93	24.83			
100	QPSK	1	1	25.45	25.53	25.41			
100	QPSK	1	137	25.33	25.35	25.25	27.0	0.0	
100	QPSK	1	271	25.23	25.22	25.20			
100	QPSK	135	0	24.49	24.52	24.40	26.0	1.0	
100	QPSK	135	69	25.32	25.39	25.32	27.0	0.0	
100	QPSK	135	138	24.40	24.49	24.44	26.0	1.0	
100	QPSK	270	0	24.42	24.45	24.43			
100	16QAM	1	1	24.36	24.46	24.33	26.0	1.0	
100	64QAM	1	1	23.05	23.06	22.99	24.5	2.5	
100	256QAM	1	1	20.98	21.04	20.96	22.5	4.5	
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.35	25.40	25.29	27.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2534.01	2592.99	2640			
80	QPSK	1	1	25.29	25.44	25.28	27.0	0.0	
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.37	25.46	25.36	27.0	0.0	
Channel				505000	518598	531066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.28	25.38	25.27	27.0	0.0	
Channel				504204	518598	532968	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515.01	2592.99	2664.99			
50	QPSK	1	1	25.37	25.47	25.25	27.0	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	25.51	25.37	25.24	27.0	0.0	
Channel				503000	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	25.38	25.38	25.30	27.0	0.0	
Channel				502704	518598	534488	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515.52	2592.99	2675.49			
35	QPSK	1	1	25.29	25.44	25.28	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.38	25.40	25.30	27.0	0.0	
Channel				501700	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2509.51	2592.99	2677.5			
25	QPSK	1	1	25.32	25.48	25.33	27.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.12	2592.99	2679.19			
20	QPSK	1	1	25.34	25.47	25.25	27.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	25.37	25.44	25.26	27.0	0.0	
Channel				500200	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	25.35	25.42	25.33	27.0	0.0	



Reduced Power Mode for ECI 3

n2 Ant 0

n2 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI2 BPSK	1	1	18.55	18.59	18.53		
40	PI2 BPSK	1	108	18.38	18.50	18.45	19.6	0.0
40	PI2 BPSK	1	214	18.38	18.51	18.29		
40	PI2 BPSK	108	0	18.54	18.70	18.42	19.6	0.0
40	PI2 BPSK	108	54	18.41	18.49	18.42	19.6	0.0
40	PI2 BPSK	108	108	18.31	18.53	18.35		
40	PI2 BPSK	216	0	18.44	18.49	18.49	19.6	0.0
40	QPSK	1	1	18.60	18.75	18.55		
40	QPSK	1	108	18.51	18.57	18.52	19.6	0.0
40	QPSK	1	214	18.55	18.63	18.49		
40	QPSK	108	0	18.29	18.34	18.25	19.6	0.0
40	QPSK	108	54	18.45	18.59	18.53	19.6	0.0
40	QPSK	108	108	18.35	18.24	18.36	19.6	0.0
40	QPSK	216	0	18.19	18.42	18.25		
40	16QAM	1	1	18.34	18.44	18.39	19.6	0.0
40	64QAM	1	1	18.34	18.43	18.33	19.6	0.0
40	256QAM	1	1	18.15	18.34	18.23	19.5	0.1
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	18.47	18.62	18.42	19.6	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	18.54	18.65	18.43	19.6	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.54	18.67	18.47	19.6	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	18.46	18.64	18.43	19.6	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.49	18.60	18.40	19.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.50	18.61	18.51	19.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.48	18.66	18.47	19.6	0.0

n5 Ant 0

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.77	22.81	22.84	24.0	0.0
20	PI2 BPSK	1	53	22.65	22.77	22.57		
20	PI2 BPSK	1	104	22.68	22.80	22.61		
20	PI2 BPSK	50	0	22.31	22.41	22.20	23.5	0.5
20	PI2 BPSK	50	28	22.81	22.87	22.72	24.0	0.0
20	PI2 BPSK	50	56	22.26	22.33	22.23	23.5	0.5
20	PI2 BPSK	100	0	22.26	22.30	22.23		
20	QPSK	1	1	22.82	22.99	22.71		
20	QPSK	1	53	22.76	22.83	22.63	24.0	0.0
20	QPSK	1	104	22.83	22.76	22.50		
20	QPSK	50	0	21.83	21.99	21.73	23.0	1.0
20	QPSK	50	28	22.86	22.95	22.79	24.0	0.0
20	QPSK	50	56	21.86	21.93	21.74	23.0	1.0
20	QPSK	100	0	21.88	21.92	21.71		
20	16QAM	1	1	21.79	21.89	21.68	23.0	1.0
20	64QAM	1	1	20.37	20.58	20.39	21.5	2.5
20	256QAM	1	1	18.40	18.46	18.32	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.87	22.82	22.64	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.68	22.86	22.56	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)
5	QPSK	1	1	22.77	22.86	22.56	24.0	0.0

n12 Ant 0

n12 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.70	22.85	22.70		
15	PI2 BPSK	1	40	22.60	22.76	22.70	24.0	0.0
15	PI2 BPSK	1	77	22.58	22.76	22.62		
15	PI2 BPSK	36	0	22.28	22.37	22.30	23.5	0.5
15	PI2 BPSK	36	22	22.70	22.86	22.77	24.0	0.0
15	PI2 BPSK	36	43	22.16	22.33	22.28	23.5	0.5
15	PI2 BPSK	75	0	22.16	22.33	22.25		
15	QPSK	1	1	22.77	22.90	22.80		
15	QPSK	1	40	22.67	22.76	22.62	24.0	0.0
15	QPSK	1	77	22.63	22.77	22.57		
15	QPSK	36	0	21.77	21.94	21.60	23.0	1.0
15	QPSK	36	22	22.67	22.94	22.73	24.0	0.0
15	QPSK	36	43	21.76	21.93	21.76	23.0	1.0
15	QPSK	75	0	21.77	21.87	21.73	23.0	1.0
15	16QAM	1	1	21.70	21.83	21.78	23.0	1.0
15	64QAM	1	1	20.38	20.46	20.36	21.5	2.5
15	256QAM	1	1	18.35	18.45	18.33	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	22.82	22.85	22.70	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5	(dBm)	(dB)
5	QPSK	1	1	22.69	22.86	22.68	24.0	0.0



n14 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				793	158000			
Frequency (MHz)								
10	PI2 BPSK	1	1	22.94			24.0	0.0
10	PI2 BPSK	1	26	22.85				
10	PI2 BPSK	1	50	22.94				
10	PI2 BPSK	25	0	22.49			23.5	0.5
10	PI2 BPSK	25	14	22.96			24.0	0.0
10	PI2 BPSK	25	27	22.45			23.5	0.5
10	PI2 BPSK	50	0	22.43				
10	QPSK	1	1	23.07				
10	QPSK	1	26	22.97			24.0	0.0
10	QPSK	1	50	22.86				
10	QPSK	25	0	22.10			23.0	1.0
10	QPSK	25	14	23.03			24.0	0.0
10	QPSK	25	27	22.06			23.0	1.0
10	QPSK	50	0	22.10				
10	16QAM	1	1	22.06			23.0	1.0
10	64QAM	1	1	20.66			21.5	2.5
10	256QAM	1	1	18.58			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	24.0	0.0
5	QPSK	1	1	22.99	22.93	23.00	24.0	0.0

n25 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				1870	1872.5	1895		
Frequency (MHz)								
40	PI2 BPSK	1	1	18.52	18.55	18.51	19.6	0.0
40	PI2 BPSK	1	108	18.36	18.48	18.43		
40	PI2 BPSK	1	214	18.32	18.57	18.33		
40	PI2 BPSK	108	0	18.60	18.70	18.38	19.6	0.0
40	PI2 BPSK	108	54	18.46	18.54	18.38	19.6	0.0
40	PI2 BPSK	108	108	18.30	18.54	18.31	19.6	0.0
40	PI2 BPSK	216	0	18.39	18.51	18.53		
40	QPSK	1	1	18.62	18.77	18.57		
40	QPSK	1	108	18.47	18.55	18.52	19.6	0.0
40	QPSK	1	214	18.58	18.63	18.51		
40	QPSK	108	0	18.27	18.38	18.27	19.6	0.0
40	QPSK	108	54	18.39	18.64	18.50	19.6	0.0
40	QPSK	108	108	18.34	18.20	18.42	19.6	0.0
40	QPSK	216	0	18.22	18.38	18.19		
40	16QAM	1	1	18.34	18.45	18.34	19.6	0.0
40	64QAM	1	1	18.26	18.43	18.31	19.6	0.0
40	256QAM	1	1	18.16	18.36	18.28	19.5	0.1
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1892.5	1897.5	19.6 <td>0.0</td>	0.0
35	QPSK	1	1	18.52	18.70	18.43	19.6	0.0
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1903 <td>19.6</td> <td>0.0</td>	19.6	0.0
30	QPSK	1	1	18.52	18.70	18.43	19.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1892.5	1902.5 <td>19.6</td> <td>0.0</td>	19.6	0.0
25	QPSK	1	1	18.55	18.65	18.41	19.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1905 <td>19.6</td> <td>0.0</td>	19.6	0.0
20	QPSK	1	1	18.56	18.62	18.49	19.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5 <td>19.6</td> <td>0.0</td>	19.6	0.0
15	QPSK	1	1	18.54	18.67	18.51	19.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910	19.6	0.0
10	QPSK	1	1	18.50	18.69	18.43	19.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1882.5	1912.5	19.6	0.0
5	QPSK	1	1	18.54	18.72	18.47	19.6	0.0

n26 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				165800	166300	166800		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.22	22.25	22.23	23.6	0.0
20	PI2 BPSK	1	53	22.19	22.18	22.14		
20	PI2 BPSK	1	104	22.10	22.14	22.09		
20	PI2 BPSK	50	0	21.69	21.78	21.70	23.5	0.1
20	PI2 BPSK	50	28	22.36	22.33	22.28	23.6	0.0
20	PI2 BPSK	50	56	21.76	21.77	21.73	23.5	0.1
20	PI2 BPSK	100	0	21.82	21.81	21.74		
20	QPSK	1	1	22.95	22.98	22.90		
20	QPSK	1	53	22.17	22.24	22.16	23.6	0.0
20	QPSK	1	104	22.16	22.16	22.06		
20	QPSK	50	0	21.33	21.39	21.38	23.0	0.6
20	QPSK	50	28	22.25	22.30	22.22	23.6	0.0
20	QPSK	50	56	21.26	21.35	21.34	23.0	0.6
20	QPSK	100	0	21.36	21.38	21.31		
20	16QAM	1	1	21.24	21.30	21.25	23.0	0.6
20	64QAM	1	1	19.99	19.93	19.93	21.5	2.1
20	256QAM	1	1	17.84	17.85	17.79	19.5	4.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	22.30	22.24	22.23	23.6	0.0
Channel				163800	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	819	831.5	844	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	22.32	22.33	22.23	24.0	0.0

n66 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				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PV2 BPSK	1	1	17.06	17.05	16.99		
40	PV2 BPSK	1	108	16.93	16.95	16.85	18.2	0.0
40	PV2 BPSK	1	214	16.83	16.93	16.75		
40	PV2 BPSK	108	0	17.06	17.06	16.86	18.2	0.0
40	PV2 BPSK	108	54	16.82	16.93	16.90	18.2	0.0
40	PV2 BPSK	108	108	16.87	17.02	16.70	18.2	0.0
40	PV2 BPSK	216	0	16.89	16.93	16.88		
40	QPSK	1	1	17.10	17.20	17.05		
40	QPSK	1	108	16.96	17.12	16.96	18.2	0.0
40	QPSK	1	214	17.00	17.07	16.97		
40	QPSK	108	0	16.76	16.77	16.80	18.2	0.0
40	QPSK	108	54	16.84	17.00	16.92	18.2	0.0
40	QPSK	108	108	16.72	16.77	16.70	18.2	0.0
40	QPSK	216	0	16.56	16.87	16.60		
40	16QAM	1	1	16.83	16.87	16.78	18.2	0.0
40	64QAM	1	1	16.73	16.86	16.69	18.2	0.0
40	256QAM	1	1	16.84	16.84	16.77	18.2	0.0
Channel				346500	349000	352500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1727.5	1745	1762.5		
35	QPSK	1	1	16.99	17.11	16.96	18.2	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1725	1745	1765		
30	QPSK	1	1	16.99	17.11	16.96	18.2	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1722.5	1745	1767.5		
25	QPSK	1	1	17.03	17.07	16.93	18.2	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	16.99	17.11	16.92	18.2	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	17.05	17.16	16.97	18.2	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	17.03	17.07	16.96	18.2	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	16.98	17.13	16.98	18.2	0.0

n70 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				340500			19.1	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	18.01			19.1	0.0
15	PI2 BPSK	1	40	17.89				
15	PI2 BPSK	1	77	17.81			19.1	0.0
15	PI2 BPSK	36	0	17.97				
15	PI2 BPSK	36	22	17.84			19.1	0.0
15	PI2 BPSK	36	43	17.90				
15	PI2 BPSK	75	0	17.83			19.1	0.0
15	QPSK	1	1	18.06				
15	QPSK	1	40	17.92			19.1	0.0
15	QPSK	1	77	17.99				
15	QPSK	36	0	17.75			19.1	0.0
15	QPSK	36	22	17.88				
15	QPSK	36	43	17.65			19.1	0.0
15	QPSK	75	0	17.75				
15	16QAM	1	1	17.81			19.1	0.0
15	64QAM	1	1	17.78				
15	256QAM	1	1	17.73			19.1	0.0
Channel				340000	340500	341000		
Frequency (MHz)				1700	1702.5	1705	19.1	0.0
10	QPSK	1	1	18.03	17.95	17.89		
Channel				339500	340000	340500	19.1	0.0
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	17.99	18.03	17.95	19.1	0.0

n71 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				136100			24.0	0.0
Frequency (MHz)				680.5				
35	PI2 BPSK	1	1	23.13			24.0	0.0
35	PI2 BPSK	1	92		23.00			
35	PI2 BPSK	1	184		22.99		23.5	0.5
35	PI2 BPSK	94	0		22.59			
35	PI2 BPSK	94	47		23.20		24.0	0.0
35	PI2 BPSK	94	94		22.57			
35	PI2 BPSK	188	0		22.58		23.5	0.5
35	QPSK	1	1		23.21			
35	QPSK	1	92		23.02		24.0	0.0
35	QPSK	1	184		22.82			
35	QPSK	94	0		22.21		23.0	1.0
35	QPSK	94	47		23.16			
35	QPSK	94	94		22.10		23.0	1.0
35	QPSK	188	0		22.19			
35	16QAM	1	1		22.10		23.0	1.0
35	64QAM	1	1		20.79			
35	256QAM	1	1		18.70		19.5	4.5
Channel				135600	136100	136600		
Frequency (MHz)				678	680.5	683	Tune-up limit	MPR
30	QPSK	1	1	23.04	23.04	23.11	24.0	0.0
Channel				135100	136100	137100	Tune-up limit	MPR
Frequency (MHz)				675.5	680.5	685.5	(dBm)	(dB)
25	QPSK	1	1	23.12	23.07	23.08	24.0	0.0
Channel				134600	136100	137600	Tune-up limit	MPR
Frequency (MHz)				673	680.5	686	(dBm)	(dB)
20	QPSK	1	1	23.11	23.12	23.08	24.0	0.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	685.5	(dBm)	(dB)
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133500	136100	138600	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.11	23.10	23.16	24.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	23.08	23.08	23.10	24.0	0.0

n38 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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.52	16.41	16.45			
40	PI/2 BPSK	1	53	16.41	16.40	16.38	17.4	0.0	
40	PI/2 BPSK	1	104	16.36	16.49	16.18			
40	PI/2 BPSK	50	0	16.52	16.48	16.33	17.4	0.0	
40	PI/2 BPSK	50	28	16.29	16.46	16.36	17.4	0.0	
40	PI/2 BPSK	50	56	16.35	16.46	16.37	17.4	0.0	
40	PI/2 BPSK	100	0	16.39	16.42	16.33			
40	QPSK	1	1	16.53	16.66	16.54			
40	QPSK	1	53	16.44	16.52	16.37	17.4	0.0	
40	QPSK	1	104	16.33	16.55	16.50			
40	QPSK	50	0	16.23	16.31	16.20	17.4	0.0	
40	QPSK	50	28	16.26	16.45	16.38	17.4	0.0	
40	QPSK	50	56	16.23	16.17	16.19			
40	QPSK	100	0	16.05	16.31	16.21	17.4	0.0	
40	16QAM	1	1	16.22	16.36	16.30	17.4	0.0	
40	64QAM	1	1	16.31	16.35	16.17	17.4	0.0	
40	256QAM	1	1	16.25	16.36	16.18	17.4	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	16.42	16.59	16.48	17.4	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	16.43	16.55	16.44	17.4	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.48	16.60	16.43	17.4	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.46	16.59	16.40	17.4	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.43	16.58	16.42	17.4	0.0	

n41 PC3/PC2 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				502002	518998	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.63	16.56	16.55			
100	PI/2 BPSK	1	137	16.46	16.44	16.42	17.4	0.0	
100	PI/2 BPSK	1	271	16.44	16.55	16.29			
100	PI/2 BPSK	135	0	16.58	16.59	16.39	17.4	0.0	
100	PI/2 BPSK	135	69	16.44	16.57	16.45	17.4	0.0	
100	PI/2 BPSK	135	138	16.40	16.54	16.41	17.4	0.0	
100	PI/2 BPSK	270	0	16.48	16.48	16.40			
100	QPSK	1	1	16.66	16.72	16.63			
100	QPSK	1	137	16.52	16.54	16.42	17.4	0.0	
100	QPSK	1	271	16.46	16.62	16.55			
100	QPSK	135	0	16.31	16.42	16.29	17.4	0.0	
100	QPSK	135	69	16.38	16.56	16.51	17.4	0.0	
100	QPSK	135	138	16.28	16.28	16.33			
100	QPSK	270	0	16.15	16.42	16.26	17.4	0.0	
100	16QAM	1	1	16.30	16.44	16.40	17.4	0.0	
100	64QAM	1	1	16.37	16.45	16.24	17.4	0.0	
100	256QAM	1	1	16.35	16.44	16.33	17.4	0.0	
Channel				502000	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.58	16.60	16.44	17.4	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2648.99			
80	QPSK	1	1	16.55	16.67	16.45	17.4	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	16.50	16.57	16.45	17.4	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	16.55	16.56	16.50	17.4	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.52	16.59	16.44	17.4	0.0	
Channel				503200	518998	533498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	16.51	16.62	16.49	0.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	16.61	16.60	16.52	17.4	0.0	
Channel				502704	518998	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.52	16.63	16.45	0.0	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.58	16.59	16.49	17.4	0.0	
Channel				501702	518998	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	16.59	16.67	16.45	0.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.61	16.63	16.50	17.4	0.0	
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2592.99	2682.48			
15	QPSK	1	1	16.50	16.68	16.55	17.4	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.56	16.62	16.55	17.4	0.0	

n2 Ant 1								
BW (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				316000	316000	316000		
Frequency (MHz)				1870	1880	1890		
40	Pi2 BPSK	1	1	16.56	16.59	16.42		
40	Pi2 BPSK	1	108	16.47	16.45	16.37	17.6	0.0
40	Pi2 BPSK	1	214	16.34	16.48	16.25		
40	Pi2 BPSK	108	0	16.49	16.62	16.34	17.6	0.0
40	Pi2 BPSK	108	54	16.36	16.40	16.37	17.6	0.0
40	Pi2 BPSK	108	108	16.33	16.47	16.36	17.6	0.0
40	Pi2 BPSK	216	0	16.40	16.43	16.39	17.6	0.0
40	QPSK	1	1	16.55	16.64	16.55		
40	QPSK	1	108	16.43	16.56	16.43	17.6	0.0
40	QPSK	1	214	16.51	16.62	16.49		
40	QPSK	108	0	16.24	16.33	16.22	17.6	0.0
40	QPSK	108	54	16.38	16.52	16.41	17.6	0.0
40	QPSK	108	108	16.26	16.15	16.25	17.6	0.0
40	QPSK	216	0	16.11	16.34	16.20	17.6	0.0
40	16QAM	1	1	16.35	16.41	16.25	17.6	0.0
40	64QAM	1	1	16.28	16.34	16.28	17.6	0.0
40	256QAM	1	1	16.36	16.39	16.25	17.6	0.0
Channel				312000	310000	312000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)
36	QPSK	1	1	16.40	16.52	16.50	17.6	0.0
Channel				317000	316000	317000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1869	1880	1896	(dBm)	(dB)
30	QPSK	1	1	16.47	16.57	16.44	17.6	0.0
Channel				312500	316000	316500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1872.5	1880	1877.5	(dBm)	(dB)
28	QPSK	1	1	16.49	16.54	16.44	17.6	0.0
Channel				312000	316000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)
20	QPSK	1	1	16.44	16.53	16.40	17.6	0.0
Channel				311500	316000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5	(dBm)	(dB)
16	QPSK	1	1	16.42	16.55	16.47	17.6	0.0
Channel				311000	316000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900	(dBm)	(dB)
10	QPSK	1	1	16.46	16.53	16.42	17.6	0.0
Channel				310500	316000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1867.5	(dB)	(dB)
5	QPSK	1	1	16.42	16.57	16.49	17.6	0.0

n5 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 166600	Power Media Ch. / Freq. 167300	Power High Ch. / Freq. 167600	Tuneup limit (dBm)	MPR (dB)
Channel				834	836.5	838		
Frequency (MHz)								
20	Pi2 BPSK	1	1	22.89	23.00	22.91		
20	Pi2 BPSK	1	67	22.93	22.96	22.92	24.0	0.0
20	Pi2 BPSK	1	131	22.89	22.91	22.89		
20	Pi2 BPSK	64	0	22.48	22.58	22.52	23.5	0.5
20	Pi2 BPSK	64	35	23.07	23.08	23.07	24.0	0.0
20	Pi2 BPSK	64	69	22.44	22.52	22.54	23.5	0.5
20	Pi2 BPSK	128	0	22.45	22.55	22.47	23.5	0.5
20	QPSK	1	1	23.06	23.11	23.04		
20	QPSK	1	67	22.92	22.92	22.96	24.0	0.0
20	QPSK	1	131	22.85	22.85	22.83		
20	QPSK	64	0	22.10	22.15	22.11	23.0	1.0
20	QPSK	64	35	22.87	22.97	22.86	24.0	0.0
20	QPSK	64	69	22.03	22.01	22.09	23.0	1.0
20	QPSK	128	0	22.04	22.06	22.04	23.0	1.0
20	16QAM	1	1	21.97	22.06	21.97	23.0	1.0
20	64QAM	1	1	20.57	20.61	20.59	21.5	2.5
20	256QAM	1	1	18.61	18.67	18.57	19.5	4.5
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				838.5	838.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.95	23.04	22.89	24.0	0.0
Channel				165800	167300	166800	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				839 <th>836.5</th> <th>844</th> <th>(dBm)</th> <th>(dB)</th>	836.5	844	(dBm)	(dB)
10	QPSK	1	1	22.94	22.96	22.89	24.0	0.0
Channel				165500	167300	166300	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	840.5	(dBm)	(dB)
5	QPSK	1	1	22.92	23.05	22.97	24.0	0.0

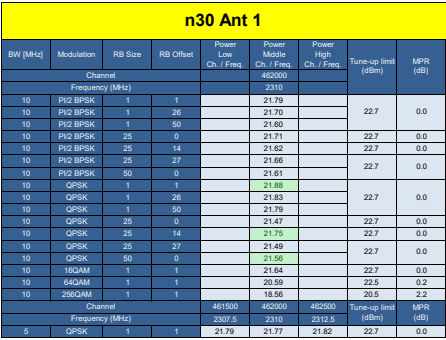
n12 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				708.5	707.5	708.5		
16	Pi2 BPSK	1	1	22.99	23.06	22.87		
16	Pi2 BPSK	1	40	22.78	22.99	22.79	24.0	0.0
16	Pi2 BPSK	1	77	22.76	22.92	22.78		
16	Pi2 BPSK	36	0	22.45	22.56	22.44	23.5	0.5
16	Pi2 BPSK	36	22	22.93	23.12	22.97	24.0	0.0
16	Pi2 BPSK	36	43	22.41	22.57	22.37		
16	Pi2 BPSK	75	0	22.35	22.58	22.43	23.5	0.5
16	QPSK	1	1	22.95	23.16	23.03		
16	QPSK	1	40	22.98	23.03	22.86	24.0	0.0
16	QPSK	1	77	22.84	22.99	22.74		
16	QPSK	36	0	22.06	22.17	21.96	23.0	1.0
16	QPSK	36	22	22.85	22.99	22.86	24.0	0.0
16	QPSK	36	43	21.96	22.08	21.98	23.0	1.0
16	QPSK	75	0	21.98	22.05	21.95		
16	16QAM	1	1	21.91	22.05	21.90	23.0	1.0
16	64QAM	1	1	20.56	20.67	20.57	21.5	2.5
16	256QAM	1	1	18.50	18.63	18.52	19.5	4.5
Channel				140300	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711	(dBm)	(dB)
10	QPSK	1	1	22.80	23.01	22.90	24.0	0.0
Channel				140300	141500	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				702.5	702.5	713.5	(dBm)	(dB)
5	QPSK	1	1	22.80	23.08	22.89	24.0	0.0



n14 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				156900				
Frequency (MHz)				763				
10	Pl2 BPSK	1	1	23.02			24.0	0.0
10	Pl2 BPSK	1	26	22.96				
10	Pl2 BPSK	1	50	22.92				
10	Pl2 BPSK	25	0	22.62			23.5	0.5
10	Pl2 BPSK	25	14	23.12			24.0	0.0
10	Pl2 BPSK	25	27	22.48			23.5	0.5
10	Pl2 BPSK	50	0	22.48			24.0	0.0
10	QPSK	1	1	23.17				
10	QPSK	1	26	23.02				
10	QPSK	1	50	22.91			23.0	1.0
10	QPSK	25	14	23.02			24.0	0.0
10	QPSK	25	27	22.12			23.0	1.0
10	QPSK	50	0	22.07			23.0	1.0
10	16QAM	1	1	22.03			23.0	1.0
10	64QAM	1	1	20.69			21.5	2.5
10	256QAM	1	1	18.07			19.5	4.5
Channel				150/100	150/100		Tune-up limit (dB)	MPR
Frequency (MHz)				750.5	763	795.5		
5	QPSK	1	1	23.09	23.07	23.00	24.0	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		376500		
Frequency (MHz)				1670		1682.5		
40	Pl2 BPSK	1	1	16.50	16.55	16.42	17.6	0.0
40	Pl2 BPSK	1	108	16.43	16.45	16.34		
40	Pl2 BPSK	1	214	16.37	16.45	16.32		
40	Pl2 BPSK	108	0	16.47	16.50	16.38	17.6	0.0
40	Pl2 BPSK	108	54	16.35	16.50	16.40	17.6	0.0
40	Pl2 BPSK	108	108	16.27	16.41	16.34	17.6	0.0
40	Pl2 BPSK	216	0	16.32	16.45	16.36	17.6	0.0
40	QPSK	1	1	16.59	16.69	16.53		
40	QPSK	1	108	16.42	16.60	16.43		
40	QPSK	1	214	16.43	16.63	16.54	17.6	0.0
40	QPSK	108	0	16.17	16.31	16.24	17.6	0.0
40	QPSK	108	54	16.43	16.54	16.41	17.6	0.0
40	QPSK	108	108	16.27	16.24	16.30	17.6	0.0
40	QPSK	216	0	16.04	16.35	16.18	17.6	0.0
40	16QAM	1	1	16.28	16.44	16.34	17.6	0.0
40	64QAM	1	1	16.25	16.34	16.24	17.6	0.0
40	256QAM	1	1	16.38	16.45	16.27	17.6	0.0
Channel				372500	374000	375500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1687.5	1682.5	1687.5		
35	QPSK	1	1	16.48	16.61	16.48	17.6	0.0
Channel				375000	376500	380000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1665	1662.5	1660		
30	QPSK	1	1	16.48	16.61	16.48	17.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1672.5	1672.5	1672.5		
25	QPSK	1	1	16.53	16.65	16.48	17.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1660	1682.5	1665		
20	QPSK	1	1	16.40	16.54	16.40	17.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1687.5	1682.5	1687.5		
15	QPSK	1	1	16.55	16.65	16.42	17.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1645	1662.5	1645		
10	QPSK	1	1	16.45	16.58	16.43	17.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1652.5	1662.5	1652.5		
5	QPSK	1	1	16.45	16.57	16.43	17.6	0.0

n26 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				164800		166300		
Frequency (MHz)				824		831.5		
20	Pl2 BPSK	1	1	22.81	23.05	22.99	24.0	0.0
20	Pl2 BPSK	1	53	22.67	22.92	22.97		
20	Pl2 BPSK	1	104	22.73	22.87	22.90		
20	Pl2 BPSK	50	0	22.34	22.55	22.51	23.5	0.5
20	Pl2 BPSK	50	26	22.83	23.13	23.09	24.0	0.0
20	Pl2 BPSK	50	56	22.29	22.57	22.50	23.5	0.5
20	Pl2 BPSK	100	0	22.31	22.48	22.53	24.0	0.0
20	QPSK	1	1	22.84	23.14	23.05		
20	QPSK	1	53	22.74	22.99	22.96		
20	QPSK	1	104	22.68	22.85	22.94	23.0	1.0
20	QPSK	50	0	21.88	22.08	22.11	23.0	1.0
20	QPSK	50	26	22.70	23.03	22.91	24.0	0.0
20	QPSK	50	56	21.80	22.12	22.06	23.0	1.0
20	QPSK	100	0	21.92	22.13	22.05	23.0	1.0
20	16QAM	1	1	21.85	22.03	22.02	23.0	1.0
20	64QAM	1	1	20.42	20.75	20.72	21.5	2.5
20	256QAM	1	1	18.37	18.62	18.64	19.5	4.5
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.72	23.01	22.92	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				810	831.5	844		
10	QPSK	1	1	22.69	22.99	22.89	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				814.5	811.5	841.5		
5	QPSK	1	1	22.76	23.01	22.97	24.0	0.0



n70 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	
Channel				340000	340500	341000	
Frequency (MHz)				1702.5	1702.5		
15	P12 BPSK	1	1	18.68			
15	P12 BPSK	1	40	18.68		19.7	0.0
15	P12 BPSK	1	77	18.68			
15	P12 BPSK	36	0	18.68		19.7	0.0
15	P12 BPSK	36	22	18.62		19.7	0.0
15	P12 BPSK	36	43	18.62			
15	P12 BPSK	75	0	18.61		19.7	0.0
15	QPSK	1	1	13.75			
15	QPSK	1	40	13.71		19.7	0.0
15	QPSK	1	77	13.71			
15	QPSK	36	0	13.47		19.7	0.0
15	QPSK	36	22	13.73		19.7	0.0
15	QPSK	36	43	13.42			
15	QPSK	75	0	13.51		19.7	0.0
15	16QAM	1	1	18.68			
15	16QAM	1	1	18.61		19.7	0.0
15	256QAM	1	1	18.51		19.7	0.0
Channel				340000	340500	341000	
Frequency (MHz)				1702.5	1702.5	1702.5	
10	QPSK	1	1	18.64	18.69	18.68	19.7
Channel				339500	340500	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	18.68	18.65	18.69	19.7

n71 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel					680.5		
Frequency (MHz)					23.25		
35	PQ2 BPSK	1	1		23.18		24.0
35	PQ2 BPSK	1	92		23.14		
35	PQ2 BPSK	1	184		22.79		23.5
35	PQ2 BPSK	94	0		23.24		24.0
35	PQ2 BPSK	94	47		22.77		
35	PQ2 BPSK	94	94		22.74		23.5
35	PQ2 BPSK	188	0		23.29		
35	QPSK	1	1		23.21		24.0
35	QPSK	1	92		23.11		
35	QPSK	1	184		22.28		23.0
35	QPSK	94	0		23.23		24.0
35	QPSK	94	47		22.28		
35	QPSK	94	94		22.31		23.0
35	QPSK	188	0		22.22		23.0
35	16QAM	1	1		20.91		21.5
35	64QAM	1	1		18.88		19.5
35	256QAM	1	1		136000	136000	
Channel					678	680.5	683
Frequency (MHz)					23.09	23.14	23.17
30	QPSK	1	1		135160	136160	137160
Channel					678.5	680.5	682.5
Frequency (MHz)					23.01	23.16	23.18
25	QPSK	1	1		134000	136100	137600
Channel					672	680.5	688
Frequency (MHz)					23.01	23.14	23.19
20	QPSK	1	1		134100	136100	138100
Channel					670.5	680.5	695.5
Frequency (MHz)					23.05	23.12	23.13
15	QPSK	1	1		133000	135100	136100
Channel					668	680.5	683
Frequency (MHz)					23.09	23.14	23.08
10	QPSK	1	1		133160	136160	139160
Channel					668.5	680.5	685.5
Frequency (MHz)					23.02	23.13	23.14
5	QPSK	1	1				

n38 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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	17.65	17.58	17.51	18.7	0.0	
40	PI2 BPSK	1	53	17.56	17.56	17.53			
40	PI2 BPSK	1	104	17.60	17.53	17.33			
40	PI2 BPSK	50	0	17.68	17.73	17.56	18.7	0.0	
40	PI2 BPSK	50	28	17.52	17.51	17.56	18.7	0.0	
40	PI2 BPSK	50	56	17.52	17.50	17.39	18.7	0.0	
40	PI2 BPSK	100	0	17.55	17.55	17.50	18.7	0.0	
40	QPSK	1	1	17.73	17.67	17.64			
40	QPSK	1	53	17.59	17.72	17.51			
40	QPSK	1	104	17.52	17.73	17.66	18.7	0.0	
40	QPSK	50	0	17.32	17.49	17.31	18.7	0.0	
40	QPSK	50	28	17.61	17.63	17.56	18.7	0.0	
40	QPSK	50	56	17.31	17.37	17.42	18.7	0.0	
40	QPSK	100	0	17.17	17.54	17.34	18.7	0.0	
40	16QAM	1	1	17.42	17.45	17.36	18.7	0.0	
40	64QAM	1	1	17.39	17.53	17.30	18.7	0.0	
40	256QAM	1	1	17.46	17.61	17.40	18.7	0.0	
Channel				517002	518000	518998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	17.58	17.77	17.60	18.7	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	17.62	17.77	17.53	18.7	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	17.63	17.76	17.56	18.7	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	17.67	17.74	17.55	18.7	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	17.62	17.77	17.55	18.7	0.0	

n41 PC3/PC2 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				506002	518998	529000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.74	17.73	17.64	18.7	0.0	
100	PI/2 BPSK	1	137	17.65	17.64	17.63			
100	PI/2 BPSK	1	271	17.64	17.66	17.45			
100	PI/2 BPSK	135	0	17.82	17.78	17.67	18.7	0.0	
100	PI/2 BPSK	135	69	17.59	17.65	17.64	18.7	0.0	
100	PI/2 BPSK	135	138	17.61	17.65	17.55	18.7	0.0	
100	PI/2 BPSK	270	0	17.80	17.70	17.62	18.7	0.0	
100	QPSK	1	1	17.77	17.85	17.80			
100	QPSK	1	137	17.73	17.84	17.65			
100	QPSK	1	271	17.65	17.85	17.77	18.7	0.0	
100	QPSK	135	0	17.40	17.59	17.45			
100	QPSK	135	69	17.67	17.73	17.61			
100	QPSK	135	138	17.47	17.60	17.49	18.7	0.0	
100	QPSK	270	0	17.28	17.61	17.46	18.7	0.0	
100	16QAM	1	1	17.50	17.61	17.48	18.7	0.0	
100	64QAM	1	1	17.53	17.60	17.42	18.7	0.0	
100	256QAM	1	1	17.58	17.66	17.45	18.7	0.0	
Channel				506000	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.70	17.80	17.66	18.7	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	17.69	17.82	17.75	18.7	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	17.71	17.85	17.74	18.7	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2669.98			
60	QPSK	1	1	17.69	17.82	17.66	18.7	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	17.68	17.85	17.72	18.7	0.0	
Channel				503200	518998	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.61	17.89	17.75	18.7	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	17.70	17.84	17.72	18.7	0.0	
Channel				502704	518998	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.73	17.91	17.66	18.7	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.65	17.87	17.71	18.7	0.0	
Channel				501702	518998	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.71	17.84	17.75	18.7	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.66	17.80	17.70	18.7	0.0	
Channel				500700	518998	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.72	17.87	17.68	18.7	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.63	17.87	17.73	18.7	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				505000	507000	509000	21.7	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl/2 BPSK	1	1	20.73	20.81	20.05	21.7	0.0	
50	Pl/2 BPSK	1	135	20.66	20.67	20.58			
50	Pl/2 BPSK	1	268	20.62	20.68	20.53			
50	Pl/2 BPSK	135	0	20.76	20.77	20.63			
50	Pl/2 BPSK	135	68	20.63	20.70	20.62	21.7	0.0	
50	Pl/2 BPSK	135	135	20.53	20.71	20.58	21.7	0.0	
50	Pl/2 BPSK	270	0	20.62	20.65	20.67	21.7	0.0	
50	QPSK	1	1	20.85	20.89	20.70			
50	QPSK	1	135	20.67	20.80	20.64			
50	QPSK	1	268	20.69	20.82	20.67			
50	QPSK	135	0	20.49	20.63	20.53	21.7	0.0	
50	QPSK	135	68	20.63	20.74	20.66	21.7	0.0	
50	QPSK	135	135	20.49	20.63	20.45	21.7	0.0	
50	QPSK	270	0	20.34	20.55	20.43	21.7	0.0	
50	16QAM	1	1	20.54	20.70	20.59			
50	64QAM	1	1	20.06	20.42	19.95			
50	256QAM	1	1	18.01	18.30	17.92			
Channel				2520	2535	2550	21.7	0.0	
Frequency (MHz)				504000	507000	510000			
40	QPSK	1	1	20.81	20.82	20.63	21.7	0.0	
Channel				503500	507000	510500	21.7	MPR	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	20.77	20.78	20.63	21.7	0.0	
Channel				503000	507000	511000	21.7	MPR	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	20.75	20.85	20.59	21.7	0.0	
Channel				502500	507000	511500	21.7	MPR	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	20.76	20.82	20.59	21.7	0.0	
Channel				502000	507000	512000	21.7	MPR	
Frequency (MHz)				2510	2535	2560			
20	Pl/2 BPSK	1	1	20.73	20.78	20.60	21.7	0.0	
Channel				501500	507000	512500	21.7	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	20.70	20.78	20.63	21.7	0.0	
Channel				501000	507000	513000	21.7	MPR	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	20.71	20.78	20.61	21.7	0.0	
Channel				500500	507000	513500	21.7	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	20.76	20.73	20.58	21.7	0.0	

n30 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				462000	462000	462000	2310	20.4	
Frequency (MHz)				19.40	19.40	19.40			
10	Pl/2 BPSK	1	1	19.40	19.40	19.40	20.4	0.0	
10	Pl/2 BPSK	1	26	19.28	19.28	19.28			
10	Pl/2 BPSK	1	50	19.26	19.26	19.26			
10	Pl/2 BPSK	25	0	19.44	19.44	19.44			
10	Pl/2 BPSK	25	14	19.28	19.28	19.28	20.4	0.0	
10	Pl/2 BPSK	25	27	19.32	19.32	19.32			
10	Pl/2 BPSK	50	0	19.26	19.26	19.26			
10	QPSK	1	1	19.40	19.40	19.40			
10	QPSK	1	26	19.43	19.43	19.43	20.4	0.0	
10	QPSK	1	50	19.42	19.42	19.42			
10	QPSK	25	0	19.10	19.10	19.10			
10	QPSK	25	14	19.32	19.32	19.32			
10	QPSK	25	27	19.06	19.06	19.06	20.4	0.0	
10	QPSK	50	0	19.19	19.19	19.19			
10	16QAM	1	1	19.20	19.20	19.20			
10	64QAM	1	1	19.18	19.18	19.18			
10	256QAM	1	1	18.95	18.95	18.95	20.4	0.0	
Channel				461500	462000	462500			
Frequency (MHz)				2307.5	2310	2312.5	20.4	0.0	
5	QPSK	1	1	19.39	19.34	19.40			



n38 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				518004	519000	519998			
Frequency (MHz)				2580.02	2595	2599.98			
40	PQ2 BPSK	1	1	20.10	20.09	20.08			
40	PQ2 BPSK	1	53	20.03	20.04	19.94		0.0	
40	PQ2 BPSK	1	104	19.88	19.90	19.75			
40	PQ2 BPSK	50	0	20.09	20.12	19.92	21.5	0.0	
40	PQ2 BPSK	50	28	19.87	19.99	19.93	21.5	0.0	
40	PQ2 BPSK	50	58	19.97	20.02	19.93	21.5	0.0	
40	PQ2 BPSK	100	0	19.90	19.89	19.95			
40	QPSK	1	1	20.17	20.31	19.99			
40	QPSK	1	53	19.96	20.12	19.93	21.5	0.0	
40	QPSK	1	104	20.00	20.16	20.00			
40	QPSK	50	0	19.75	19.87	19.79	21.5	0.0	
40	QPSK	50	28	19.91	20.06	19.95	21.5	0.0	
40	QPSK	50	58	19.87	19.86	19.85			
40	QPSK	100	0	19.86	19.85	19.73	21.5	0.0	
40	16QAM	1	1	19.83	20.01	19.84	21.5	0.0	
40	64QAM	1	1	19.81	19.97	19.71	21.5	0.0	
40	256QAM	1	1	19.51	19.89	18.43	19.0	2.5	
Channel				517002	518000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	20.06	20.26	19.89	21.5	0.0	
Channel				516504	519000	521496	Tune-up limit (dB)	MPR	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	20.08	20.10	19.89	21.5	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	20.06	20.17	19.84	21.5	0.0	
Channel				515502	519000	522498	Tune-up limit (dB)	MPR	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	20.01	20.25	19.94	21.5	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	20.12	20.21	19.90	21.5	0.0	

n41 PC3/PC2 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				502002	518598	520000			
Frequency (MHz)				2548.01	2592.99	2640			
100	PQ2 BPSK	1	1	20.21	20.17	20.13			
100	PQ2 BPSK	1	137	20.07	20.14	20.02		21.5	
100	PQ2 BPSK	1	271	20.03	20.05	19.98			
100	PQ2 BPSK	135	0	20.18	20.17	20.07	21.5	0.0	
100	PQ2 BPSK	135	69	19.99	20.11	20.03	21.5	0.0	
100	PQ2 BPSK	135	138	20.03	20.14	19.97	21.5	0.0	
100	PQ2 BPSK	270	0	20.06	20.04	20.01			
100	QPSK	1	1	20.23	20.36	20.15			
100	QPSK	1	137	20.09	20.21	20.08	21.5	0.0	
100	QPSK	1	271	20.06	20.20	20.12			
100	QPSK	135	0	19.90	19.96	19.92	21.5	0.0	
100	QPSK	135	69	20.00	20.13	20.07	21.5	0.0	
100	QPSK	135	138	19.92	19.90	19.95			
100	QPSK	270	0	19.76	19.87	19.80	21.5	0.0	
100	16QAM	1	1	19.98	20.06	19.89	21.5	0.0	
100	64QAM	1	1	19.88	20.02	19.83	21.5	0.0	
100	256QAM	1	1	19.95	20.08	19.95	21.5	0.0	
Channel				508200	518598	520996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.13	20.27	20.02	21.5	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	20.18	20.29	20.10	21.5	0.0	
Channel				506202	518598	521000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	20.17	20.26	20.10	21.5	0.0	
Channel				505200	518598	521996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2528	2592.99	2659.99			
60	QPSK	1	1	20.14	20.25	20.01	21.5	0.0	
Channel				504204	518598	522998	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	20.14	20.26	20.04	21.5	0.0	
Channel				503200	518598	523596	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	20.18	20.27	20.08	21.5	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.01	2592.99	2700			
40	QPSK	1	1	20.14	20.26	20.09	21.5	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	20.19	20.25	20.11	21.5	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.08	20.29	20.06	21.5	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	20.08	20.21	20.00	21.5	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.11	20.27	20.09	21.5	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
18	QPSK	1	1	20.17	20.24	20.04	21.5	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	20.11	20.32	20.06	21.5	0.0	

n48 Part96 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				638000	641666	645332			
Frequency (MHz)				3570	3624.99	3679.98			
40	PV2 BPSK	1	1	19.91	19.93	19.84			
40	PV2 BPSK	1	108	19.75	19.80	19.70	21.2	0.0	
40	PV2 BPSK	1	214	19.73	19.82	19.69			
40	PV2 BPSK	108	0	19.92	20.01	19.72	21.2	0.0	
40	PV2 BPSK	108	54	19.79	19.85	19.73	21.2	0.0	
40	PV2 BPSK	108	108	19.67	19.89	19.74	21.2	0.0	
40	PV2 BPSK	216	0	19.74	19.88	19.75			
40	QPSK	1	1	19.93	20.02	19.86			
40	QPSK	1	108	19.81	20.00	19.83	21.2	0.0	
40	QPSK	1	214	19.81	20.01	19.88			
40	QPSK	108	0	19.83	19.70	19.70	21.2	0.0	
40	QPSK	108	54	19.82	19.90	19.85	21.2	0.0	
40	QPSK	108	108	19.80	19.87	19.57	21.2	0.0	
40	QPSK	216	0	19.51	19.79	19.56	21.2	0.0	
40	16QAM	1	1	19.72	19.81	19.66	21.2	0.0	
40	64QAM	1	1	19.69	19.75	19.60	21.2	0.0	
40	256QAM	1	1	19.89	19.99	19.87	19.5	1.7	
Channel				637668	641666	645666	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3565.02	3624.99	3684.99			
30	QPSK	1	1	19.79	19.91	19.74	21.2	0.0	
Channel				637334	641666	646000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3604.01	3624.99	3650			
20	QPSK	1	1	19.80	19.97	19.75	21.2	0.0	
Channel				637168	641666	646166	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	19.81	19.87	19.72	21.2	0.0	
Channel				637000	641666	646332	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	19.88	19.89	19.79	21.2	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)				3750	3840	3930		
100	Pl2 BPSK	1	1	21.27	21.36	21.30		
100	Pl2 BPSK	1	137	21.20	21.25	21.11	22.8	0.0
100	Pl2 BPSK	1	271	21.17	21.23	21.12		
100	Pl2 BPSK	135	0	21.30	21.37	21.21	22.8	0.0
100	Pl2 BPSK	135	69	21.20	21.28	21.13	22.8	0.0
100	Pl2 BPSK	135	138	21.12	21.23	21.17	22.8	0.0
100	Pl2 BPSK	270	0	21.16	21.25	21.16		
100	QPSK	1	1	21.22	21.42	21.35		
100	QPSK	1	137	21.20	21.38	21.23	22.8	0.0
100	QPSK	1	271	21.24	21.41	21.33		
100	QPSK	135	0	21.04	21.16	21.04	22.8	0.0
100	QPSK	135	69	21.22	21.31	21.21	22.8	0.0
100	QPSK	135	138	21.10	21.03	21.10	22.8	0.0
100	QPSK	270	0	20.95	21.20	21.01		
100	16QAM	1	1	21.10	21.18	21.08	22.8	0.0
100	64QAM	1	1	21.05	21.13	20.97	22.8	0.0
100	256QAM	1	1	21.08	21.24	21.06	22.8	0.0
Channel				64968	65000	65034	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.20	21.26	21.28	22.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.01	3840	3940.02		
80	QPSK	1	1	21.20	21.25	21.30	22.8	0.0
Channel				649000	650000	650300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.19	21.26	21.28	22.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.21	21.31	21.29	22.8	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.17	21.31	21.29	22.8	0.0
Channel				648000	650000	650300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.24	21.33	21.28	22.8	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3840	3965.01		
30	QPSK	1	1	21.20	21.29	21.24	22.8	0.0
Channel				647000	650000	654500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	21.27	21.28	21.28	22.8	0.0
Channel				647334	650000	654668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.24	21.36	21.29	22.8	0.0
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.18	21.30	21.22	22.8	0.0
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.22	21.33	21.21	22.8	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)					3500.01			
100	Pl2 BPSK	1	1		21.44			
100	Pl2 BPSK	1	137		21.41		22.8	0.0
100	Pl2 BPSK	1	271		21.32			
100	Pl2 BPSK	135	0		21.43		22.8	0.0
100	Pl2 BPSK	135	69		21.39		22.8	0.0
100	Pl2 BPSK	135	138		21.38		22.8	0.0
100	Pl2 BPSK	270	0		21.40			
100	QPSK	1	1		21.21			
100	QPSK	1	137		21.48		22.8	0.0
100	QPSK	1	271		21.53			
100	QPSK	135	0		21.19		22.8	0.0
100	QPSK	135	69		21.44		22.8	0.0
100	QPSK	135	138		21.21		22.8	0.0
100	QPSK	270	0		21.25			
100	16QAM	1	1		21.38		22.8	0.0
100	64QAM	1	1		21.25		22.8	0.0
100	256QAM	1	1		21.35		22.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.48	21.54	21.45	22.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.50	21.54	21.49	22.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.52	21.52	21.55	22.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.51	21.44	21.52	22.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.50	21.55	21.46	22.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.55	21.49	21.51	22.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.53	21.54	21.52	22.8	0.0
Channel				630684	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.45	21.56	21.52	22.8	0.0
Channel				630368	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.51	21.45	21.56	22.8	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.48	21.54	21.49	22.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.55	21.54	21.46	22.8	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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pl2 BPSK	1	1		21.17			
100	Pl2 BPSK	1	137		21.05		22.8	0.0
100	Pl2 BPSK	1	271		21.08			
100	Pl2 BPSK	135	0		21.16		22.8	0.0
100	Pl2 BPSK	135	69		21.05		22.8	0.0
100	Pl2 BPSK	135	138		21.05		22.8	0.0
100	Pl2 BPSK	270	0		21.08			
100	QPSK	1	1		21.24		22.8	0.0
100	QPSK	1	137		21.17		22.8	0.0
100	QPSK	1	271		21.22			
100	QPSK	135	0		20.89		22.8	0.0
100	QPSK	135	69		21.11		22.8	0.0
100	QPSK	135	138		20.81		22.8	0.0
100	QPSK	270	0		20.97			
100	16QAM	1	1		21.04		22.8	0.0
100	64QAM	1	1		21.03		22.8	0.0
100	256QAM	1	1		21.05		22.8	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.13	21.12	21.15	22.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3743.01	3750	3750.02		
80	QPSK	1	1	21.11	21.12	21.09	22.8	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.15	21.11	21.09	22.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.11	21.13	21.11	22.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.10	21.13	21.19	22.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.13	21.20	21.14	22.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3750	3785.01		
30	QPSK	1	1	21.13	21.09	21.09	22.8	0.0
Channel				647000	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.10	21.13	21.19	22.8	0.0
Channel				646734	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.15	21.14	21.18	22.8	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	21.12	21.20	21.09	22.8	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.18	21.14	21.12	22.8	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				633334			22.8	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		21.40		22.8	0.0	
100	PI2 BPSK	1	137		21.36				
100	PI2 BPSK	1	271		21.34		22.8	0.0	
100	PI2 BPSK	135	0		21.38				
100	PI2 BPSK	135	69		21.28		22.8	0.0	
100	PI2 BPSK	135	138		21.30				
100	PI2 BPSK	270	0		21.35		22.8	0.0	
100	QPSK	1	1		21.53				
100	QPSK	1	137		21.46		22.8	0.0	
100	QPSK	1	271		21.48				
100	QPSK	135	0		21.18		22.8	0.0	
100	QPSK	135	69		21.45				
100	QPSK	135	138		21.15		22.8	0.0	
100	QPSK	270	0		21.17				
100	16QAM	1	1		21.25		22.8	0.0	
100	64QAM	1	1		21.21				
100	256QAM	1	1		21.25		22.8	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dbm)		
90	QPSK	1	1	21.45	21.49	21.47	22.8	0.0	
Channel				632668	633334	634000	Tune-up limit (dbm)		
Frequency (MHz)				3490.02	3500.01	3510	MPR (db)		
80	QPSK	1	1	21.49	21.41	21.37	22.8	0.0	
Channel				632334	633334	634334	Tune-up limit (dbm)		
Frequency (MHz)				3485.01	3500.01	3515.01	MPR (db)		
70	QPSK	1	1	21.43	21.48	21.41	22.8	0.0	
Channel				632000	633334	634668	Tune-up limit (dbm)		
Frequency (MHz)				3489	3500.01	3520.02	MPR (db)		
60	QPSK	1	1	21.45	21.44	21.43	22.8	0.0	
Channel				631668	633334	635000	Tune-up limit (dbm)		
Frequency (MHz)				3475.02	3500.01	3525	MPR (db)		
50	QPSK	1	1	21.47	21.47	21.41	22.8	0.0	
Channel				631334	633334	635334	Tune-up limit (dbm)		
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (db)		
40	QPSK	1	1	21.38	21.47	21.46	22.8	0.0	
Channel				631000	633334	635668	Tune-up limit (dbm)		
Frequency (MHz)				3465	3500.01	3551.02	MPR (db)		
30	QPSK	1	1	21.49	21.45	21.44	22.8	0.0	
Channel				630834	633334	635834	Tune-up limit (dbm)		
Frequency (MHz)				3462.51	3500.01	3537.51	MPR (db)		
25	QPSK	1	1	21.39	21.38	21.48	22.8	0.0	
Channel				630668	633334	636000	Tune-up limit (dbm)		
Frequency (MHz)				3460.02	3500.01	3540	MPR (db)		
20	QPSK	1	1	21.39	21.45	21.44	22.8	0.0	
Channel				630500	633334	636168	Tune-up limit (dbm)		
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (db)		
15	QPSK	1	1	21.44	21.45	21.45	22.8	0.0	
Channel				630334	633334	636334	Tune-up limit (dbm)		
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (db)		
10	QPSK	1	1	21.47	21.43	21.39	22.8	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)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	14.45	14.48	14.40		
40	PI2 BPSK	1	108	14.37	14.41	14.33	15.5	0.0
40	PI2 BPSK	1	214	14.32	14.43	14.21		
40	PI2 BPSK	108	0	14.49	14.54	14.35	15.5	0.0
40	PI2 BPSK	108	54	14.30	14.41	14.32	15.5	0.0
40	PI2 BPSK	108	108	14.25	14.36	14.30	15.5	0.0
40	PI2 BPSK	216	0	14.33	14.37	14.34		
40	QPSK	1	1	14.50	14.61	14.43		
40	QPSK	1	108	14.39	14.55	14.28	15.5	0.0
40	QPSK	1	214	14.42	14.51	14.44		
40	QPSK	108	0	14.11	14.29	14.18	15.5	0.0
40	QPSK	108	54	14.35	14.48	14.38	15.5	0.0
40	QPSK	108	108	14.20	14.22	14.24	15.5	0.0
40	QPSK	216	0	14.07	14.32	14.18		
40	16QAM	1	1	14.26	14.39	14.20	15.5	0.0
40	64QAM	1	1	14.20	14.26	14.15	15.5	0.0
40	256QAM	1	1	14.21	14.27	14.25	15.5	0.0
Channel				6370.02	6410.01	6450.01	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	14.43	14.54	14.31	15.5	0.0
Channel				6373.34	6416.66	6460.00	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	14.42	14.49	14.30	15.5	0.0
Channel				6371.68	6416.66	6461.66	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	14.34	14.46	14.35	15.5	0.0
Channel				6370.00	6416.66	6463.32	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	14.46	14.53	14.28	15.5	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)				3750	3840	3930		
100	PI2 BPSK	1	1	14.69	14.73	14.60		
100	PI2 BPSK	1	137	14.56	14.56	14.49	15.8	0.0
100	PI2 BPSK	1	271	14.51	14.64	14.42		
100	PI2 BPSK	135	0	14.69	14.73	14.52	15.8	0.0
100	PI2 BPSK	135	69	14.56	14.64	14.50	15.8	0.0
100	PI2 BPSK	135	138	14.49	14.65	14.48	15.8	0.0
100	PI2 BPSK	270	0	14.51	14.52	14.55		
100	QPSK	1	1	14.96	14.78	14.67		
100	QPSK	1	137	14.64	14.72	14.50	15.8	0.0
100	QPSK	1	271	14.58	14.74	14.62		
100	QPSK	135	0	14.33	14.50	14.47	15.8	0.0
100	QPSK	135	69	14.47	14.70	14.55	15.8	0.0
100	QPSK	135	138	14.43	14.35	14.44	15.8	0.0
100	QPSK	270	0	14.20	14.52	14.42		
100	16QAM	1	1	14.45	14.53	14.46	15.8	0.0
100	64QAM	1	1	14.45	14.48	14.32	15.8	0.0
100	256QAM	1	1	14.50	14.51	14.42	15.8	0.0
Channel				6486.68	6500.00	6523.34	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	14.56	14.68	14.56	15.8	0.0
Channel				6493.34	6560.00	6626.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	14.51	14.74	14.29	15.8	0.0
Channel				6490.00	6560.00	6630.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	14.56	14.72	14.63	15.8	0.0
Channel				6486.68	6560.00	6633.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	14.51	14.68	14.61	15.8	0.0
Channel				6483.34	6560.00	6636.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	14.51	14.70	14.61	15.8	0.0
Channel				6480.00	6560.00	6640.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	14.53	14.71	14.60	15.8	0.0
Channel				6476.68	6560.00	6643.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3940	3972.01		
30	QPSK	1	1	14.53	14.69	14.54	15.8	0.0
Channel				6475.00	6560.00	6645.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	14.57	14.67	14.61	15.8	0.0
Channel				6473.34	6560.00	6646.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	14.61	14.65	14.61	15.8	0.0
Channel				6471.68	6560.00	6648.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	14.52	14.68	14.53	15.8	0.0
Channel				6470.00	6560.00	6650.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.53	14.67	14.51	15.8	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)				3500.01				
100	PI2 BPSK	1	1		14.72			
100	PI2 BPSK	1	137		14.61		15.8	0.0
100	PI2 BPSK	1	271		14.60			
100	PI2 BPSK	135	0		14.67		15.8	0.0
100	PI2 BPSK	135	69		14.61		15.8	0.0
100	PI2 BPSK	135	138		14.58		15.8	0.0
100	PI2 BPSK	270	0		14.55			
100	QPSK	1	1		14.62		15.8	0.0
100	QPSK	1	137		14.69			
100	QPSK	1	271		14.77			
100	QPSK	135	0		14.47		15.8	0.0
100	QPSK	135	69		14.73		15.8	0.0
100	QPSK	135	138		14.40		15.8	0.0
100	QPSK	270	0		14.52			
100	16QAM	1	1		14.58		15.8	0.0
100	64QAM	1	1		14.49		15.8	0.0
100	256QAM	1	1		14.52		15.8	0.0
Channel				6380.00	6333.34	6386.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.67	14.74	14.67	15.8	0.0
Channel				6326.68	6333.34	6340.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3492.02	3500.01	3510		
80	QPSK	1	1	14.70	14.70	14.69	15.8	0.0
Channel				6323.34	6333.34	6343.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.67	14.73	14.77	15.8	0.0
Channel				6320.00	6333.34	6346.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.73	14.69	14.70	15.8	0.0
Channel				6316.68	6333.34	6350.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.70	14.72	14.69	15.8	0.0
Channel				6313.34	6333.34	6353.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.68	14.66	14.69	15.8	0.0
Channel				6310.00	6333.34	6356.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.68	14.73	14.74	15.8	0.0
Channel				6308.34	6333.34	6358.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.69	14.71	14.69	15.8	0.0
Channel				6306.68	6333.34	6360.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.73	14.76	14.67	15.8	0.0
Channel				6305.00	6333.34	6361.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.72	14.71	14.67	15.8	0.0
Channel				6303.34	6333.34	6363.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.69	14.75	14.68	15.8	0.0

Part270 n78 PC3\PC2 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		14.28				
100	PI2 BPSK	1	137		14.13		15.8	0.0	
100	PI2 BPSK	1	271		14.11				
100	PI2 BPSK	135	0		14.25		15.8	0.0	
100	PI2 BPSK	135	69		14.19		15.8	0.0	
100	PI2 BPSK	135	138		14.20		15.8	0.0	
100	PI2 BPSK	270	0		14.13				
100	QPSK	1	1		14.32				
100	QPSK	1	137		14.30		15.8	0.0	
100	QPSK	1	271		14.25				
100	QPSK	135	0		14.05		15.8	0.0	
100	QPSK	135	69		14.24		15.8	0.0	
100	QPSK	135	138		13.97		15.8	0.0	
100	QPSK	270	0		14.04				
100	16QAM	1	1		14.09		15.8	0.0	
100	64QAM	1	1		14.09		15.8	0.0	
100	256QAM	1	1		14.14		15.8	0.0	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		14.15	14.20	14.22	15.8	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		14.19	14.21	14.24	15.8	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		14.22	14.16	14.25	15.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		14.19	14.24	14.23	15.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		14.24	14.16	14.21	15.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		14.25	14.24	14.21	15.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3713.02	3750	3793.01			
30	QPSK	1	1		14.21	14.16	14.15	15.8	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		14.20	14.16	14.14	15.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		14.25	14.22	14.15	15.8	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		14.25	14.15	14.19	15.8	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		14.18	14.21	14.22	15.8	0.0

Part27Q n78 PC3\PC2 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)						3500.01			
100	PI2 BPSK	1	1				14.59		
100	PI2 BPSK	1	137				14.50	15.8	
100	PI2 BPSK	1	271				14.50		
100	PI2 BPSK	135	0				14.51	15.8	
100	PI2 BPSK	135	69				14.51	15.8	
100	PI2 BPSK	135	138				14.50	15.8	
100	PI2 BPSK	270	0				14.49		
100	QPSK	1	1				14.65		
100	QPSK	1	137				14.62	15.8	
100	QPSK	1	271				14.61		
100	QPSK	135	0				14.26	15.8	
100	QPSK	135	69				14.50	15.8	
100	QPSK	135	138				14.27	15.8	
100	QPSK	270	0				14.34		
100	16QAM	1	1				14.42	15.8	
100	64QAM	1	1				14.36	15.8	
100	256QAM	1	1				14.44	15.8	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		14.53	14.57	14.53	15.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		14.53	14.59	14.47	15.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		14.58	14.52	14.52	15.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		14.47	14.53	14.55	15.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		14.48	14.51	14.58	15.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		14.54	14.48	14.53	15.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3533.02			
30	QPSK	1	1		14.51	14.57	14.51	15.8	0.0
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		14.53	14.49	14.53	15.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		14.48	14.49	14.58	15.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		14.54	14.54	14.52	15.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		14.53	14.54	14.48	15.8	0.0

n2 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI/2 BPSK	1	1	23.01	23.09	22.92	24.0	0.0	
40	PI/2 BPSK	1	108	22.97	23.10	22.91			
40	PI/2 BPSK	1	214	22.94	22.96	22.83			
40	PI/2 BPSK	108	0	22.83	22.82	22.48			
40	PI/2 BPSK	108	54	23.08	23.12	23.01	24.0	0.0	
40	PI/2 BPSK	108	108	22.60	22.67	22.46	23.5	0.5	
40	PI/2 BPSK	216	0	22.54	22.62	22.47	24.0	0.0	
40	QPSK	1	1	23.15	23.21	23.02			
40	QPSK	1	108	22.97	23.06	22.92			
40	QPSK	1	214	23.00	22.97	22.80			
40	QPSK	108	0	22.12	22.24	22.04	23.0	1.0	
40	QPSK	108	54	23.08	23.09	22.85	24.0	0.0	
40	QPSK	108	108	22.08	22.12	22.02	23.0	1.0	
40	QPSK	216	0	22.08	22.14	22.01	23.0	1.0	
40	16QAM	1	1	22.08	22.18	22.00			
40	64QAM	1	1	20.77	20.75	20.58			
40	256QAM	1	1	18.72	18.73	18.58			
Channel				372500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	24.0	0.0	
35	QPSK	1	1	23.05	23.09	22.89	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1900	1905	24.0	0.0	
30	QPSK	1	1	23.02	23.06	22.83	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0	
25	QPSK	1	1	23.02	23.11	22.96	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	24.0	0.0	
20	QPSK	1	1	23.01	23.11	22.90	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0	
15	QPSK	1	1	23.05	23.14	22.83	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	24.0	0.0	
10	QPSK	1	1	23.08	23.13	22.91	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.0	0.0	
5	QPSK	1	1	23.08	23.08	22.87	24.0	0.0	

n25 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	24.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	23.04	23.08	23.01	24.0	0.0	
40	PI/2 BPSK	1	108	22.98	23.04	22.93			
40	PI/2 BPSK	1	214	22.95	23.06	22.90			
40	PI/2 BPSK	108	0	22.50	22.64	22.59			
40	PI/2 BPSK	108	54	23.13	23.16	23.05	24.0	0.0	
40	PI/2 BPSK	108	108	22.50	22.58	22.49	23.5	0.5	
40	PI/2 BPSK	216	0	22.55	22.59	22.48	24.0	0.0	
40	QPSK	1	1	23.07	23.20	23.14			
40	QPSK	1	108	23.02	23.07	22.94			
40	QPSK	1	214	22.96	22.95	22.89			
40	QPSK	108	0	22.07	22.24	22.12	23.0	1.0	
40	QPSK	108	54	23.04	23.11	23.00	24.0	0.0	
40	QPSK	108	108	22.12	22.11	22.02	23.0	1.0	
40	QPSK	216	0	22.07	22.21	22.12	23.0	1.0	
40	16QAM	1	1	22.05	22.07	21.88			
40	64QAM	1	1	20.68	20.74	20.62			
40	256QAM	1	1	18.89	18.78	18.64			
Channel				372500	376000	378500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	24.0	0.0	
35	QPSK	1	1	22.95	23.03	23.07	24.0	0.0	
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1902.5	1900	24.0	0.0	
30	QPSK	1	1	22.95	23.03	23.07	24.0	0.0	
Channel				372500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	24.0	0.0	
25	QPSK	1	1	22.94	23.08	23.07	24.0	0.0	
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	24.0	0.0	
20	QPSK	1	1	23.00	23.09	23.09	24.0	0.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	24.0	0.0	
15	QPSK	1	1	22.90	23.09	23.08	24.0	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	24.0	0.0	
10	QPSK	1	1	22.97	23.04	23.01	24.0	0.0	
Channel				370500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	24.0	0.0	
5	QPSK	1	1	22.98	23.05	23.02	24.0	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				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.76	23.07	22.63			
40	PI2 BPSK	1	168	22.71	22.97	22.53	23.5	0.5	
40	PI2 BPSK	1	214	22.72	22.97	22.58			
40	PI2 BPSK	108	0	22.40	22.56	22.18			
40	PI2 BPSK	108	54	22.85	23.02	22.72	24.0	0.0	
40	PI2 BPSK	108	108	22.29	22.52	22.15	23.5	0.5	
40	PI2 BPSK	216	0	22.35	22.57	22.10			
40	QPSK	1	1	22.91	23.14	22.78			
40	QPSK	1	108	22.80	22.95	22.62	24.0	0.0	
40	QPSK	1	214	22.78	22.90	22.54	23.0	1.0	
40	QPSK	108	0	21.92	22.16	21.74			
40	QPSK	108	54	22.82	22.97	22.60	24.0	0.0	
40	QPSK	108	108	21.90	22.11	21.78	23.0	1.0	
40	QPSK	216	0	21.91	22.03	21.73			
40	16QAM	1	1	21.90	22.02	21.88	23.0	1.0	
40	64QAM	1	1	20.49	20.75	20.35	21.5	2.5	
40	256QAM	1	1	18.38	18.58	18.24	19.5	4.5	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.85	23.03	22.55	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.79	23.07	22.58	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.83	23.09	22.59	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.81	22.98	22.54	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.86	22.97	22.57	24.0	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				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1702.5	1709	1716			
15	PI2 BPSK	1	1	23.09	23.08	22.61			
15	PI2 BPSK	1	40	23.08	23.06	22.73	23.5	0.5	
15	PI2 BPSK	1	77	23.06	22.73	22.17			
15	PI2 BPSK	36	0	22.73	22.61	22.17			
15	PI2 BPSK	36	22	23.17	22.61	22.17	24.0	0.0	
15	PI2 BPSK	36	43	22.61	22.61	22.17	23.5	0.5	
15	PI2 BPSK	75	0	22.60	22.61	22.17			
15	QPSK	1	1	23.27	23.14	22.78			
15	QPSK	1	40	23.14	23.14	22.78	24.0	0.0	
15	QPSK	1	77	23.04	22.29	21.80	23.0	1.0	
15	QPSK	36	0	22.29	23.08	22.21			
15	QPSK	36	22	23.08	22.21	22.18	24.0	0.0	
15	QPSK	36	43	22.21	22.18	21.80	23.0	1.0	
15	QPSK	75	0	22.18	22.18	21.80			
15	16QAM	1	1	22.14	20.78	19.5	23.0	1.0	
15	64QAM	1	1	20.78	18.80	18.24	21.5	2.5	
15	256QAM	1	1	18.80	18.80	18.24	19.5	4.5	
Channel				348000	349000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.15	23.19	23.17	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.15	23.19	23.21	24.0	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				630000	641666	645332	19.7	0.0
Frequency (MHz)				3670	3624.99	3679.98		
40	PI2 BPSK	1	1	18.52	18.48	18.45		
40	PI2 BPSK	1	108	18.35	18.35	18.30		
40	PI2 BPSK	1	214	18.37	18.37	18.21	19.7	0.0
40	PI2 BPSK	108	0	18.44	18.54	18.30		
40	PI2 BPSK	108	54	18.33	18.45	18.31		
40	PI2 BPSK	108	108	18.23	18.42	18.30		
40	PI2 BPSK	216	0	18.26	18.43	18.32	19.7	0.0
40	QPSK	1	1	18.51	18.63	18.50		
40	QPSK	1	108	18.37	18.50	18.28		
40	QPSK	1	214	18.38	18.56	18.43		
40	QPSK	108	0	18.20	18.30	18.21	19.7	0.0
40	QPSK	108	54	18.38	18.51	18.44	19.7	0.0
40	QPSK	108	108	18.22	18.23	18.19	19.7	0.0
40	QPSK	216	0	18.06	18.28	18.11	19.7	0.0
40	16QAM	1	1	18.29	18.37	18.24	19.7	0.0
40	16QAM	1	1	18.26	18.35	18.20	19.7	0.0
40	256QAM	1	1	17.32	17.40	17.23	18.5	1.2
Channel				637668	641000	645368	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	18.41	18.51	18.34	19.7	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3620.01	3624.99	3700		
20	QPSK	1	1	18.30	18.48	18.41	19.7	0.0
Channel				637188	641666	646166	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3657.52	3624.99	3692.49		
15	QPSK	1	1	18.44	18.58	18.45	19.7	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3656	3624.99	3684.98		
10	QPSK	1	1	18.46	18.55	18.45	19.7	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				650000	656000	662000	19.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	18.75	18.78	18.70		
100	PI2 BPSK	1	137	18.72	18.74	18.66		
100	PI2 BPSK	1	271	18.69	18.73	18.54	19.7	0.0
100	PI2 BPSK	135	0	18.82	18.85	18.69		
100	PI2 BPSK	135	69	18.60	18.78	18.63		
100	PI2 BPSK	135	138	18.59	18.77	18.64		
100	PI2 BPSK	270	0	18.84	18.76	18.74	19.7	0.0
100	QPSK	1	1	18.81	18.89	18.81		
100	QPSK	1	137	18.76	18.85	18.73		
100	QPSK	1	271	18.76	18.84	18.81		
100	QPSK	135	0	18.55	18.55	18.60	19.7	0.0
100	QPSK	135	69	18.73	18.77	18.72	19.7	0.0
100	QPSK	135	138	18.56	18.57	18.53	19.7	0.0
100	QPSK	270	0	18.42	18.68	18.49	19.7	0.0
100	16QAM	1	1	18.57	18.70	18.63	19.7	0.0
100	64QAM	1	1	18.51	18.60	18.48	19.7	0.0
100	256QAM	1	1	18.61	18.70	18.50	19.7	0.0
Channel				648988	650000	652124	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.80	18.73	18.67	19.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3942.02		
80	QPSK	1	1	18.73	18.82	18.76	19.7	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.82	18.82	18.68	19.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3952.01		
60	QPSK	1	1	18.77	18.82	18.74	19.7	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.77	18.77	18.74	19.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.76	18.84	18.73	19.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.02	3840	3957.01		
30	QPSK	1	1	18.81	18.79	18.66	19.7	0.0
Channel				647500	656000	664500	Tuneup limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.82	18.73	18.68	19.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3972.02		
20	QPSK	1	1	18.74	18.83	18.75	19.7	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.73	18.76	18.76	19.7	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.85	18.83	18.67	19.7	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				633334	633334	635001	19.7	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1	18.62				
100	PI2 BPSK	1	137	18.51				
100	PI2 BPSK	1	271	18.43			19.7	0.0
100	PI2 BPSK	135	0	18.54				
100	PI2 BPSK	135	69	18.51				
100	PI2 BPSK	135	138	18.56				
100	PI2 BPSK	270	0	18.49			19.7	0.0
100	QPSK	1	1	18.67				
100	QPSK	1	137	18.61				
100	QPSK	1	271	18.60				
100	QPSK	135	0	18.30			19.7	0.0
100	QPSK	135	69	18.63			19.7	0.0
100	QPSK	135	138	18.22			19.7	0.0
100	QPSK	270	0	18.34			19.7	0.0
100	16QAM	1	1	18.41			19.7	0.0
100	64QAM	1	1	18.44			19.7	0.0
100	256QAM	1	1	18.39			19.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.60	18.52	18.58	19.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3492.02	3500.01	3510		
80	QPSK	1	1	18.54	18.52	18.42	19.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.53	18.57	18.52	19.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.63	18.61	18.53	19.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.59	18.54	18.62	19.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.57	18.63	18.62	19.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.60	18.62	18.52	19.7	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.53	18.51	18.51	19.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.61	18.53	18.62	19.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.61	18.55	18.54	19.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.52	18.62	18.59	19.7	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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		18.46			
100	PI2 BPSK	1	137		18.27		19.7	0.0
100	PI2 BPSK	1	271		18.33			
100	PI2 BPSK	135	0		18.38		19.7	0.0
100	PI2 BPSK	135	69		18.31		19.7	0.0
100	PI2 BPSK	135	138		18.38		19.7	0.0
100	PI2 BPSK	270	0		18.26			
100	QPSK	1	1		18.53			
100	QPSK	1	137		18.48		19.7	0.0
100	QPSK	1	271		18.43			
100	QPSK	135	0		18.18		19.7	0.0
100	QPSK	135	69		18.40		19.7	0.0
100	QPSK	135	138		18.06		19.7	0.0
100	QPSK	270	0		18.27			
100	16QAM	1	1		18.32		19.7	0.0
100	64QAM	1	1		18.29		19.7	0.0
100	256QAM	1	1		18.27		19.7	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		18.39	18.42	18.49	19.7 0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		18.43	18.48	18.42	19.7 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		18.43	18.43	18.42	19.7 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		18.43	18.42	18.39	19.7 0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		18.42	18.49	18.46	19.7 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		18.38	18.38	18.38	19.7 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3735.01		
30	QPSK	1	1		18.49	18.40	18.41	19.7 0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1		18.43	18.40	18.46	19.7 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		18.44	18.45	18.45	19.7 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		18.42	18.40	18.38	19.7 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		18.39	18.45	18.47	19.7 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					633334			
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		18.36			
100	PI2 BPSK	1	137		18.32		19.7	0.0
100	PI2 BPSK	1	271		18.31			
100	PI2 BPSK	135	0		18.35		19.7	0.0
100	PI2 BPSK	135	69		18.29		19.7	0.0
100	PI2 BPSK	135	138		18.31		19.7	0.0
100	PI2 BPSK	270	0		18.31			
100	QPSK	1	1		18.52			
100	QPSK	1	137		18.48		19.7	0.0
100	QPSK	1	271		18.43			
100	QPSK	135	0		18.18		19.7	0.0
100	QPSK	135	69		18.43		19.7	0.0
100	QPSK	135	138		18.14		19.7	0.0
100	QPSK	270	0		18.23			
100	16QAM	1	1		18.25		19.7	0.0
100	64QAM	1	1		18.19		19.7	0.0
100	256QAM	1	1		18.29		19.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		18.43	18.41	18.39	19.7 0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		18.39	18.49	18.40	19.7 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		18.48	18.42	18.45	19.7 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		18.47	18.44	18.40	19.7 0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		18.40	18.40	18.39	19.7 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		18.39	18.40	18.44	19.7 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		18.47	18.37	18.46	19.7 0.0
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1		18.40	18.43	18.36	19.7 0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		18.46	18.42	18.48	19.7 0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		18.42	18.40	18.42	19.7 0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		18.47	18.47	18.39	19.7 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				636000	641666	646332	19.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	18.06	18.16	18.06		
40	PI2 BPSK	1	108	17.98	17.89	17.91		
40	PI2 BPSK	1	214	17.97	18.08	17.88	19.0	0.0
40	PI2 BPSK	108	0	18.12	18.16	17.91		
40	PI2 BPSK	108	54	17.87	18.04	17.94	19.0	0.0
40	PI2 BPSK	108	108	17.88	18.08	17.86	19.0	0.0
40	PI2 BPSK	216	0	17.91	17.85	17.99	19.0	0.0
40	QPSK	1	1	18.09	18.28	18.14		
40	QPSK	1	108	18.06	18.13	17.91		
40	QPSK	1	214	18.05	18.16	18.12		
40	QPSK	108	0	17.75	17.89	17.81	19.0	0.0
40	QPSK	108	54	18.01	18.05	17.99	19.0	0.0
40	QPSK	108	108	17.87	17.87	17.79	19.0	0.0
40	QPSK	216	0	17.83	17.93	17.75		
40	16QAM	1	1	17.82	17.98	17.86	19.0	0.0
40	64QAM	1	1	17.92	17.91	17.83	19.0	0.0
40	256QAM	1	1	17.47	17.55	17.34	18.5	0.5
Channel				631668	641666	645668	19.0	MPR
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.96	18.16	18.09	19.0	0.0
Channel				637334	641666	646000	19.0	MPR
Frequency (MHz)				3590.01	3624.99	3690		
20	QPSK	1	1	17.94	18.24	18.04	19.0	0.0
Channel				631668	641666	646166	19.0	MPR
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.98	18.23	18.05	19.0	0.0
Channel				637000	641666	646332	19.0	MPR
Frequency (MHz)				3555	3624.99	3692.99		
10	QPSK	1	1	17.94	18.24	18.06	19.0	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				650000	650000	650000	17.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.58	16.64	16.59		
100	PI2 BPSK	1	137	16.46	16.56	16.42		
100	PI2 BPSK	1	271	16.48	16.58	16.36	17.5	0.0
100	PI2 BPSK	135	0	16.65	16.71	16.48		
100	PI2 BPSK	135	69	16.49	16.56	16.52	17.5	0.0
100	PI2 BPSK	135	138	16.43	16.59	16.44	17.5	0.0
100	PI2 BPSK	270	0	16.49	16.52	16.49		
100	QPSK	1	1	16.54	16.72	16.63	17.5	0.0
100	QPSK	1	137	16.54	16.65	16.48		
100	QPSK	1	271	16.59	16.63	16.61	17.5	0.0
100	QPSK	135	0	16.26	16.43	16.39		
100	QPSK	135	69	16.45	16.67	16.55	17.5	0.0
100	QPSK	135	138	16.34	16.37	16.40	17.5	0.0
100	QPSK	270	0	16.26	16.44	16.32		
100	16QAM	1	1	16.41	16.54	16.37	17.5	0.0
100	64QAM	1	1	16.33	16.45	16.32	17.5	0.0
100	256QAM	1	1	16.40	16.51	16.37	17.5	0.0
Channel				3745.02	3840	3935.01	17.5	MPR
Frequency (MHz)				648668	650000	652234		
90	QPSK	1	1	16.52	16.63	16.48	17.5	0.0
Channel				649334	650000	652668	17.5	MPR
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.52	16.60	16.51	17.5	0.0
Channel				649000	650000	653000	17.5	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.54	16.64	16.52	17.5	0.0
Channel				648668	650000	653334	17.5	MPR
Frequency (MHz)				3720.02	3840	3950.01		
60	QPSK	1	1	16.53	16.59	16.50	17.5	0.0
Channel				648334	650000	653668	17.5	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.56	16.62	16.58	17.5	0.0
Channel				648000	650000	654000	17.5	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.56	16.62	16.53	17.5	0.0
Channel				647668	650000	654334	17.5	MPR
Frequency (MHz)				3713.02	3840	3955.01		
30	QPSK	1	1	16.50	16.65	16.54	17.5	0.0
Channel				647500	650000	654500	17.5	MPR
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.57	16.66	16.58	17.5	0.0
Channel				647334	650000	654668	17.5	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.58	16.67	16.55	17.5	0.0
Channel				647168	650000	654834	17.5	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.57	16.60	16.52	17.5	0.0
Channel				647000	650000	655000	17.5	MPR
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.50	16.63	16.59	17.5	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				633334	633334		17.5	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		16.72			
100	PI2 BPSK	1	137		16.52			
100	PI2 BPSK	1	271		16.57		17.5	0.0
100	PI2 BPSK	135	0		16.62		17.5	0.0
100	PI2 BPSK	135	69		16.62		17.5	0.0
100	PI2 BPSK	135	138		16.56		17.5	0.0
100	PI2 BPSK	270	0		16.52		17.5	0.0
100	QPSK	1	1		16.74		17.5	0.0
100	QPSK	1	137		16.72			
100	QPSK	1	271		16.73		17.5	0.0
100	QPSK	135	0		16.38		17.5	0.0
100	QPSK	135	69		16.70		17.5	0.0
100	QPSK	135	138		16.29		17.5	0.0
100	QPSK	270	0		16.44		17.5	0.0
100	16QAM	1	1		16.51		17.5	0.0
100	64QAM	1	1		16.44		17.5	0.0
100	256QAM	1	1		16.47		17.5	0.0
Channel				633000	633334	633668	17.5	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.61	16.67	16.66	17.5	0.0
Channel				632668	633334	634000	17.5	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.65	16.62	16.60	17.5	0.0
Channel				632334	633334	634334	17.5	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.59	16.68	16.68	17.5	0.0
Channel				632000	633334	634668	17.5	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.69	16.62	16.64	17.5	0.0
Channel				631668	633334	635000	17.5	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.58	16.59	16.57	17.5	0.0
Channel				631334	633334	635334	17.5	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.67	16.64	16.59	17.5	0.0
Channel				631000	633334	635668	17.5	MPR
Frequency (MHz)				3465	3500.01	3533.02		
30	QPSK	1	1	16.62	16.60	16.60	17.5	0.0
Channel				630668	633334	635934	17.5	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.64	16.58	16.59	17.5	0.0
Channel				630668	633334	636000	17.5	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.65	16.65	16.67	17.5	0.0
Channel				630500	633334	636168	17.5	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.63	16.61	16.66	17.5	0.0
Channel				630334	633334	636334	17.5	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.62	16.68	16.60	17.5	0.0

Part270 n78 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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI2 BPSK	1	1		16.91			
100	PI2 BPSK	1	137		16.80		17.5	0.0
100	PI2 BPSK	1	271		16.92			
100	PI2 BPSK	135	0		16.93		17.5	0.0
100	PI2 BPSK	135	69		16.86		17.5	0.0
100	PI2 BPSK	135	138		16.80		17.5	0.0
100	PI2 BPSK	270	0		16.74			
100	QPSK	1	1		17.03			
100	QPSK	1	137		16.94		17.5	0.0
100	QPSK	1	271		16.94			
100	QPSK	135	0		16.83		17.5	0.0
100	QPSK	135	69		16.87		17.5	0.0
100	QPSK	135	138		16.58		17.5	0.0
100	QPSK	270	0		16.74			
100	16QAM	1	1		16.76		17.5	0.0
100	64QAM	1	1		16.73		17.5	0.0
100	256QAM	1	1		16.77		17.5	0.0
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		16.90	16.89	16.94	17.5 0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		16.97	16.97	16.88	17.5 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		16.89	16.93	16.95	17.5 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		16.91	16.89	16.95	17.5 0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		16.92	16.91	16.89	17.5 0.0
Channel				3720	3750	3780	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		16.98	16.90	16.92	17.5 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3735.01		
30	QPSK	1	1		16.98	16.90	16.94	17.5 0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1		16.93	16.92	16.90	17.5 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		16.88	16.96	16.97	17.5 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		16.90	16.91	16.98	17.5 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		16.97	16.89	16.94	17.5 0.0

Part27Q n78 Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI2 BPSK	1	1		16.52			
100	PI2 BPSK	1	137		16.37		17.5	0.0
100	PI2 BPSK	1	271		16.43			
100	PI2 BPSK	135	0		16.50		17.5	0.0
100	PI2 BPSK	135	69		16.43		17.5	0.0
100	PI2 BPSK	135	138		16.48		17.5	0.0
100	PI2 BPSK	270	0		16.46			
100	QPSK	1	1		16.59			
100	QPSK	1	137		16.50		17.5	0.0
100	QPSK	1	271		16.57			
100	QPSK	135	0		16.24		17.5	0.0
100	QPSK	135	69		16.52		17.5	0.0
100	QPSK	135	138		16.27		17.5	0.0
100	QPSK	270	0		16.38			
100	16QAM	1	1		16.40		17.5	0.0
100	64QAM	1	1		16.39		17.5	0.0
100	256QAM	1	1		16.34		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		16.53	16.54	16.46	17.5 0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		16.49	16.52	16.53	17.5 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		16.44	16.53	16.45	17.5 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		16.44	16.44	16.45	17.5 0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		16.50	16.53	16.46	17.5 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		16.45	16.52	16.44	17.5 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		16.50	16.45	16.49	17.5 0.0
Channel				630834	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1		16.50	16.50	16.52	17.5 0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		16.50	16.45	16.50	17.5 0.0
Channel				630600	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		16.52	16.50	16.44	17.5 0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		16.52	16.52	16.47	17.5 0.0

n38 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	16.91	16.86	16.86	18.0	0.0	
40	PI2 BPSK	1	53	16.85	16.72	16.71			
40	PI2 BPSK	1	104	16.77	16.86	16.61			
40	PI2 BPSK	50	0	16.90	16.92	16.70			
40	PI2 BPSK	50	28	16.69	16.77	16.68	18.0	0.0	
40	PI2 BPSK	50	56	16.63	16.78	16.63	18.0	0.0	
40	PI2 BPSK	100	0	16.86	16.89	16.71			
40	QPSK	1	1	16.96	17.03	16.90			
40	QPSK	1	53	16.82	16.92	16.68			
40	QPSK	1	104	16.75	17.01	16.81	18.0	0.0	
40	QPSK	50	0	16.63	16.63	16.61	18.0	0.0	
40	QPSK	50	28	16.74	16.88	16.78			
40	QPSK	50	56	16.64	16.59	16.62			
40	QPSK	100	0	16.54	16.69	16.58			
40	16QAM	1	1	16.73	16.68	16.58	18.0	0.0	
40	64QAM	1	1	16.68	16.78	16.53			
40	256QAM	1	1	16.59	16.72	16.63			
Channel				517002	518000	518998			
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	16.88	16.98	16.79	18.0	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	16.87	16.90	16.86	18.0	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.88	16.96	16.79	18.0	0.0	
Channel				515502	519000	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.86	16.98	16.86	18.0	0.0	
Channel				515004	519000	525996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.85	16.95	16.78	18.0	0.0	

n41 PC3\PC2 Ant 10									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518998	526000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.96	16.97	16.91	18.0	0.0	
100	PI/2 BPSK	1	137	16.91	16.87	16.86			
100	PI/2 BPSK	1	271	16.85	16.94	16.70			
100	PI/2 BPSK	135	0	16.98	16.97	16.80			
100	PI/2 BPSK	135	69	16.78	16.88	16.81	18.0	0.0	
100	PI/2 BPSK	135	138	16.79	16.90	16.74	18.0	0.0	
100	PI/2 BPSK	270	0	16.89	16.94	16.86	18.0	0.0	
100	QPSK	1	1	17.09	17.14	17.02			
100	QPSK	1	137	16.86	17.01	16.78			
100	QPSK	1	271	16.89	17.10	16.97			
100	QPSK	135	0	16.69	16.71	16.69	18.0	0.0	
100	QPSK	135	69	16.86	16.99	16.85	18.0	0.0	
100	QPSK	135	138	16.74	16.85	16.70	18.0	0.0	
100	QPSK	270	0	16.57	16.76	16.63			
100	16QAM	1	1	16.79	16.81	16.72			
100	64QAM	1	1	16.80	16.88	16.65			
100	256QAM	1	1	16.72	16.84	16.72	18.0	0.0	
Channel				506000	518998	526000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.95	17.04	16.87	18.0	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2649.99			
80	QPSK	1	1	16.97	17.02	16.96	18.0	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	17.02	17.02	16.95	18.0	0.0	
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2669.98			
60	QPSK	1	1	17.02	16.99	16.88	18.0	0.0	
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.98	17.05	16.92	18.0	0.0	
Channel				503200	518998	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.03	17.08	16.89	18.0	0.0	
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.03	17.04	16.89	18.0	0.0	
Channel				502704	518998	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.99	17.03	16.89	18.0	0.0	
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.03	17.01	16.98	18.0	0.0	
Channel				501702	518998	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.02	16.98	16.95	18.0	0.0	
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.94	17.08	16.95	18.0	0.0	
Channel				500700	518998	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
16	QPSK	1	1	17.03	17.04	16.92	18.0	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.94	17.06	16.87	18.0	0.0	



Reduced Power Mode for ECI 4

n2 Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				374000	376000	378000	MPR (dB)
Frequency (MHz)							
40	PI2 BPSK	1	1	22.50	22.75	22.71	24.0
40	PI2 BPSK	1	108	22.50	22.73	22.66	
40	PI2 BPSK	1	214	22.56	22.76	22.60	
40	PI2 BPSK	108	0	22.08	22.26	22.23	23.5
40	PI2 BPSK	108	54	22.53	22.76	22.63	24.0
40	PI2 BPSK	108	108	22.02	22.23	22.18	23.5
40	PI2 BPSK	216	0	22.05	22.23	22.12	
40	QPSK	1	1	22.62	22.82	22.73	
40	QPSK	1	108	22.53	22.77	22.59	24.0
40	QPSK	1	214	22.53	22.75	22.66	23.0
40	QPSK	108	0	21.57	21.62	21.69	
40	QPSK	108	54	22.52	22.77	22.66	
40	QPSK	108	108	21.54	21.76	21.61	23.0
40	QPSK	216	0	21.51	21.79	21.60	
40	16QAM	1	1	21.45	21.75	21.58	
40	64QAM	1	1	20.14	20.39	20.34	21.5
40	256QAM	1	1	18.15	18.34	18.23	19.5
Channel				373500	376000	378500	Tune-up limit (dBm)
Frequency (MHz)				1667.5	1680	1692.5	MPR (dB)
35	QPSK	1	1	22.51	22.74	22.67	24.0
Channel				373000	376000	379000	Tune-up limit (dBm)
Frequency (MHz)				1665	1680	1695	MPR (dB)
30	QPSK	1	1	22.55	22.65	22.63	24.0
Channel				372500	376000	379500	Tune-up limit (dBm)
Frequency (MHz)				1662.5	1680	1697.5	MPR (dB)
25	QPSK	1	1	22.57	22.67	22.66	24.0
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1660	1680	1900	MPR (dB)
20	QPSK	1	1	22.48	22.69	22.58	24.0
Channel				371500	376000	380500	Tune-up limit (dBm)
Frequency (MHz)				1657.5	1680	1902.5	MPR (dB)
15	QPSK	1	1	22.48	22.77	22.56	24.0
Channel				371000	376000	381000	Tune-up limit (dBm)
Frequency (MHz)				1655	1680	1905	MPR (dB)
10	QPSK	1	1	22.48	22.75	22.62	24.0
Channel				370500	376000	381500	Tune-up limit (dBm)
Frequency (MHz)				1652.5	1680	1907.5	MPR (dB)
5	QPSK	1	1	22.48	22.67	22.59	24.0

12

n5 Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)
Channel				166800	167300	167800	MPR (dB)
Frequency (MHz)							
20	PI2 BPSK	1	1	22.77	22.81	22.84	24.0
20	PI2 BPSK	1	53	22.65	22.77	22.57	
20	PI2 BPSK	1	104	22.68	22.80	22.61	
20	PI2 BPSK	50	0	22.31	22.41	22.20	23.5
20	PI2 BPSK	50	28	22.61	22.87	22.72	24.0
20	PI2 BPSK	50	56	22.26	22.33	22.23	23.5
20	PI2 BPSK	100	0	22.26	22.30	22.23	
20	QPSK	1	1	22.82	22.99	22.71	
20	QPSK	1	53	22.76	22.83	22.63	24.0
20	QPSK	1	104	22.63	22.76	22.50	23.0
20	QPSK	50	0	21.83	21.90	21.73	
20	QPSK	50	28	22.86	22.95	22.70	
20	QPSK	50	56	21.86	21.93	21.74	23.0
20	QPSK	100	0	21.88	21.92	21.71	
20	16QAM	1	1	21.79	21.86	21.68	
20	64QAM	1	1	20.37	20.59	20.39	21.5
20	256QAM	1	1	18.40	18.46	18.32	19.5
Channel				166300	167300	168300	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.5	MPR (dB)
15	QPSK	1	1	22.67	22.82	22.64	24.0
Channel				165800	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	MPR (dB)
10	QPSK	1	1	22.68	22.86	22.55	24.0
Channel				165300	167300	169300	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	844.5	MPR (dB)
5	QPSK	1	1	22.77	22.86	22.56	24.0

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)
Channel				141300	141500	141700	MPR (dB)
Frequency (MHz)							
15	PI2 BPSK	1	1	22.70	22.85	22.70	24.0
15	PI2 BPSK	1	40	22.60	22.76	22.70	
15	PI2 BPSK	1	77	22.58	22.76	22.62	
15	PI2 BPSK	36	0	22.28	22.37	22.30	23.5
15	PI2 BPSK	36	22	22.70	22.95	22.77	24.0
15	PI2 BPSK	36	43	22.16	22.33	22.28	23.5
15	PI2 BPSK	75	0	22.16	22.33	22.25	
15	QPSK	1	1	22.77	23.00	22.80	
15	QPSK	1	40	22.67	22.76	22.62	24.0
15	QPSK	1	77	22.63	22.77	22.57	23.0
15	QPSK	36	0	21.77	21.94	21.80	
15	QPSK	36	22	22.67	22.94	22.73	
15	QPSK	36	43	21.76	21.93	21.76	23.0
15	QPSK	75	0	21.77	21.87	21.73	
15	16QAM	1	1	21.70	21.83	21.79	
15	64QAM	1	1	20.36	20.46	20.36	21.5
15	256QAM	1	1	18.35	18.45	18.33	19.5
Channel				140800	141500	142200	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	MPR (dB)
10	QPSK	1	1	22.52	22.65	22.70	24.0
Channel				140300	141500	142700	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	MPR (dB)
5	QPSK	1	1	22.69	22.86	22.66	24.0



n14 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				793	158000			
Frequency (MHz)								
10	PI2 BPSK	1	1	22.94			24.0	0.0
10	PI2 BPSK	1	26	22.85				
10	PI2 BPSK	1	50	22.94				
10	PI2 BPSK	25	0	22.49			23.5	0.5
10	PI2 BPSK	25	14	22.96			24.0	0.0
10	PI2 BPSK	25	27	22.45			23.5	0.5
10	PI2 BPSK	50	0	22.43				
10	QPSK	1	1	23.07				
10	QPSK	1	26	22.97			24.0	0.0
10	QPSK	1	50	22.86			23.0	1.0
10	QPSK	25	0	22.10				
10	QPSK	25	14	23.03				
10	QPSK	25	27	22.06			23.0	1.0
10	QPSK	50	0	22.10			23.0	1.0
10	16QAM	1	1	22.06				
10	64QAM	1	1	20.66				
10	256QAM	1	1	18.58			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5	24.0	0.0
5	QPSK	1	1	22.99	22.93	23.00	24.0	0.0

n25 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				374000	376500	379000		
Frequency (MHz)								
40	PI2 BPSK	1	1	22.59	22.69	22.61	24.0	0.0
40	PI2 BPSK	1	108	22.48	22.59	22.45		
40	PI2 BPSK	1	214	22.52	22.60	22.45		
40	PI2 BPSK	108	0	22.10	22.24	22.06	23.5	0.5
40	PI2 BPSK	108	54	22.69	22.69	22.61	24.0	0.0
40	PI2 BPSK	108	108	22.14	22.14	22.07	23.5	0.5
40	PI2 BPSK	216	0	22.09	22.21	22.05		
40	QPSK	1	1	22.65	22.79	22.71		
40	QPSK	1	108	22.55	22.67	22.49	24.0	0.0
40	QPSK	1	214	22.51	22.60	22.45	23.0	1.0
40	QPSK	108	0	21.66	21.77	21.71		
40	QPSK	108	54	22.64	22.70	22.62		
40	QPSK	108	108	21.66	21.71	21.63	23.0	1.0
40	QPSK	216	0	21.62	21.69	21.66	23.0	1.0
40	16QAM	1	1	21.65	21.73	21.63		
40	64QAM	1	1	20.23	20.38	20.22		
40	256QAM	1	1	18.21	18.33	18.15	19.5	4.5
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1892.5	1897.5	24.0	0.0
35	QPSK	1	1	22.46	22.50	22.40	24.0	0.0
Channel				1865	1892.5	1900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1892.5	1900	24.0	0.0
30	QPSK	1	1	22.56	22.71	22.56	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1892.5	1892.5	24.0	0.0
25	QPSK	1	1	22.49	22.73	22.56	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1892.5	1905	24.0	0.0
20	QPSK	1	1	22.56	22.73	22.64	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1897.5	1892.5	1907.5	24.0	0.0
15	QPSK	1	1	22.59	22.66	22.64	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1905	1892.5	1910	24.0	0.0
10	QPSK	1	1	22.48	22.62	22.66	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1892.5	1912.5	24.0	0.0
5	QPSK	1	1	22.50	22.67	22.64	24.0	0.0

n26 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				164800	166300	167800		
Frequency (MHz)								
20	PI2 BPSK	1	1	22.22	22.25	22.23	24.0	0.0
20	PI2 BPSK	1	53	22.19	22.18	22.14		
20	PI2 BPSK	1	104	22.10	22.14	22.09		
20	PI2 BPSK	50	0	21.69	21.78	21.70	23.5	0.5
20	PI2 BPSK	50	28	22.36	22.33	22.28	24.0	0.0
20	PI2 BPSK	50	56	21.76	21.77	21.73	23.5	0.5
20	PI2 BPSK	100	0	21.82	21.81	21.74		
20	QPSK	1	1	22.95	22.98	22.90		
20	QPSK	1	53	22.17	22.24	22.16	24.0	0.0
20	QPSK	1	104	22.16	22.16	22.06	23.0	1.0
20	QPSK	50	0	21.33	21.39	21.38		
20	QPSK	50	28	22.25	22.30	22.22		
20	QPSK	50	56	21.26	21.35	21.34	23.0	1.0
20	QPSK	100	0	21.36	21.38	21.31	23.0	1.0
20	16QAM	1	1	21.24	21.30	21.25		
20	64QAM	1	1	19.99	19.93	19.93		
20	256QAM	1	1	17.84	17.85	17.79	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
15	QPSK	1	1	821.5	831.5	841.5	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	819	831.5	844	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)								
5	QPSK	1	1	844.5	841.5	846.5	24.0	0.0

n66 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Median Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				1720	1745	1760	24.0	0.0
Frequency (MHz)				346000	349000	352000		
Frequency (MHz)				1720	1745	1760		
40	PI/2 BPSK	1	1	22.49	22.50	22.44	24.0	0.0
40	PI/2 BPSK	1	108	22.45	22.46	22.36		
40	PI/2 BPSK	1	214	22.43	22.50	22.37		
40	PI/2 BPSK	108	0	22.04	22.14	21.91	23.5	0.5
40	PI/2 BPSK	108	54	22.51	22.57	22.42	24.0	0.0
40	PI/2 BPSK	108	108	22.01	22.06	21.92	23.5	0.5
40	PI/2 BPSK	216	0	22.03	22.10	21.92		
40	QPSK	1	1	22.57	22.66	22.50		
40	QPSK	1	108	22.48	22.50	22.34	24.0	0.0
40	QPSK	1	214	22.41	22.45	22.37		
40	QPSK	108	0	21.52	21.59	21.55	23.0	1.0
40	QPSK	108	54	22.51	22.64	22.51	24.0	0.0
40	QPSK	108	108	21.57	21.58	21.51	23.0	1.0
40	QPSK	216	0	21.53	21.58	21.45		
40	16QAM	1	1	21.49	21.57	21.46	23.0	1.0
40	64QAM	1	1	20.11	20.27	20.05	21.5	2.5
40	256QAM	1	1	18.16	18.11	17.99	19.5	4.5
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1727.5	1745	1762.5	(dBm)	(dB)
35	QPSK	1	1	22.43	22.50	22.40	24.0	0.0
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)
30	QPSK	1	1	22.43	22.50	22.40	24.0	0.0
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)
25	QPSK	1	1	22.52	22.54	22.41	24.0	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)
20	QPSK	1	1	22.43	22.58	22.42	24.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)
15	QPSK	1	1	22.42	22.56	22.33	24.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)
10	QPSK	1	1	22.46	22.56	22.39	0.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)
5	QPSK	1	1	22.49	22.56	22.37	0.0	0.0

n70 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				340500				
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1	22.85			24.0	0.0
15	PI/2 BPSK	1	40	22.78				
15	PI/2 BPSK	1	77	22.80				
15	PI/2 BPSK	36	0	22.38			23.5	0.5
15	PI/2 BPSK	36	22	22.85			24.0	0.0
15	PI/2 BPSK	36	40	22.40			23.5	0.5
15	PI/2 BPSK	75	0	22.38				
15	QPSK	1	1	22.97				
15	QPSK	1	40	22.81			24.0	0.0
15	QPSK	1	77	22.80				
15	QPSK	36	0	21.98			23.0	1.0
15	QPSK	36	22	22.85			24.0	0.0
15	QPSK	36	43	21.91			23.0	1.0
15	QPSK	75	0	21.99				
15	16QAM	1	1	21.90				
15	64QAM	1	1	20.58			21.5	2.5
15	256QAM	1	1	18.49			19.5	4.5
Channel				340000	340500	341000	Tune-up limit	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	22.84	22.80	22.50	24.0	0.0
Channel				338500	340500	341500	Tune-up limit	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	22.87	22.90	22.81	24.0	0.0

n71 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				136100				
Frequency (MHz)				660.5				
35	PI/2 BPSK	1	1	23.13			24.0	0.0
35	PI/2 BPSK	1	92	23.00				
35	PI/2 BPSK	1	184	22.99				
35	PI/2 BPSK	94	0	22.59			23.5	0.5
35	PI/2 BPSK	94	47	23.20			24.0	0.0
35	PI/2 BPSK	94	94	23.57			23.5	0.5
35	PI/2 BPSK	188	0	22.58				
35	QPSK	1	1	23.21				
35	QPSK	1	92	23.02			24.0	0.0
35	QPSK	1	184	22.92				
35	QPSK	94	0	22.21			23.0	1.0
35	QPSK	94	47	23.16			24.0	0.0
35	QPSK	94	94	22.10			23.0	1.0
35	QPSK	188	0	22.19				
35	16QAM	1	1	22.10				
35	64QAM	1	1	20.79			21.5	2.5
35	256QAM	1	1	18.70			19.5	4.5
Channel				135600	136100	136600	Tune-up limit	MPR
Frequency (MHz)				678	680.5	683	(dBm)	(dB)
30	QPSK	1	1	23.04	23.04	23.11	24.0	0.0
Channel				135100	136100	137100	Tune-up limit	MPR
Frequency (MHz)				675.5	680.5	685.5	(dBm)	(dB)
25	QPSK	1	1	23.12	23.07	23.08	24.0	0.0
Channel				134600	136100	137600	Tune-up limit	MPR
Frequency (MHz)				673	680.5	688	(dBm)	(dB)
20	QPSK	1	1	23.11	23.12	23.08	24.0	0.0
Channel				134100	136100	138100	Tune-up limit	MPR
Frequency (MHz)				670.5	680.5	685.5	(dBm)	(dB)
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133600	136100	138500	Tune-up limit	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.11	23.10	23.18	24.0	0.0
Channel				133100	136100	139100	Tune-up limit	MPR
Frequency (MHz)				665.5	680.5	685.5	(dBm)	(dB)
5	QPSK	1	1	23.08	23.08	23.10	24.0	0.0



n38 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				518004	518000	518998			
Frequency (MHz)				2580.02	2595	2599.98			
40	P12 BPSK	1	1	22.94	23.04	23.02			
40	P12 BPSK	1	53	22.86	23.03	22.88	24.0	0.0	
40	P12 BPSK	1	104	22.90	22.99	22.90			
40	P12 BPSK	50	0	22.49	22.81	22.56	23.5	0.5	
40	P12 BPSK	50	28	23.01	23.14	23.06	24.0	0.0	
40	P12 BPSK	50	58	22.50	22.56	22.54	23.5	0.5	
40	P12 BPSK	100	0	22.50	22.53	22.48			
40	QPSK	1	1	21.06	21.15	23.08			
40	QPSK	1	53	22.93	22.98	22.97	24.0	0.0	
40	QPSK	1	104	22.87	22.90	22.86			
40	QPSK	50	0	22.09	22.13	22.06	23.0	1.0	
40	QPSK	50	28	22.96	23.14	22.95	24.0	0.0	
40	QPSK	50	58	22.07	22.12	22.05			
40	QPSK	100	0	21.97	22.18	22.11	23.0	1.0	
40	16QAM	1	1	21.98	22.07	22.07	23.0	1.0	
40	64QAM	1	1	20.87	20.75	20.70	21.5	2.5	
40	256QAM	1	1	18.57	18.64	18.62	19.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.93	23.00	23.01	24.0	0.0	
Channel				516504	518000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.52	23.02	23.02	24.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.98	23.07	22.95	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.96	23.08	23.02	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.91	23.08	22.99	24.0	0.0	

n41 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				509202	518598	529000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	22.74	22.89	22.80			
100	P12 BPSK	1	137	22.75	22.79	22.84	24.0	0.0	
100	P12 BPSK	1	271	22.73	22.82	22.82			
100	P12 BPSK	135	0	22.40	22.40	22.42	24.0	0.0	
100	P12 BPSK	135	69	22.81	22.91	22.95	24.0	0.0	
100	P12 BPSK	135	138	22.33	22.37	22.41	24.0	0.0	
100	P12 BPSK	270	0	22.27	22.41	22.39			
100	QPSK	1	1	22.86	22.98	22.96			
100	QPSK	1	137	22.70	22.81	22.85	24.0	0.0	
100	QPSK	1	271	22.71	22.74	22.71			
100	QPSK	135	0	22.65	22.76	22.80	24.0	0.0	
100	QPSK	135	69	22.81	22.90	22.86	24.0	0.0	
100	QPSK	135	138	22.62	22.65	22.74	24.0	0.0	
100	QPSK	270	0	22.63	22.77	22.78			
100	16QAM	1	1	22.65	22.68	22.76	24.0	0.0	
100	64QAM	1	1	22.63	22.70	22.79	24.0	0.0	
100	256QAM	1	1	21.34	21.52	21.44	22.5	1.5	
Channel				508200	518598	529598	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.76	22.86	22.88	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.80	22.91	22.89	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	22.79	22.88	22.88	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.80	22.88	22.82	24.0	0.0	
Channel				503200	518598	533598	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.71	22.88	22.85	0.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	22.62	22.91	22.80	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.72	22.86	22.80	0.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.79	22.86	22.83	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.83	22.89	22.79	0.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.72	22.88	22.87	24.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.76	22.82	22.80	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.78	22.93	22.86	24.0	0.0	

n41 PC2 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				509202	518598	529000			
Frequency (MHz)				2548.01	2592.99	2640			
100	P12 BPSK	1	1	24.44	24.46	24.35			
100	P12 BPSK	1	137	24.37	24.34	24.36	26.0	0.0	
100	P12 BPSK	1	271	24.32	24.34	24.31			
100	P12 BPSK	135	0	23.93	23.97	23.92	25.5	0.5	
100	P12 BPSK	135	69	24.56	24.56	24.52	26.0	0.0	
100	P12 BPSK	135	138	23.98	23.99	23.98	25.5	0.5	
100	P12 BPSK	270	0	23.97	24.03	23.95			
100	QPSK	1	1	24.36		24.46			
100	QPSK	1	137	24.43		24.44	26.0	0.0	
100	QPSK	1	271	24.39	24.33	24.29			
100	QPSK	135	0	23.57	23.83	23.51	25.0	1.0	
100	QPSK	135	69	24.37	24.41	24.38	26.0	0.0	
100	QPSK	135	138	23.51	23.50	23.49	25.0	1.0	
100	QPSK	270	0	23.53	23.55	23.44			
100	16QAM	1	1	23.48	23.44	23.48	25.0	1.0	
100	64QAM	1	1	22.17	22.16	22.10	23.5	2.5	
100	256QAM	1	1	20.08	20.08	20.06	21.5	4.5	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.37	24.55	24.34	26.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			

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				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PV2 BPSK	1	1	22.40	22.54	22.47		
40	PV2 BPSK	1	108	22.33	22.41	22.41	24.0	0.0
40	PV2 BPSK	1	214	22.42	22.42	22.39		
40	PV2 BPSK	108	0	21.98	22.10	22.02	23.5	0.5
40	PV2 BPSK	108	44	22.52	22.54	22.52	24.0	0.0
40	PV2 BPSK	108	108	21.92	21.99	21.90	23.5	0.5
40	PV2 BPSK	216	0	21.90	22.06	21.93		
40	QPSK	1	1	22.57	22.58	22.47		
40	QPSK	1	108	22.40	22.47	22.42	24.0	0.0
40	QPSK	1	214	22.40	22.43	22.29		
40	QPSK	108	0	21.59	21.56	21.57	23.0	1.0
40	QPSK	108	54	22.44	22.51	22.43	24.0	0.0
40	QPSK	108	108	21.46	21.55	21.51	23.0	1.0
40	QPSK	216	0	21.52	21.66	21.55	23.0	1.0
40	16QAM	1	1	21.42	21.53	21.44	23.0	1.0
40	64QAM	1	1	20.15	20.12	20.12	21.5	2.5
40	256QAM	1	1	18.12	18.08	18.01	19.5	4.5
Channel				372000	374000	376000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1880	1892.5		
35	QPSK	1	1	22.48	22.49	22.41	24.0	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1880	1885		
30	QPSK	1	1	22.50	22.45	22.38	24.0	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1890	1897.5		
25	QPSK	1	1	22.43	22.42	22.37	24.0	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1880	1885	1900		
20	QPSK	1	1	22.48	22.42	22.40	24.0	0.0
Channel				371500	375000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1887.5	1880	1902.5		
15	QPSK	1	1	22.48	22.42	22.32	24.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1885	1880	1905		
10	QPSK	1	1	22.47	22.44	22.40	24.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1897.5		
5	QPSK	1	1	22.48	22.53	22.39	24.0	0.0

n5 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				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PV2 BPSK	1	1	22.89	23.00	22.91		
20	PV2 BPSK	1	87	22.93	22.96	22.92	24.0	0.0
20	PV2 BPSK	1	131	22.89	22.91	22.89		
20	PV2 BPSK	64	0	22.48	22.58	22.52	23.5	0.5
20	PV2 BPSK	64	35	23.07	23.08	23.07	24.0	0.0
20	PV2 BPSK	64	89	22.44	22.52	22.54	23.5	0.5
20	PV2 BPSK	128	0	22.45	22.55	22.47		
20	QPSK	1	1	23.06	23.11	23.04		
20	QPSK	1	87	22.92	22.96	22.98	24.0	0.0
20	QPSK	1	131	22.85	22.88	22.83		
20	QPSK	64	0	22.10	22.15	22.11	23.0	1.0
20	QPSK	64	35	22.87	22.97	22.86	24.0	0.0
20	QPSK	64	89	22.03	22.01	22.05	23.0	1.0
20	QPSK	128	0	22.04	22.06	22.04		
20	16QAM	1	1	21.97	22.06	21.97	23.0	1.0
20	64QAM	1	1	20.57	20.61	20.59	21.5	2.5
20	256QAM	1	1	18.61	18.67	18.57	19.5	4.5
Channel				165800	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.95	23.04	22.89	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				839	836.5	844		
10	QPSK	1	1	22.94	22.96	22.89	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				830.5	836.5	846.5		
5	QPSK	1	1	22.92	23.05	22.97	24.0	0.0

n12 Ant 1

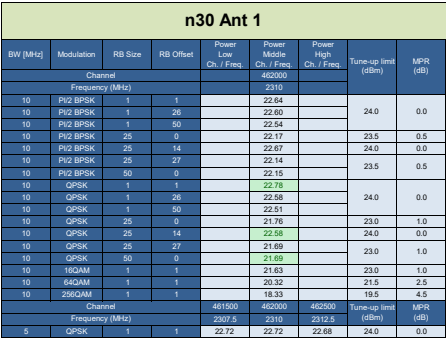
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PV2 BPSK	1	1	22.79	23.05	22.87		
15	PV2 BPSK	1	40	22.78	22.99	22.79	24.0	0.0
15	PV2 BPSK	1	77	22.76	22.92	22.78		
15	PV2 BPSK	36	0	22.45	22.56	22.44	23.5	0.5
15	PV2 BPSK	36	22	22.93	23.12	22.97	24.0	0.0
15	PV2 BPSK	36	43	22.41	22.57	22.37	23.5	0.5
15	PV2 BPSK	75	0	22.35	22.58	22.43		
15	QPSK	1	1	22.95	23.16	23.03		
15	QPSK	1	40	22.86	23.03	22.86	24.0	0.0
15	QPSK	1	77	22.84	22.99	22.74		
15	QPSK	36	0	22.06	22.17	21.96	23.0	1.0
15	QPSK	36	22	22.85	22.99	22.86	24.0	0.0
15	QPSK	36	43	21.96	22.08	21.98	23.0	1.0
15	QPSK	35	0	21.98	22.06	21.95		
15	16QAM	1	1	21.91	22.05	21.90	23.0	1.0
15	64QAM	1	1	20.56	20.67	20.57	21.5	2.5
15	256QAM	1	1	18.50	18.63	18.52	19.5	4.5
Channel				140300	141500	142500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.80	23.01	22.90	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				703.5	707.5	713.5		
5	QPSK	1	1	22.80	23.08	22.89	24.0	0.0



n14 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				156900				
Frequency (MHz)				763				
10	PI/2 BPSK	1	1	23.02			24.0	0.0
10	PI/2 BPSK	1	26	22.96				
10	PI/2 BPSK	1	50	22.92				
10	PI/2 BPSK	25	0	22.62			23.5	0.5
10	PI/2 BPSK	25	14	23.12			24.0	0.0
10	PI/2 BPSK	25	27	22.48			23.5	0.5
10	PI/2 BPSK	50	0	22.49				
10	QPSK	1	1	23.17			24.0	0.0
10	QPSK	1	26	23.02				
10	QPSK	1	50	22.91				
10	QPSK	25	0	22.19			23.0	1.0
10	QPSK	25	14	23.02			24.0	0.0
10	QPSK	25	27	22.12			23.0	1.0
10	QPSK	50	0	22.07				
10	16QAM	1	1	22.03			23.0	1.0
10	64QAM	1	1	20.69			21.5	2.5
10	256QAM	1	1	18.07			19.5	4.5
Channel				150/100	150/100			
Frequency (MHz)				790.5	793	796.5		
5	QPSK	1	1	23.09	23.07	23.00	24.0	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		376500	379000	
Frequency (MHz)				1670		1682.5	1695	
40	PI/2 BPSK	1	1	22.40	22.52	22.41	24.0	0.0
40	PI/2 BPSK	1	108	22.32	22.45	22.35		
40	PI/2 BPSK	1	214	22.38	22.42	22.32		
40	PI/2 BPSK	108	0	21.93	22.00	22.02	23.5	0.5
40	PI/2 BPSK	108	54	22.53	22.52	22.53	24.0	0.0
40	PI/2 BPSK	108	108	21.99	21.99	22.01	23.5	0.5
40	PI/2 BPSK	216	0	21.96	22.04	22.01		
40	QPSK	1	1	22.53	22.56	22.51	24.0	0.0
40	QPSK	1	108	22.42	22.48	22.44		
40	QPSK	1	214	22.26	22.36	22.32		
40	QPSK	108	0	21.49	21.59	21.56	23.0	1.0
40	QPSK	108	54	22.34	22.49	22.41	24.0	0.0
40	QPSK	108	108	21.46	21.57	21.54	23.0	1.0
40	QPSK	216	0	21.48	21.48	21.42	23.0	1.0
40	16QAM	1	1	21.46	21.55	21.51	23.0	1.0
40	64QAM	1	1	20.08	20.16	20.12	21.5	2.5
40	256QAM	1	1	18.01	18.11	18.09	19.5	4.5
Channel				372500	373500	374500		
Frequency (MHz)				1687.5	1689.5	1697.5		
35	QPSK	1	1	22.46	22.50	22.40	24.0	0.0
Channel				373500	376500	380000		
Frequency (MHz)				1695	1692.5	1690		
30	QPSK	1	1	22.46	22.50	22.40	24.0	0.0
Channel				372900	376500	380500		
Frequency (MHz)				1692.5	1692.5	1692.5		
25	QPSK	1	1	22.47	22.46	22.39	24.0	0.0
Channel				372000	376500	381000		
Frequency (MHz)				1690	1682.5	1695		
20	QPSK	1	1	22.40	22.47	22.42	24.0	0.0
Channel				371500	376500	381500		
Frequency (MHz)				1687.5	1682.5	1687.5		
15	QPSK	1	1	22.39	22.45	22.43	24.0	0.0
Channel				371000	376500	382000		
Frequency (MHz)				1685	1682.5	1680		
10	QPSK	1	1	22.43	22.45	22.39	24.0	0.0
Channel				370500	376500	382500		
Frequency (MHz)				1682.5	1682.5	1682.5		
5	QPSK	1	1	22.44	22.50	22.35	24.0	0.0

n26 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				164800		166300	167800	
Frequency (MHz)				824		831.5	839	
20	PI/2 BPSK	1	1	22.81	23.05	22.99	24.0	0.0
20	PI/2 BPSK	1	53	22.67	22.92	22.97		
20	PI/2 BPSK	1	104	22.73	22.87	22.90		
20	PI/2 BPSK	50	0	22.34	22.55	22.51	23.5	0.5
20	PI/2 BPSK	50	26	22.83	23.13	23.09	24.0	0.0
20	PI/2 BPSK	50	56	22.29	22.57	22.50	23.5	0.5
20	PI/2 BPSK	100	0	22.31	22.48	22.53		
20	QPSK	1	1	22.84	23.14	23.05	24.0	0.0
20	QPSK	1	53	22.74	22.99	22.96		
20	QPSK	1	104	22.68	22.85	22.94		
20	QPSK	50	0	21.88	22.08	22.11	23.0	1.0
20	QPSK	50	26	22.70	23.03	22.91	24.0	0.0
20	QPSK	50	56	21.80	22.12	22.06	23.0	1.0
20	QPSK	100	0	21.92	22.13	22.05		
20	16QAM	1	1	21.85	22.03	22.02	23.0	1.0
20	64QAM	1	1	20.42	20.75	20.72	21.5	2.5
20	256QAM	1	1	18.37	18.62	18.64	19.5	4.5
Channel				163300	163300	163300		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.72	23.01	22.92	24.0	0.0
Channel				163800	166300	168800		
Frequency (MHz)				816	831.5	844		
10	QPSK	1	1	22.69	22.99	22.89	24.0	0.0
Channel				163300	166300	169300		
Frequency (MHz)				811.5	811.5	811.5		
5	QPSK	1	1	22.76	23.01	22.97	24.0	0.0



n70 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)						
15	P12 BPSK	1	1	22.98	1762.5			
15	P12 BPSK	1	40	23.03			24.0	0.0
15	P12 BPSK	1	77	22.98				
15	P12 BPSK	36	0	22.87			23.5	0.5
15	P12 BPSK	36	22	23.13			24.0	0.0
15	P12 BPSK	36	43	22.98			23.5	0.5
15	P12 BPSK	75	0	22.99				
15	QPSK	1	1	23.23				
15	QPSK	1	40	23.10			24.0	0.0
15	QPSK	1	77	23.02				
15	QPSK	36	0	22.22			23.0	1.0
15	QPSK	36	22	23.05			24.0	0.0
15	QPSK	36	43	22.92			23.0	1.0
15	QPSK	75	0	22.81			23.0	1.0
15	16QAM	1	1	22.11			21.0	1.5
15	64QAM	1	1	20.11			21.5	2.5
15	256QAM	1	1	18.68			19.5	4.5
	Channel	Frequency (MHz)		345000	345000	341500	Turn-up limit (dBm)	MPR (db)
				1702	1702.5	1705		
10	QPSK	1	1	23.14	23.11	23.16	24.0	0.0
	Channel	Frequency (MHz)		336500	340500	341500	Turn-up limit (dBm)	MPR (db)
				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.11	23.11	23.12	24.0	0.0
				2.99				

n71 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)	MFR (dB)
Channel					680.5			
35	PQ2 BPSK	1	1		23.25			
35	PQ2 BPSK	1	92		23.18		24.0	0.0
35	PQ2 BPSK	1	184		23.14			
35	PQ2 BPSK	94	0		22.79		23.5	0.5
35	PQ2 BPSK	94	47		23.24		24.0	0.0
35	PQ2 BPSK	94	94		22.77		23.5	0.5
35	PQ2 BPSK	188	0		22.74			
35	QPSK	1	1		23.29			
35	QPSK	1	92		23.21		24.0	0.0
35	QPSK	1	184		23.11			
35	QPSK	94	0		22.28		23.0	1.0
35	QPSK	94	47		23.23		24.0	0.0
35	QPSK	94	94		22.28		23.0	1.0
35	QPSK	188	0		22.31			
35	16QAM	1	1		22.22		23.0	1.0
35	64QAM	1	1		20.91		21.5	2.5
35	256QAM	1	1		18.88		19.5	4.5
Channel				136500	136500	136500	Tune-up limit	MFR
Frequency (MHz)				678	680.5	683	(dBm)	(dB)
30	QPSK	1	1	23.09	23.14	23.17	24.0	0.0
Channel				135100	136100	137100	Tune-up limit	MFR
Frequency (MHz)				675.5	680.5	685.5	(dBm)	(dB)
25	QPSK	1	1	23.01	23.16	23.18	24.0	0.0
Channel				134000	136100	137600	Tune-up limit	MFR
Frequency (MHz)				672	680.5	688	(dBm)	(dB)
20	QPSK	1	1	23.01	23.14	23.19	24.0	0.0
Channel				134100	136100	138100	Tune-up limit	MFR
Frequency (MHz)				670.5	680.5	695.5	(dBm)	(dB)
15	QPSK	1	1	23.05	23.12	23.13	24.0	0.0
Channel				133500	136100	139100	Tune-up limit	MFR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.09	23.14	23.08	24.0	0.0
Channel				133100	136100	139100	Tune-up limit	MFR
Frequency (MHz)				665.5	680.5	685.5	(dBm)	(dB)
5	QPSK	1	1	23.02	23.13	23.14	24.0	0.0



n38 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				518004	518000	519998			
Frequency (MHz)				2580.02	2595	2599.98			
40	PV2 BPSK	1	1	22.93	23.03	22.80	24.0	0.0	
40	PV2 BPSK	1	53	22.83	22.92	22.79			
40	PV2 BPSK	1	104	22.87	22.98	22.81			
40	PV2 BPSK	50	0	22.45	22.55	22.45	23.5	0.5	
40	PV2 BPSK	50	28	22.98	23.05	22.89	24.0	0.0	
40	PV2 BPSK	50	58	22.43	22.58	22.32	23.5	0.5	
40	PV2 BPSK	100	0	22.40	22.52	22.35	24.0	0.0	
40	QPSK	1	1	23.02	23.08	22.92			
40	QPSK	1	53	22.92	23.04	22.80			
40	QPSK	1	104	22.88	22.88	22.81	23.0	1.0	
40	QPSK	50	0	22.07	22.16	22.01			
40	QPSK	50	28	22.87	23.04	22.81			
40	QPSK	50	58	21.87	22.08	21.91	23.0	1.0	
40	QPSK	100	0	21.86	22.07	21.91	23.0	1.0	
40	16QAM	1	1	21.93	22.03	21.90			
40	64QAM	1	1	20.56	20.66	20.48		2.5	
40	256QAM	1	1	18.55	18.72	18.52	19.5	4.5	
Channel				517002	518000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	22.91	22.92	22.85	24.0	0.0	
Channel				516504	518000	521498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	22.88	22.94	22.87	24.0	0.0	
Channel				516000	518000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	22.91	22.99	22.85	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	22.92	23.02	22.84	24.0	0.0	
Channel				515004	518000	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	22.93	22.94	22.78	24.0	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				509202	518598	520900			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	22.92	23.06	23.09	24.0	0.0	
100	PV2 BPSK	1	137	22.80	23.08	22.94			
100	PV2 BPSK	1	271	22.85	22.98	22.91			
100	PV2 BPSK	135	0	22.40	22.72	22.63	24.0	0.0	
100	PV2 BPSK	135	69	22.98	23.15	23.11	24.0	0.0	
100	PV2 BPSK	135	138	22.43	22.60	22.61	24.0	0.0	
100	PV2 BPSK	270	0	22.41	22.84	22.54	24.0	0.0	
100	QPSK	1	1	22.98	23.24	23.17			
100	QPSK	1	137	22.88	23.09	22.98			
100	QPSK	1	271	22.83	22.98	22.90	24.0	0.0	
100	QPSK	135	0	22.01	22.24	22.13			
100	QPSK	135	69	22.88	23.10	22.99			
100	QPSK	135	138	22.83	22.94	22.94	24.0	0.0	
100	QPSK	270	0	22.79	23.01	22.88	24.0	0.0	
100	16QAM	1	1	22.75	22.98	22.84			
100	64QAM	1	1	22.74	22.96	22.90			
100	256QAM	1	1	21.45	21.79	21.67	22.5	1.5	
Channel				508200	518598	520998			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	22.88	23.14	23.04	24.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2643.99			
80	QPSK	1	1	22.87	23.15	23.07	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.83	23.16	23.11	24.0	0.0	
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.99			
60	QPSK	1	1	22.89	23.17	23.01	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.90	23.10	23.11	24.0	0.0	
Channel				503200	518598	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2674.88			
45	QPSK	1	1	22.90	23.18	23.08	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	22.88	23.07	23.01	24.0	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.84	23.07	23.04	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.88			
30	QPSK	1	1	22.89	23.14	23.10	24.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.93	23.16	23.01	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.87	23.10	23.10	24.0	0.0	
Channel				500700	518598	536498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.91	23.10	23.00	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.83	23.13	23.02	24.0	0.0	

n41 PC2 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				509202	518598	520900			
Frequency (MHz)				2548.01	2592.99	2640			
100	PV2 BPSK	1	1	24.99	25.19	24.93	26.0	0.0	
100	PV2 BPSK	1	137	24.86	25.10	24.85			
100	PV2 BPSK	1	271	24.99	25.09	24.91			
100	PV2 BPSK	135	0	24.54	24.69	24.56	25.5	0.5	
100	PV2 BPSK	135	69	25.11	25.21	25.07	26.0	0.0	
100	PV2 BPSK	135	138	24.61	24.66	24.46	25.5	0.5	
100	PV2 BPSK	270	0	24.60	24.70	24.45	26.0	0.0	
100	QPSK	1	1	25.14	25.31	25.08			
100	QPSK	1	137	24.98	25.19	24.91			
100	QPSK	1	271	24.93	25.03	24.92	25.0	1.0	
100	QPSK	135	0	24.17	24.27	24.09			
100	QPSK	135	69	24.95	25.13	24.93			
100	QPSK	135	138	24.85	24.20	23.98	26.0	1.0	
100	QPSK	270	0	24.14	24.24	24.04	25.0	1.0	
100	16QAM	1	1	24.05	24.28	24.01			
100	64QAM	1	1	22.75	22.89	22.59	23.5	2.5	
100	256QAM	1	1	20.88	20.86	20.59	21.5	4.5	
Channel				508200	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	24.97	25.25	25.01	26.0	0.0	
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2534.02	2592.99	2644.98			
80	QPSK	1	1	24.97	25.23	24.92	26.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2530.11	2592.99	2655			
70	QPSK	1	1	24.07	25.22	25.00	25.0	0.0	
Channel				505200	518598	531098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	25.01	25.24	24.98	26.0	0.0	
Channel				504204	518598	532098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.02	2592.99	2664.99			
50	QPSK	1	1	25.01	25.22	24.94	26.0	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	24.07	25.16	24.99	26.0	0.0	
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	24.98	25.23	24.94	26.0	0.0	
Channel				501704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.53	2592.99	2672.45			
35	QPSK	1	1	25.00	25.18	24.96	26.0	0.0	
Channel				500200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.59	25.21	24.91	26.0	0.0	
Channel				511702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	25.01	25.21	25.03	26.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.01	2592.99	2679.99			
20	QPSK	1	1	24.97	25.15	25.00	26.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	25.08	25.24	24.92	26.0	0.0	
Channel				510202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	25.02	25.18	25.03	26.0	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				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl/2 BPSK	1	1	22.38	22.69	22.34			
50	Pl/2 BPSK	1	135	22.33	22.64	22.24	24.0	0.0	
50	Pl/2 BPSK	1	268	22.31	22.65	22.29			
50	Pl/2 BPSK	135	0	21.88	22.27	21.88		23.5	
50	Pl/2 BPSK	135	68	22.48	22.75	22.45	24.0	0.0	
50	Pl/2 BPSK	135	135	21.92	22.28	21.78	23.5	0.5	
50	Pl/2 BPSK	270	0	21.96	22.21	21.79	24.0	0.0	
50	QPSK	1	1	22.45	22.81	22.42			
50	QPSK	1	135	22.35	22.73	22.32			
50	QPSK	1	268	22.34	22.57	22.28	23.0	1.0	
50	QPSK	135	0	21.47	21.87	21.43			
50	QPSK	135	68	22.33	22.65	22.25		24.0	
50	QPSK	135	135	21.38	21.81	21.33	23.0	1.0	
50	QPSK	270	0	21.52	21.74	21.38	23.0	1.0	
50	16QAM	1	1	21.47	21.80	21.37			
50	64QAM	1	1	20.05	20.42	19.95		21.5	
50	256QAM	1	1	18.01	18.30	17.92	19.5	4.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550	24.0	0.0	
40	QPSK	1	1	22.32	22.71	22.32	24.0	MPR	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5	24.0	0.0	
35	QPSK	1	1	22.30	22.65	22.31	24.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555	24.0	0.0	
30	QPSK	1	1	22.32	22.68	22.30	24.0	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5	24.0	0.0	
25	QPSK	1	1	22.35	22.75	22.36	24.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560	24.0	0.0	
20	Pl/2 BPSK	1	1	22.35	22.68	22.32	24.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5	24.0	0.0	
15	QPSK	1	1	22.38	22.76	22.32	24.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565	24.0	0.0	
10	QPSK	1	1	22.32	22.71	22.30	24.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5	24.0	0.0	
5	QPSK	1	1	22.38	22.68	22.32	24.0	0.0	

n30 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				460500	462500	464500	24.0	0.0	
Frequency (MHz)				2310	2310	2310			
10	Pl/2 BPSK	1	1	23.27	23.27	23.27			
10	Pl/2 BPSK	1	26	23.24	23.24	23.24	23.5	0.5	
10	Pl/2 BPSK	1	50	23.16	23.16	23.16			
10	Pl/2 BPSK	25	0	22.87	22.87	22.87			
10	Pl/2 BPSK	25	14	23.31	23.31	23.31	24.0	0.0	
10	Pl/2 BPSK	25	27	22.75	22.75	22.75			
10	Pl/2 BPSK	50	0	22.82	22.82	22.82			
10	QPSK	1	1	23.41	23.41	23.41	23.0	1.0	
10	QPSK	1	26	23.24	23.24	23.24			
10	QPSK	1	50	23.15	23.15	23.15			
10	QPSK	25	0	22.39	22.39	22.39	23.0	1.0	
10	QPSK	25	14	23.24	23.24	23.24			
10	QPSK	25	27	22.32	22.32	22.32			
10	QPSK	50	0	22.34	22.34	22.34	23.0	1.0	
10	16QAM	1	1	22.36	22.36	22.36			
10	64QAM	1	1	20.90	20.90	20.90		21.5	
10	256QAM	1	1	18.95	18.95	18.95	19.5	4.5	
Channel				461500	462500	463500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.28	23.31	23.33	24.0	0.0	

n38 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				518004	519000	519996	24.0	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PV2 BPSK	1	1	22.86	23.03	22.83		
40	PV2 BPSK	1	53	22.80	22.94	22.76		
40	PV2 BPSK	1	104	22.87	22.94	22.75	23.5	0.5
40	PV2 BPSK	50	0	22.42	22.51	22.32		
40	PV2 BPSK	50	28	22.50	23.06	22.87		
40	PV2 BPSK	50	56	22.43	22.54	22.35		
40	PV2 BPSK	100	0	22.36	22.55	22.33	24.0	0.0
40	QPSK	1	1	23.04	23.15	22.88		
40	QPSK	1	53	22.86	23.05	22.82		
40	QPSK	1	104	22.82	22.91	22.72		
40	QPSK	50	0	21.95	22.11	21.96	23.0	1.0
40	QPSK	50	28	22.90	22.98	22.77	24.0	0.0
40	QPSK	100	0	21.96	22.03	21.87	23.0	1.0
40	QPSK	100	0	21.94	22.00	21.83	23.0	1.0
40	16QAM	1	1	21.88	22.04	21.78	23.0	1.0
40	64QAM	1	1	20.59	20.74	20.46	21.5	2.5
40	256QAM	1	1	18.51	18.62	18.43	19.0	4.5
Channel				511002	511000	509998	24.0	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.98	23.09	22.82		
Channel				516504	516000	521496	24.0	0.0
Frequency (MHz)				2682.55	2595	2607.45		
25	QPSK	1	1	22.88	23.06	22.74		
Channel				516000	516000	522000	24.0	0.0
Frequency (MHz)				2590	2595	2610		
20	QPSK	1	1	22.89	23.00	22.79		
Channel				515502	515000	522498	24.0	0.0
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.94	23.00	22.79		
Channel				515504	515000	522504	24.0	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.97	23.06	22.77		

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				506002	518598	526000	24.0	0.0
Frequency (MHz)				2544.01	2592.99	2640		
100	PV2 BPSK	1	1	23.14	23.20	22.80		
100	PV2 BPSK	1	137	23.05	23.08	22.85		
100	PV2 BPSK	1	271	23.05	23.09	22.83	24.0	0.0
100	PV2 BPSK	135	0	22.70	22.78	22.50		
100	PV2 BPSK	135	69	23.32	23.30	22.94		
100	PV2 BPSK	135	138	22.59	22.69	22.39		
100	PV2 BPSK	270	0	22.70	22.73	22.41	24.0	0.0
100	QPSK	1	1	23.21	23.33	23.05		
100	QPSK	1	137	23.13	23.32	22.94		
100	QPSK	1	271	23.01	23.08	22.85		
100	QPSK	135	0	23.10	23.18	23.01	24.0	0.0
100	QPSK	135	69	23.14	23.20	22.86	24.0	0.0
100	QPSK	135	138	23.07	23.17	22.85	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90	24.0	0.0
100	16QAM	1	1	23.03	23.08	22.86	24.0	0.0
100	64QAM	1	1	23.02	23.04	22.97	24.0	0.0
100	256QAM	1	1	21.72	21.87	21.57	22.5	1.5
Channel				511000	518598	525998	24.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.11	23.16	22.89	24.0	0.0
Channel				507204	518598	525998	24.0	0.0
Frequency (MHz)				2638.49	2592.99	2644.99		
80	QPSK	1	1	23.10	23.22	22.92	24.0	0.0
Channel				506002	518598	531000	24.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.04	23.17	22.87	24.0	0.0
Channel				505000	518598	531998	24.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.14	23.19	22.91	24.0	0.0
Channel				505204	518598	532598	24.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.08	23.23	22.97	24.0	0.0
Channel				503700	518598	533496	24.0	0.0
Frequency (MHz)				2518.4	2592.99	2669.14		
45	QPSK	1	1	23.05	23.23	22.93	24.0	0.0
Channel				503002	518598	534000	24.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.07	23.22	22.91	24.0	0.0
Channel				502504	518598	534598	24.0	0.0
Frequency (MHz)				2513.82	2592.99	2672.49		
35	QPSK	1	1	23.13	23.25	22.97	24.0	0.0
Channel				502200	518598	534998	24.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.14	23.17	22.95	24.0	0.0
Channel				501702	518598	535500	24.0	0.0
Frequency (MHz)				2508.01	2592.99	2677.5		
25	QPSK	1	1	23.11	23.23	22.92	24.0	0.0
Channel				501204	518598	535998	24.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.13	23.24	22.88	24.0	0.0
Channel				501000	518598	535998	24.0	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.07	23.21	22.93	24.0	0.0
Channel				500202	518598	537000	24.0	0.0
Frequency (MHz)				2497.01	2592.99	2684		
10	QPSK	1	1	23.08	23.19	22.96	24.0	0.0

n41 PC2 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				506002	518598	526000	27.0	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PV2 BPSK	1	1	26.04	26.18	25.72		
100	PV2 BPSK	1	137	25.92	26.08	25.65		
100	PV2 BPSK	1	271	25.90	26.07	25.63	28.5	0.5
100	PV2 BPSK	135	0	25.49	25.67	25.34		
100	PV2 BPSK	135	69	26.01	26.20	25.82		
100	PV2 BPSK	135	138	25.58	25.81	25.32		
100	PV2 BPSK	270	0	25.58	25.62	25.32	27.0	0.0
100	QPSK	1	1	26.08	26.22	25.89		
100	QPSK	1	137	25.98	26.10	25.78		
100	QPSK	1	271	25.87	26.03	25.63		
100	QPSK	135	0	25.18	25.28	24.93	26.0	1.0
100	QPSK	135	69	25.94	26.10	25.70	27.0	0.0
100	QPSK	135	138	25.02	25.19	24.87	26.0	1.0
100	QPSK	270	0	25.02	25.15	24.83	26.0	1.0
100	16QAM	1	1	25.01	25.21	24.80	26.0	1.0
100	64QAM	1	1	23.64	23.81	23.43	24.5	2.5
100	256QAM	1	1	21.67	21.73	21.33	22.5	4.5
Channel				511000	518598	525998	27.0	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.93	26.14	25.81	27.0	0.0
Channel				507204	518598	525998	27.0	0.0
Frequency (MHz)				2638.49	2592.99	2644.99		
80	QPSK	1	1	26.02	26.10	25.74	27.0	0.0
Channel				506002	518598	531000	27.0	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.94	26.13	25.60	27.0	0.0
Channel				505000	518598	531998	27.0	0.0
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.02	26.17	25.80	27.0	0.0
Channel				505204	518598	532598	27.0	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.95	26.09	25.81	27.0	0.0
Channel				503700	518598	533496	27.0	0.0
Frequency (MHz)				2518.49	2592.99	2669.99		
45	QPSK	1	1	26.00	26.15	25.78	27.0	0.0
Channel				503000	518598	534000	27.0	0.0
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.00	26.15	25.79	27.0	0.0
Channel				502500	518598	534500	27.0	0.0
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	26.03	26.13	25.83	27.0	0.0
Channel				502000	518598	535000	27.0	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.98	26.12	25.79	27.0	0.0
Channel				501702	518598	535500	27.0	0.0
Frequency (MHz)				2510.51	2592.99	2677.2		
25	QPSK	1	1	26.00	26.15	25.74	27.0	0.0
Channel				501204	518598	535998	27.0	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.01	26.11	25.79	27.0	0.0
Channel				501000	518598	536498	27.0	0.0
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.93	26.15	25.76	27.0	0.0
Channel				500200	518598	537000	27.0	0.0
Frequency (MHz)				2499.58	2592.99	2684.98		
10	QPSK	1	1	26.02	26.11	25.74	27.0	0.0

n48 Part96 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				3570	3624.99	3679.98			
Frequency (MHz)									
40	PI2 BPSK	1	1	23.28	23.42	23.19			
40	PI2 BPSK	1	108	23.29	23.29	23.16	24.0	0.0	
40	PI2 BPSK	1	214	23.23	23.27	23.16			
40	PI2 BPSK	108	0	22.86	22.96	22.75	23.5	0.5	
40	PI2 BPSK	108	54	23.41	23.41	23.26	24.0	0.0	
40	PI2 BPSK	108	108	22.85	22.87	22.77			
40	PI2 BPSK	216	0	22.83	22.88	22.74	23.5	0.5	
40	QPSK	1	1	23.40	23.47	23.36			
40	QPSK	1	108	23.27	23.33	23.16	24.0	0.0	
40	QPSK	1	214	23.26	23.33	23.09			
40	QPSK	108	0	22.39	22.43	22.30	23.0	1.0	
40	QPSK	108	54	23.28	23.29	23.16	24.0	0.0	
40	QPSK	108	108	22.40	22.42	22.34	23.0	1.0	
40	QPSK	216	0	22.34	22.40	22.36			
40	16QAM	1	1	22.35	22.40	22.32	23.0	1.0	
40	64QAM	1	1	20.99	21.00	20.89	21.5	2.5	
40	256QAM	1	1	18.89	18.99	18.87	19.5	4.5	
Channel				3679.98	3684.99	3689.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3685.02	3684.99	3684.99			
30	QPSK	1	1	23.30	23.36	23.26	24.0	0.0	
Channel				6373.94	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3689.91	3624.99	366000			
20	QPSK	1	1	23.32	23.36	23.19	24.0	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3657.52	3624.99	366240			
15	QPSK	1	1	23.25	23.39	23.22	24.0	0.0	
Channel				3655	3624.99	3664.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				23.26	23.31	23.30			
10	QPSK	1	1	23.26	23.31	23.30	24.0	0.0	

Part270 n77 Ant 2 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3840	3930			
Frequency (MHz)				23.13	23.27	23.00			
100	PI2 BPSK	1	1	23.13	23.27	23.00			
100	PI2 BPSK	1	137	22.99	23.22	22.93	24.0	0.0	
100	PI2 BPSK	1	271	23.01	23.10	22.90			
100	PI2 BPSK	135	0	22.60	22.79	22.53	24.0	0.0	
100	PI2 BPSK	135	69	23.19	23.27	23.02	24.0	0.0	
100	PI2 BPSK	135	135	22.62	22.71	22.47			
100	PI2 BPSK	270	0	22.64	22.79	22.44	24.0	0.0	
100	QPSK	1	1	23.16	23.36	23.03			
100	QPSK	1	137	23.16	23.16	23.07	24.0	0.0	
100	QPSK	1	271	23.14	23.13	22.93			
100	QPSK	135	0	23.18	23.24	23.13	24.0	0.0	
100	QPSK	135	69	23.23	23.25	22.94	24.0	0.0	
100	QPSK	135	135	23.09	23.24	23.06	24.0	0.0	
100	QPSK	270	0	23.14	23.23	22.98			
100	16QAM	1	1	23.08	23.16	22.92	24.0	0.0	
100	64QAM	1	1	23.08	23.10	23.04	24.0	0.0	
100	256QAM	1	1	21.80	21.98	21.96	22.5	1.5	
Channel				3745.02	3840	3905.01	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				22.99	23.19	22.93	24.0	0.0	
90	QPSK	1	1	22.99	23.19	22.93	24.0	0.0	
Channel				646334	656000	662098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.01	3840	3940.00	24.0	0.0	
80	QPSK	1	1	23.01	23.30	22.97	24.0	0.0	
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945	24.0	0.0	
70	QPSK	1	1	23.01	23.25	22.89	24.0	0.0	
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01	24.0	0.0	
60	QPSK	1	1	23.05	23.27	22.88	24.0	0.0	
Channel				648334	656000	663556	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02	24.0	0.0	
50	QPSK	1	1	23.07	23.30	22.97	24.0	0.0	
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3723	3840	3960	24.0	0.0	
40	QPSK	1	1	23.02	23.29	22.93	24.0	0.0	
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3965.01	24.0	0.0	
30	QPSK	1	1	23.00	23.30	22.89	24.0	0.0	
Channel				647334	656000	664556	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5	24.0	0.0	
25	QPSK	1	1	23.03	23.31	22.94	24.0	0.0	
Channel				647000	656000	664666	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02	24.0	0.0	
20	QPSK	1	1	23.09	23.27	22.95	24.0	0.0	
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51	24.0	0.0	
15	QPSK	1	1	23.02	23.25	22.94	24.0	0.0	
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975	24.0	0.0	
10	QPSK	1	1	23.05	23.29	22.86	24.0	0.0	

Part270 n77 PC2 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				3705	3840	3930			
Frequency (MHz)									
100	PI2 BPSK	1	1	25.74	26.20	25.87		27.0	0.0
100	PI2 BPSK	1	137	25.74	26.21	25.78			
100	PI2 BPSK	1	271	25.70	26.22	25.75			
100	PI2 BPSK	135	0	25.39	25.82	25.36	26.5		0.5
100	PI2 BPSK	135	69	25.92	26.30	25.94	27.0		0.0
100	PI2 BPSK	135	135	25.28	25.77	25.43	26.5		0.5
100	PI2 BPSK	270	0	25.31	25.72	25.36	26.5		0.5
100	QPSK	1	1	25.88	26.37	26.00			
100	QPSK	1	137	25.70	26.21	25.95	27.0		0.0
100	QPSK	1	271	25.66	26.11	25.71			
100	QPSK	135	0	24.87	25.42	25.01	26.0		1.0
100	QPSK	135	69	25.76	26.24	25.91	27.0		0.0
100	QPSK	135	135	24.80	25.35	24.88	26.0		1.0
100	QPSK	270	0	24.85	25.35	24.86			
100	16QAM	1	1	24.85	25.25	24.91	26.0		1.0
100	64QAM	1	1	23.43	23.97	23.52	24.5		2.5
100	256QAM	1	1	21.47	21.90	21.45	22.5		4.5
Channel				656988	666000	662334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3905.01			
90	QPSK	1	1	25.75	26.21	25.91	27.0		0.0
Channel				649334	656000	662098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.00			
80	QPSK	1	1	25.80	26.22	25.88	27.0		0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	25.84	26.24	25.84	27.0		0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	25.82	26.26	25.90	27.0		0.0
Channel				648334	656000	663098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3945.02			
50	QPSK	1	1	25.80	26.25	25.95	27.0		0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3940			
40	QPSK	1	1	25.81	26.29	25.94	27.0		0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3905.01			
30	QPSK	1	1	25.82	26.29	25.88	27.0		0.0
Channel				647334	656000	664500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3907.01			
25	QPSK	1	1	25.72	26.30	25.86	27.0		0.0
Channel				647000	656000	664668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705.01	3840	3907.02			
20	QPSK	1	1	25.74	26.30	25.82	27.0		0.0
Channel				646668	656000	664834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3700.02	3840	3907.01			
15	QPSK	1	1	25.79	26.30	25.94	27.0		0.0
Channel				646334	656000	665000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3907			
10	QPSK	1	1	25.77	26.24	25.92	27.0		0.0

Part27Q n77 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)								
100	PI2 BPSK	1	1	23.38	3500.01		24.0	0.0
100	PI2 BPSK	1	137	23.33	633334			
100	PI2 BPSK	1	271	23.37				
100	PI2 BPSK	135	0	22.90				
100	PI2 BPSK	135	69	23.46			24.0	0.0
100	PI2 BPSK	135	138	22.93			24.0	0.0
100	PI2 BPSK	270	0	22.87			24.0	0.0
100	QPSK	1	1	23.51			24.0	0.0
100	QPSK	1	137	23.28				
100	QPSK	1	271	23.33				
100	QPSK	135	0	23.45				
100	QPSK	135	69	23.39			24.0	0.0
100	QPSK	135	138	23.43			24.0	0.0
100	QPSK	270	0	23.35			24.0	0.0
100	16QAM	1	1	23.25			24.0	0.0
100	64QAM	1	1	23.26			24.0	0.0
100	256QAM	1	1	22.14			22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.44	633334	633068	Tune-up limit	MPR
				3745.02	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	23.44	23.45	23.36	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.34	23.37	23.40	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.35	633334	634334	Tune-up limit	MPR
				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	23.35	23.44	23.45	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.45	633334	634668	Tune-up limit	MPR
				3480	3500.01	3500.02	(dBm)	(dB)
60	QPSK	1	1	23.45	23.41	23.43	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.38	633334	635003	Tune-up limit	MPR
				3475.02	3500.01	3505	(dBm)	(dB)
50	QPSK	1	1	23.38	23.39	23.39	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.43	633334	635334	Tune-up limit	MPR
				3475.01	3500.01	3535.01	(dBm)	(dB)
40	QPSK	1	1	23.43	23.41	23.34	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.39	633334	635668	Tune-up limit	MPR
				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	23.39	23.37	23.41	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.42	633334	635934	Tune-up limit	MPR
				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	23.42	23.36	23.45	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.41	633334	636300	Tune-up limit	MPR
				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	23.41	23.40	23.44	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.41	633334	636168	Tune-up limit	MPR
				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	23.41	23.41	23.37	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.41	633334	636334	Tune-up limit	MPR
				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	23.41	23.38	23.43	24.0	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	26.38	633334		27.0	0.0
100	PI2 BPSK	1	137	26.31				
100	PI2 BPSK	1	271	26.26				
100	PI2 BPSK	135	0	25.89				
100	PI2 BPSK	135	69	26.40			27.0	0.0
100	PI2 BPSK	135	138	25.96			26.5	0.5
100	PI2 BPSK	270	0	25.90			26.5	0.5
100	QPSK	1	1	26.49			27.0	0.0
100	QPSK	1	137	26.34				
100	QPSK	1	271	26.32				
100	QPSK	135	0	26.50				
100	QPSK	135	69	26.32			26.0	0.0
100	QPSK	135	138	25.41			26.0	1.0
100	QPSK	270	0	25.42			26.0	1.0
100	16QAM	1	1	25.44			26.0	1.0
100	64QAM	1	1	24.12			24.5	2.5
100	256QAM	1	1	22.00			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	26.38	633334	633968	Tune-up limit	MPR
				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	26.38	26.34	26.43	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.41	633334	634000	Tune-up limit	MPR
				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	26.41	26.42	26.42	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.53	633334	634334	Tune-up limit	MPR
				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	26.53	26.57	26.43	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.36	633334	634668	Tune-up limit	MPR
				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	26.36	26.41	26.34	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.41	633334	635003	Tune-up limit	MPR
				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	26.41	26.35	26.39	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.41	633334	635334	Tune-up limit	MPR
				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	26.41	26.32	26.42	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.43	633334	635668	Tune-up limit	MPR
				3460.02	3500.01	3540	(dBm)	(dB)
30	QPSK	1	1	26.43	26.44	26.37	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.36	633334	635934	Tune-up limit	MPR
				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	26.36	26.33	26.43	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.43	633334	636300	Tune-up limit	MPR
				3457.5	3500.01	3542.52	(dBm)	(dB)
20	QPSK	1	1	26.44	26.37	26.33	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.44	633334	636168	Tune-up limit	MPR
				3455.01	3500.01	3545.01	(dBm)	(dB)
15	QPSK	1	1	26.39	26.38	26.35	27.0	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	23.13	660000	660000	24.0	0.0
100	PI2 BPSK	1	137	23.07	3750	3750		
100	PI2 BPSK	1	271	23.12				
100	PI2 BPSK	135	0	22.68				
100	PI2 BPSK	135	69	23.21			24.0	0.0
100	PI2 BPSK	135	138	22.64			24.0	0.0
100	PI2 BPSK	270	0	22.69			24.0	0.0
100	QPSK	1	1	23.31			24.0	0.0
100	QPSK	1	137	23.19				
100	QPSK	1	271	23.11			24.0	0.0
100	QPSK	135	0	23.21			24.0	0.0
100	QPSK	135	69	23.25			24.0	0.0
100	QPSK	135	138	23.19			24.0	0.0
100	QPSK	270	0	23.31			24.0	0.0
100	16QAM	1	1	23.05			24.0	0.0
100	64QAM	1	1	23.05			24.0	0.0
100	256QAM	1	1	21.85			22.5	1.5
Channel								
80	QPSK	1	1	66968	660000	660334	24.0	MPR (dB)
Frequency (MHz)								
30	QPSK	1	1	3745.62	3750	3755.01	23.0	0.0
Channel								
80	QPSK	1	1	23.16	66200	66068	24.0	MPR (dB)
Frequency (MHz)								
70	QPSK	1	1	665334	660000	660668	24.0	MPR (dB)
Frequency (MHz)								
80	QPSK	1	1	3750.01	3750	3750.02	23.0	0.0
Channel								
70	QPSK	1	1	23.21	23.26	3160.12	24.0	0.0
Frequency (MHz)								
60	QPSK	1	1	66900	660000	660000	24.0	MPR (dB)
Frequency (MHz)								
50	QPSK	1	1	3735	3750	3765	24.0	0.0
Channel								
40	QPSK	1	1	23.20	23.26	23.19	24.0	0.0
Frequency (MHz)								
30	QPSK	1	1	665334	660000	661668	24.0	MPR (dB)
Frequency (MHz)								
20	QPSK	1	1	3715.61	3750	3765.62	24.0	0.0
Channel								
50	QPSK	1	1	23.19	23.25	23.20	24.0	0.0
Frequency (MHz)								
40	QPSK	1	1	3720	3750	3780	24.0	MPR (dB)
Channel								
30	QPSK	1	1	23.20	23.17	23.20	24.0	0.0
Frequency (MHz)								
25	QPSK	1	1	667668	660000	662334	24.0	MPR (dB)
Channel								
25	QPSK	1	1	3715.62	3750	3785.01	24.0	0.0
Frequency (MHz)								
20	QPSK	1	1	23.25	23.17	23.20	24.0	0.0
Channel								
15	QPSK	1	1	667668	660000	662668	24.0	MPR (dB)
Frequency (MHz)								
10	QPSK	1	1	3715.62	3750	3795.01	24.0	0.0
Channel								
15	QPSK	1	1	23.14	23.26	23.23	24.0	0.0
Frequency (MHz)								
10	QPSK	1	1	23.16	23.22	23.22	24.0	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	PQ2 BPSK	1	1	3750	3750	3750	27.0	0.0			
100	PQ2 BPSK	1	137		26.07						
100	PQ2 BPSK	1	271		26.01						
100	PQ2 BPSK	135	0		25.62		26.5	0.5			
100	PQ2 BPSK	135	69		26.14		27.0	0.0			
100	PQ2 BPSK	135	138		25.63		26.5	0.5			
100	PQ2 BPSK	270	0		25.65		27.0	0.0			
100	QPSK	1	1		26.20						
100	QPSK	1	137		26.14						
100	QPSK	1	271		26.04		27.0	1.0			
100	QPSK	135	0		25.20						
100	QPSK	135	69		26.13		27.0	0.0			
100	QPSK	135	138		25.18		26.0	1.0			
100	QPSK	270	0		25.15		26.0	1.0			
100	16QAM	1	1		25.11						
100	64QAM	1	1		23.84		24.5	2.5			
100	256QAM	1	1		21.72		22.5	4.5			
Channel											
Frequency (MHz)				649600	650000	650334	Tune-up limit (dBm)				
90	QPSK	1	1	3745.02	3750	3755.01	MPR	(dB)			
Channel											
Frequency (MHz)				646334	650000	650668	Tune-up limit (dBm)				
80	QPSK	1	1	3742.01	3750	3760.02	MPR	(dB)			
Channel											
Frequency (MHz)				646000	650000	651000	Tune-up limit (dBm)				
70	QPSK	1	1	3740.02	3750	3760.01	MPR	(dB)			
Channel											
Frequency (MHz)				645668	650000	651334	Tune-up limit (dBm)				
60	QPSK	1	1	3740.02	3750	3770.01	MPR	(dB)			
Channel											
Frequency (MHz)				645334	650000	651000	Tune-up limit (dBm)				
50	QPSK	1	1	3745.02	3750	3775.02	MPR	(dB)			
Channel											
Frequency (MHz)				645000	650000	652000	Tune-up limit (dBm)				
40	QPSK	1	1	3745.02	3750	3775.02	MPR	(dB)			
Channel											
Frequency (MHz)				644668	650000	652334	Tune-up limit (dBm)				
30	QPSK	1	1	3745.02	3750	3785.01	MPR	(dB)			
Channel											
Frequency (MHz)				644334	650000	652668	Tune-up limit (dBm)				
25	QPSK	1	1	3745.02	3750	3785.01	MPR	(dB)			
Channel											
Frequency (MHz)				644000	650000	653000	Tune-up limit (dBm)				
20	QPSK	1	1	3745.02	3750	3790.02	MPR	(dB)			
Channel											
Frequency (MHz)				643668	650000	653334	Tune-up limit (dBm)				
15	QPSK	1	1	3745.02	3750	3795.01	MPR	(dB)			
Channel											
Frequency (MHz)				643334	650000	653668	Tune-up limit (dBm)				
10	QPSK	1	1	3745.02	3750	3795.01	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											
Frequency (MHz)											
100	PQ2 BPSK	1	1		3000.01		24.0	0.0			
100	PQ2 BPSK	1	137		23.24						
100	PQ2 BPSK	1	271		23.17						
100	PQ2 BPSK	135	0		22.74		24.0	0.0			
100	PQ2 BPSK	135	69		23.32		24.0	0.0			
100	PQ2 BPSK	135	138		22.75		24.0	0.0			
100	PQ2 BPSK	270	0		22.75		24.0	0.0			
100	QPSK	1	1		23.38						
100	QPSK	1	137		23.22						
100	QPSK	1	271		23.20		24.0	0.0			
100	QPSK	135	0		23.35						
100	QPSK	135	69		23.32		24.0	0.0			
100	QPSK	135	138		23.22		24.0	0.0			
100	QPSK	270	0		23.27		24.0	0.0			
100	16QAM	1	1		23.14						
100	64QAM	1	1		23.11		24.0	0.0			
100	256QAM	1	1		21.62		22.5	4.5			
Channel											
Frequency (MHz)				633000	633334	633668	Tune-up limit (dbm)				
90	QPSK	1	1	3327	3322	3326	24.0	0.0			
Channel											
Frequency (MHz)				632668	633334	634000	Tune-up limit (dbm)				
80	QPSK	1	1	3329	3322	3331	24.0	0.0			
Channel											
Frequency (MHz)				632334	633334	634334	Tune-up limit (dbm)				
70	QPSK	1	1	3323	3323	3323	24.0	0.0			
Channel											
Frequency (MHz)				632000	633334	634668	Tune-up limit (dbm)				
60	QPSK	1	1	3328	3323	3322	24.0	0.0			
Channel											
Frequency (MHz)				631668	633334	635000	Tune-up limit (dbm)				
50	QPSK	1	1	3332	3329	3327	24.0	0.0			
Channel											
Frequency (MHz)				631334	633334	635334	Tune-up limit (dbm)				
40	QPSK	1	1	3330	3331	3322	24.0	0.0			
Channel											
Frequency (MHz)				631000	633334	635668	Tune-up limit (dbm)				
30	QPSK	1	1	3345	3300.01	3335.02	24.0	0.0			
Channel											
Frequency (MHz)				630668	633334	636000	Tune-up limit (dbm)				
25	QPSK	1	1	3329	3333	3322	24.0	0.0			
Channel											
Frequency (MHz)				630334	633334	636334	Tune-up limit (dbm)				
20	QPSK	1	1	3333	3333	3322	24.0	0.0			
Channel											
Frequency (MHz)				630000	633334	636668	Tune-up limit (dbm)				
15	QPSK	1	1	3329	3330	3327	24.0	0.0			
Channel											
Frequency (MHz)				630334	633334	636334	Tune-up limit (dbm)				
10	QPSK	1	1	3332	3332	3326	24.0	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	PQ2 BPSK	1	1		3600.01		27.0	0.0	
100	PQ2 BPSK	1	137		26.25				
100	PQ2 BPSK	1	271		26.27				
100	PQ2 BPSK	135	0		25.89		26.5	0.5	
100	PQ2 BPSK	135	69		26.32		27.0	0.0	
100	PQ2 BPSK	135	138		25.80		26.5	0.5	
100	PQ2 BPSK	270	0		25.78		27.0	0.0	
100	QPSK	1	1		26.45				
100	QPSK	1	137		26.25				
100	QPSK	1	271		26.21		26.0	1.0	
100	QPSK	135	0		25.35				
100	QPSK	135	69		26.27		27.0	0.0	
100	QPSK	135	138		25.40		26.0	1.0	
100	QPSK	270	0		25.40		26.0	1.0	
100	16QAM	1	1		25.32				
100	64QAM	1	1		24.01		24.5	2.5	
100	256QAM	1	1		21.95		22.5	4.5	
Channel				63000	635334	63698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				24.9	25.01	25.02			
50	QPSK	1	1	26.34	26.38	26.39	27.0	0.0	
Channel				63698	635334	634009	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	26.40	26.38	26.33	27.0	0.0	
Channel				635334	635334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3600.01	3515.01			
70	QPSK	1	1	26.30	26.32	26.31	27.0	0.0	
Channel				63000	635334	63698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3600.01	3500.02			
60	QPSK	1	1	26.38	26.32	26.32	27.0	0.0	
Channel				631668	635334	636500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	26.31	26.34	26.29	27.0	0.0	
Channel				631324	635334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3600.01	3530.01			
40	QPSK	1	1	26.32	26.38	26.40	27.0	0.0	
Channel				631700	635334	63698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3600.01	3535.02			
30	QPSK	1	1	26.36	26.30	26.38	27.0	0.0	
Channel				630834	635334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.8	3600.01	3637.81			
25	QPSK	1	1	26.37	26.32	26.35	27.0	0.0	
Channel				63698	635334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3540			
20	QPSK	1	1	26.31	26.32	26.32	27.0	0.0	
Channel				630500	635334	636188	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3600.01	3642.52			
15	QPSK	1	1	26.30	26.31	26.33	27.0	0.0	
Channel				63025	635334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	26.36	26.32	26.35	27.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				63600	64166	64532			
40	PI2 BPSK	1	1	23.16	23.41	23.07	24.0	0.0	
40	PI2 BPSK	1	108	23.09	23.34	23.08			
40	PI2 BPSK	1	214	23.00	23.31	23.04			
40	PI2 BPSK	108	0	22.71	22.92	22.60			23.5
40	PI2 BPSK	108	54	23.17	23.42	23.15			24.0
40	PI2 BPSK	108	108	22.62	22.86	22.59	23.5	0.5	
40	PI2 BPSK	216	0	22.68	22.88	22.59	24.0	0.0	
40	QPSK	1	1	23.27	23.51	23.21			
40	QPSK	1	108	23.06	23.34	23.10			
40	QPSK	1	214	23.08	23.26	23.04			
40	QPSK	108	0	22.26	22.42	22.25			23.0
40	QPSK	108	54	23.11	23.36	23.02	24.0	0.0	
40	QPSK	108	108	22.16	22.44	22.16	23.0	1.0	
40	QPSK	216	0	22.23	22.39	22.22	23.0	1.0	
40	16QAM	1	1	22.15	22.36	22.11			
40	16QAM	1	1	20.85	21.03	20.82			21.5
40	256QAM	1	1	18.73	18.84	18.74	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.21	23.39	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.17	23.43	23.06	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.12	23.37	23.16	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.18	23.39	23.13	24.0	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	22.63	22.88	22.70	24.0	0.0
100	PI2 BPSK	1	137	22.66	22.80	22.59		
100	PI2 BPSK	1	271	22.56	22.79	22.58		
100	PI2 BPSK	135	0	22.28	22.44	22.22		
100	PI2 BPSK	135	69	22.75	22.96	22.65		
100	PI2 BPSK	135	138	22.17	22.43	22.14	24.0	0.0
100	PI2 BPSK	270	0	22.21	22.39	22.14	24.0	0.0
100	QPSK	1	1	22.74	23.04	22.76		
100	QPSK	1	137	22.82	22.84	22.67		
100	QPSK	1	271	22.77	22.85	22.66		
100	QPSK	135	0	22.90	23.01	22.80		
100	QPSK	135	69	22.88	22.96	22.67	24.0	0.0
100	QPSK	135	138	22.76	22.79	22.73	24.0	0.0
100	QPSK	270	0	22.82	22.84	22.82	24.0	0.0
100	16QAM	1	1	22.83	22.82	22.85		
100	16QAM	1	1	22.76	22.84	22.73		
100	256QAM	1	1	21.50	21.63	21.29		
100	256QAM	1	1	21.50	21.63	21.29		
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.58	22.88	22.68	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.62	22.85	22.69	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.59	22.98	22.70	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.61	22.94	22.71	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.67	22.95	22.63	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.68	22.95	22.80	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.62	22.87	22.65	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.68	22.94	22.68	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.67	22.93	22.67	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.63	22.89	22.59	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.67	22.95	22.71	24.0	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)										
				650000	656000	662000				
				3750	3840	3930				
100	PI2 BPSK	1	1	25.58	25.92	25.61	27.0	0.0		
100	PI2 BPSK	1	137	25.55	25.79	25.55				
100	PI2 BPSK	1	271	25.56	25.83	25.44				
100	PI2 BPSK	135	0	25.21	25.42	25.08				
100	PI2 BPSK	135	69	25.69	25.93	25.64				
100	PI2 BPSK	135	138	25.22	25.34	25.15	26.5	0.5		
100	PI2 BPSK	270	0	25.18	25.40	25.12	27.0	0.0		
100	QPSK	1	1	25.75	26.00	25.86				
100	QPSK	1	137	25.84	25.87	25.52				
100	QPSK	1	271	25.55	25.73	25.51				
100	QPSK	135	0	24.81	24.98	24.72				
100	QPSK	135	69	25.57	25.85	25.50	27.0	0.0		
100	QPSK	135	138	24.73	24.82	24.69	26.0	1.0		
100	QPSK	270	0	24.70	24.91	24.62	26.0	1.0		
100	16QAM	1	1	24.64	24.87	24.58				
100	16QAM	1	1	23.38	23.53	23.19				
100	256QAM	1	1	21.24	21.52	21.24				
Channel										
Frequency (MHz)										
				649400	655000	661334	Tune-up limit (dBm)	MPR (dB)		
90	QPSK	1	1	25.61	25.92	25.52	27.0	0.0		
Channel										
Frequency (MHz)										
				649334	655000	660866	Tune-up limit (dBm)	MPR (dB)		
80	QPSK	1	1	25.69	25.89	25.59	27.0	0.0		
Channel										
Frequency (MHz)										
				649000	655000	663000	Tune-up limit (dBm)	MPR (dB)		
70	QPSK	1	1	25.61	25.92	25.56	27.0	0.0		
Channel										
Frequency (MHz)										
				648834	655000	663666	Tune-up limit (dBm)	MPR (dB)		
60	QPSK	1	1	25.66	25.85	25.55	27.0	0.0		
Channel										
Frequency (MHz)										
				648334	654000	663500	Tune-up limit (dBm)	MPR (dB)		
50	QPSK	1	1	25.68	25.94	25.57	27.0	0.0		
Channel										
Frequency (MHz)										
				648000	655000	664000	Tune-up limit (dBm)	MPR (dB)		
40	QPSK	1	1	25.64	25.90	25.60	27.0	0.0		
Channel										
Frequency (MHz)										
				647666	655000	664334	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	25.61	25.84	25.53	27.0	0.0		
Channel										
Frequency (MHz)										
				647500	655000	664500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	25.68	25.90	25.56	27.0	0.0		
Channel										
Frequency (MHz)										
				647334	655000	664666	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	25.59	25.88	25.54	27.0	0.0		
Channel										
Frequency (MHz)										
				647166	655000	664834	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	25.64	25.90	25.58	27.0	0.0		
Channel										
Frequency (MHz)										
				647000	655000	665000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	25.59	25.89	25.53	27.0	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)				3500.01				
100	PI2 BPSK	1	1	23.33				
100	PI2 BPSK	1	137	23.37			24.0	0.0
100	PI2 BPSK	1	271	23.27				
100	PI2 BPSK	135	0	22.97			24.0	0.0
100	PI2 BPSK	135	69	23.42			24.0	0.0
100	PI2 BPSK	135	138	22.88			24.0	0.0
100	PI2 BPSK	270	0	22.87				
100	QPSK	1	1	23.52			24.0	0.0
100	QPSK	1	137	23.29				
100	QPSK	1	271	23.28				
100	QPSK	135	0	23.48			24.0	0.0
100	QPSK	135	69	23.36			24.0	0.0
100	QPSK	135	138	23.45			24.0	0.0
100	QPSK	270	0	23.45				
100	16QAM	1	1	23.29			24.0	0.0
100	64QAM	1	1	23.23			24.0	0.0
100	256QAM	1	1	22.06			22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.45	23.39	23.46	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.02	3500.01	3530.00		
80	QPSK	1	1	23.37	23.37	23.46	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.46	23.40	23.47	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.00	3500.01	3520.02		
60	QPSK	1	1	23.46	23.39	23.44	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525.00		
50	QPSK	1	1	23.38	23.42	23.41	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.43	23.39	23.38	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.00	3500.01	3535.02		
30	QPSK	1	1	23.38	23.42	23.42	24.0	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.38	23.44	23.38	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.00	3500.01	3540.00		
20	QPSK	1	1	23.42	23.44	23.42	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.45	23.42	23.36	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.35	23.43	23.37	24.0	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)				3500.01				
100	PI2 BPSK	1	1	26.11				
100	PI2 BPSK	1	137	26.01			27.0	0.0
100	PI2 BPSK	1	271	26.02				
100	PI2 BPSK	135	0	25.83			26.5	0.5
100	PI2 BPSK	135	69	26.18			27.0	0.0
100	PI2 BPSK	135	138	25.64			26.5	0.5
100	PI2 BPSK	270	0	25.81				
100	QPSK	1	1	26.22			27.0	0.0
100	QPSK	1	137	26.05				
100	QPSK	1	271	26.02				
100	QPSK	135	0	25.28			26.0	1.0
100	QPSK	135	69	26.10			27.0	0.0
100	QPSK	135	138	25.26			26.0	1.0
100	QPSK	270	0	25.22				
100	16QAM	1	1	25.19			26.0	1.0
100	64QAM	1	1	23.76			24.5	2.5
100	256QAM	1	1	21.74			22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	26.14	26.08	26.17	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.00		
80	QPSK	1	1	26.14	26.14	26.09	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.14	26.15	26.09	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.00	3500.01	3520.02		
60	QPSK	1	1	26.17	26.14	26.09	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525.00		
50	QPSK	1	1	26.14	26.11	26.17	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.07	26.10	26.12	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465.00	3500.01	3535.02		
30	QPSK	1	1	26.17	26.06	26.14	27.0	0.0
Channel				630668	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.14	26.07	26.08	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.00	3500.01	3540.00		
20	QPSK	1	1	26.11	26.12	26.13	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.05	26.09	26.15	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.06	26.07	26.06	27.0	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)				3750	3750	3750		
100	PI2 BPSK	1	1	22.83				
100	PI2 BPSK	1	137	22.55			24.0	0.0
100	PI2 BPSK	1	271	22.51				
100	PI2 BPSK	135	0	22.20			24.0	0.0
100	PI2 BPSK	135	69	22.70			24.0	0.0
100	PI2 BPSK	135	138	22.14			24.0	0.0
100	PI2 BPSK	270	0	22.17				
100	QPSK	1	1	22.86			24.0	0.0
100	QPSK	1	137	22.80				
100	QPSK	1	271	22.81				
100	QPSK	135	0	22.85			24.0	0.0
100	QPSK	135	69	22.75			24.0	0.0
100	QPSK	135	138	22.64			24.0	0.0
100	QPSK	270	0	22.81				
100	16QAM	1	1	22.58			24.0	0.0
100	64QAM	1	1	22.60			24.0	0.0
100	256QAM	1	1	21.35			22.5	1.5
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.83	22.73	22.87	24.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750.00	3760.02		
80	QPSK	1	1	22.68	22.65	22.64	24.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.00	3750.00	3765.00		
70	QPSK	1	1	22.87	22.84	22.70	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750.00	3770.01		
60	QPSK	1	1	22.68	22.73	22.70	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750.00	3775.02		
50	QPSK	1	1	22.67	22.70	22.70	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.00	3750.00	3780.00		
40	QPSK	1	1	22.85	22.75	22.75	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750.00	3785.01		
30	QPSK	1	1	22.73	22.73	22.67	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750.00	3787.5		
25	QPSK	1	1	22.74	22.68	22.71	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750.00	3790.02		
20	QPSK	1	1	22.70	22.87	22.68	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750.00	3792.51		
15	QPSK	1	1	22.68	22.72	22.72	24.0	0.0
Channel				646992	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.00	3750.00	3795.00		
10	QPSK	1	1	22.63	22.74	22.65	24.0	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		25.65		27.0		
100	PI2 BPSK	1	137		25.63			0.0	
100	PI2 BPSK	1	271		25.61		26.5	0.5	
100	PI2 BPSK	135	0		25.17				
100	PI2 BPSK	135	69		25.73		27.0	0.0	
100	PI2 BPSK	135	138		25.13		26.5	0.5	
100	PI2 BPSK	270	0		25.16				
100	QPSK	1	1		25.76		27.0		
100	QPSK	1	137		25.65			0.0	
100	QPSK	1	271		25.58		26.0		
100	QPSK	135	0		24.72			1.0	
100	QPSK	135	69		25.60		27.0	0.0	
100	QPSK	135	138		24.66		26.0	1.0	
100	QPSK	270	0		24.70				
100	16QAM	1	1		24.64		26.0	1.0	
100	64QAM	1	1		23.38		24.5	2.5	
100	256QAM	1	1		21.28		22.5	4.5	
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		25.66	25.66	25.68	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		25.64	25.64	25.68	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		25.65	25.71	25.64	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		25.70	25.68	25.70	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		25.64	25.72	25.66	27.0	0.0
Channel				647999	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		25.62	25.65	25.66	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3783.01			
30	QPSK	1	1		25.61	25.70	25.70	27.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		25.62	25.67	25.68	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		25.70	25.72	25.70	27.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		25.68	25.70	25.66	27.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		25.69	25.68	25.66	27.0	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					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		23.14		24.0		
100	PI2 BPSK	1	137		23.12			0.0	
100	PI2 BPSK	1	271		23.13		24.0	0.0	
100	PI2 BPSK	135	0		22.75				
100	PI2 BPSK	135	69		23.22		24.0	0.0	
100	PI2 BPSK	135	138		22.87		24.0	0.0	
100	PI2 BPSK	270	0		22.69				
100	QPSK	1	1		23.30		24.0		
100	QPSK	1	137		23.12			0.0	
100	QPSK	1	271		23.08		24.0		
100	QPSK	135	0		23.27			0.0	
100	QPSK	135	69		23.24		24.0	0.0	
100	QPSK	135	138		23.13		24.0	0.0	
100	QPSK	270	0		23.10				
100	16QAM	1	1		23.06		24.0	0.0	
100	64QAM	1	1		23.02		24.0	0.0	
100	256QAM	1	1		21.90		22.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		23.20	23.24	23.15	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		23.14	23.20	23.17	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		23.19	23.14	23.23	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		23.17	23.18	23.14	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		23.21	23.18	23.22	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		23.16	23.16	23.20	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3537.02			
30	QPSK	1	1		23.18	23.24	23.14	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		23.16	23.17	23.23	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		23.18	23.20	23.25	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		23.24	23.18	23.20	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		23.22	23.14	23.22	24.0	0.0

Part27Q n78 PC2 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334				
Frequency (MHz)					3500.01				
100	PI2 BPSK	1	1		25.99		27.0		
100	PI2 BPSK	1	137		25.88			0.0	
100	PI2 BPSK	1	271		25.96		26.5	0.5	
100	PI2 BPSK	135	0		25.54				
100	PI2 BPSK	135	69		26.01		27.0	0.0	
100	PI2 BPSK	135	138		25.55		26.5	0.5	
100	PI2 BPSK	270	0		25.55				
100	QPSK	1	1		26.09		27.0		
100	QPSK	1	137		25.95			0.0	
100	QPSK	1	271		25.95		26.0		
100	QPSK	135	0		25.15			1.0	
100	QPSK	135	69		25.97		27.0	0.0	
100	QPSK	135	138		25.04		26.0	1.0	
100	QPSK	270	0		25.11				
100	16QAM	1	1		25.00		26.0	1.0	
100	64QAM	1	1		23.64		24.5	2.5	
100	256QAM	1	1		21.59		22.5	4.5	
Channel				633500	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3486	3500.01	3505.02			
90	QPSK	1	1	25.99	25.96	26.01	27.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	26.02	26.01	25.99	27.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	26.02	25.98	26.01	27.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3488	3500.01	3520.02			
60	QPSK	1	1	25.92	25.98	25.99	27.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	25.99	26.02	25.92	27.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	25.98	25.97	25.95	27.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3463	3500.01	3525.02			
30	QPSK	1	1	25.97	25.94	26.04	27.0	0.0	
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	26.02	25.92	25.92	27.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.65	3500.01	3540			
20	QPSK	1	1	25.96	25.99	25.97	27.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.6	3500.01	3542.52			
15	QPSK	1	1	25.88	25.99	26.03	27.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	25.99	26.03	25.94	27.0	0.0	

n2 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				374000	376000	378000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI/2 BPSK	1	1	23.01	23.09	22.92	24.0	0.0	
40	PI/2 BPSK	1	108	22.97	23.10	22.91			
40	PI/2 BPSK	1	214	22.94	22.96	22.83			
40	PI/2 BPSK	108	0	22.83	22.82	22.48			
40	PI/2 BPSK	108	54	23.08	23.12	23.01	24.0	0.0	
40	PI/2 BPSK	108	108	22.60	22.67	22.46	23.5	0.5	
40	PI/2 BPSK	216	0	22.54	22.62	22.47	24.0	0.0	
40	QPSK	1	1	23.15	23.21	23.02			
40	QPSK	1	108	22.97	23.06	22.92			
40	QPSK	1	214	23.00	22.97	22.80			
40	QPSK	108	0	22.12	22.24	22.04	23.0	1.0	
40	QPSK	108	54	23.08	23.09	22.85	24.0	0.0	
40	QPSK	108	108	22.08	22.12	22.02	23.0	1.0	
40	QPSK	216	0	22.08	22.14	22.01	23.0	1.0	
40	16QAM	1	1	22.08	22.18	22.00			
40	64QAM	1	1	20.77	20.75	20.58			
40	256QAM	1	1	18.72	18.73	18.58			
Channel				375000	376000	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1892.5	24.0	0.0	
35	QPSK	1	1	23.05	23.09	22.89	24.0	0.0	
Channel				373000	376000	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1900	1905	24.0	0.0	
30	QPSK	1	1	23.02	23.06	22.83	24.0	0.0	
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0	
25	QPSK	1	1	23.02	23.11	22.96	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	24.0	0.0	
20	QPSK	1	1	23.01	23.11	22.90	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0	
15	QPSK	1	1	23.05	23.14	22.83	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	24.0	0.0	
10	QPSK	1	1	23.08	23.13	22.91	24.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.0	0.0	
5	QPSK	1	1	23.08	23.08	22.87	24.0	0.0	

n25 Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376500	376500	24.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PI/2 BPSK	1	1	23.04	23.08	23.01	24.0	0.0	
40	PI/2 BPSK	1	108	22.98	23.04	22.93			
40	PI/2 BPSK	1	214	22.95	23.06	22.80			
40	PI/2 BPSK	108	0	22.50	22.64	22.59			
40	PI/2 BPSK	108	54	23.13	23.16	23.05	24.0	0.0	
40	PI/2 BPSK	108	108	22.50	22.58	22.49	23.5	0.5	
40	PI/2 BPSK	216	0	22.55	22.59	22.48	24.0	0.0	
40	QPSK	1	1	23.07	23.20	23.14			
40	QPSK	1	108	23.02	23.07	22.94			
40	QPSK	1	214	22.96	22.95	22.89			
40	QPSK	108	0	22.07	22.24	22.12	23.0	1.0	
40	QPSK	108	54	23.04	23.11	23.00	24.0	0.0	
40	QPSK	108	108	22.12	22.11	22.02	23.0	1.0	
40	QPSK	216	0	22.07	22.21	22.12	23.0	1.0	
40	16QAM	1	1	22.05	22.07	21.88			
40	64QAM	1	1	20.68	20.74	20.62			
40	256QAM	1	1	18.89	18.78	18.64			
Channel				375500	376500	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	24.0	0.0	
35	QPSK	1	1	22.95	23.03	23.07	24.0	0.0	
Channel				373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1902.5	1900	24.0	0.0	
30	QPSK	1	1	22.95	23.03	23.07	24.0	0.0	
Channel				372500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	24.0	0.0	
25	QPSK	1	1	22.94	23.08	23.07	24.0	0.0	
Channel				372000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	24.0	0.0	
20	QPSK	1	1	23.00	23.09	23.09	24.0	0.0	
Channel				371500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	24.0	0.0	
15	QPSK	1	1	22.90	23.09	23.08	24.0	0.0	
Channel				371000	376000	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	24.0	0.0	
10	QPSK	1	1	22.97	23.04	23.01	24.0	0.0	
Channel				370500	376000	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	24.0	0.0	
5	QPSK	1	1	22.98	23.05	23.02	24.0	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				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.76	23.07	22.63			
40	PI2 BPSK	1	168	22.71	22.97	22.53	23.5	0.5	
40	PI2 BPSK	1	214	22.72	22.97	22.58			
40	PI2 BPSK	108	0	22.40	22.56	22.18			
40	PI2 BPSK	108	54	22.85	23.02	22.72	23.5	0.5	
40	PI2 BPSK	108	108	22.29	22.52	22.15			
40	PI2 BPSK	216	0	22.35	22.57	22.10			
40	QPSK	1	1	22.91	23.14	22.78	24.0	0.0	
40	QPSK	1	108	22.80	22.95	22.62			
40	QPSK	1	214	22.78	22.90	22.54			
40	QPSK	108	0	21.92	22.16	21.74	23.0	1.0	
40	QPSK	108	54	22.82	22.97	22.60			
40	QPSK	108	108	21.90	22.11	21.78			
40	QPSK	216	0	21.91	22.03	21.73	23.0	1.0	
40	16QAM	1	1	21.90	22.02	21.68			
40	64QAM	1	1	20.49	20.75	20.35		2.5	
40	256QAM	1	1	18.38	18.58	18.24			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.85	23.03	22.55	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.79	23.07	22.58	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.83	23.09	22.59	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.81	22.98	22.54	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.86	22.97	22.57	24.0	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				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1702.5	1709	1716			
15	PI2 BPSK	1	1	23.09	23.08	22.61			
15	PI2 BPSK	1	40	23.08	23.06	22.73	23.5	0.5	
15	PI2 BPSK	1	77	23.06	22.73	22.17			
15	PI2 BPSK	36	0	22.73	22.61	22.17			
15	PI2 BPSK	36	22	23.17	22.61	22.17	23.5	0.5	
15	PI2 BPSK	36	43	22.61	22.61	22.17			
15	PI2 BPSK	75	0	22.60	22.60	22.17			
15	QPSK	1	1	23.27	23.14	22.78	24.0	0.0	
15	QPSK	1	40	23.14	23.14	22.78			
15	QPSK	1	77	23.04	22.29	21.74			
15	QPSK	36	0	22.29	23.08	22.61	23.0	1.0	
15	QPSK	36	22	23.08	23.08	22.61			
15	QPSK	36	43	22.21	22.21	22.17			
15	QPSK	75	0	22.18	22.18	22.17	23.0	1.0	
15	16QAM	1	1	22.14	22.14	21.74			
15	64QAM	1	1	20.78	20.78	20.35		2.5	
15	256QAM	1	1	18.80	18.80	18.38			
Channel				348000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.15	23.19	23.17	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.15	23.19	23.21	24.0	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)								
40	PI2 BPSK	1	1	21.63	21.88	21.68	23.0	0.0
40	PI2 BPSK	1	108	21.58	21.84	21.60		
40	PI2 BPSK	1	214	21.60	21.73	21.62		
40	PI2 BPSK	108	0	21.19	21.42	21.29	22.5	0.5
40	PI2 BPSK	108	54	21.68	21.90	21.79	23.0	0.0
40	PI2 BPSK	108	108	21.18	21.38	21.17	22.5	0.5
40	PI2 BPSK	216	0	21.14	21.39	21.19	23.0	0.0
40	QPSK	1	1	21.73	22.02	21.79		
40	QPSK	1	108	21.86	21.81	21.68		
40	QPSK	1	214	21.58	21.75	21.56	22.0	1.0
40	QPSK	108	0	20.72	20.96	20.76		
40	QPSK	108	54	21.58	21.83	21.59	23.0	0.0
40	QPSK	108	108	20.72	20.94	20.77	22.0	1.0
40	QPSK	216	0	20.77	20.97	20.81	22.0	1.0
40	16QAM	1	1	20.67	20.86	20.69		
40	64QAM	1	1	19.35	19.55	19.38	20.5	2.5
40	256QAM	1	1	17.28	17.53	17.32	18.5	4.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.64	21.90	21.66	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.63	21.89	21.64	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.59	21.95	21.62	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.62	21.85	21.64	23.0	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	21.18	21.53	21.07	22.5	0.0
100	PI2 BPSK	1	137	21.18	21.45	21.10		
100	PI2 BPSK	1	271	21.16	21.40	21.02		
100	PI2 BPSK	135	0	20.71	21.04	20.67	22.5	0.0
100	PI2 BPSK	135	69	21.33	21.55	21.20	22.5	0.0
100	PI2 BPSK	135	138	20.72	21.02	20.64	22.5	0.0
100	PI2 BPSK	270	0	20.73	20.96	20.58	22.5	0.0
100	QPSK	1	1	21.32	21.59	21.23		
100	QPSK	1	137	21.38	21.40	21.18		
100	QPSK	1	271	21.35	21.38	21.16	22.5	0.0
100	QPSK	135	0	21.42	21.47	21.29		
100	QPSK	135	69	21.41	21.43	21.22	22.5	0.0
100	QPSK	135	138	21.35	21.41	21.24	22.5	0.0
100	QPSK	270	0	21.34	21.48	21.15	22.5	0.0
100	16QAM	1	1	21.34	21.33	21.11		
100	64QAM	1	1	21.34	21.34	21.21	22.5	0.0
100	256QAM	1	1	19.97	20.17	19.87	21.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.23	21.46	21.09	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.22	21.47	21.07	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.16	21.44	21.11	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.25	21.44	21.12	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.18	21.49	21.14	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.17	21.48	21.17	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.20	21.63	21.11	22.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.10	21.44	21.01	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.15	21.45	20.97	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.10	21.40	20.98	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.07	21.47	21.05	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								
Frequency (MHz)								
100	PI2 BPSK	1	1		3500.01	21.51	22.5	0.0
100	PI2 BPSK	1	137		21.35			
100	PI2 BPSK	1	271		21.38			
100	PI2 BPSK	135	0		21.04		22.5	0.0
100	PI2 BPSK	135	69		21.50		22.5	0.0
100	PI2 BPSK	135	138		20.98		22.5	0.0
100	PI2 BPSK	270	0		21.00		22.5	0.0
100	QPSK	1	1		21.61			
100	QPSK	1	137		21.49			
100	QPSK	1	271		21.46		22.5	0.0
100	QPSK	135	0		21.57			
100	QPSK	135	69		21.51		22.5	0.0
100	QPSK	135	138		21.51		22.5	0.0
100	QPSK	270	0		21.41		22.5	0.0
100	16QAM	1	1		21.44			
100	64QAM	1	1		21.38		22.5	0.0
100	256QAM	1	1		20.21		21.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.43	21.43	21.38	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.37	21.40	21.44	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.37	21.48	21.38	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.44	21.48	21.43	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.45	21.44	21.36	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.47	21.42	21.37	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.48	21.41	21.43	22.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.43	21.47	21.41	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.39	21.42	21.41	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.43	21.41	21.38	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.45	21.48	21.43	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		21.26		22.5	0.0	
100	PI2 BPSK	1	137		21.28				
100	PI2 BPSK	1	271		21.19				
100	PI2 BPSK	135	0		20.80		22.5	0.0	
100	PI2 BPSK	135	69		21.34		22.5	0.0	
100	PI2 BPSK	135	138		20.80		22.5	0.0	
100	PI2 BPSK	270	0		20.77				
100	QPSK	1	1		21.45				
100	QPSK	1	137		21.29		22.5	0.0	
100	QPSK	1	271		21.27				
100	QPSK	135	0		21.34		22.5	0.0	
100	QPSK	135	69		21.30		22.5	0.0	
100	QPSK	135	138		21.35		22.5	0.0	
100	QPSK	270	0		21.27				
100	16QAM	1	1		21.19		22.5	0.0	
100	64QAM	1	1		21.25		22.5	0.0	
100	256QAM	1	1		20.00		21.0	1.5	
Channel				649668	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		21.32	21.28	21.14	22.5	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		21.23	21.25	21.16	22.5	0.0
Channel				649000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		21.34	21.22	21.15	22.5	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.03	(dBm)	(dB)	
60	QPSK	1	1		21.26	21.27	21.17	22.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		21.27	21.22	21.15	22.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		21.31	21.21	21.17	22.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3795.03	(dBm)	(dB)	
30	QPSK	1	1		21.22	21.21	21.17	22.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3800.02	(dBm)	(dB)	
25	QPSK	1	1		21.29	21.24	21.18	22.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
20	QPSK	1	1		21.31	21.24	21.22	22.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		21.30	21.25	21.16	22.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		21.24	21.24	21.18	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				633334	633334			
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		21.21			
100	PI/2 BPSK	1	137		21.26		22.5	0.0
100	PI/2 BPSK	1	271		21.17			
100	PI/2 BPSK	135	0		20.80		22.5	0.0
100	PI/2 BPSK	135	69		21.26		22.5	0.0
100	PI/2 BPSK	135	138		20.82		22.5	0.0
100	PI/2 BPSK	270	0		20.80			
100	QPSK	1	1		21.43			
100	QPSK	1	137		21.26		22.5	0.0
100	QPSK	1	271		21.18			
100	QPSK	135	0		21.33		22.5	0.0
100	QPSK	135	69		21.36		22.5	0.0
100	QPSK	135	138		21.30		22.5	0.0
100	QPSK	270	0		21.24			
100	16QAM	1	1		21.24		22.5	0.0
100	64QAM	1	1		21.14		22.5	0.0
100	256QAM	1	1		20.01		21.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.21	21.19	21.19	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.27	21.25	21.20	22.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.21	21.22	21.17	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.22	21.19	21.23	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.25	21.19	21.20	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.24	21.29	21.24	22.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.27	21.20	21.22	22.5	0.0
Channel				630634	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.18	21.20	21.18	22.5	0.0
Channel				630368	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.27	21.28	21.19	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.19	21.24	21.23	22.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.24	21.23	21.22	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				3570	3624.99	3679.98	20.1	0.0
Frequency (MHz)				19.11	19.17	19.05		
40	PV2 BPSK	1	1	18.52	19.03	18.87		
40	PV2 BPSK	1	108	19.01	19.03	18.81		
40	PV2 BPSK	1	214	19.17	19.14	19.02	20.1	0.0
40	PV2 BPSK	108	0	19.17	19.14	19.02	20.1	0.0
40	PV2 BPSK	108	54	18.95	19.08	18.90	20.1	0.0
40	PV2 BPSK	108	108	18.91	19.03	18.93	20.1	0.0
40	PV2 BPSK	216	0	18.91	19.06	18.97	20.1	0.0
40	QPSK	1	1	19.21	19.23	19.11		
40	QPSK	1	108	19.09	19.16	19.02		
40	QPSK	1	214	19.08	19.19	19.12		
40	QPSK	108	0	18.74	18.88	18.86	20.1	0.0
40	QPSK	108	54	18.91	19.15	18.97	20.1	0.0
40	QPSK	108	108	18.83	18.86	18.84	20.1	0.0
40	QPSK	216	0	18.86	18.90	18.79		
40	16QAM	1	1	18.87	19.00	18.86	20.1	0.0
40	16QAM	1	1	18.91	18.95	18.84	20.1	0.0
40	256QAM	1	1	17.44	17.71	17.58	18.6	1.5
Channel				3570.03	3624.99	3679.98	20.1	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.06	19.15	19.00	20.1	0.0
Channel				637334	641666	646000	20.1	MPR
Frequency (MHz)				3569.01	3624.99	3690		
20	QPSK	1	1	19.05	19.11	19.01	20.1	0.0
Channel				637168	641666	646168	20.1	MPR
Frequency (MHz)				3567.52	3624.99	3692.49		
15	QPSK	1	1	19.13	19.06	19.05	20.1	0.0
Channel				637000	641666	646332	20.1	MPR
Frequency (MHz)				3565	3624.99	3694.99		
10	QPSK	1	1	19.15	19.14	18.97	20.1	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				3750	3840	3930	18.0	0.0
Frequency (MHz)				16.57	16.70	16.57		
100	PV2 BPSK	1	1	16.54	16.51	16.44		
100	PV2 BPSK	1	137	16.52	16.54	16.34		
100	PV2 BPSK	1	271	16.52	16.54	16.34	18.0	0.0
100	PV2 BPSK	135	0	16.58	16.85	16.43		
100	PV2 BPSK	135	69	16.43	16.49	16.42		
100	PV2 BPSK	135	138	16.47	16.62	16.37		
100	PV2 BPSK	270	0	16.45	16.53	16.44	18.0	0.0
100	QPSK	1	1	16.62	16.75	16.56		
100	QPSK	1	137	16.52	16.72	16.54		
100	QPSK	1	271	16.51	16.68	16.64		
100	QPSK	135	0	16.30	16.35	16.38	18.0	0.0
100	QPSK	135	69	16.50	16.58	16.54	18.0	0.0
100	QPSK	135	138	16.38	16.27	16.32	18.0	0.0
100	QPSK	270	0	16.18	16.47	16.36	18.0	0.0
100	16QAM	1	1	16.43	16.52	16.42		
100	16QAM	1	1	16.44	16.51	16.35		
100	256QAM	1	1	16.40	16.49	16.31		
Channel				649300	650000	650334	18.0	MPR
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.52	16.57	16.51	18.0	0.0
Channel				649334	650000	650668	18.0	MPR
Frequency (MHz)				3740.01	3740	3940.02		
80	QPSK	1	1	16.49	16.58	16.50	18.0	0.0
Channel				649000	650000	650300	18.0	MPR
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.54	16.63	16.51	18.0	0.0
Channel				649068	650000	650334	18.0	MPR
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.55	16.65	16.44	18.0	0.0
Channel				648334	650000	650668	18.0	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.52	16.63	16.45	18.0	0.0
Channel				648300	650000	650300	18.0	MPR
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.52	16.64	16.42	18.0	0.0
Channel				647668	650000	654334	18.0	MPR
Frequency (MHz)				3713.02	3740	3951.01		
30	QPSK	1	1	16.55	16.62	16.46	18.0	0.0
Channel				647900	650000	654500	18.0	MPR
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.52	16.58	16.46	18.0	0.0
Channel				647334	650000	654668	18.0	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.58	16.63	16.49	18.0	0.0
Channel				647168	650000	654834	18.0	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.56	16.62	16.41	18.0	0.0
Channel				647000	650000	655000	18.0	MPR
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.47	16.60	16.49	18.0	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					3500.01	633334		
Frequency (MHz)					16.16			
100	PV2 BPSK	1	1	16.10			18.0	0.0
100	PV2 BPSK	1	137	16.10				
100	PV2 BPSK	1	271	16.05				
100	PV2 BPSK	135	0	16.14				
100	PV2 BPSK	135	69	16.01			18.0	0.0
100	PV2 BPSK	135	138	16.05			18.0	0.0
100	PV2 BPSK	270	0	16.08				
100	QPSK	1	1	16.26				
100	QPSK	1	137	16.17				
100	QPSK	1	271	16.23			18.0	0.0
100	QPSK	135	0	16.02			18.0	0.0
100	QPSK	135	69	16.19				
100	QPSK	135	138	16.02				
100	QPSK	270	0	16.09				
100	16QAM	1	1	16.06			18.0	0.0
100	64QAM	1	1	16.05			18.0	0.0
100	256QAM	1	1	16.02			18.0	0.0
Channel				633000	633334	633668	18.0	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.14	16.18	16.17	18.0	0.0
Channel				632668	633334	634000	18.0	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.21	16.12	16.13	18.0	0.0
Channel				632334	633334	634334	18.0	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.20	16.19	16.22	18.0	0.0
Channel				632000	633334	634668	18.0	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.16	16.18	16.20	18.0	0.0
Channel				631668	633334	635000	18.0	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.21	16.15	16.15	18.0	0.0
Channel				631334	633334	635334	18.0	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.18	16.16	16.11	18.0	0.0
Channel				631000	633334	635668	18.0	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.17	16.17	16.14	18.0	0.0
Channel				630634	633334	635834	18.0	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.13	16.20	16.11	18.0	0.0
Channel				630368	633334	636000	18.0	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.12	16.16	16.11	18.0	0.0
Channel				630000	633334	636168	18.0	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.20	16.13	16.12	18.0	0.0
Channel				629634	633334	636334	18.0	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.13	16.17	16.14	18.0	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				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	16.36			18.0	0.0
100	PI/2 BPSK	1	137	16.35				
100	PI/2 BPSK	1	271	16.35				
100	PI/2 BPSK	135	0	16.39				
100	PI/2 BPSK	135	69	16.32			18.0	0.0
100	PI/2 BPSK	135	138	16.29			18.0	0.0
100	PI/2 BPSK	270	0	16.24			18.0	0.0
100	QPSK	1	1	16.47				
100	QPSK	1	137	16.42				
100	QPSK	1	271	16.42				
100	QPSK	135	0	16.15			18.0	0.0
100	QPSK	135	69	16.41			18.0	0.0
100	QPSK	135	138	16.05			18.0	0.0
100	QPSK	270	0	16.19			18.0	0.0
100	16QAM	1	1	16.22				
100	64QAM	1	1	16.21				
100	256QAM	1	1	16.27				
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01	18.0	0.0
90	QPSK	1	1	16.36	16.38	16.33	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02	18.0	0.0
80	QPSK	1	1	16.39	16.34	16.43	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	18.0	0.0
70	QPSK	1	1	16.32	16.34	16.36	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.03	18.0	0.0
60	QPSK	1	1	16.34	16.35	16.36	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02	18.0	0.0
50	QPSK	1	1	16.32	16.37	16.40	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	18.0	0.0
40	QPSK	1	1	16.42	16.32	16.33	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01	18.0	0.0
30	QPSK	1	1	16.41	16.38	16.33	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02	18.0	0.0
25	QPSK	1	1	16.42	16.37	16.37	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	18.0	0.0
20	QPSK	1	1	16.34	16.37	16.42	18.0	0.0
Channel				647188	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51	18.0	0.0
15	QPSK	1	1	16.35	16.35	16.42	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	18.0	0.0
10	QPSK	1	1	16.41	16.37	16.33	18.0	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				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.27			18.0	0.0
100	PI/2 BPSK	1	137	16.08				
100	PI/2 BPSK	1	271	16.18				
100	PI/2 BPSK	135	0	16.23				
100	PI/2 BPSK	135	69	16.16			18.0	0.0
100	PI/2 BPSK	135	138	16.12			18.0	0.0
100	PI/2 BPSK	270	0	16.13			18.0	0.0
100	QPSK	1	1	16.21				
100	QPSK	1	137	16.21				
100	QPSK	1	271	16.30				
100	QPSK	135	0	16.01			18.0	0.0
100	QPSK	135	69	16.21			18.0	0.0
100	QPSK	135	138	16.02			18.0	0.0
100	QPSK	270	0	16.01			18.0	0.0
100	16QAM	1	1	16.08				
100	64QAM	1	1	16.05				
100	256QAM	1	1	16.02				
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02	18.0	0.0
90	QPSK	1	1	16.26	16.23	16.18	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	18.0	0.0
80	QPSK	1	1	16.21	16.25	16.26	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	18.0	0.0
70	QPSK	1	1	16.20	16.21	16.25	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	18.0	0.0
60	QPSK	1	1	16.30	16.20	16.23	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	18.0	0.0
50	QPSK	1	1	16.25	16.19	16.26	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	18.0	0.0
40	QPSK	1	1	16.21	16.20	16.19	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02	18.0	0.0
30	QPSK	1	1	16.20	16.20	16.19	18.0	0.0
Channel				630668	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51	18.0	0.0
25	QPSK	1	1	16.26	16.21	16.20	18.0	0.0
Channel				630334	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	18.0	0.0
20	QPSK	1	1	16.19	16.20	16.18	18.0	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	18.0	0.0
15	QPSK	1	1	16.21	16.20	16.18	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	18.0	0.0
10	QPSK	1	1	16.22	16.27	16.25	18.0	0.0



n38 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				516004	519000	519996	23.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.43	22.41	22.33	23.7	0.0
40	PI/2 BPSK	1	53	22.33	22.35	22.20		
40	PI/2 BPSK	1	104	22.30	22.33	22.27	23.5	0.2
40	PI/2 BPSK	50	0	21.98	22.02	21.83		
40	PI/2 BPSK	50	28	22.38	22.46	22.22	23.7	0.0
40	PI/2 BPSK	50	56	21.91	21.93	21.83		
40	PI/2 BPSK	100	0	21.96	22.00	21.76	23.7	0.0
40	QPSK	1	1	22.34	22.36	22.42		
40	QPSK	1	53	22.31	22.43	22.31	23.0	0.7
40	QPSK	1	104	22.31	22.36	22.18		
40	QPSK	50	0	21.46	21.58	21.36	23.7	0.0
40	QPSK	50	28	22.37	22.45	22.30		
40	QPSK	80	56	21.42	21.51	21.41	23.0	0.7
40	QPSK	100	0	21.44	21.57	21.42		
40	16QAM	1	1	21.43	21.51	21.31	23.0	0.7
40	64QAM	1	1	20.08	20.16	20.00		
40	256QAM	1	1	18.01	18.02	17.93	19.5	4.2
Channel				517002	519000	520998	23.7	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.44	22.43	22.36	23.7	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2592.52	2595	2607.48	23.7	0.0
25	QPSK	1	1	22.43	22.50	22.33		
Channel				516000	519000	520000	23.7	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.43	22.53	22.33	23.7	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2577.51	2595	2612.49	23.7	0.0
15	QPSK	1	1	22.45	22.49	22.27		
Channel				515004	519000	529998	23.7	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.43	22.47	22.32	23.7	0.0

n41 PC2&3 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				506002	518998	520000	23.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.17	23.30	23.16	23.7	0.0
100	PI/2 BPSK	1	137	23.07	23.22	23.14		
100	PI/2 BPSK	1	271	23.02	23.23	23.08	23.7	0.0
100	PI/2 BPSK	135	0	22.74	22.88	22.76		
100	PI/2 BPSK	135	69	23.12	23.30	23.23	23.7	0.0
100	PI/2 BPSK	135	138	22.70	22.80	22.72		
100	PI/2 BPSK	270	0	22.60	22.83	22.66	23.7	0.0
100	QPSK	1	1	23.21	23.45	23.28		
100	QPSK	1	137	23.34	23.23	23.08	23.7	0.0
100	QPSK	1	271	23.21	23.24	23.06		
100	QPSK	135	0	23.32	23.32	23.19	23.7	0.0
100	QPSK	135	69	23.29	23.38	23.05		
100	QPSK	135	138	23.23	23.34	23.11	23.7	0.0
100	QPSK	270	0	23.24	23.30	23.00		
100	16QAM	1	1	23.23	23.19	23.02	23.7	0.0
100	64QAM	1	1	23.15	23.24	23.16		
100	256QAM	1	1	21.88	22.05	21.88	22.5	1.2
Channel				506002	518998	520998	23.7	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.15	23.39	23.14	23.7	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2538.02	2592.99	2649.99	23.7	0.0
80	QPSK	1	1	23.06	23.30	23.21		
Channel				506002	518998	531000	23.7	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.11	23.34	23.14	23.7	0.0
Channel				505200	518998	531998		
Frequency (MHz)				2524	2592.99	2659.98	23.7	0.0
60	QPSK	1	1	23.07	23.36	23.23		
Channel				504204	518998	532998	23.7	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.09	23.32	23.12	23.7	0.0
Channel				503700	518998	533498		
Frequency (MHz)				2518.5	2592.99	2667.48	23.7	0.0
45	QPSK	1	1	23.10	23.36	23.17		
Channel				503202	518998	534000	23.7	0.0
Frequency (MHz)				2513.01	2592.99	2670		
40	QPSK	1	1	23.05	23.35	23.13	23.7	0.0
Channel				502704	518998	534498		
Frequency (MHz)				2513.52	2592.99	2672.49	23.7	0.0
35	QPSK	1	1	23.07	23.28	23.13		
Channel				502200	518998	534998	23.7	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.13	23.36	23.19	23.7	0.0
Channel				501702	518998	535500		
Frequency (MHz)				2508.51	2592.99	2677.5	23.7	0.0
25	QPSK	1	1	23.07	23.35	23.21		
Channel				501204	518998	535998	23.7	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.16	23.32	23.21	23.7	0.0
Channel				500700	518998	536498		
Frequency (MHz)				2503.5	2592.99	2682.48	23.7	0.0
15	QPSK	1	1	23.04	23.39	23.20		
Channel				500202	518998	537000	23.7	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.16	23.36	23.12	23.7	0.0



Reduced Power Mode for ECI 6

n2 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000	22.1	0.0
Frequency (MHz)				1670	1680	1690		
40	PI2 BPSK	1	1	21.02	21.12	21.00	22.1	0.0
40	PI2 BPSK	1	108	20.92	20.93	20.97		
40	PI2 BPSK	1	214	20.97	20.96	20.84	22.1	0.0
40	PI2 BPSK	108	0	21.13	21.05	20.91		
40	PI2 BPSK	108	54	20.86	21.05	20.97	22.1	0.0
40	PI2 BPSK	108	108	20.86	21.03	20.80	22.1	0.0
40	PI2 BPSK	216	0	20.90	21.00	20.97	22.1	0.0
40	QPSK	1	1	21.10	21.25	21.08		
40	QPSK	1	108	20.97	21.08	20.92	22.1	0.0
40	QPSK	1	214	21.01	21.09	21.08	22.1	0.0
40	QPSK	108	0	20.71	20.87	20.77		
40	QPSK	108	54	20.87	21.05	20.96	22.1	0.0
40	QPSK	108	108	20.82	20.82	20.82	22.1	0.0
40	QPSK	216	0	20.66	20.95	20.76		
40	16QAM	1	1	20.79	21.00	20.80	22.1	0.0
40	8QAM	1	1	20.14	20.39	20.34	21.5	0.6
40	25QAM	1	1	18.15	18.34	18.23	19.5	2.6
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1667.5	1680	1692.5		
35	QPSK	1	1	21.03	21.13	20.97	22.1	0.0
Channel				372000	376000	378000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1685	1680	1686		
30	QPSK	1	1	20.95	21.11	20.95	22.1	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1692.5	1680	1687.5		
25	QPSK	1	1	20.96	21.17	20.99	22.1	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1680	1680	1690		
20	QPSK	1	1	20.97	21.15	21.00	22.1	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1687.5	1680	1692.5		
15	QPSK	1	1	21.03	21.17	21.00	22.1	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1685	1680	1695		
10	QPSK	1	1	21.03	21.16	20.98	22.1	0.0
Channel				371000	376000	371000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1682.5	1680	1697.5		
5	QPSK	1	1	20.97	21.18	20.98	22.1	0.0

1.2

n5 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800	24.0	0.0
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.77	22.81	22.64	24.0	0.0
20	PI2 BPSK	1	53	22.65	22.77	22.57		
20	PI2 BPSK	1	104	22.68	22.80	22.61	23.5	0.5
20	PI2 BPSK	50	0	22.31	22.41	22.20		
20	PI2 BPSK	50	26	22.81	22.87	22.72	24.0	0.0
20	PI2 BPSK	50	56	22.26	22.33	22.23	23.5	0.5
20	PI2 BPSK	100	0	22.28	22.30	22.23	24.0	0.0
20	QPSK	1	1	22.82	22.99	22.71		
20	QPSK	1	53	22.76	22.85	22.63	24.0	0.0
20	QPSK	1	104	22.63	22.76	22.50	23.0	1.0
20	QPSK	50	0	21.83	21.95	21.73		
20	QPSK	50	26	22.86	22.85	22.70	24.0	0.0
20	QPSK	50	56	21.86	21.93	21.74	23.0	1.0
20	QPSK	100	0	21.88	21.92	21.71		
20	16QAM	1	1	21.79	21.89	21.68	23.0	1.0
20	8QAM	1	1	20.37	20.58	20.39	21.5	2.5
20	25QAM	1	1	18.40	18.46	18.32	19.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.67	22.82	22.64	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.68	22.86	22.55	24.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.77	22.86	22.56	24.0	0.0

n12 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700	24.0	0.0
Frequency (MHz)				706.5	707.5	708.5		
15	PI2 BPSK	1	1	22.70	22.85	22.70	24.0	0.0
15	PI2 BPSK	1	40	22.60	22.76	22.70		
15	PI2 BPSK	1	77	22.58	22.76	22.62	23.5	0.5
15	PI2 BPSK	36	0	22.28	22.37	22.30		
15	PI2 BPSK	36	22	22.70	22.95	22.77	24.0	0.0
15	PI2 BPSK	36	43	22.16	22.33	22.28	23.5	0.5
15	PI2 BPSK	75	0	22.16	22.33	22.25	24.0	0.0
15	QPSK	1	1	22.77	23.00	22.80		
15	QPSK	1	40	22.67	22.76	22.62	24.0	0.0
15	QPSK	1	77	22.63	22.77	22.57	23.0	1.0
15	QPSK	36	0	21.77	21.94	21.80		
15	QPSK	36	22	22.67	22.94	22.73	24.0	0.0
15	QPSK	36	43	21.76	21.93	21.76	23.0	1.0
15	QPSK	75	0	21.77	21.67	21.73		
15	16QAM	1	1	21.70	21.83	21.79	23.0	1.0
15	8QAM	1	1	20.38	20.46	20.36	21.5	2.5
15	25QAM	1	1	18.35	18.45	18.33	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	QPSK	1	1	22.62	22.95	22.70	24.0	0.0
Channel				140300	141000	142100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	1	22.69	22.86	22.68	24.0	0.0



n14 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				158600				
Frequency (MHz)				753				
10	PI2 BPSK	1	1	22.94			24.0	0.0
10	PI2 BPSK	1	26	22.85				
10	PI2 BPSK	1	50	22.94				
10	PI2 BPSK	25	0	22.49			23.5	0.5
10	PI2 BPSK	25	14	22.98			24.0	0.0
10	PI2 BPSK	25	27	22.45			23.5	0.5
10	PI2 BPSK	50	0	22.43				
10	QPSK	1	1	23.07			24.0	0.0
10	QPSK	1	26	22.97				
10	QPSK	1	50	22.86				
10	QPSK	25	0	22.10			23.0	1.0
10	QPSK	25	14	23.03			24.0	0.0
10	QPSK	25	27	22.06			23.0	1.0
10	QPSK	50	0	22.10				
10	16QAM	1	1	22.06			23.0	1.0
10	64QAM	1	1	20.68			21.5	2.5
10	256QAM	1	1	18.56			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				750.5	793	795.5	24.0	0.0
5	QPSK	1	1	22.99	22.93	23.00	24.0	0.0

n25 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				374000	376500	379000		
Frequency (MHz)				1870	1892.5	1895		
40	PI2 BPSK	1	1	21.01	21.13	21.04	22.1	0.0
40	PI2 BPSK	1	108	20.93	20.89	20.86		
40	PI2 BPSK	1	214	20.92	21.01	20.84		
40	PI2 BPSK	108	0	21.07	21.06	20.95	22.1	0.0
40	PI2 BPSK	108	54	20.86	21.04	20.97	22.1	0.0
40	PI2 BPSK	108	108	20.93	21.00	20.86	22.1	0.0
40	PI2 BPSK	216	0	20.97	20.92	20.91		
40	QPSK	1	1	21.10	21.20	21.08	22.1	0.0
40	QPSK	1	108	21.05	21.13	20.91		
40	QPSK	1	214	21.05	21.17	21.07		
40	QPSK	108	0	20.79	20.80	20.75	22.1	0.0
40	QPSK	108	54	20.95	21.12	21.03	22.1	0.0
40	QPSK	108	108	20.83	20.75	20.76	22.1	0.0
40	QPSK	216	0	20.66	20.93	20.70		
40	16QAM	1	1	20.86	20.94	20.88	22.1	0.0
40	64QAM	1	1	20.23	20.38	20.22	21.5	0.6
40	256QAM	1	1	18.21	18.33	18.15	19.5	2.6
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1892.5	1897.5		
35	QPSK	1	1	21.03	21.11	21.03	22.1	0.0
Channel				373400	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1892.5	1900		
30	QPSK	1	1	21.03	21.11	21.03	22.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1892.5	1902.5		
25	QPSK	1	1	20.95	21.15	20.96	22.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1892.5	1905		
20	QPSK	1	1	20.96	21.05	20.93	22.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1892.5	1907.5		
15	QPSK	1	1	21.03	21.06	21.03	22.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1892.5	1910		
10	QPSK	1	1	20.96	21.08	20.94	22.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1892.5	1912.5		
5	QPSK	1	1	21.02	21.04	20.93	22.1	0.0

n26 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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.22	22.25	22.23	24.0	0.0
20	PI2 BPSK	1	53	22.19	22.18	22.14		
20	PI2 BPSK	1	104	22.10	22.14	22.09		
20	PI2 BPSK	50	0	21.69	21.76	21.70	23.5	0.5
20	PI2 BPSK	50	28	22.36	22.33	22.28	24.0	0.0
20	PI2 BPSK	50	56	21.76	21.77	21.73	23.5	0.5
20	PI2 BPSK	100	0	21.82	21.81	21.74		
20	QPSK	1	1	22.35	22.38	22.30	24.0	0.0
20	QPSK	1	53	22.17	22.24	22.16		
20	QPSK	1	104	22.16	22.16	22.06		
20	QPSK	50	0	21.33	21.39	21.38	23.0	1.0
20	QPSK	50	28	22.25	22.30	22.22	24.0	0.0
20	QPSK	50	56	21.26	21.35	21.34	23.0	1.0
20	QPSK	100	0	21.36	21.38	21.31		
20	16QAM	1	1	21.24	21.30	21.25	23.0	1.0
20	64QAM	1	1	19.89	19.90	19.93	21.5	2.5
20	256QAM	1	1	17.84	17.85	17.79	19.5	4.5
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.30	22.24	22.23	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816	831.5	844		
10	QPSK	1	1	22.31	22.22	22.24	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	1	22.32	22.33	22.23	24.0	0.0

n66 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				346000	349000	352000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	19.99	20.08	19.97	21.1	0.0	
40	PI2 BPSK	1	108	19.91	19.90	19.84			
40	PI2 BPSK	1	214	19.90	19.89	19.80			
40	PI2 BPSK	108	0	19.99	20.10	19.93	21.1	0.0	
40	PI2 BPSK	108	54	19.89	19.99	19.82	21.1	0.0	
40	PI2 BPSK	108	108	19.78	19.92	19.80	21.1	0.0	
40	PI2 BPSK	216	0	19.92	19.97	19.95			
40	QPSK	1	1	20.08	20.20	19.98	21.1	0.0	
40	QPSK	1	108	19.90	20.04	19.87			
40	QPSK	1	214	19.98	20.05	20.01			
40	QPSK	108	0	19.71	19.86	19.80	21.1	0.0	
40	QPSK	108	54	19.93	20.05	19.99	21.1	0.0	
40	QPSK	108	108	19.73	19.70	19.73	21.1	0.0	
40	QPSK	216	0	19.81	19.79	19.69			
40	16QAM	1	1	19.77	19.88	19.81	21.1	0.0	
40	64QAM	1	1	19.77	19.91	19.87	21.1	0.0	
40	256QAM	1	1	18.16	18.11	17.97	19.5	1.6	
Channel				345500	349000	352500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	19.98	20.12	19.89	21.1	0.0	
Channel				345000	349000	353000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.98	20.12	19.89	21.1	0.0	
Channel				344500	349000	353500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.95	20.10	19.94	21.1	0.0	
Channel				344000	349000	354000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.97	20.08	19.89	21.1	0.0	
Channel				343500	349000	354500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.94	20.12	19.84	21.1	0.0	
Channel				343000	349000	355000	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.98	20.15	19.90	21.1	0.0	
Channel				342500	349000	355500	Tune-up limit (dbm)	MPR (db)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	20.02	20.07	19.86	21.1	0.0	

n70 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidB Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				340500				
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	20.47			21.7	0.0
15	PI2 BPSK	1	40	20.32				
15	PI2 BPSK	1	77	20.31				
15	PI2 BPSK	36	0	20.49			21.7	0.0
15	PI2 BPSK	36	22	20.39			21.7	0.0
15	PI2 BPSK	36	43	20.38			21.7	0.0
15	PI2 BPSK	75	0	20.32				
15	QPSK	1	1	20.58			21.7	0.0
15	QPSK	1	40	20.48				
15	QPSK	1	77	20.55				
15	QPSK	36	0	20.25			21.7	0.0
15	QPSK	36	22	20.41			21.7	0.0
15	QPSK	36	43	20.15				
15	QPSK	75	0	20.21				
15	16QAM	1	1	20.36			21.7	0.0
15	64QAM	1	1	20.20			21.7	0.0
15	256QAM	1	1	18.40			20.0	1.7
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	20.53	20.53	20.50	21.7	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	20.47	20.42	20.43	21.7	0.0

n71 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power MidB Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				136100				
Frequency (MHz)				680.5				
35	PI2 BPSK	1	1	23.13			24.0	0.0
35	PI2 BPSK	1	92	23.00				
35	PI2 BPSK	1	184	22.99				
35	PI2 BPSK	94	0	22.99			23.5	0.5
35	PI2 BPSK	94	47	23.20			24.0	0.0
35	PI2 BPSK	94	94	22.57			23.5	0.5
35	PI2 BPSK	188	0	22.58				
35	QPSK	1	1	23.21			24.0	0.0
35	QPSK	1	92	23.02				
35	QPSK	1	184	22.92				
35	QPSK	94	0	22.21			23.0	1.0
35	QPSK	94	47	23.10			24.0	0.0
35	QPSK	94	94	22.10			23.0	1.0
35	QPSK	188	0	22.19				
35	16QAM	1	1	22.10			23.0	1.0
35	64QAM	1	1	20.78			21.5	2.5
35	256QAM	1	1	18.70			19.5	4.5
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				678	680.5	683		
30	QPSK	1	1	23.04	23.04	23.11	24.0	0.0
Channel				135100	136100	137100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				675.5	680.5	685.5		
25	QPSK	1	1	23.12	23.07	23.08	24.0	0.0
Channel				134600	136100	137600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	23.11	23.12	23.06	24.0	0.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	695.5		
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.11	23.10	23.16	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	QPSK	1	1	23.08	23.08	23.10	24.0	0.0

n38 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				516004	519000	519996	20.8	0.0			
Frequency (MHz)				2590.02	2595	2599.98					
40	PI2 BPSK	1	1	19.49	19.57	19.50	20.8	0.0			
40	PI2 BPSK	1	53	19.33	19.36	19.25					
40	PI2 BPSK	1	104	19.33	19.40	19.24	20.8	0.0			
40	PI2 BPSK	50	0	19.49	19.59	19.32					
40	PI2 BPSK	50	28	19.32	19.40	19.28	20.8	0.0			
40	PI2 BPSK	50	56	19.33	19.48	19.38					
40	PI2 BPSK	100	0	19.35	19.35	19.37	20.8	0.0			
40	QPSK	1	1	19.55	19.68	19.45					
40	QPSK	1	53	19.38	19.55	19.30	20.8	0.0			
40	QPSK	1	104	19.46	19.47	19.36					
40	QPSK	50	0	19.13	19.28	19.29	20.8	0.0			
40	QPSK	50	28	19.30	19.52	19.37					
40	QPSK	50	56	19.20	19.23	19.14	20.8	0.0			
40	QPSK	100	0	19.10	19.24	19.16					
40	16QAM	1	1	19.26	19.32	19.23	20.8	0.0			
40	64QAM	1	1	19.27	19.22	19.23					
40	256QAM	1	1	19.25	19.34	19.21	20.8	0.0			
Channel				517002	519000	520998					
Frequency (MHz)				2595.01	2595	2604.99	Tune-up limit (dBm)				
30	QPSK	1	1	19.44	19.53	19.36	20.8				
Channel				516504	519000	521496	Tune-up limit (dBm)				
Frequency (MHz)				2592.52	2595	2607.48	20.8				
25	QPSK	1	1	19.42	19.52	19.39	20.8				
Channel				516000	519000	522000	Tune-up limit (dBm)				
Frequency (MHz)				2580	2595	2610	20.8				
20	QPSK	1	1	19.47	19.61	19.37	20.8				
Channel				515502	519000	522498	Tune-up limit (dBm)				
Frequency (MHz)				2577.51	2595	2612.49	20.8				
15	QPSK	1	1	19.48	19.56	19.35	20.8				
Channel				515004	519000	522998	Tune-up limit (dBm)				
Frequency (MHz)				2575.02	2595	2614.98	20.8				
10	QPSK	1	1	19.48	19.53	19.37	20.8				

n41 PC2 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				506002	518998	520000	20.8	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	19.57	19.62	19.55	20.8	0.0	
100	PI2 BPSK	1	137	19.48	19.47	19.38			
100	PI2 BPSK	1	271	19.46	19.53	19.29	20.8	0.0	
100	PI2 BPSK	135	0	19.81	19.85	19.40			
100	PI2 BPSK	135	69	19.37	19.48	19.39	20.8	0.0	
100	PI2 BPSK	135	138	19.44	19.57	19.43			
100	PI2 BPSK	270	0	19.39	19.50	19.44	20.8	0.0	
100	QPSK	1	1	19.66	19.74	19.55			
100	QPSK	1	137	19.52	19.63	19.41	20.8	0.0	
100	QPSK	1	271	19.54	19.62	19.50			
100	QPSK	135	0	19.28	19.40	19.34	20.8	0.0	
100	QPSK	135	69	19.43	19.61	19.48			
100	QPSK	135	138	19.31	19.32	19.27	20.8	0.0	
100	QPSK	270	0	19.12	19.38	19.28			
100	16QAM	1	1	19.34	19.45	19.32	20.8	0.0	
100	64QAM	1	1	19.39	19.36	19.31			
100	256QAM	1	1	19.40	19.43	19.36	20.8	0.0	
Channel				506000	518998	520998			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)		
90	QPSK	1	1	19.53	19.62	19.43	20.8		
Channel				507204	518998	520998	Tune-up limit (dBm)		
Frequency (MHz)				2530.02	2592.99	2649.99	20.8		
80	QPSK	1	1	19.57	19.62	19.40	20.8		
Channel				506002	518998	521000	Tune-up limit (dBm)		
Frequency (MHz)				2531.01	2592.99	2655	20.8		
70	QPSK	1	1	19.61	19.63	19.49	20.8		
Channel				505200	518998	521998	Tune-up limit (dBm)		
Frequency (MHz)				2524	2592.99	2659.98	20.8		
60	QPSK	1	1	19.50	19.69	19.45	20.8		
Channel				504204	518998	522998	Tune-up limit (dBm)		
Frequency (MHz)				2521.02	2592.99	2664.99	20.8		
50	QPSK	1	1	19.52	19.61	19.44	20.8		
Channel				503700	518998	523498	Tune-up limit (dBm)		
Frequency (MHz)				2518.5	2592.99	2667.48	0.0		
45	QPSK	1	1	19.58	19.62	19.42	0.0		
Channel				503202	518998	524000	Tune-up limit (dBm)		
Frequency (MHz)				2513.01	2592.99	2670	20.8		
40	QPSK	1	1	19.52	19.62	19.49	20.8		
Channel				502704	518998	524498	Tune-up limit (dBm)		
Frequency (MHz)				2513.52	2592.99	2672.49	0.0		
35	QPSK	1	1	19.58	19.69	19.48	0.0		
Channel				502200	518998	524998	Tune-up limit (dBm)		
Frequency (MHz)				2511	2592.99	2674.98	20.8		
30	QPSK	1	1	19.60	19.68	19.46	20.8		
Channel				501702	518998	525500	Tune-up limit (dBm)		
Frequency (MHz)				2508.51	2592.99	2677.5	0.0		
25	QPSK	1	1	19.52	19.62	19.45	0.0		
Channel				501204	518998	525998	Tune-up limit (dBm)		
Frequency (MHz)				2506.02	2592.99	2679.99	20.8		
20	QPSK	1	1	19.57	19.69	19.40	20.8		
Channel				500700	518998	526498	Tune-up limit (dBm)		
Frequency (MHz)				2503.5	2592.99	2682.49	20.8		
15	QPSK	1	1	19.54	19.58	19.43	20.8		
Channel				500202	518998	527000	Tune-up limit (dBm)		
Frequency (MHz)				2501.01	2592.99	2685	20.8		
10	QPSK	1	1	19.52	19.62	19.40	20.8		



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)								
40	PI2 BPSK	1	1	19.54	19.56	19.47		
40	PI2 BPSK	1	108	19.43	19.40	19.33	20.6	0.0
40	PI2 BPSK	1	214	19.39	19.50	19.21		
40	PI2 BPSK	108	0	19.54	19.51	19.40	20.6	0.0
40	PI2 BPSK	108	54	19.40	19.41	19.37	20.6	0.0
40	PI2 BPSK	108	108	19.29	19.40	19.29	20.6	0.0
40	PI2 BPSK	216	0	19.41	19.44	19.41	20.6	0.0
40	QPSK	1	1	19.54	19.69	19.54		
40	QPSK	1	108	19.46	19.56	19.41	20.6	0.0
40	QPSK	1	214	19.39	19.55	19.43		
40	QPSK	108	0	19.18	19.36	19.21	20.6	0.0
40	QPSK	108	54	19.38	19.57	19.44	20.6	0.0
40	QPSK	108	108	19.29	19.20	19.28	20.6	0.0
40	QPSK	216	0	19.13	19.32	19.25		
40	16QAM	1	1	19.28	19.40	19.26	20.6	0.0
40	64QAM	1	1	19.34	19.36	19.20	20.6	0.0
40	256QAM	1	1	18.12	18.06	18.01	19.5	1.1
Channel								
Frequency (MHz)								
35	QPSK	1	1	19.44	19.59	19.38	20.6	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.38	19.57	19.49	20.6	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.44	19.57	19.43	20.6	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.40	19.61	19.43	20.6	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.42	19.60	19.46	20.6	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.46	19.62	19.45	20.6	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	19.40	19.56	19.47	20.6	0.0

n5 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 167500	Power Middle Ch. / Freq. 167500	Power High Ch. / Freq. 167600	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
20	PI2 BPSK	1	1	22.89	23.00	22.91		
20	PI2 BPSK	1	67	22.93	22.96	22.92	24.0	0.0
20	PI2 BPSK	1	131	22.89	22.91	22.89		
20	PI2 BPSK	64	0	22.48	22.58	22.52	23.5	0.5
20	PI2 BPSK	64	35	23.07	23.08	23.07	24.0	0.0
20	PI2 BPSK	64	69	22.44	22.52	22.54	23.5	0.5
20	PI2 BPSK	128	0	22.45	22.55	22.47		
20	QPSK	1	1	23.06	23.11	23.04		
20	QPSK	1	67	22.92	22.95	22.98		
20	QPSK	1	131	22.85	22.86	22.83		
20	QPSK	64	0	22.10	22.15	22.11	23.0	1.0
20	QPSK	64	35	22.87	22.97	22.86	24.0	0.0
20	QPSK	64	69	22.03	22.01	22.09	23.0	1.0
20	QPSK	128	0	22.04	22.05	22.04		
20	16QAM	1	1	21.97	22.06	21.97	23.0	1.0
20	64QAM	1	1	20.57	20.61	20.59	21.5	2.5
20	256QAM	1	1	18.61	18.67	18.57	19.5	4.5
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	23.04	22.89	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.94	22.96	22.89	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.92	23.05	22.97	24.0	0.0

n12 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)								
15	PI2 BPSK	1	1	22.89	23.05	22.87		
15	PI2 BPSK	1	40	22.78	22.99	22.79	24.0	0.0
15	PI2 BPSK	1	77	22.78	22.82	22.78		
15	PI2 BPSK	36	0	22.45	22.56	22.44	23.5	0.5
15	PI2 BPSK	36	22	22.93	23.12	22.97	24.0	0.0
15	PI2 BPSK	36	43	22.41	22.57	22.37		
15	PI2 BPSK	75	0	22.35	22.58	22.43	23.5	0.5
15	QPSK	1	1	22.95	23.16	23.03		
15	QPSK	1	40	22.86	23.03	22.86	24.0	0.0
15	QPSK	1	77	22.85	22.89	22.74		
15	QPSK	36	0	22.08	22.17	21.96	23.0	1.0
15	QPSK	36	22	22.85	22.99	22.86	24.0	0.0
15	QPSK	36	43	21.96	22.08	21.98	23.0	1.0
15	QPSK	75	0	21.98	22.05	21.95	23.0	1.0
15	16QAM	1	1	21.91	22.05	21.90	23.0	1.0
15	64QAM	1	1	20.56	20.67	20.57	21.5	2.5
15	256QAM	1	1	18.50	18.63	18.52	19.5	4.5
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.89	23.01	22.90	24.0	0.0
Channel								
Frequency (MHz)								
5	QPSK	1	1	22.89	23.08	22.89	24.0	0.0



n14 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				156900				
Frequency (MHz)				763				
10	PI/2 BPSK	1	1	23.02			24.0	0.0
10	PI/2 BPSK	1	26	22.96				
10	PI/2 BPSK	1	50	22.92				
10	PI/2 BPSK	25	0	22.62			23.5	0.5
10	PI/2 BPSK	25	14	23.12			24.0	0.0
10	PI/2 BPSK	25	27	22.48			23.5	0.5
10	PI/2 BPSK	50	0	22.48				
10	QPSK	1	1	23.17			24.0	0.0
10	QPSK	1	26	23.02				
10	QPSK	1	50	22.91				
10	QPSK	25	0	22.18			23.0	1.0
10	QPSK	25	14	23.02			24.0	0.0
10	QPSK	25	27	22.12			23.0	1.0
10	QPSK	50	0	22.07				
10	16QAM	1	1	22.03			23.0	1.0
10	64QAM	1	1	20.69			21.5	2.5
10	256QAM	1	1	18.07			19.5	4.5
Channel				150/100	150/100		Tune-up limit (dB)	MPR
Frequency (MHz)				750.5	763	796.5		
5	QPSK	1	1	23.09	23.07	23.00	24.0	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		376500	379000	
Frequency (MHz)				1670		1682.5	1695	
40	PI/2 BPSK	1	1	19.48	19.55	19.46	20.6	0.0
40	PI/2 BPSK	1	108	19.35	19.48	19.32		
40	PI/2 BPSK	1	214	19.38	19.50	19.31		
40	PI/2 BPSK	108	0	19.51	19.53	19.42	20.6	0.0
40	PI/2 BPSK	108	54	19.32	19.46	19.43	20.6	0.0
40	PI/2 BPSK	108	108	19.27	19.47	19.38	20.6	0.0
40	PI/2 BPSK	216	0	19.41	19.48	19.38		
40	QPSK	1	1	19.62	19.68	19.53	20.6	0.0
40	QPSK	1	108	19.49	19.52	19.40		
40	QPSK	1	214	19.49	19.56	19.52		
40	QPSK	108	0	19.18	19.33	19.26	20.6	0.0
40	QPSK	108	54	19.36	19.49	19.42	20.6	0.0
40	QPSK	108	108	19.30	19.17	19.24	20.6	0.0
40	QPSK	216	0	19.11	19.26	19.17		
40	16QAM	1	1	19.32	19.47	19.25	20.6	0.0
40	64QAM	1	1	19.28	19.34	19.18	20.6	0.0
40	256QAM	1	1	18.01	18.11	18.09	19.5	1.1
Channel				372500	374000	375500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1687.5	1682.5	1687.5		
35	QPSK	1	1	19.48	19.57	19.44	20.6	0.0
Channel				375000	376500	380000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1665	1682.5	1690		
30	QPSK	1	1	19.48	19.57	19.44	20.6	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1672.5	1672.5	1672.5		
25	QPSK	1	1	19.51	19.58	19.46	20.6	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1660	1682.5	1695		
20	QPSK	1	1	19.48	19.59	19.37	20.6	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1657.5	1682.5	1697.5		
15	QPSK	1	1	19.50	19.56	19.45	20.6	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1645	1682.5	1690		
10	QPSK	1	1	19.56	19.64	19.40	20.6	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1632.5	1682.5	1672.5		
5	QPSK	1	1	19.49	19.63	19.42	20.6	0.0

n26 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				164800		166300	167800	
Frequency (MHz)				824		831.5	839	
20	PI/2 BPSK	1	1	22.81	23.05	22.99	24.0	0.0
20	PI/2 BPSK	1	53	22.67	22.92	22.97		
20	PI/2 BPSK	1	104	22.73	22.87	22.90		
20	PI/2 BPSK	50	0	22.34	22.55	22.51	23.5	0.5
20	PI/2 BPSK	50	26	22.83	23.13	23.09	24.0	0.0
20	PI/2 BPSK	50	56	22.29	22.57	22.50	23.5	0.5
20	PI/2 BPSK	100	0	22.31	22.48	22.53		
20	QPSK	1	1	22.84	23.14	23.05	24.0	0.0
20	QPSK	1	53	22.74	22.89	22.96		
20	QPSK	1	104	22.68	22.85	22.94		
20	QPSK	50	0	21.88	22.08	22.11	23.0	1.0
20	QPSK	50	26	22.70	23.03	22.91	24.0	0.0
20	QPSK	50	56	21.80	22.12	22.06	23.0	1.0
20	QPSK	100	0	21.92	22.13	22.05		
20	16QAM	1	1	21.85	22.03	22.02	23.0	1.0
20	64QAM	1	1	20.42	20.75	20.72	21.5	2.5
20	256QAM	1	1	18.37	18.62	18.64	19.5	4.5
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.72	23.01	22.92	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				816	831.5	844		
10	QPSK	1	1	22.69	22.99	22.89	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				811.5	811.5	811.5		
5	QPSK	1	1	22.76	23.01	22.97	24.0	0.0



n30 Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				2310			
10	PQ2 BPSK	1	1	22.44			
10	PQ2 BPSK	1	26	22.60			24.0
10	PQ2 BPSK	1	50	22.84			
10	PQ2 BPSK	25	0	22.17			23.5
10	PQ2 BPSK	25	14	22.67			24.0
10	PQ2 BPSK	25	27	22.14			
10	PQ2 BPSK	50	0	22.15			23.5
10	QPSK	1	1	22.78			
10	QPSK	1	26	22.58			24.0
10	QPSK	1	50	22.51			
10	QPSK	25	0	21.76			23.0
10	QPSK	25	14	22.58			24.0
10	QPSK	25	27	21.69			
10	QPSK	50	0	21.65			23.0
10	16QAM	1	1	21.63			23.0
10	64QAM	1	1	20.32			21.5
10	256QAM	1	1	18.33			19.5
Channel				461500	462000		
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	1	22.72	22.72	22.68	24.0

n66 Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				346000	346000	352000	
Frequency (MHz)				1720	1745	1760	
40	PQ2 BPSK	1	1	19.37	19.34	19.28	
40	PQ2 BPSK	1	108	19.24	19.28	19.24	20.5
40	PQ2 BPSK	1	214	19.20	19.33	19.12	
40	PQ2 BPSK	108	0	19.42	19.45	19.19	20.5
40	PQ2 BPSK	108	54	19.23	19.35	19.20	20.5
40	PQ2 BPSK	108	108	19.20	19.37	19.19	
40	PQ2 BPSK	216	0	19.25	19.24	19.20	20.5
40	QPSK	1	1	19.42	19.52	19.34	
40	QPSK	1	108	19.31	19.39	19.27	20.5
40	QPSK	1	214	19.25	19.35	19.26	
40	QPSK	108	0	19.06	19.17	19.09	20.5
40	QPSK	108	54	19.22	19.39	19.29	20.5
40	QPSK	108	108	19.15	19.03	19.12	20.5
40	QPSK	216	0	19.07	19.11	19.05	
40	16QAM	1	1	19.15	19.26	19.10	20.5
40	64QAM	1	1	19.11	19.23	19.06	20.5
40	256QAM	1	1	18.03	18.47	18.20	19.5
Channel				345500	346000	352000	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	19.38	19.47	19.21	20.5
Channel				345000	346000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	19.38	19.47	19.21	20.5
Channel				344000	346000	355000	
Frequency (MHz)				1722.5	1745	1777.5	
25	QPSK	1	1	19.32	19.46	19.22	20.5
Channel				344000	346000	356000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	19.29	19.43	19.21	20.5
Channel				343000	346000	356500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	19.29	19.40	19.20	20.5
Channel				343000	346000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	19.28	19.44	19.21	20.5
Channel				342000	346000	355000	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	19.35	19.43	19.27	20.5

n70 Ant 1							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				340000	340000	345000	
Frequency (MHz)				1700	1700	1705	
15	PQ2 BPSK	1	1				
15	PQ2 BPSK	1	40				21.3
15	PQ2 BPSK	1	77				
15	PQ2 BPSK	36	0				21.3
15	PQ2 BPSK	36	22				21.3
15	PQ2 BPSK	36	43				21.3
15	PQ2 BPSK	75	0				
15	QPSK	1	1				21.3
15	QPSK	1	40				
15	QPSK	1	77				
15	QPSK	36	0				21.3
15	QPSK	36	22				21.3
15	QPSK	36	43				21.3
15	QPSK	75	0				
15	16QAM	1	1				21.3
15	64QAM	1	1				21.3
15	256QAM	1	1				20.5
Channel				340000	340000	341000	
Frequency (MHz)				1700	1702.5	1705	
10	QPSK	1	1	19.74	19.77	19.76	21.3
Channel				339500	340000	341500	
Frequency (MHz)				1697.5	1702.5	1707.5	
5	QPSK	1	1	19.74	19.80	19.71	21.3

n71 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							Tune-up limit (dBm)
Frequency (MHz)					680.5		MFR (dB)
35	PQ2 BPSK	1	1		23.25		24.0
35	PQ2 BPSK	1	92		23.18		
35	PQ2 BPSK	1	184		23.14		
35	PQ2 BPSK	94	0		22.79		23.5
35	PQ2 BPSK	94	47		23.24		24.0
35	PQ2 BPSK	94	94		22.77		23.5
35	PQ2 BPSK	188	0		22.74		
35	PQ2 BPSK	188	0		22.74		
35	QPSK	1	1		23.29		24.0
35	QPSK	1	92		23.21		
35	QPSK	1	184		23.11		
35	QPSK	94	0		22.28		23.0
35	QPSK	94	47		23.23		24.0
35	QPSK	94	94		22.28		23.0
35	QPSK	188	0		22.31		23.0
35	16QAM	1	1		22.22		
35	16QAM	1	1		22.22		
35	64QAM	1	1		20.91		21.5
35	256QAM	1	1		18.88		19.5
Channel				136500	136500	136500	Tune-up limit
Frequency (MHz)				678	680.5	683	MFR
30	QPSK	1	1	23.09	23.14	23.17	24.0
Channel				135100	136100	137100	Tune-up limit
Frequency (MHz)				678.5	680.5	682.5	MFR
25	QPSK	1	1	23.01	23.16	23.18	24.0
Channel				134000	136100	137600	Tune-up limit
Frequency (MHz)				672	680.5	688	MFR
20	QPSK	1	1	23.01	23.14	23.19	24.0
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	695.5	MFR
15	QPSK	1	1	23.05	23.12	23.13	24.0
Channel				133500	136100	139100	Tune-up limit
Frequency (MHz)				668	680.5	693	MFR
10	QPSK	1	1	23.09	23.14	23.08	24.0
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	MFR
5	QPSK	1	1	23.02	23.13	23.14	24.0

n38 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				516004	519000	519996	21.5	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.13	20.10	20.08	21.5	0.0
40	PI/2 BPSK	1	53	20.05	20.16	20.02		
40	PI/2 BPSK	1	104	20.01	20.00	19.96	21.5	0.0
40	PI/2 BPSK	50	0	20.21	20.19	20.11		
40	PI/2 BPSK	50	28	20.00	20.00	20.01	21.5	0.0
40	PI/2 BPSK	50	56	19.89	20.10	19.94		
40	PI/2 BPSK	100	0	19.97	20.08	19.97	21.5	0.0
40	QPSK	1	1	20.20	20.34	20.16		
40	QPSK	1	53	20.02	20.13	20.04	21.5	0.0
40	QPSK	1	104	20.12	20.20	20.11		
40	QPSK	50	0	19.87	19.87	19.93	21.5	0.0
40	QPSK	50	28	20.02	20.15	20.12		
40	QPSK	80	56	19.86	19.84	19.89	21.5	0.0
40	QPSK	100	0	19.83	20.08	19.81		
40	16QAM	1	1	19.97	20.14	19.84	21.5	0.0
40	64QAM	1	1	19.89	20.00	19.86		
40	256QAM	1	1	19.91	20.09	19.80	21.5	0.0
Channel				517002	519000	520998		
Frequency (MHz)				2585.01	2595	2604.99	21.5	0.0
30	QPSK	1	1	20.14	20.21	20.06		
Channel				516504	519000	521496	21.5	MPR
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	20.09	20.28	20.06	21.5	0.0
Channel				516000	519000	522000		
Frequency (MHz)				2580	2595	2610	21.5	0.0
20	QPSK	1	1	20.09	20.28	20.04		
Channel				515502	519000	524998	21.5	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.11	20.26	20.06	21.5	0.0
Channel				515004	519000	525998		
Frequency (MHz)				2575.02	2595	2614.98	21.5	0.0
10	QPSK	1	1	20.07	20.26	20.12		

n41 PC2 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				502002	518998	520000	21.5	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.29	20.23	20.18	21.5	0.0
100	PI/2 BPSK	1	137	20.10	20.20	20.07		
100	PI/2 BPSK	1	271	20.07	20.12	20.07	21.5	0.0
100	PI/2 BPSK	135	0	20.31	20.27	20.16		
100	PI/2 BPSK	135	69	20.11	20.15	20.09	21.5	0.0
100	PI/2 BPSK	135	138	20.02	20.24	20.06		
100	PI/2 BPSK	270	0	20.09	20.22	20.11	21.5	0.0
100	QPSK	1	1	20.30	20.42	20.30		
100	QPSK	1	137	20.17	20.27	20.08	21.5	0.0
100	QPSK	1	271	20.18	20.27	20.25		
100	QPSK	135	0	20.00	20.03	20.01	21.5	0.0
100	QPSK	135	69	20.13	20.27	20.19		
100	QPSK	135	138	20.00	19.85	20.01	21.5	0.0
100	QPSK	270	0	19.87	20.14	19.84		
100	16QAM	1	1	20.01	20.19	19.88	21.5	0.0
100	64QAM	1	1	20.02	20.05	19.95		
100	256QAM	1	1	20.01	20.19	19.95	21.5	0.0
Channel				502002	518998	520000		
Frequency (MHz)				2541	2592.99	2644.98	21.5	MPR
90	QPSK	1	1	20.26	20.37	20.14		
Channel				507204	518998	529998	21.5	MPR
Frequency (MHz)				2530.02	2592.99	2649.99		
80	QPSK	1	1	20.14	20.27	20.15	21.5	0.0
Channel				506002	518998	531000		
Frequency (MHz)				2531.01	2592.99	2665	21.5	MPR
70	QPSK	1	1	20.20	20.37	20.17		
Channel				505200	518998	531998	21.5	MPR
Frequency (MHz)				2524	2592.99	2669.98		
60	QPSK	1	1	20.24	20.34	20.26	21.5	0.0
Channel				504204	518998	532998		
Frequency (MHz)				2521.02	2592.99	2664.99	21.5	MPR
50	QPSK	1	1	20.21	20.27	20.22		
Channel				503200	518998	533998	21.5	MPR
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.14	20.28	20.16	21.5	0.0
Channel				503202	518998	534000		
Frequency (MHz)				2513.01	2592.99	2670	21.5	0.0
40	QPSK	1	1	20.24	20.38	20.26		
Channel				502704	518998	534498	21.5	MPR
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.25	20.27	20.14	21.5	0.0
Channel				502200	518998	534998		
Frequency (MHz)				2511	2592.99	2674.98	21.5	MPR
30	QPSK	1	1	20.18	20.26	20.24		
Channel				501702	518998	535500	21.5	MPR
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.20	20.32	20.15	21.5	0.0
Channel				501204	518998	535998		
Frequency (MHz)				2506.02	2592.99	2679.99	21.5	0.0
20	QPSK	1	1	20.17	20.27	20.25		
Channel				500700	518998	536498	21.5	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.10	20.27	20.22	21.5	0.0
Channel				500202	518998	537000		
Frequency (MHz)				2501.01	2592.99	2685	21.5	MPR
10	QPSK	1	1	20.22	20.30	20.25		

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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				505000	507000	509000	23.1	0.0	
Frequency (MHz)				2525	2535	2545			
50	PI/2 BPSK	1	1	21.79	21.74	21.69	23.1	0.0	
50	PI/2 BPSK	1	135	21.59	21.73	21.56			
50	PI/2 BPSK	1	268	21.60	21.71	21.46	23.1	0.0	
50	PI/2 BPSK	135	0	21.72	21.82	21.62			
50	PI/2 BPSK	135	68	21.63	21.70	21.58	23.1	0.0	
50	PI/2 BPSK	135	135	21.56	21.70	21.57			
50	PI/2 BPSK	270	0	21.62	21.68	21.58	23.1	0.0	
50	QPSK	1	1	21.67	21.68	21.69			
50	QPSK	1	135	21.72	21.82	21.62	23.1	0.0	
50	QPSK	1	268	21.72	21.66	21.66			
50	QPSK	135	0	21.47	21.56	21.45	23.1	0.0	
50	QPSK	135	68	21.57	21.74	21.73			
50	QPSK	135	135	21.44	21.52	21.54	23.1	0.0	
50	QPSK	270	0	21.35	21.53	21.42			
50	16QAM	1	1	21.51	21.66	21.50	23.1	0.0	
50	64QAM	1	1	20.06	20.42	19.95		1.5	
50	256QAM	1	1	18.01	18.30	17.92	19.6	3.5	
Channel				505000	507000	510000			
Frequency (MHz)				2525	2535	2550	23.1	0.0	
40	QPSK	1	1	21.75	21.75	21.60			
Channel				503500	507000	510500	23.1	MPR	
Frequency (MHz)				2517.5	2535	2522.5			
35	QPSK	1	1	21.81	21.78	21.55	23.1	0.0	
Channel				503000	507000	511000			
Frequency (MHz)				2515	2535	2555	23.1	0.0	
30	QPSK	1	1	21.82	21.75	21.55			
Channel				502500	507000	511500	23.1	MPR	
Frequency (MHz)				2512.5	2535	2527.5			
25	QPSK	1	1	21.79	21.78	21.56	23.1	0.0	
Channel				502000	507000	512000			
Frequency (MHz)				2510	2535	2560	23.1	0.0	
20	PI/2 BPSK	1	1	21.73	21.61	21.59			
Channel				501500	507000	512500	23.1	MPR	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	21.82	21.81	21.61	23.1	0.0	
Channel				501000	507000	513000			
Frequency (MHz)				2506	2535	2563	23.1	0.0	
10	QPSK	1	1	21.77	21.76	21.62			
Channel				500500	507000	513500	23.1	MPR	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	21.82	21.82	21.55	23.1	0.0	
Channel				500000	507000	514000			

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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				460500	462500	464500	23.1	0.0	
Frequency (MHz)				2307.5	2310	2312.5			
10	PI/2 BPSK	1	1	20.86	20.86	20.86	22.2	0.0	
10	PI/2 BPSK	1	26	20.77	20.77	20.77			
10	PI/2 BPSK	1	50	20.82	20.82	20.82	22.2	0.0	
10	PI/2 BPSK	25	0	20.91	20.91	20.91			
10	PI/2 BPSK	25	14	20.80	20.80	20.80	22.2	0.0	
10	PI/2 BPSK	25	27	20.83	20.83	20.83			
10	PI/2 BPSK	50	0	20.72	20.72	20.72	22.2	0.0	
10	QPSK	1	1	21.06	21.06	21.06			
10	QPSK	1	26	20.94	20.94	20.94	22.2	0.0	
10	QPSK	1	50	20.98	20.98	20.98			
10	QPSK	25	0	20.63	20.63	20.63	22.2	0.0	
10	QPSK	25	14	20.64	20.64	20.64			
10	QPSK	25	27	20.63	20.63	20.63	22.2	0.0	
10	QPSK	50	0	20.52	20.52	20.52			
10	16QAM	1	1	20.74	20.74	20.74	22.2	0.0	
10	64QAM	1	1	20.70	20.70	20.70		22.2	
10	256QAM	1	1	18.95	18.95	18.95	20.2	2.0	
Channel				461500	462500	463500			
Frequency (MHz)				2307.5	2310	2312.5	22.2	0.0	
5	QPSK	1	1	20.90	20.89	20.82			



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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				516004	519000	519996		
Frequency (MHz)				2580.02	2595	2599.98		
40	PI2 BPSK	1	1	22.11	22.17	22.08	23.5	0.0
40	PI2 BPSK	1	53	21.96	21.93	21.84		
40	PI2 BPSK	1	104	21.94	21.99	21.88	23.5	0.0
40	PI2 BPSK	50	0	22.03	22.08	21.91		
40	PI2 BPSK	50	28	21.88	21.96	21.98	23.5	0.0
40	PI2 BPSK	50	56	21.79	21.99	21.93	23.5	0.0
40	PI2 BPSK	100	0	21.96	21.94	21.98	23.5	0.0
40	QPSK	1	1	22.17	22.27	21.98		
40	QPSK	1	53	22.07	22.15	21.90	23.5	0.0
40	QPSK	1	104	22.04	22.21	22.05		
40	QPSK	50	0	21.89	21.82	21.76	23.5	0.0
40	QPSK	50	28	21.86	22.10	22.04	23.5	0.0
40	QPSK	50	56	21.76	21.76	21.81	23.5	0.0
40	QPSK	100	0	21.73	21.85	21.69		
40	16QAM	1	1	21.86	21.93	21.80	23.5	0.0
40	64QAM	1	1	21.75	21.82	21.76	23.5	0.0
40	256QAM	1	1	21.62	21.57	21.17	23.0	0.5
Channel				517002	519000	520996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.05	22.22	21.92	23.5	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	22.05	22.13	21.84	23.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.02	22.13	21.91	23.5	0.0
Channel				515502	519000	522496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	22.09	22.12	21.89	23.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.09	22.20	21.62	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				509202	518598	520000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	22.20	22.24	22.13	23.5	0.0
100	PI2 BPSK	1	137	22.04	22.06	21.94		
100	PI2 BPSK	1	271	21.98	22.11	21.97	23.5	0.0
100	PI2 BPSK	135	0	22.18	22.23	22.00		
100	PI2 BPSK	135	69	22.00	22.05	22.03	23.5	0.0
100	PI2 BPSK	135	138	21.93	22.10	22.00	23.5	0.0
100	PI2 BPSK	270	0	22.07	22.07	22.03	23.5	0.0
100	QPSK	1	1	22.21	22.32	22.11		
100	QPSK	1	137	22.12	22.25	22.04	23.5	0.0
100	QPSK	1	271	22.10	22.25	22.16		
100	QPSK	135	0	21.83	21.95	21.89	23.5	0.0
100	QPSK	135	69	21.89	22.22	22.11	23.5	0.0
100	QPSK	135	138	21.86	21.86	21.95	23.5	0.0
100	QPSK	270	0	21.78	21.93	21.81		
100	16QAM	1	1	21.95	22.09	21.90	23.5	0.0
100	64QAM	1	1	21.80	21.96	21.88	23.5	0.0
100	256QAM	1	1	21.67	21.73	21.33	23.0	0.5
Channel				508200	518598	520596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.06	22.18	21.97	23.5	0.0
Channel				507204	518598	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2643.99		
80	QPSK	1	1	22.07	22.20	22.05	23.5	0.0
Channel				506202	518598	521000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.11	22.17	22.02	23.5	0.0
Channel				505200	518598	521596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2661.88		
60	QPSK	1	1	22.07	22.21	21.97	23.5	0.0
Channel				504204	518598	522598	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.08	22.20	21.98	23.5	0.0
Channel				503200	518598	523596	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.10	22.17	21.96	23.5	0.0
Channel				503202	518598	524000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.01	2592.99	2670		
40	QPSK	1	1	22.15	22.21	21.95	23.5	0.0
Channel				502704	518598	524498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.07	22.27	21.97	23.5	0.0
Channel				502200	518598	524996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.88		
30	QPSK	1	1	22.15	22.17	22.03	23.5	0.0
Channel				501702	518598	525500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.13	22.19	22.05	23.5	0.0
Channel				501204	518598	525996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.16	22.22	22.01	23.5	0.0
Channel				500700	518598	526496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.09	22.27	22.05	23.5	0.0
Channel				500202	518598	527000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.14	22.22	22.01	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				638800	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	17.92	17.93	17.84	19.1	0.0
40	PI2 BPSK	1	108	17.82	17.88	17.89		
40	PI2 BPSK	1	214	17.71	17.90	17.85	19.1	0.0
40	PI2 BPSK	108	0	17.98	17.95	17.74		
40	PI2 BPSK	108	54	17.77	17.80	17.73	19.1	0.0
40	PI2 BPSK	108	108	17.68	17.89	17.76	19.1	0.0
40	PI2 BPSK	216	0	17.76	17.89	17.75	19.1	0.0
40	QPSK	1	1	18.03	18.09	17.93		
40	QPSK	1	108	17.84	17.94	17.75	19.1	0.0
40	QPSK	1	214	17.85	18.01	17.89		
40	QPSK	108	0	17.62	17.68	17.69	19.1	0.0
40	QPSK	108	54	17.83	17.88	17.89	19.1	0.0
40	QPSK	108	108	17.64	17.81	17.68	19.1	0.0
40	QPSK	216	0	17.58	17.77	17.61		
40	16QAM	1	1	17.70	17.83	17.68	19.1	0.0
40	64QAM	1	1	17.62	17.76	17.65	19.1	0.0
40	256QAM	1	1	17.67	17.83	17.66	19.1	0.0
Channel				637802	641666	645556	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.82	17.88	17.77	19.1	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.82	17.91	17.77	19.1	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.79	17.96	17.76	19.1	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.86	17.87	17.82	19.1	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				633334			20.8	0.0
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1	19.92			20.8	0.0
100	PV2 BPSK	1	137	19.80				
100	PV2 BPSK	1	271	19.93			20.8	0.0
100	PV2 BPSK	135	6	19.93				
100	PV2 BPSK	135	69	19.86			20.8	0.0
100	PV2 BPSK	135	138	19.78				
100	PV2 BPSK	270	0	19.81			20.8	0.0
100	QPSK	1	1	19.99				
100	QPSK	1	137	19.98			20.8	0.0
100	QPSK	1	271	19.91				
100	QPSK	135	0	19.83			20.8	0.0
100	QPSK	135	69	19.89				
100	QPSK	135	138	19.58			20.8	0.0
100	QPSK	270	0	19.78				
100	16QAM	1	1	19.82			20.8	0.0
100	64QAM	1	1	19.74				
100	256QAM	1	1	19.75			20.8	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	Tune-up limit (dbm)	
90	QPSK	1	1	19.92	19.91	19.92	20.8	0.0
Channel				632668	633334	634000	Tune-up limit (dbm)	
Frequency (MHz)				3490.02	3500.01	3510	Tune-up limit (dbm)	
80	QPSK	1	1	19.93	19.90	19.92	20.8	0.0
Channel				632334	633334	634334	Tune-up limit (dbm)	
Frequency (MHz)				3485.01	3500.01	3515.01	Tune-up limit (dbm)	
70	QPSK	1	1	19.91	19.91	19.84	20.8	0.0
Channel				632000	633334	634668	Tune-up limit (dbm)	
Frequency (MHz)				3480	3500.01	3530.02	Tune-up limit (dbm)	
60	QPSK	1	1	19.90	19.91	19.94	20.8	0.0
Channel				631668	633334	635000	Tune-up limit (dbm)	
Frequency (MHz)				3475.02	3500.01	3525	Tune-up limit (dbm)	
50	QPSK	1	1	19.85	19.90	19.94	20.8	0.0
Channel				631334	633334	635334	Tune-up limit (dbm)	
Frequency (MHz)				3470.01	3500.01	3530.01	Tune-up limit (dbm)	
40	QPSK	1	1	19.92	19.93	19.84	20.8	0.0
Channel				631000	633334	635668	Tune-up limit (dbm)	
Frequency (MHz)				3465	3500.01	3532.02	Tune-up limit (dbm)	
30	QPSK	1	1	19.85	19.84	19.84	20.8	0.0
Channel				630668	633334	635834	Tune-up limit (dbm)	
Frequency (MHz)				3462.51	3500.01	3537.51	Tune-up limit (dbm)	
25	QPSK	1	1	19.89	19.94	19.92	20.8	0.0
Channel				630668	633334	636000	Tune-up limit (dbm)	
Frequency (MHz)				3460.02	3500.01	3540	Tune-up limit (dbm)	
20	QPSK	1	1	19.94	19.89	19.93	20.8	0.0
Channel				630500	633334	636168	Tune-up limit (dbm)	
Frequency (MHz)				3457.5	3500.01	3542.52	Tune-up limit (dbm)	
15	QPSK	1	1	19.94	19.93	19.87	20.8	0.0
Channel				630334	633334	636334	Tune-up limit (dbm)	
Frequency (MHz)				3455.01	3500.01	3545.01	Tune-up limit (dbm)	
10	QPSK	1	1	19.85	19.89	19.84	20.8	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				63000	64166	64532	20.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	19.00	18.97	18.90		
40	PI2 BPSK	1	108	18.83	18.88	18.76		
40	PI2 BPSK	1	214	18.79	18.84	18.71	20.0	0.0
40	PI2 BPSK	108	0	18.95	18.95	18.76		
40	PI2 BPSK	108	54	18.85	18.90	18.87		
40	PI2 BPSK	108	108	18.80	18.86	18.78		
40	PI2 BPSK	216	0	18.81	18.90	18.80	20.0	0.0
40	QPSK	1	1	19.07	19.11	19.00		
40	QPSK	1	108	18.82	19.01	18.87		
40	QPSK	1	214	18.94	19.09	18.96		
40	QPSK	108	0	18.71	18.70	18.66	20.0	0.0
40	QPSK	108	54	18.84	18.92	18.84	20.0	0.0
40	QPSK	108	108	18.66	18.71	18.76	20.0	0.0
40	QPSK	216	0	18.59	18.79	18.66		
40	16QAM	1	1	18.70	18.91	18.87		
40	64QAM	1	1	18.67	18.75	18.71		
40	256QAM	1	1	18.80	18.81	18.76	19.5	0.5
Channel				63768	64100	64568	20.0	MPR
Frequency (MHz)				3595.02	3624.99	3684.99		
30	QPSK	1	1	19.01	19.06	18.85		
Channel				637334	641666	646000	20.0	MPR
Frequency (MHz)				3590.01	3624.99	3690		
20	QPSK	1	1	18.97	19.02	18.93		
Channel				637168	641666	646166	20.0	MPR
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.00	19.02	18.89		
Channel				637000	641666	646332	20.0	MPR
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.02	18.98	18.88		

Part270 n77 PC2 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				65000	65000	65000	18.7	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.67	17.74	17.61		
100	PI2 BPSK	1	137	17.49	17.64	17.45		
100	PI2 BPSK	1	271	17.56	17.61	17.38	18.7	0.0
100	PI2 BPSK	135	0	17.64	17.69	17.55		
100	PI2 BPSK	135	69	17.47	17.63	17.52		
100	PI2 BPSK	135	138	17.50	17.63	17.53		
100	PI2 BPSK	270	0	17.51	17.59	17.53	18.7	0.0
100	QPSK	1	1	17.67	17.63	17.66		
100	QPSK	1	137	17.64	17.69	17.56		
100	QPSK	1	271	17.57	17.76	17.68		
100	QPSK	135	0	17.31	17.39	17.47	18.7	0.0
100	QPSK	135	69	17.48	17.68	17.54		
100	QPSK	135	138	17.42	17.33	17.40		
100	QPSK	270	0	17.26	17.45	17.35		
100	16QAM	1	1	17.47	17.56	17.50	18.7	0.0
100	64QAM	1	1	17.47	17.52	17.32		
100	256QAM	1	1	17.48	17.54	17.42		
Channel				648688	65000	662324	18.7	MPR
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.62	17.71	17.53		
Channel				649334	65000	662668	18.7	MPR
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.61	17.74	17.59		
Channel				649000	65000	663000	18.7	MPR
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.58	17.71	17.50		
Channel				648668	65000	663334	18.7	MPR
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.60	17.76	17.58		
Channel				648334	65000	663668	18.7	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.52	17.65	17.60		
Channel				648000	65000	664000	18.7	MPR
Frequency (MHz)				3713.02	3840	3955.01		
40	QPSK	1	1	17.54	17.71	17.54		
Channel				647668	65000	664334	18.7	MPR
Frequency (MHz)				3703.02	3840	3960.01		
30	QPSK	1	1	17.54	17.71	17.54		
Channel				647500	65000	664500	18.7	MPR
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.53	17.76	17.51		
Channel				647334	65000	664668	18.7	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.55	17.77	17.58		
Channel				647168	65000	664834	18.7	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.55	17.76	17.53		
Channel				647000	65000	665000	18.7	MPR
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.52	17.69	17.57		

Part270Q n77 PC2 Ant 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	3500.01		18.7	0.0
Frequency (MHz)								
100	PI2 BPSK	1	1		17.64			
100	PI2 BPSK	1	137		17.57			
100	PI2 BPSK	1	271		17.56		18.7	0.0
100	PI2 BPSK	135	0		17.87			
100	PI2 BPSK	135	69		17.66			
100	PI2 BPSK	135	138		17.64			
100	PI2 BPSK	270	0		17.55		18.7	0.0
100	QPSK	1	1		17.61			
100	QPSK	1	137		17.69			
100	QPSK	1	271		17.77			
100	QPSK	135	0		17.44		18.7	0.0
100	QPSK	135	69		17.67			
100	QPSK	135	138		17.34			
100	QPSK	270	0		17.54			
100	16QAM	1	1		17.52		18.7	0.0
100	64QAM	1	1		17.51			
100	256QAM	1	1		17.51			
Channel				633000	633334	633668	18.7	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.68	17.76	17.73		
Channel				632668	633334	634000	18.7	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.71	17.67	17.70		
Channel				632334	633334	634334	18.7	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.68	17.66	17.70		
Channel				632000	633334	634668	18.7	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.69	17.68	17.74		
Channel				631668	633334	635000	18.7	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.69	17.74	17.69		
Channel				631334	633334	635334	18.7	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.70	17.73	17.68		
Channel				631000	633334	635668	18.7	MPR
Frequency (MHz)				3465	3500.01	3533.02		
30	QPSK	1	1	17.74	17.70	17.76		
Channel				630668	633334	635834	18.7	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.72	17.74	17.65		
Channel				630668	633334	636000	18.7	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.74	17.77	17.72		
Channel				630500	633334	636168	18.7	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.73	17.68	17.69		
Channel				630334	633334	636334	18.7	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.69	17.72	17.68		

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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				650000	650000	650000	18.7	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	17.27			18.7	0.0
100	PI/2 BPSK	1	137	17.11				
100	PI/2 BPSK	1	271	17.12			18.7	0.0
100	PI/2 BPSK	135	0	17.27				
100	PI/2 BPSK	135	69	17.10			18.7	0.0
100	PI/2 BPSK	135	138	17.18				
100	PI/2 BPSK	270	0	17.09			18.7	0.0
100	QPSK	1	1	17.34				
100	QPSK	1	137	17.33			18.7	0.0
100	QPSK	1	271	17.26				
100	QPSK	135	0	16.98			18.7	0.0
100	QPSK	135	69	17.18				
100	QPSK	135	138	16.90			18.7	0.0
100	QPSK	270	0	17.08				
100	16QAM	1	1	17.15			18.7	0.0
100	64QAM	1	1	17.13				
100	256QAM	1	1	17.13			18.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.21	17.19	17.27	18.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.29	17.22	17.21	18.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.19	17.24	17.25	18.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	17.29	17.28	17.25	18.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.22	17.24	17.23	18.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.25	17.24	17.25	18.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.10	17.24	17.24	18.7	0.0
Channel				647000	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.19	17.18	17.28	18.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.19	17.28	17.24	18.7	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.25	17.25	17.28	18.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.20	17.19	17.30	18.7	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				633334			18.7	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	17.54			18.7	0.0
100	PI/2 BPSK	1	137	17.51				
100	PI/2 BPSK	1	271	17.43			18.7	0.0
100	PI/2 BPSK	135	0	17.59				
100	PI/2 BPSK	135	69	17.43			18.7	0.0
100	PI/2 BPSK	135	138	17.47				
100	PI/2 BPSK	270	0	17.46			18.7	0.0
100	QPSK	1	1	17.65				
100	QPSK	1	137	17.64			18.7	0.0
100	QPSK	1	271	17.60				
100	QPSK	135	0	17.34			18.7	0.0
100	QPSK	135	69	17.51				
100	QPSK	135	138	17.28			18.7	0.0
100	QPSK	270	0	17.30				
100	16QAM	1	1	17.47			18.7	0.0
100	64QAM	1	1	17.43				
100	256QAM	1	1	17.36			18.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.54	17.56	17.55	18.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.51	17.53	17.51	18.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.61	17.55	17.50	18.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.51	17.55	17.52	18.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.51	17.56	17.57	18.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.52	17.52	17.55	18.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.53	17.54	17.50	18.7	0.0
Channel				630668	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.57	17.60	17.51	18.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.50	17.53	17.58	18.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.58	17.60	17.51	18.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.59	17.52	17.59	18.7	0.0

n2 Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				374500	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	PI2 BPSK	1	1	23.01	23.09	22.92		24.0	0.0	
40	PI2 BPSK	1	108	22.97	23.10	22.91				
40	PI2 BPSK	1	214	22.94	22.96	22.83				
40	PI2 BPSK	108	0	22.83	22.82	22.48	23.5	0.5		
40	PI2 BPSK	108	54	23.08	23.12	23.01	24.0	0.0		
40	PI2 BPSK	108	108	22.80	22.87	22.46	23.5	0.5		
40	PI2 BPSK	216	0	22.54	22.82	22.47		24.0	0.0	
40	QPSK	1	1	23.15	23.21	23.02				
40	QPSK	1	108	22.97	23.06	22.92				
40	QPSK	1	214	23.00	22.97	22.80		23.0	1.0	
40	QPSK	108	0	22.12	22.24	22.04	23.0			
40	QPSK	108	54	23.08	23.09	22.85	24.0			
40	QPSK	108	108	22.08	22.12	22.02	23.0	1.0		
40	QPSK	216	0	22.08	22.14	22.01		23.0	1.0	
40	16QAM	1	1	22.06	22.18	22.00	23.0			
40	64QAM	1	1	20.77	20.75	20.58	21.5	2.5		
40	256QAM	1	1	18.72	18.73	18.58	19.5	4.5		
Channel				373300	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1880	1892.5				
35	QPSK	1	1	23.05	23.09	22.89	24.0	0.0		
Channel				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1903	1900	1905				
30	QPSK	1	1	23.02	23.06	22.93	24.0	0.0		
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	23.02	23.11	22.96	24.0	0.0		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	23.01	23.11	22.90	24.0	0.0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	23.05	23.14	22.93	24.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	23.08	23.13	22.91	24.0	0.0		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	23.06	23.08	22.87	24.0	0.0		

n25 Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 374000	Power Middle Ch. / Freq. 376500	Power High Ch. / Freq. 379000	Tune-up limit (dBm)	MPR (dB)		
Channel				1870	1882.5	1895				
Frequency (MHz)										
40	PI2 BPSK	1	1	23.04	23.08	23.01	24.0	0.0		
40	PI2 BPSK	1	108	22.98	23.04	22.93				
40	PI2 BPSK	1	214	22.95	23.06	22.90				
40	PI2 BPSK	108	0	22.50	22.58	22.49	23.5			0.5
40	PI2 BPSK	108	54	23.13	23.16	23.05	24.0			0.0
40	PI2 BPSK	108	108	22.50	22.58	22.49	23.5			0.5
40	PI2 BPSK	216	0	22.55	22.59	22.48				
40	QPSK	1	1	23.07	23.20	23.14	24.0	0.0		
40	QPSK	1	108	23.02	23.07	22.94				
40	QPSK	1	214	22.96	22.95	22.89				
40	QPSK	108	0	22.07	22.24	22.12	23.0	1.0		
40	QPSK	108	54	23.04	23.11	23.00	24.0	0.0		
40	QPSK	108	108	22.12	22.11	22.02	23.0	1.0		
40	QPSK	216	0	22.07	22.21	22.12				
40	16QAM	1	1	22.05	22.07	21.98	23.0	1.0		
40	64QAM	1	1	20.68	20.74	20.62	21.5	2.5		
40	256QAM	1	1	18.69	18.78	18.64	19.5	4.5		
Channel				373300	376500	379500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1882.5	1897.5				
35	QPSK	1	1	22.95	23.03	23.07	24.0	0.0		
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1905	1892.5	1900				
30	QPSK	1	1	22.95	23.03	23.07	24.0	0.0		
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1902.5				
25	QPSK	1	1	22.94	23.08	23.07	24.0	0.0		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1882.5	1905 <td></td> <td colspan="2"></td>				
20	QPSK	1	1	23.00	23.09	23.09	24.0	0.0		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1882.5	1907.5				
15	QPSK	1	1	22.90	23.09	23.08	24.0	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1882.5	1910				
10	QPSK	1	1	22.97	23.04	23.01	24.0	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1882.5	1912.5				
5	QPSK	1	1	22.98	23.05	23.02	24.0	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				345000	349000	353000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.76	23.07	22.63	24.0	0.0	
40	PI2 BPSK	1	108	22.71	22.97	22.53			
40	PI2 BPSK	1	214	22.72	22.97	22.55			
40	PI2 BPSK	108	0	22.40	22.56	22.18		23.5	0.5
40	PI2 BPSK	108	54	22.85	23.02	22.72	24.0	0.0	
40	PI2 BPSK	108	108	22.29	22.52	22.15	23.5	0.5	
40	PI2 BPSK	216	0	22.35	22.57	22.10	24.0	0.0	
40	QPSK	1	1	22.91	23.14	22.70			
40	QPSK	1	108	22.80	22.96	22.62			
40	QPSK	1	214	22.76	22.90	22.54			
40	QPSK	108	0	21.92	22.16	21.74	23.0	1.0	
40	QPSK	108	54	22.62	22.67	22.60	24.0	0.0	
40	QPSK	108	108	21.90	22.11	21.70	23.0	1.0	
40	QPSK	216	0	21.91	22.08	21.73	23.0	1.0	
40	16QAM	1	1	21.90	22.02	21.68			
40	64QAM	1	1	20.49	20.75	20.35			
40	256QAM	1	1	18.38	18.58	18.24		19.5	
Channel				345500	349000	352500	Tune-up limit (dBm)		
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)		
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)		
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0	
25	QPSK	1	1	22.85	23.03	22.55	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)		
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.79	23.07	22.58	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	22.83	23.09	22.58	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)		
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	22.81	22.98	22.54	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)		
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	22.86	22.97	22.57	24.0	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				340000	340000	340000	24.0	0.0	
Frequency (MHz)				1702.5	1702.5	1702.5			
15	PI/2 BPSK	1	1	23.09	23.09	23.09	24.0	0.0	
15	PI/2 BPSK	1	40	23.08	23.08	23.08			
15	PI/2 BPSK	1	77	23.05	23.05	23.05			
15	PI/2 BPSK	36	0	22.73	22.73	22.73		23.5	
15	PI/2 BPSK	36	22	23.17	23.17	23.17	24.0	0.0	
15	PI/2 BPSK	36	43	22.61	22.61	22.61	23.5	0.5	
15	PI/2 BPSK	75	0	22.60	22.60	22.60	24.0	0.0	
15	QPSK	1	1	23.27	23.27	23.27			
15	QPSK	1	40	23.14	23.14	23.14			
15	QPSK	1	77	23.04	23.04	23.04			
15	QPSK	36	0	22.29	22.29	22.29	23.0	1.0	
15	QPSK	36	22	23.06	23.06	23.06	24.0	0.0	
15	QPSK	36	43	22.21	22.21	22.21	23.0	1.0	
15	QPSK	75	0	22.18	22.18	22.18	23.0	1.0	
15	16QAM	1	1	22.14	22.14	22.14			
15	64QAM	1	1	20.78	20.78	20.78			
15	256QAM	1	1	18.80	18.80	18.80		19.5	
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	23.15	23.19	23.17	24.0	0.0	
Channel				339500	340000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	
5	QPSK	1	1	23.15	23.19	23.21	24.0	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				636000	641666	645332	23.0	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	21.63	21.88	21.68		
40	PI2 BPSK	1	108	21.58	21.84	21.60		
40	PI2 BPSK	1	214	21.60	21.73	21.62	22.5	0.5
40	PI2 BPSK	108	0	21.19	21.42	21.29		
40	PI2 BPSK	108	54	21.68	21.90	21.79	23.0	0.0
40	PI2 BPSK	108	108	21.18	21.38	21.17	22.5	0.5
40	PI2 BPSK	216	0	21.14	21.39	21.19		
40	QPSK	1	1	21.79	22.02	21.79	23.0	0.0
40	QPSK	1	108	21.66	21.81	21.68		
40	QPSK	1	214	21.59	21.75	21.56	22.0	1.0
40	QPSK	108	0	20.72	20.96	20.76		
40	QPSK	108	54	21.58	21.83	21.59	23.0	0.0
40	QPSK	108	108	20.72	20.94	20.77	22.0	1.0
40	QPSK	216	0	20.77	20.97	20.81		
40	16QAM	1	1	20.67	20.86	20.69	22.0	1.0
40	64QAM	1	1	19.35	19.55	19.38	20.5	2.5
40	256QAM	1	1	17.28	17.53	17.32	18.5	4.5
Channel				631668	641666	645068	23.0	MPR
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.64	21.90	21.86	23.0	0.0
Channel				637334	641666	646000	23.0	MPR
Frequency (MHz)				3590.01	3624.99	3690		
20	QPSK	1	1	21.63	21.89	21.84	23.0	0.0
Channel				637168	641666	646166	23.0	MPR
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.59	21.95	21.62	23.0	0.0
Channel				637000	641666	646332	23.0	MPR
Frequency (MHz)				3555	3624.99	3694.99		
10	QPSK	1	1	21.62	21.86	21.64	23.0	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				650000	650000	650000	21.6	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	20.30	20.35	20.19		
100	PI2 BPSK	1	137	20.25	20.24	20.18		
100	PI2 BPSK	1	271	20.15	20.26	20.08	21.6	0.0
100	PI2 BPSK	135	0	20.32	20.33	20.14		
100	PI2 BPSK	135	69	20.09	20.22	20.13	21.6	0.0
100	PI2 BPSK	135	138	20.10	20.25	20.13	21.6	0.0
100	PI2 BPSK	270	0	20.13	20.21	20.24		
100	QPSK	1	1	20.40	20.43	20.28	21.6	0.0
100	QPSK	1	137	20.20	20.40	20.20		
100	QPSK	1	271	20.30	20.33	20.31	21.0	0.0
100	QPSK	135	0	20.02	20.10	20.10		
100	QPSK	135	69	20.19	20.29	20.23	21.6	0.0
100	QPSK	135	138	19.99	20.03	20.02	21.6	0.0
100	QPSK	270	0	19.91	20.10	20.00		
100	16QAM	1	1	20.10	20.16	20.10	21.6	0.0
100	64QAM	1	1	20.03	20.18	19.96	21.6	0.0
100	256QAM	1	1	20.12	20.16	20.11	21.6	0.0
Channel				3745.02	3840	3935.01	21.6	MPR
Frequency (MHz)				648334	656000	662824		
90	QPSK	1	1	20.26	20.37	20.17	21.6	0.0
Channel				649334	656000	662668	21.6	MPR
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.31	20.33	20.13	21.6	0.0
Channel				649000	656000	663000	21.6	MPR
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.28	20.28	20.14	21.6	0.0
Channel				648668	656000	663334	21.6	MPR
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.35	20.34	20.16	21.6	0.0
Channel				648334	656000	663668	21.6	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.33	20.32	20.20	21.6	0.0
Channel				648000	656000	664000	21.6	MPR
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.25	20.32	20.19	21.6	0.0
Channel				647668	656000	664334	21.6	MPR
Frequency (MHz)				3713.02	3840	3953.01		
30	QPSK	1	1	20.26	20.35	20.17	21.6	0.0
Channel				647500	656000	664500	21.6	MPR
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.26	20.36	20.13	21.6	0.0
Channel				647334	656000	664668	21.6	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.30	20.29	20.22	21.6	0.0
Channel				647168	656000	664834	21.6	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.26	20.34	20.16	21.6	0.0
Channel				647000	656000	665000	21.6	MPR
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.33	20.28	20.18	21.6	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				633334	633334		21.6	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1		20.07				
100	PI2 BPSK	1	137		19.99				
100	PI2 BPSK	1	271		19.96				
100	PI2 BPSK	135	0		20.05		21.6	0.0	
100	PI2 BPSK	135	69		19.93		21.6	0.0	
100	PI2 BPSK	135	138		20.02		21.6	0.0	
100	PI2 BPSK	270	0		20.02		21.6	0.0	
100	QPSK	1	1		20.21		21.6	0.0	
100	QPSK	1	137		20.06				
100	QPSK	1	271		20.16		21.6	0.0	
100	QPSK	135	0		19.87				
100	QPSK	135	69		20.04		21.6	0.0	
100	QPSK	135	138		19.79		21.6	0.0	
100	QPSK	270	0		19.91				
100	16QAM	1	1		20.00		21.6	0.0	
100	64QAM	1	1		19.89		21.6	0.0	
100	256QAM	1	1		19.92		21.6	0.0	
Channel				633000	633334	633668	21.6	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	20.06	20.17	20.09	21.6	0.0	
Channel				632668	633334	634000	21.6	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	20.11	20.07	20.17	21.6	0.0	
Channel				632334	633334	634334	21.6	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	20.12	20.10	20.08	21.6	0.0	
Channel				632000	633334	634668	21.6	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	20.14	20.15	20.14	21.6	0.0	
Channel				631668	633334	635000	21.6	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	20.10	20.09	20.16	21.6	0.0	
Channel				631334	633334	635334	21.6	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	20.10	20.13	20.17	21.6	0.0	
Channel				631000	633334	635668	21.6	MPR	
Frequency (MHz)				3465	3500.01	3533.02			
30	QPSK	1	1	20.06	20.15	20.11	21.6	0.0	
Channel				630634	633334	635834	21.6	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	20.05	20.09	20.12	21.6	0.0	
Channel				630668	633334	636000	21.6	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	20.14	20.14	20.12	21.6	0.0	
Channel				630500	633334	636168	21.6	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	20.08	20.07	20.13	21.6	0.0	
Channel				630250	633334	636334	21.6	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	20.15	20.05	20.15	21.6	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				650000	650000	650000	21.6	0.0
Frequency (MHz)				3750	3750	3750		
100	Pi/2 BPSK	1	1	19.95			21.6	0.0
100	Pi/2 BPSK	1	137	19.84				
100	Pi/2 BPSK	1	271	19.88				
100	Pi/2 BPSK	135	0	19.97				
100	Pi/2 BPSK	135	69	19.84			21.6	0.0
100	Pi/2 BPSK	135	138	19.87			21.6	0.0
100	Pi/2 BPSK	270	0	19.82			21.6	0.0
100	QPSK	1	1	20.03				
100	QPSK	1	137	19.91				
100	QPSK	1	271	19.97				
100	QPSK	135	0	19.85			21.6	0.0
100	QPSK	135	69	19.85			21.6	0.0
100	QPSK	135	138	19.84			21.6	0.0
100	QPSK	270	0	19.72				
100	16QAM	1	1	19.76				
100	64QAM	1	1	19.78				
100	256QAM	1	1	19.80			21.6	0.0
Channel				649688	650000	650334	21.6	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.98	19.93	19.92	21.6	0.0
Channel				649334	650000	650668	21.6	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.97	19.91	19.89	21.6	0.0
Channel				649000	650000	651000	21.6	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.92	19.98	19.88	21.6	0.0
Channel				648688	650000	651334	21.6	MPR
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.94	19.91	19.97	21.6	0.0
Channel				648334	650000	651668	21.6	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.91	19.94	19.92	21.6	0.0
Channel				648000	650000	652000	21.6	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.92	19.88	19.93	21.6	0.0
Channel				647668	650000	652334	21.6	MPR
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	19.97	19.92	19.91	21.6	0.0
Channel				647334	650000	652668	21.6	MPR
Frequency (MHz)				3710.01	3750	3760.02		
25	QPSK	1	1	19.99	19.89	19.93	21.6	0.0
Channel				647000	650000	653000	21.6	MPR
Frequency (MHz)				3712.5	3750	3787.5		
20	QPSK	1	1	19.89	19.97	19.88	21.6	0.0
Channel				647188	650000	652834	21.6	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.93	19.91	19.95	21.6	0.0
Channel				647000	650000	653000	21.6	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.88	19.88	19.93	21.6	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				633334			21.6	0.0
Frequency (MHz)				3500.01				
100	Pi/2 BPSK	1	1	19.88			21.6	0.0
100	Pi/2 BPSK	1	137	19.74				
100	Pi/2 BPSK	1	271	19.75				
100	Pi/2 BPSK	135	0	19.93				
100	Pi/2 BPSK	135	69	19.85			21.6	0.0
100	Pi/2 BPSK	135	138	19.79			21.6	0.0
100	Pi/2 BPSK	270	0	19.79			21.6	0.0
100	QPSK	1	1	20.08				
100	QPSK	1	137	19.99				
100	QPSK	1	271	19.89				
100	QPSK	135	0	19.70			21.6	0.0
100	QPSK	135	69	19.94			21.6	0.0
100	QPSK	135	138	19.86			21.6	0.0
100	QPSK	270	0	19.68				
100	16QAM	1	1	19.72				
100	64QAM	1	1	19.73				
100	256QAM	1	1	19.78			21.6	0.0
Channel				633000	633334	633668	21.6	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.99	19.97	20.02	21.6	0.0
Channel				632668	633334	634000	21.6	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.93	19.92	19.98	21.6	0.0
Channel				632334	633334	634334	21.6	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.93	19.97	20.01	21.6	0.0
Channel				632000	633334	634668	21.6	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.94	19.94	19.94	21.6	0.0
Channel				631668	633334	635000	21.6	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.94	20.01	19.95	21.6	0.0
Channel				631334	633334	635334	21.6	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.96	20.00	19.92	21.6	0.0
Channel				631000	633334	635668	21.6	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.92	19.97	19.99	21.6	0.0
Channel				630634	633334	635834	21.6	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.95	20.02	20.01	21.6	0.0
Channel				630368	633334	636000	21.6	MPR
Frequency (MHz)				3460.69	3500.01	3540		
20	QPSK	1	1	19.97	19.92	19.94	21.6	0.0
Channel				630000	633334	636168	21.6	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.93	19.97	19.90	21.6	0.0
Channel				630334	633334	636334	21.6	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.97	19.89	19.91	21.6	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				636000	641666	645333	20.1	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	19.11	19.17	19.05		
40	PI2 BPSK	1	108	18.92	19.03	18.87		
40	PI2 BPSK	1	214	19.01	19.03	18.81	20.1	0.0
40	PI2 BPSK	108	0	19.17	19.14	19.02		
40	PI2 BPSK	108	54	18.95	19.08	18.90		
40	PI2 BPSK	108	108	18.91	19.03	18.93		
40	PI2 BPSK	216	0	18.91	19.06	18.97	20.1	0.0
40	QPSK	1	1	19.21	19.23	19.11		
40	QPSK	1	108	19.00	19.16	19.02		
40	QPSK	1	214	19.08	19.19	19.12		
40	QPSK	108	0	18.74	18.88	18.86	20.1	0.0
40	QPSK	108	54	18.91	19.15	18.97		
40	QPSK	108	108	18.83	18.86	18.84		
40	QPSK	216	0	18.86	18.90	18.79		
40	16QAM	1	1	18.87	19.00	18.86	20.1	0.0
40	64QAM	1	1	18.91	18.95	18.84		
40	256QAM	1	1	17.44	17.71	17.58		
Channel				631666	641666	645066	20.1	0.0
Frequency (MHz)				3565.02	3624.99	3684.99		
30	Channel	1	1	19.06	19.15	19.00		
Channel				637334	641666	646000	20.1	0.0
Frequency (MHz)				3593.01	3624.99	3700		
20	QPSK	1	1	19.05	19.11	19.01		
Channel				637166	641666	646166	20.1	0.0
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.13	19.08	19.05		
Channel				637000	641666	646332	20.1	0.0
Frequency (MHz)				3555	3624.99	3692.98		
10	QPSK	1	1	19.15	19.14	18.97		

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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				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	16.57	16.70	16.57		
100	PI2 BPSK	1	137	16.54	16.51	16.44		
100	PI2 BPSK	1	271	16.52	16.54	16.34	18.0	0.0
100	PI2 BPSK	135	0	16.58	16.65	16.43		
100	PI2 BPSK	135	69	16.43	16.49	16.42		
100	PI2 BPSK	135	138	16.47	16.62	16.37		
100	PI2 BPSK	270	0	16.45	16.53	16.44	18.0	0.0
100	QPSK	1	1	16.52	16.73	16.56		
100	QPSK	1	137	16.52	16.72	16.54		
100	QPSK	1	271	16.51	16.68	16.64		
100	QPSK	135	0	16.30	16.35	16.38	18.0	0.0
100	QPSK	135	69	16.50	16.58	16.54		
100	QPSK	135	138	16.38	16.27	16.32		
100	QPSK	270	0	16.18	16.47	16.36		
100	16QAM	1	1	16.43	16.52	16.42	18.0	0.0
100	64QAM	1	1	16.44	16.51	16.35		
100	256QAM	1	1	16.40	16.48	16.31		
Channel				648668	650000	652232	18.0	0.0
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.52	16.57	16.51		
Channel				649334	650000	652668	18.0	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.49	16.58	16.50		
Channel				649000	650000	653000	18.0	0.0
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.54	16.63	16.51		
Channel				648668	650000	653334	18.0	0.0
Frequency (MHz)				3720.02	3840	3950.01		
60	QPSK	1	1	16.55	16.65	16.44		
Channel				648334	650000	653668	18.0	0.0
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.52	16.63	16.45		
Channel				648000	650000	654000	18.0	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.52	16.64	16.42		
Channel				647668	650000	654334	18.0	0.0
Frequency (MHz)				3713.02	3840	3953.01		
30	QPSK	1	1	16.55	16.62	16.46		
Channel				647500	650000	654500	18.0	0.0
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.52	16.58	16.46		
Channel				647334	650000	654668	18.0	0.0
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.58	16.63	16.49		
Channel				647168	650000	654834	18.0	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.56	16.62	16.41		
Channel				647000	650000	655000	18.0	0.0
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.47	16.60	16.49		

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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				633334			18.0	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		16.16			
100	PI2 BPSK	1	137		16.10		18.0	0.0
100	PI2 BPSK	1	271		16.05			
100	PI2 BPSK	135	0		16.14			
100	PI2 BPSK	135	69		16.01		18.0	0.0
100	PI2 BPSK	135	138		16.05			
100	PI2 BPSK	270	0		16.08			
100	QPSK	1	1		16.26		18.0	0.0
100	QPSK	1	137		16.17			
100	QPSK	1	271		16.23			
100	QPSK	135	0		16.02		18.0	0.0
100	QPSK	135	69		16.19			
100	QPSK	135	138		16.02			
100	QPSK	270	0		16.05		18.0	0.0
100	16QAM	1	1		16.06			
100	64QAM	1	1		16.05			
100	256QAM	1	1		16.02			
Channel				633000	633334	633668	18.0	0.0
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.14	16.18	16.17		
Channel				632668	633334	634000	18.0	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.21	16.12	16.13		
Channel				632334	633334	634334	18.0	0.0
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.20	16.19	16.22	18.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.16	16.18	16.20	18.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.21	16.15	16.15	18.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.18	16.16	16.11	18.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3533.02		
30	QPSK	1	1	16.17	16.17	16.14	18.0	0.0
Channel				630668	633334	635834		
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.13	16.20	16.11	18.0	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.12	16.16	16.11	18.0	0.0
Channel				630500	633334	636168		
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.20	16.13	16.12	18.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.13	16.17	16.14	18.0	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				650000	650000	650000	18.0	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	16.36			18.0	0.0
100	PI/2 BPSK	1	137	16.35				
100	PI/2 BPSK	1	271	16.35			18.0	0.0
100	PI/2 BPSK	135	0	16.39				
100	PI/2 BPSK	135	69	16.32			18.0	0.0
100	PI/2 BPSK	135	138	16.29				
100	PI/2 BPSK	270	0	16.24			18.0	0.0
100	QPSK	1	1	16.47				
100	QPSK	1	137	16.42			18.0	0.0
100	QPSK	1	271	16.42				
100	QPSK	135	0	16.15			18.0	0.0
100	QPSK	135	69	16.41				
100	QPSK	135	138	16.05			18.0	0.0
100	QPSK	270	0	16.19				
100	16QAM	1	1	16.22			18.0	0.0
100	64QAM	1	1	16.21				
100	256QAM	1	1	16.27			18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.36	16.38	16.33	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.39	16.34	16.43	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.32	16.34	16.36	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	16.34	16.35	16.36	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.32	16.37	16.40	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.42	16.32	16.33	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1	16.41	16.38	16.33	18.0	0.0
Channel				647334	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3760.02		
25	QPSK	1	1	16.42	16.37	16.37	18.0	0.0
Channel				647000	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3765		
20	QPSK	1	1	16.34	16.37	16.42	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3762.51		
15	QPSK	1	1	16.35	16.35	16.42	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3765		
10	QPSK	1	1	16.41	16.37	16.33	18.0	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				633334	633334	633334	18.0	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1	16.27			18.0	0.0
100	PI/2 BPSK	1	137	16.08				
100	PI/2 BPSK	1	271	16.18			18.0	0.0
100	PI/2 BPSK	135	0	16.23				
100	PI/2 BPSK	135	69	16.16			18.0	0.0
100	PI/2 BPSK	135	138	16.12				
100	PI/2 BPSK	270	0	16.13			18.0	0.0
100	QPSK	1	1	16.21				
100	QPSK	1	137	16.21			18.0	0.0
100	QPSK	1	271	16.30				
100	QPSK	135	0	16.01			18.0	0.0
100	QPSK	135	69	16.21				
100	QPSK	135	138	16.02			18.0	0.0
100	QPSK	270	0	16.01				
100	16QAM	1	1	16.08			18.0	0.0
100	64QAM	1	1	16.05				
100	256QAM	1	1	16.02			18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.26	16.23	16.18	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.21	16.25	16.26	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.20	16.21	16.25	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.30	16.20	16.23	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.25	16.19	16.26	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.21	16.20	16.19	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.20	16.20	16.19	18.0	0.0
Channel				630668	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.26	16.21	16.20	18.0	0.0
Channel				630334	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.19	16.20	16.18	18.0	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.21	16.20	16.18	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.22	16.27	16.25	18.0	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				516004	519000	519996	23.7	0.0
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.43	22.41	22.33	23.7	0.0
40	PI/2 BPSK	1	53	22.33	22.35	22.20		
40	PI/2 BPSK	1	104	22.30	22.33	22.27	23.5	0.2
40	PI/2 BPSK	50	0	21.98	22.02	21.83		
40	PI/2 BPSK	50	28	22.38	22.46	22.22	23.7	0.0
40	PI/2 BPSK	50	56	21.91	21.93	21.83		
40	PI/2 BPSK	100	0	21.96	22.00	21.76	23.7	0.0
40	QPSK	1	1	22.34	22.36	22.42		
40	QPSK	1	53	22.31	22.43	22.31	23.0	0.7
40	QPSK	1	104	22.31	22.36	22.18		
40	QPSK	50	0	21.46	21.58	21.36	23.7	0.0
40	QPSK	50	28	22.37	22.45	22.30		
40	QPSK	80	56	21.42	21.51	21.41	23.0	0.7
40	QPSK	100	0	21.44	21.57	21.42		
40	16QAM	1	1	21.43	21.51	21.31	23.0	0.7
40	64QAM	1	1	20.08	20.16	20.00		
40	256QAM	1	1	18.01	18.02	17.93	19.5	4.2
Channel				517002	519000	520998	23.7	0.0
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.44	22.43	22.36	23.7	0.0
Channel				516504	519000	521496		
Frequency (MHz)				2592.52	2595	2607.48	23.7	0.0
25	QPSK	1	1	22.43	22.50	22.33		
Channel				516000	519000	520000	23.7	0.0
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	22.43	22.53	22.33	23.7	0.0
Channel				515502	519000	524998		
Frequency (MHz)				2577.51	2595	2612.49	23.7	0.0
15	QPSK	1	1	22.45	22.49	22.27		
Channel				515004	519000	529998	23.7	0.0
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	22.43	22.47	22.32	23.7	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				506002	518998	520000	23.7	0.0
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.17	23.30	23.16	23.7	0.0
100	PI/2 BPSK	1	137	23.07	23.22	23.14		
100	PI/2 BPSK	1	271	23.02	23.23	23.08	23.7	0.0
100	PI/2 BPSK	135	0	22.74	22.88	22.76		
100	PI/2 BPSK	135	69	23.12	23.30	23.23	23.7	0.0
100	PI/2 BPSK	135	138	22.70	22.80	22.72		
100	PI/2 BPSK	270	0	22.60	22.83	22.66	23.7	0.0
100	QPSK	1	1	23.21	23.45	23.28		
100	QPSK	1	137	23.34	23.23	23.08	23.7	0.0
100	QPSK	1	271	23.21	23.24	23.06		
100	QPSK	135	0	23.32	23.32	23.19	23.7	0.0
100	QPSK	135	69	23.29	23.38	23.05		
100	QPSK	135	138	23.23	23.34	23.11	23.7	0.0
100	QPSK	270	0	23.24	23.30	23.00		
100	16QAM	1	1	23.23	23.19	23.02	23.7	0.0
100	64QAM	1	1	23.15	23.24	23.16		
100	256QAM	1	1	21.88	22.05	21.88	22.5	1.2
Channel				506002	518998	520998	23.7	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.15	23.39	23.14	23.7	0.0
Channel				507204	518998	529998		
Frequency (MHz)				2538.02	2592.99	2649.99	23.7	0.0
80	QPSK	1	1	23.06	23.30	23.21		
Channel				506002	518998	531000	23.7	0.0
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.11	23.34	23.14	23.7	0.0
Channel				505200	518998	531998		
Frequency (MHz)				2524	2592.99	2659.98	23.7	0.0
60	QPSK	1	1	23.07	23.36	23.23		
Channel				504204	518998	532998	23.7	0.0
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.09	23.32	23.12	23.7	0.0
Channel				503700	518998	533498		
Frequency (MHz)				2518.5	2592.99	2667.48	23.7	0.0
45	QPSK	1	1	23.10	23.36	23.17		
Channel				503202	518998	534000	23.7	0.0
Frequency (MHz)				2513.01	2592.99	2670		
40	QPSK	1	1	23.05	23.35	23.13	23.7	0.0
Channel				502704	518998	534498		
Frequency (MHz)				2513.52	2592.99	2672.49	23.7	0.0
35	QPSK	1	1	23.07	23.28	23.13		
Channel				502200	518998	534998	23.7	0.0
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.13	23.36	23.19	23.7	0.0
Channel				501702	518998	535500		
Frequency (MHz)				2508.51	2592.99	2677.5	23.7	0.0
25	QPSK	1	1	23.07	23.35	23.21		
Channel				501204	518998	535998	23.7	0.0
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.16	23.32	23.21	23.7	0.0
Channel				500700	518998	536498		
Frequency (MHz)				2503.5	2592.99	2682.48	23.7	0.0
15	QPSK	1	1	23.04	23.39	23.20		
Channel				500202	518998	537000	23.7	0.0
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.16	23.36	23.12	23.7	0.0



Reduced Power Mode for ECI 7

n2 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				1890	1890	1890		
40	PI/2 BPSK	1	1	18.55	18.59	18.53		
40	PI/2 BPSK	1	108	18.39	18.50	18.45	19.6	0.0
40	PI/2 BPSK	1	214	18.38	18.51	18.29		
40	PI/2 BPSK	108	0	18.54	18.70	18.42	19.6	0.0
40	PI/2 BPSK	108	54	18.41	18.49	18.42	19.6	0.0
40	PI/2 BPSK	108	108	18.31	18.53	18.35		
40	PI/2 BPSK	216	0	18.44	18.49	18.49	19.6	0.0
40	QPSK	1	1	18.60	18.75	18.55		
40	QPSK	1	108	18.51	18.57	18.52	19.6	0.0
40	QPSK	1	214	18.35	18.63	18.49		
40	QPSK	108	0	18.29	18.34	18.25	19.6	0.0
40	QPSK	108	54	18.45	18.59	18.53	19.6	0.0
40	QPSK	108	108	18.35	18.24	18.36		
40	QPSK	216	0	18.19	18.42	18.25	19.6	0.0
40	16QAM	1	1	18.34	18.44	18.39	19.6	0.0
40	64QAM	1	1	18.34	18.43	18.33	19.6	0.0
40	256QAM	1	1	18.15	18.34	18.23	19.0	0.6
Channel								
Frequency (MHz)								
				373500	376000	376500	Tune-up limit (dBm)	MPR (dB)
				1897.5	1930	1922.5		
35	QPSK	1	1	18.47	18.62	18.42	19.6	0.0
Channel								
Frequency (MHz)								
				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
				1885	1880	1895		
30	QPSK	1	1	18.54	18.65	18.43	19.6	0.0
Channel								
Frequency (MHz)								
				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)
				1882.5	1880	1897.5		
25	QPSK	1	1	18.54	18.67	18.47	19.6	0.0
Channel								
Frequency (MHz)								
				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
				1880	1880	1900		
20	QPSK	1	1	18.48	18.64	18.43	19.6	0.0
Channel								
Frequency (MHz)								
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
				1857.5	1880	1902.5		
15	QPSK	1	1	18.49	18.60	18.40	19.6	0.0
Channel								
Frequency (MHz)								
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
				1855	1880	1905		
10	QPSK	1	1	18.50	18.61	18.51	19.6	0.0
Channel								
Frequency (MHz)								
				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
				1852.5	1880	1907.5		
5	QPSK	1	1	18.48	18.66	18.47	19.6	0.0

1.3

n5 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				834	834.5	839		
20	PI/2 BPSK	1	1	22.77	22.81	22.84		
20	PI/2 BPSK	1	53	22.65	22.77	22.57	24.0	0.0
20	PI/2 BPSK	1	104	22.68	22.80	22.61		
20	PI/2 BPSK	50	0	22.31	22.41	22.20	23.5	0.5
20	PI/2 BPSK	50	25	22.61	22.87	22.72	24.0	0.0
20	PI/2 BPSK	50	56	22.28	22.33	22.23		
20	PI/2 BPSK	100	0	22.26	22.30	22.23	23.5	0.5
20	QPSK	1	1	22.62	22.99	22.71		
20	QPSK	1	53	22.76	22.83	22.63	24.0	0.0
20	QPSK	1	104	22.63	22.76	22.50		
20	QPSK	50	0	21.83	21.99	21.73	23.0	1.0
20	QPSK	50	28	22.86	22.95	22.70	24.0	0.0
20	QPSK	50	56	21.86	21.93	21.74		
20	QPSK	100	0	21.88	21.92	21.71	23.0	1.0
20	16QAM	1	1	21.79	21.89	21.68	23.0	1.0
20	64QAM	1	1	20.37	20.58	20.39	21.5	2.5
20	256QAM	1	1	18.40	18.46	18.32	19.5	4.5
Channel								
Frequency (MHz)								
				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
				831.5	833.5	841.5		
15	QPSK	1	1	22.67	22.82	22.54	24.0	0.0
Channel								
Frequency (MHz)								
				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
				829	836.5	844		
10	QPSK	1	1	22.68	22.86	22.55	24.0	0.0
Channel								
Frequency (MHz)								
				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
				826.5	834.5	846.5		
5	QPSK	1	1	22.77	22.86	22.56	24.0	0.0

n12 Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				704.5	707.5	708.5		
15	PI/2 BPSK	1	1	22.70	22.85	22.70		
15	PI/2 BPSK	1	40	22.60	22.76	22.70	24.0	0.0
15	PI/2 BPSK	1	77	22.58	22.76	22.62		
15	PI/2 BPSK	36	0	22.28	22.37	22.30	23.5	0.5
15	PI/2 BPSK	36	22	22.70	22.85	22.77	24.0	0.0
15	PI/2 BPSK	36	43	22.16	22.33	22.28		
15	PI/2 BPSK	75	0	22.16	22.33	22.25	23.5	0.5
15	QPSK	1	1	22.77	23.00	22.80		
15	QPSK	1	40	22.67	22.76	22.62	24.0	0.0
15	QPSK	1	77	22.63	22.77	22.57		
15	QPSK	36	0	21.77	21.94	21.80	23.0	1.0
15	QPSK	36	22	22.67	22.94	22.73	24.0	0.0
15	QPSK	36	43	21.76	21.93	21.76		
15	QPSK	75	0	21.77	21.87	21.73	23.0	1.0
15	16QAM	1	1	21.70	21.83	21.79	23.0	1.0
15	64QAM	1	1	20.38	20.46	20.36	21.5	2.5
15	256QAM	1	1	18.35	18.45	18.33	19.5	4.5
Channel								
Frequency (MHz)								
				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
				704	707.5	711		
10	QPSK	1	1	22.62	22.85	22.70	24.0	0.0
Channel								
Frequency (MHz)								
				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
				701.5	707.5	713.5		
5	QPSK	1	1	22.69	22.86	22.68	24.0	0.0



n14 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				158100	158600			
Frequency (MHz)				733				
10	PI2 BPSK	1	1	22.94			24.0	0.0
10	PI2 BPSK	1	26	22.85				
10	PI2 BPSK	1	50	22.94				
10	PI2 BPSK	25	0	22.49			23.5	0.5
10	PI2 BPSK	25	14	22.96			24.0	0.0
10	PI2 BPSK	25	27	22.45			23.5	0.5
10	PI2 BPSK	50	0	22.43				
10	QPSK	1	1	23.07				
10	QPSK	1	26	22.97			24.0	0.0
10	QPSK	1	50	22.96				
10	QPSK	25	0	22.10			23.0	1.0
10	QPSK	25	14	23.03			24.0	0.0
10	QPSK	25	27	22.06			23.0	1.0
10	QPSK	50	0	22.10			23.0	1.0
10	16QAM	1	1	22.06			23.0	1.0
10	64QAM	1	1	20.68			21.5	2.5
10	256QAM	1	1	18.58			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				730.5	733	735.5	24.0	0.0
5	QPSK	1	1	22.99	22.93	23.00	24.0	0.0

n25 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				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	PI2 BPSK	1	1	18.52	18.55	18.51		
40	PI2 BPSK	1	108	18.36	18.48	18.43	19.6	0.0
40	PI2 BPSK	1	214	18.32	18.57	18.33		
40	PI2 BPSK	108	0	18.60	18.70	18.38	19.6	0.0
40	PI2 BPSK	108	54	18.46	18.54	18.38	19.6	0.0
40	PI2 BPSK	108	108	18.30	18.54	18.31	19.6	0.0
40	PI2 BPSK	216	0	18.39	18.51	18.53		
40	QPSK	1	1	18.62	18.77	18.57		
40	QPSK	1	108	18.47	18.55	18.52	19.6	0.0
40	QPSK	1	214	18.56	18.63	18.51		
40	QPSK	108	0	18.27	18.38	18.27	19.6	0.0
40	QPSK	108	54	18.39	18.64	18.50	19.6	0.0
40	QPSK	108	108	18.34	18.20	18.42		
40	QPSK	216	0	18.22	18.36	18.19	19.6	0.0
40	16QAM	1	1	18.34	18.45	18.34	19.6	0.0
40	64QAM	1	1	18.29	18.43	18.31	19.6	0.0
40	256QAM	1	1	18.16	18.36	18.28	19.0	0.6
Channel				374500	376500	379500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1897.5	1882.5	1897.5		
35	QPSK	1	1	18.01	18.70	18.52	19.6	0.0
Channel				375000	376500	380000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1886	1882.5	1900		
30	QPSK	1	1	18.52	18.70	18.43	19.6	0.0
Channel				375500	376500	380500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1882.5	1882.5	1902.5		
25	QPSK	1	1	18.55	18.65	18.41	19.6	0.0
Channel				376000	376500	381000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1880	1882.5	1905		
20	QPSK	1	1	18.50	18.62	18.49	19.6	0.0
Channel				376500	376500	381500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1882.5	1882.5	1907.5		
15	QPSK	1	1	18.54	18.67	18.51	19.6	0.0
Channel				377000	376500	382000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	18.50	18.69	18.43	19.6	0.0
Channel				376500	376500	382500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1882.5	1882.5	1912.5		
5	QPSK	1	1	18.54	18.72	18.47	19.6	0.0

n26 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				164800	166300	167800		
Frequency (MHz)				824	831.5	839		
20	PI2 BPSK	1	1	22.22	22.25	22.23		
20	PI2 BPSK	1	53	22.19	22.18	22.14	23.6	0.0
20	PI2 BPSK	1	104	22.10	22.14	22.09		
20	PI2 BPSK	50	0	21.69	21.78	21.70	23.5	0.1
20	PI2 BPSK	50	26	22.36	22.33	22.28	23.6	0.0
20	PI2 BPSK	50	56	21.76	21.77	21.73	23.5	0.1
20	PI2 BPSK	100	0	21.82	21.81	21.74		
20	QPSK	1	1	22.35	22.38	22.30		
20	QPSK	1	53	22.17	22.24	22.16	23.6	0.0
20	QPSK	1	104	22.16	22.16	22.06		
20	QPSK	50	0	21.33	21.38	21.38	23.0	0.6
20	QPSK	50	28	22.25	22.30	22.22	23.6	0.0
20	QPSK	50	56	21.26	21.35	21.34	23.0	0.6
20	QPSK	100	0	21.36	21.38	21.31	23.0	0.6
20	16QAM	1	1	21.24	21.30	21.25	23.0	0.6
20	64QAM	1	1	19.89	19.93	19.93	21.5	2.1
20	256QAM	1	1	17.84	17.85	17.79	19.5	4.1
Channel				164300	166300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5	831.5	841.5	24.0	0.0
15	QPSK	1	1	22.20	22.24	22.23	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				819	831.5	844	24.0	0.0
10	QPSK	1	1	22.31	22.22	22.24	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.5	831.5	846.5	24.0	0.0
5	QPSK	1	1	22.32	22.33	22.23	24.0	0.0

n66 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				346000	349000	352000			
Frequency (MHz)				17.0	17.5	17.6			
40	PV2 BPSK	1	1	17.08	17.05	16.99			
40	PV2 BPSK	1	108	16.93	16.95	16.85	18.2	0.0	
40	PV2 BPSK	1	214	16.83	16.93	16.75			
40	PV2 BPSK	108	0	17.06	17.06	16.86	18.2	0.0	
40	PV2 BPSK	108	54	16.82	16.93	16.90			
40	PV2 BPSK	108	108	16.87	17.02	16.79	18.2	0.0	
40	PV2 BPSK	216	0	16.89	16.93	16.88			
40	QPSK	1	1	17.10	17.20	17.03			
40	QPSK	1	108	16.86	17.12	16.96	18.2	0.0	
40	QPSK	1	214	17.00	17.07	16.97			
40	QPSK	108	0	16.76	16.77	16.80	18.2	0.0	
40	QPSK	108	54	16.84	17.00	16.92	18.2	0.0	
40	QPSK	108	108	16.72	16.77	16.70			
40	QPSK	216	0	16.86	16.87	16.86	18.2	0.0	
40	16QAM	1	1	16.83	16.87	16.78	18.2	0.0	
40	64QAM	1	1	16.73	16.86	16.69	18.2	0.0	
40	256QAM	1	1	16.84	16.84	16.77	18.2	0.0	
Channel				345500	349000	352500	Tune-up limit	MPR	
Frequency (MHz)				1727.5	1745	1752.5	(dBm)	(dB)	
35	QPSK	1	1	17.00	17.15	17.00	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit	MPR	
Frequency (MHz)				1725	1745	1765	(dBm)	(dB)	
30	QPSK	1	1	16.99	17.11	16.96	18.2	0.0	
Channel				344500	349000	353500	Tune-up limit	MPR	
Frequency (MHz)				1722.5	1745	1767.5	(dBm)	(dB)	
25	QPSK	1	1	17.03	17.07	16.93	18.2	0.0	
Channel				344000	349000	354000	Tune-up limit	MPR	
Frequency (MHz)				1720	1745	1770	(dBm)	(dB)	
20	QPSK	1	1	16.99	17.11	16.92	18.2	0.0	
Channel				343500	349000	354500	Tune-up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5	(dBm)	(dB)	
15	QPSK	1	1	17.05	17.16	16.97	18.2	0.0	
Channel				343000	349000	355000	Tune-up limit	MPR	
Frequency (MHz)				1715	1745	1775	(dBm)	(dB)	
10	QPSK	1	1	17.03	17.07	16.96	18.2	0.0	
Channel				342500	349000	355500	Tune-up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5	(dBm)	(dB)	
5	QPSK	1	1	16.98	17.13	16.98	18.2	0.0	

n70 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)				1702.5				
15	PI/2 BPSK	1	1		18.01			
15	PI/2 BPSK	1	40		17.89		19.1	0.0
15	PI/2 BPSK	1	77		17.81			
15	PI/2 BPSK	36	0		17.87		19.1	0.0
15	PI/2 BPSK	36	22		17.84		19.1	0.0
15	PI/2 BPSK	36	43		17.90		19.1	0.0
15	PI/2 BPSK	75	0		17.83			
15	QPSK	1	1		18.08			
15	QPSK	1	40		17.92		19.1	0.0
15	QPSK	1	77		17.89			
15	QPSK	36	0		17.75		19.1	0.0
15	QPSK	36	22		17.88		19.1	0.0
15	QPSK	36	43		17.85		19.1	0.0
15	QPSK	75	0		17.75		19.1	0.0
15	16QAM	1	1		17.81		19.1	0.0
15	64QAM	1	1		17.78		19.1	0.0
	256QAM	1	1		17.73		19.1	0.0
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	18.00	17.95	17.99	19.1	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm)	(dB)
5	QPSK	1	1	17.99	18.03	17.95	19.1	0.0

n71 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)				1361.5				
35	PI/2 BPSK	1	1		23.13			
35	PI/2 BPSK	1	92		23.00		24.0	0.0
35	PI/2 BPSK	1	184		22.99			
35	PI/2 BPSK	94	0		22.99		23.5	0.5
35	PI/2 BPSK	94	47		23.20		24.0	0.0
35	PI/2 BPSK	94	94		22.57		23.5	0.5
35	PI/2 BPSK	188	0		22.98			
35	QPSK	1	1		23.21			
35	QPSK	1	92		23.02		24.0	0.0
35	QPSK	1	184		22.92			
35	QPSK	94	0		22.21		23.0	1.0
35	QPSK	94	47		23.16		24.0	0.0
35	QPSK	94	94		22.10		23.0	1.0
35	QPSK	188	0		22.19		23.0	1.0
35	16QAM	1	1		22.10		23.0	1.0
35	64QAM	1	1		20.79		21.5	2.5
35	256QAM	1	1		18.70		19.5	4.5
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR
Frequency (MHz)				678	680.5	683	(dBm)	(dB)
30	QPSK	1	1	23.04	23.04	23.11	24.0	0.0
Channel				136100	136100	137100	Tune-up limit (dBm)	MPR
Frequency (MHz)				675.5	680.5	685.5	(dBm)	(dB)
25	QPSK	1	1	23.12	23.07	23.08	24.0	0.0
Channel				134400	136100	137600	Tune-up limit (dBm)	MPR
Frequency (MHz)				673	680.5	688	(dBm)	(dB)
20	QPSK	1	1	23.11	23.12	23.08	24.0	0.0
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR
Frequency (MHz)				670.5	680.5	695.5	(dBm)	(dB)
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133900	136100	138600	Tune-up limit (dBm)	MPR
Frequency (MHz)				668	680.5	693	(dBm)	(dB)
10	QPSK	1	1	23.11	23.10	23.16	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR
Frequency (MHz)				665.5	680.5	695.5	(dBm)	(dB)
5	QPSK	1	1	23.08	23.08	23.10	24.0	0.0

n38 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				518004	519000	519996	17.4	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI2 BPSK	1	1	16.52	16.41	16.45	17.4	0.0	
40	PI2 BPSK	1	53	16.41	16.40	16.38			
40	PI2 BPSK	1	104	16.36	16.49	16.18	17.4	0.0	
40	PI2 BPSK	50	0	16.52	16.48	16.33			
40	PI2 BPSK	50	28	16.29	16.46	16.36	17.4	0.0	
40	PI2 BPSK	50	56	16.35	16.46	16.37			
40	PI2 BPSK	100	0	16.39	16.42	16.33	17.4	0.0	
40	QPSK	1	1	16.53	16.66	16.54			
40	QPSK	1	53	16.44	16.52	16.37	17.4	0.0	
40	QPSK	1	104	16.33	16.55	16.50			
40	QPSK	50	0	16.23	16.31	16.20	17.4	0.0	
40	QPSK	50	28	16.26	16.45	16.38			
40	QPSK	50	56	16.23	16.17	16.19	17.4	0.0	
40	QPSK	100	0	16.05	16.31	16.21			
40	16QAM	1	1	16.22	16.36	16.30	17.4	0.0	
40	64QAM	1	1	16.31	16.35	16.17			
40	256QAM	1	1	16.25	16.36	16.18	17.4	0.0	
Channel				517002	519000	520998			
Frequency (MHz)				2585.01	2595	2604.99	Tune-up limit (dBm)		
30	QPSK	1	1	16.42	16.59	16.48	17.4	0.0	
Channel				516504	519000	521496			
Frequency (MHz)				2582.52	2595	2607.48	Tune-up limit (dBm)		
25	QPSK	1	1	16.43	16.55	16.44	17.4	0.0	
Channel				516000	519000	522000			
Frequency (MHz)				2580	2595	2610	Tune-up limit (dBm)		
20	QPSK	1	1	16.48	16.60	16.43	17.4	0.0	
Channel				515502	519000	524998			
Frequency (MHz)				2577.51	2595	2612.49	Tune-up limit (dBm)		
15	QPSK	1	1	16.46	16.59	16.40	17.4	0.0	
Channel				515004	519000	525996			
Frequency (MHz)				2575.02	2595	2614.98	Tune-up limit (dBm)		
10	QPSK	1	1	16.43	16.58	16.42	17.4	0.0	

n41 PC3IPC2 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				506202	518998	526000	17.4	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.63	16.56	16.55	17.4	0.0	
100	PI/2 BPSK	1	137	16.46	16.44	16.42			
100	PI/2 BPSK	1	271	16.44	16.45	16.29	17.4	0.0	
100	PI/2 BPSK	135	0	16.58	16.59	16.39			
100	PI/2 BPSK	135	69	16.44	16.57	16.45	17.4	0.0	
100	PI/2 BPSK	135	138	16.40	16.54	16.41			
100	PI/2 BPSK	270	0	16.48	16.48	16.40	17.4	0.0	
100	QPSK	1	1	16.66	16.72	16.63			
100	QPSK	1	137	16.52	16.64	16.42	17.4	0.0	
100	QPSK	1	271	16.46	16.62	16.55			
100	QPSK	135	0	16.31	16.42	16.29	17.4	0.0	
100	QPSK	135	69	16.38	16.56	16.51			
100	QPSK	135	138	16.28	16.28	16.33	17.4	0.0	
100	QPSK	270	0	16.15	16.42	16.26			
100	16QAM	1	1	16.30	16.44	16.40	17.4	0.0	
100	64QAM	1	1	16.37	16.45	16.24			
100	256QAM	1	1	16.35	16.44	16.33	17.4	0.0	
Channel				505200	518998	529998			
Frequency (MHz)				2541	2592.99	2644.98	Tune-up limit (dBm)		
90	QPSK	1	1	16.58	16.60	16.44	17.4	0.0	
Channel				507204	518998	529998			
Frequency (MHz)				2536.02	2592.99	2648.99	Tune-up limit (dBm)		
80	QPSK	1	1	16.55	16.67	16.46	17.4	0.0	
Channel				506202	518998	531000			
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)		
70	QPSK	1	1	16.50	16.57	16.45	17.4	0.0	
Channel				505200	518998	531998			
Frequency (MHz)				2524	2592.99	2659.98	Tune-up limit (dBm)		
60	QPSK	1	1	16.55	16.56	16.50	17.4	0.0	
Channel				504204	518998	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)		
50	QPSK	1	1	16.52	16.59	16.44	17.4	0.0	
Channel				503200	518998	533998			
Frequency (MHz)				2518.5	2592.99	2667.48	Tune-up limit (dBm)		
45	QPSK	1	1	16.51	16.62	16.49	0.0	0.0	
Channel				503202	518998	534000			
Frequency (MHz)				2513.01	2592.99	2670	Tune-up limit (dBm)		
40	QPSK	1	1	16.61	16.60	16.52	17.4	0.0	
Channel				502704	518998	534498			
Frequency (MHz)				2513.52	2592.99	2672.49	Tune-up limit (dBm)		
35	QPSK	1	1	16.52	16.63	16.45	0.0	0.0	
Channel				502200	518998	534998			
Frequency (MHz)				2511	2592.99	2674.98	Tune-up limit (dBm)		
30	QPSK	1	1	16.58	16.59	16.49	17.4	0.0	
Channel				501702	518998	535500			
Frequency (MHz)				2508.51	2592.99	2677.5	Tune-up limit (dBm)		
25	QPSK	1	1	16.59	16.67	16.45	0.0	0.0	
Channel				501204	518998	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)		
20	QPSK	1	1	16.61	16.63	16.50	17.4	0.0	
Channel				500700	518998	536496			
Frequency (MHz)				2503.15	2592.99	2682.48	Tune-up limit (dBm)		
16	QPSK	1	1	16.50	16.68	16.56	17.4	0.0	
Channel				500202	518998	537000			
Frequency (MHz)				2501.01	2592.99	2685	Tune-up limit (dBm)		
10	QPSK	1	1	16.56	16.62	16.55	17.4	0.0	



n2 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PV2 BPSK	1	1	11.97	12.04	11.97			
40	PV2 BPSK	1	108	11.91	11.95	11.85	13.1		0.0
40	PV2 BPSK	1	214	11.84	11.90	11.79			
40	PV2 BPSK	108	0	12.08	12.04	11.94	13.1		0.0
40	PV2 BPSK	108	54	11.83	11.95	11.91	13.1		0.0
40	PV2 BPSK	108	108	11.82	11.93	11.81	13.1		0.0
40	PV2 BPSK	216	0	11.89	11.92	11.95	13.1		0.0
40	QPSK	1	1	12.09	12.21	12.04			
40	QPSK	1	108	11.96	12.01	11.87	13.1		0.0
40	QPSK	1	214	11.94	12.05	11.92			
40	QPSK	108	0	11.67	11.83	11.80	13.1		0.0
40	QPSK	108	54	11.85	12.01	11.95	13.1		0.0
40	QPSK	108	108	11.75	11.85	11.77	13.1		0.0
40	QPSK	216	0	11.85	11.81	11.75	13.1		0.0
40	16QAM	1	1	11.84	11.94	11.76	13.1		0.0
40	64QAM	1	1	11.76	11.86	11.74	13.1		0.0
40	256QAM	1	1	11.82	11.94	11.81	13.1		0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	12.04	12.08	11.95	13.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.99	12.05	11.94	13.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.97	12.05	11.94	13.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.00	12.15	11.94	13.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.04	12.10	11.90	13.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.02	12.15	11.92	13.1	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	11.97	12.11	11.95	13.1	0.0	

n5 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	PV2 BPSK	1	1	22.89	23.00	22.91			
20	PV2 BPSK	1	67	22.93	22.96	22.92	24.0		0.0
20	PV2 BPSK	1	131	22.89	22.91	22.89			
20	PV2 BPSK	64	0	22.48	22.58	22.52	23.5		0.5
20	PV2 BPSK	64	35	23.07	23.08	23.07	24.0		0.0
20	PV2 BPSK	64	69	22.44	22.52	22.54			
20	PV2 BPSK	128	0	22.45	22.55	22.47	23.5		0.5
20	QPSK	1	1	23.06	23.11	23.04			
20	QPSK	1	67	22.92	22.95	22.98	24.0		0.0
20	QPSK	1	131	22.85	22.86	22.83			
20	QPSK	64	0	22.10	22.15	22.11	23.0		1.0
20	QPSK	64	35	22.87	22.97	22.86	24.0		0.0
20	QPSK	64	69	22.03	22.01	22.09	23.0		1.0
20	QPSK	128	0	22.04	22.05	22.04	23.0		1.0
20	16QAM	1	1	21.97	22.06	21.97	23.0		1.0
20	64QAM	1	1	20.57	20.61	20.59	21.5		2.5
20	256QAM	1	1	18.61	18.67	18.57	19.5		4.5
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.95	23.04	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.94	22.96	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.92	23.05	22.97	24.0	0.0	

n12 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)									
				141300	141500	141700			
15	PV2 BPSK	1	1	22.89	23.05	22.87			
15	PV2 BPSK	1	40	22.78	22.99	22.79	24.0	0.0	
15	PV2 BPSK	1	77	22.78	22.82	22.78			
15	PV2 BPSK	36	0	22.45	22.56	22.44	23.5	0.5	
15	PV2 BPSK	36	22	22.93	23.12	22.97	24.0	0.0	
15	PV2 BPSK	36	43	22.41	22.57	22.37	23.5	0.5	
15	PV2 BPSK	75	0	22.35	22.58	22.43			
15	QPSK	1	1	22.95	23.16	23.03			
15	QPSK	1	40	22.86	23.03	22.86	24.0		
15	QPSK	1	77	22.84	22.89	22.74			
15	QPSK	36	0	22.08	22.17	21.96	23.0	1.0	
15	QPSK	36	22	22.85	22.99	22.86	24.0	0.0	
15	QPSK	36	43	21.96	22.08	21.98	23.0	1.0	
15	QPSK	75	0	21.98	22.05	21.95	23.0	1.0	
15	16QAM	1	1	21.91	22.05	21.90	23.0	1.0	
15	64QAM	1	1	20.56	20.67	20.57	21.5	2.5	
15	256QAM	1	1	18.50	18.63	18.52	19.5	4.5	
Channel									
Frequency (MHz)									
				704	707.5	711			
10	QPSK	1	1	22.89	23.01	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
				140300	141000	142000	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.89	23.08	22.89	24.0	0.0	



n14 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				168000				
Frequency (MHz)				763				
10	PI/2 BPSK	1	1	23.02			24.0	0.0
10	PI/2 BPSK	1	26	22.96				
10	PI/2 BPSK	1	50	22.92				
10	PI/2 BPSK	25	0	22.62			23.5	0.5
10	PI/2 BPSK	25	14	23.12			24.0	0.0
10	PI/2 BPSK	25	27	22.48			23.5	0.5
10	PI/2 BPSK	50	0	22.48			24.0	0.0
10	QPSK	1	1	23.17				
10	QPSK	1	26	23.02				
10	QPSK	1	50	22.91			23.0	1.0
10	QPSK	25	0	22.18				
10	QPSK	25	14	23.02				
10	QPSK	25	27	22.12			23.0	1.0
10	QPSK	50	0	22.07			23.0	1.0
10	16QAM	1	1	22.03				
10	64QAM	1	1	20.69				
10	256QAM	1	1	18.07			19.5	4.5
Channel				150/100	150/100		Tune-up limit (dB)	MPR
Frequency (MHz)				750.5	763	795.5		
5	QPSK	1	1	23.09	23.07	23.00	24.0	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		376500		
Frequency (MHz)				1670		1682.5		
40	PI/2 BPSK	1	1	12.02	12.11	11.95	13.1	0.0
40	PI/2 BPSK	1	108	11.85	11.92	11.86		
40	PI/2 BPSK	1	214	11.86	11.91	11.74		
40	PI/2 BPSK	108	0	12.06	12.03	11.83	13.1	0.0
40	PI/2 BPSK	108	54	11.86	11.92	11.92	13.1	0.0
40	PI/2 BPSK	108	108	11.81	11.91	11.80	13.1	0.0
40	PI/2 BPSK	216	0	11.86	11.99	11.90	13.1	0.0
40	QPSK	1	1	12.10	12.17	12.02		
40	QPSK	1	108	11.83	12.01	11.88		
40	QPSK	1	214	11.98	12.09	11.95	13.1	0.0
40	QPSK	108	0	11.73	11.74	11.71		
40	QPSK	108	54	11.89	12.08	11.89		
40	QPSK	108	108	11.73	11.72	11.76	13.1	0.0
40	QPSK	216	0	11.90	11.81	11.68	13.1	0.0
40	16QAM	1	1	11.75	11.91	11.74		
40	64QAM	1	1	11.84	11.82	11.72		
40	256QAM	1	1	11.08	11.91	11.72	13.1	0.0
Channel				372500	373500	374500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1687.5	1682.5	1687.5		
35	QPSK	1	1	11.99	12.03	11.87	13.1	0.0
Channel				375000	376500	380000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1665	1682.5	1690		
30	QPSK	1	1	11.99	12.03	11.87	13.1	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1662.5	1672.5	1672.5		
25	QPSK	1	1	11.99	12.05	11.95	13.1	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1660	1682.5	1695		
20	QPSK	1	1	11.98	12.10	11.92	13.1	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1687.5	1682.5	1687.5		
15	QPSK	1	1	12.01	12.05	11.93	13.1	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR
Frequency (MHz)				1655	1682.5	1690		
10	QPSK	1	1	11.96	12.08	11.88	13.1	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR
Frequency (MHz)				1652.5	1662.5	1672.5		
5	QPSK	1	1	12.01	12.08	11.90	13.1	0.0

n26 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				164800		166300		
Frequency (MHz)				824		831.5		
20	PI/2 BPSK	1	1	22.81	23.05	22.99	24.0	0.0
20	PI/2 BPSK	1	53	22.67	22.92	22.97		
20	PI/2 BPSK	1	104	22.73	22.87	22.90		
20	PI/2 BPSK	50	0	22.34	22.55	22.51	23.5	0.5
20	PI/2 BPSK	50	26	22.83	23.13	23.09	24.0	0.0
20	PI/2 BPSK	50	56	22.29	22.57	22.50	23.5	0.5
20	PI/2 BPSK	100	0	22.31	22.48	22.53	24.0	0.0
20	QPSK	1	1	22.84	23.14	23.05		
20	QPSK	1	53	22.74	22.99	22.96		
20	QPSK	1	104	22.68	22.85	22.94	23.0	1.0
20	QPSK	50	0	21.88	22.08	22.11		
20	QPSK	50	26	22.70	23.03	22.91		
20	QPSK	50	56	21.80	22.12	22.06	23.0	1.0
20	QPSK	100	0	21.92	22.13	22.05	23.0	1.0
20	16QAM	1	1	21.85	22.03	22.02		
20	64QAM	1	1	20.42	20.75	20.72		
20	256QAM	1	1	18.37	18.62	18.64	19.5	4.5
Channel				163300	163300	163300	Tune-up limit (dBm)	MPR
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	1	22.72	23.01	22.92	24.0	0.0
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR
Frequency (MHz)				810	831.5	844		
10	QPSK	1	1	22.69	22.99	22.89	24.0	0.0
Channel				163300	166300	169300	Tune-up limit (dBm)	MPR
Frequency (MHz)				815	811.5	841.5		
5	QPSK	1	1	22.76	23.01	22.97	24.0	0.0

n30 Ant 1						
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.
Channel				461500	462000	
Frequency (MHz)				23.10		
10	PQSK	1	1	17.25		
10	PQSK	1	26	17.15		18.1
10	PQSK	1	50	17.17		0.0
10	PQSK	25	0	17.30		0.0
10	PQSK	25	14	17.16		18.1
10	PQSK	25	27	17.11		18.1
10	PQSK	50	0	17.11		0.0
10	QPSK	1	1	17.61		
10	QPSK	1	26	17.28		18.1
10	QPSK	1	50	17.35		
10	QPSK	25	0	16.98		18.1
10	QPSK	25	14	17.24		18.1
10	QPSK	25	27	16.99		18.1
10	QPSK	50	0	17.08		18.1
10	16QAM	1	1	17.08		0.0
10	16QAM	1	1	17.08		18.1
10	256QAM	1	1	17.15		18.1
Channel				461500	462000	
Frequency (MHz)				23.10		
5	QPSK	1	1	17.31	17.34	17.36
				461500	462000	
				23.10		
				Turn-up limit (dBm)		
				MPR (dB)		

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)	MPR (dB)	
	Channel			345000	349000	353000			
	Frequency (MHz)			1720	1745	1760			
40	PV2 BPSK	1	1	13.32	13.44	13.33			
40	PV2 BPSK	1	108	13.32	13.44	13.25	14.8	0.0	
40	PV2 BPSK	1	214	13.32	13.24	13.08			
40	PV2 BPSK	108	0	13.33	13.46	13.19	14.8	0.0	
40	PV2 BPSK	108	54	13.22	13.30	13.22	14.8	0.0	
40	PV2 BPSK	108	108	13.14	13.30	13.11	14.8	0.0	
40	PV2 BPSK	216	0	13.26	13.27	13.22			
40	QPSK	1	1	13.46	13.58	13.40			
40	QPSK	1	108	13.29	13.43	13.25	14.8	0.0	
40	QPSK	1	214	13.34	13.39	13.31			
40	QPSK	108	0	13.06	13.09	13.08	14.8	0.0	
40	QPSK	108	54	13.23	13.40	13.25	14.8	0.0	
40	QPSK	108	108	13.14	13.44	13.13	14.8	0.0	
40	QPSK	216	0	12.97	13.23	13.11	14.8	0.0	
40	16QAM	1	1	13.11	13.25	13.12	14.8	0.0	
40	64QAM	1	1	13.08	13.17	13.08	14.8	0.0	
40	256QAM	1	1	13.15	13.27	13.05	14.8	0.0	
	Channel			345000	349000	353000			
	Frequency (MHz)			1727.5	1745	1762.5			
36	QPSK	1	1	13.34	13.44	13.35	14.8	0.0	
	Channel			345000	349000	353000			
	Frequency (MHz)			1720	1745	1760	Turn-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	13.34	13.44	13.35	14.8	0.0	
	Channel			345000	349000	353000			
	Frequency (MHz)			1722.5	1745	1767.5	Turn-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	13.41	13.43	13.30	14.8	0.0	
	Channel			345000	349000	353000			
	Frequency (MHz)			1720	1745	1770	Turn-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	13.33	13.42	13.35	14.8	0.0	
	Channel			345000	349000	354500			
	Frequency (MHz)			1717.5	1745	1772.5	Turn-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	13.41	13.44	13.29	14.8	0.0	
	Channel			343000	349000	356000			
	Frequency (MHz)			1715	1745	1775	Turn-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	13.32	13.39	13.34	14.8	0.0	
	Channel			343000	349000	357000			
	Frequency (MHz)			1712.5	1745	1777.5	Turn-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	13.37	13.46	13.29	14.8	0.0	

n70 Ant 1							
SW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	
Channel							
	Frequency (MHz)			340000	360500	381000	
15	P22 BPSK	1	1	14.21	14.25		
15	P22 BPSK	1	40	14.21	14.28		
15	P22 BPSK	1	77	14.21			15.2 0.0
15	P22 BPSK	36	0	14.25			15.2 0.0
15	P22 BPSK	36	22	14.15			15.2 0.0
15	P22 BPSK	36	43	14.12			15.2 0.0
15	P22 BPSK	36	0	14.08			15.2 0.0
15	QPSK	1	1	14.27			
15	QPSK	1	40	14.19			15.2 0.0
15	QPSK	1	77	14.21			15.2 0.0
15	QPSK	36	0	13.84			15.2 0.0
15	QPSK	36	22	14.15			15.2 0.0
15	QPSK	36	43	13.85			15.2 0.0
15	QPSK	75	0	14.03			15.2 0.0
15	16QAM	1	1	14.10			15.2 0.0
15	64QAM	1	1	13.98			15.2 0.0
15	256QAM	1	1	13.99			15.2 0.0
Channel							
	Frequency (MHz)			340000	360500	381000	
10	QPSK	1	1	14.22	14.22	14.15	15.2 0.0
Channel							
	Frequency (MHz)			339500	340500	341500	
5	QPSK	1	1	1697.5	1707.5	1707.5	15.2 0.0
5	QPSK	1	1	14.17	14.17	14.22	15.2 0.0

n71 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel							
Frequency (MHz)				680.5			
35	PQ2 BPSK	1	1	23.25			
35	PQ2 BPSK	1	92	23.18			24.0
35	PQ2 BPSK	1	184	23.14			
35	PQ2 BPSK	94	0	22.79			23.5
35	PQ2 BPSK	94	47	23.24			24.0
35	PQ2 BPSK	94	94	22.77			23.5
35	PQ2 BPSK	188	0	22.74			0.5
35	QPSK	1	1	23.29			
35	QPSK	1	92	23.21			24.0
35	QPSK	1	184	23.11			
35	QPSK	94	0	22.28			23.0
35	QPSK	94	47	23.23			24.0
35	QPSK	94	94	22.28			23.0
35	QPSK	188	0	22.31			
35	16QAM	1	1	22.22			23.0
35	64QAM	1	1	20.91			21.5
35	256QAM	1	1	18.88			19.5
Channel				136000	136100	136200	
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	23.09	23.14	23.17	24.0
Channel				135100	136100	137100	
Frequency (MHz)				678.5	680.5	682.5	
25	QPSK	1	1	23.01	23.16	23.18	24.0
Channel				134000	136100	137600	
Frequency (MHz)				672	680.5	688	
20	QPSK	1	1	23.01	23.14	23.19	24.0
Channel				134100	136100	138100	
Frequency (MHz)				670.5	680.5	695.5	
15	QPSK	1	1	23.05	23.12	23.13	24.0
Channel				133000	136100	139100	
Frequency (MHz)				668	680.5	693	
10	QPSK	1	1	23.09	23.14	23.08	24.0
Channel				133100	136100	139100	
Frequency (MHz)				668.5	680.5	695.5	
5	QPSK	1	1	23.02	23.13	23.14	24.0

n38 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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	12.72	12.64	12.58			
40	PI/2 BPSK	1	53	12.44	12.55	12.47	13.9	0.0	
40	PI/2 BPSK	1	104	12.59	12.53	12.33			
40	PI/2 BPSK	50	0	12.62	12.80	12.50	13.9	0.0	
40	PI/2 BPSK	50	28	12.49	12.55	12.48	13.9	0.0	
40	PI/2 BPSK	50	56	12.49	12.61	12.45	13.9	0.0	
40	PI/2 BPSK	100	0	12.48	12.58	12.48			
40	QPSK	1	1	12.70	12.80	12.69			
40	QPSK	1	53	12.60	12.74	12.43	13.9	0.0	
40	QPSK	1	104	12.48	12.68	12.53			
40	QPSK	50	0	12.27	12.49	12.31	13.9	0.0	
40	QPSK	50	28	12.41	12.68	12.58	13.9	0.0	
40	QPSK	80	56	12.39	12.39	12.38			
40	QPSK	100	0	12.23	12.44	12.40	13.9	0.0	
40	16QAM	1	1	12.55	12.51	12.52	13.9	0.0	
40	64QAM	1	1	12.42	12.51	12.36	13.9	0.0	
40	256QAM	1	1	12.47	12.50	12.36	13.9	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	12.68	12.71	12.54	13.9	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2592.52	2595	2607.48			
25	QPSK	1	1	12.50	12.69	12.57	13.9	0.0	
Channel				516000	519000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	12.64	12.73	12.60	13.9	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	12.64	12.68	12.54	13.9	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	12.64	12.67	12.58	13.9	0.0	

n41 PC3IPC2 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				506002	518998	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	12.76	12.79	12.69			
100	PI/2 BPSK	1	137	12.60	12.66	12.62	13.9	0.0	
100	PI/2 BPSK	1	271	12.66	12.65	12.48			
100	PI/2 BPSK	135	0	12.73	12.75	12.65	13.9	0.0	
100	PI/2 BPSK	135	69	12.64	12.68	12.61	13.9	0.0	
100	PI/2 BPSK	135	138	12.57	12.71	12.55	13.9	0.0	
100	PI/2 BPSK	270	0	12.61	12.68	12.59			
100	QPSK	1	1	12.36	12.95	12.76			
100	QPSK	1	137	12.72	12.79	12.58	13.9	0.0	
100	QPSK	1	271	12.63	12.81	12.69			
100	QPSK	135	0	12.42	12.57	12.45	13.9	0.0	
100	QPSK	135	69	12.57	12.79	12.63	13.9	0.0	
100	QPSK	135	138	12.51	12.61	12.45			
100	QPSK	270	0	12.31	12.55	12.48	13.9	0.0	
100	16QAM	1	1	12.59	12.61	12.58	13.9	0.0	
100	64QAM	1	1	12.49	12.61	12.41	13.9	0.0	
100	256QAM	1	1	12.56	12.64	12.50	13.9	0.0	
Channel				506000	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	12.71	12.90	12.69	13.9	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	12.70	12.84	12.68	13.9	0.0	
Channel				506202	518998	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	12.80	12.79	12.65	13.9	0.0	
Channel				505200	518998	521998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	12.75	12.80	12.65	13.9	0.0	
Channel				504204	518998	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	12.78	12.85	12.70	13.9	0.0	
Channel				503200	518998	523998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	12.74	12.84	12.66	13.9	0.0	
Channel				503202	518998	524000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	12.71	12.83	12.69	13.9	0.0	
Channel				502704	518998	524498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	12.75	12.81	12.66	13.9	0.0	
Channel				502200	518998	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	12.78	12.89	12.70	13.9	0.0	
Channel				501702	518998	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	12.69	12.80	12.65	13.9	0.0	
Channel				501204	518998	526998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	12.79	12.79	12.68	13.9	0.0	
Channel				500700	518998	526498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	12.80	12.80	12.73	13.9	0.0	
Channel				500202	518998	527000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	12.70	12.81	12.69	13.9	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				503000	507000	509000			
Frequency (MHz)				2525	2535	2545			
50	Pl/2 BPSK	1	1	19.71	19.81	19.67	20.9	0.0	
50	Pl/2 BPSK	1	135	19.70	19.62	19.61			
50	Pl/2 BPSK	1	268	19.61	19.71	19.57			
50	Pl/2 BPSK	135	0	19.80	19.81	19.60	20.9	0.0	
50	Pl/2 BPSK	135	68	19.59	19.72	19.61	20.9	0.0	
50	Pl/2 BPSK	135	135	19.56	19.74	19.59	20.9	0.0	
50	Pl/2 BPSK	270	0	19.56	19.62	19.59	20.9	0.0	
50	QPSK	1	1	19.77	19.84	19.69			
50	QPSK	1	135	19.69	19.79	19.58			
50	QPSK	1	268	19.66	19.80	19.67	20.9	0.0	
50	QPSK	135	0	19.47	19.60	19.48			
50	QPSK	135	68	19.64	19.75	19.68			
50	QPSK	135	135	19.53	19.48	19.54	20.9	0.0	
50	QPSK	270	0	19.39	19.59	19.46	20.9	0.0	
50	16QAM	1	1	19.55	19.61	19.57			
50	64QAM	1	1	19.50	19.57	19.49			
50	256QAM	1	1	18.01	18.30	17.92	19.4	1.5	
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2520	2535	2550			
40	QPSK	1	1	19.68	19.72	19.63		20.9	
Channel				505000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2522.5			
35	QPSK	1	1	19.60	19.69	19.60		0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.64	19.77	19.57		20.9	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2527.5			
25	QPSK	1	1	19.67	19.77	19.58		20.9	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	Pl/2 BPSK	1	1	19.69	19.68	19.55		20.9	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.70	19.69	19.59		20.9	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502	2535	2565			
10	QPSK	1	1	19.69	19.72	19.59		20.9	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.5	2535	2567.5			
5	QPSK	1	1	19.68	19.79	19.59		20.9	

n30 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				462000					
Frequency (MHz)									
10	Pl/2 BPSK	1	1		18.35		19.8	0.0	
10	Pl/2 BPSK	1	26		18.34				
10	Pl/2 BPSK	1	50		18.28				
10	Pl/2 BPSK	25	0		18.40		19.8	0.0	
10	Pl/2 BPSK	25	14		18.29				
10	Pl/2 BPSK	25	27		18.34				
10	Pl/2 BPSK	50	0		18.24		19.8	0.0	
10	QPSK	1	1		18.52				
10	QPSK	1	26		18.39				
10	QPSK	1	50		18.41		19.8	0.0	
10	QPSK	25	0		18.10				
10	QPSK	25	14		18.43				
10	QPSK	25	27		18.08		19.8	0.0	
10	QPSK	50	0		18.12				
10	16QAM	1	1		18.19		19.8	0.0	
10	64QAM	1	1		18.24				
10	256QAM	1	1		18.18				
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	18.44	18.40	18.40		19.8	



n38 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)				2590.02	2595	2599.98		
40	PI2 BPSK	1	1	20.07	20.13	19.98		
40	PI2 BPSK	1	53	19.95	20.04	19.97	21.5	0.0
40	PI2 BPSK	1	104	20.01	20.01	19.98		
40	PI2 BPSK	50	0	20.12	20.13	19.89	21.5	0.0
40	PI2 BPSK	50	28	19.96	19.96	19.94	21.5	0.0
40	PI2 BPSK	50	56	19.80	19.92	19.95	21.5	0.0
40	PI2 BPSK	100	0	19.88	20.09	19.89		
40	QPSK	1	1	20.06	20.16	20.00	21.5	0.0
40	QPSK	1	53	19.96	20.09	20.02		
40	QPSK	1	104	19.99	20.08	20.04		
40	QPSK	50	0	19.71	19.90	19.62	21.5	0.0
40	QPSK	50	28	19.92	20.13	19.83	21.5	0.0
40	QPSK	50	56	19.94	19.77	19.80		
40	QPSK	100	0	19.88	19.96	19.73	21.5	0.0
40	16QAM	1	1	19.83	19.96	19.76	21.5	0.0
40	64QAM	1	1	19.93	19.90	19.70	21.5	0.0
40	256QAM	1	1	19.86	19.94	19.63	21.5	0.0
Frequency (MHz)				2595.51	2595	2604.99		
30	QPSK	1	1	19.98	20.10	19.89	21.5	0.0
Channel				516504	518000	521496	Tune-up limit (dBm)	MPR
Frequency (MHz)				2592.52	2595	2607.48		
25	QPSK	1	1	19.95	20.13	19.84	21.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.91	20.12	19.91	21.5	0.0
Channel				515502	519000	522486	Tune-up limit (dBm)	MPR
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.94	20.13	19.85	21.5	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	20.01	20.05	19.91	21.5	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)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	20.14	20.17	20.13		
100	PI2 BPSK	1	137	20.08	20.08	20.05		
100	PI2 BPSK	1	271	20.05	20.06	19.92	21.5	0.0
100	PI2 BPSK	135	0	20.24	20.17	19.98	21.5	0.0
100	PI2 BPSK	135	69	20.04	20.08	20.07	21.5	0.0
100	PI2 BPSK	135	138	19.93	20.08	20.01	21.5	0.0
100	PI2 BPSK	270	0	19.97	20.13	20.05		
100	QPSK	1	1	20.19	20.26	20.16		
100	QPSK	1	137	20.11	20.20	20.07	21.5	0.0
100	QPSK	1	271	20.11	20.20	20.11		
100	QPSK	135	0	19.83	19.95	19.97	21.5	0.0
100	QPSK	135	69	19.97	20.20	20.06	21.5	0.0
100	QPSK	135	138	19.92	19.92	19.87		
100	QPSK	270	0	19.73	20.01	19.82	21.5	0.0
100	16QAM	1	1	19.99	20.07	19.88	21.5	0.0
100	64QAM	1	1	19.98	19.96	19.82	21.5	0.0
100	256QAM	1	1	19.94	19.98	19.93	21.5	0.0
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.09	20.10	20.02	21.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.10	20.12	20.05	21.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.06	20.10	20.02	21.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2526	2592.99	2659.99		
60	QPSK	1	1	20.04	20.21	20.01	21.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.11	20.17	20.07	21.5	0.0
Channel				503702	518598	533996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.04	20.17	20.10	21.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2513.01	2592.99	2670		
40	QPSK	1	1	20.13	20.13	20.10	21.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.04	20.21	20.00	21.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.08	20.16	20.03	21.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.09	20.13	20.08	21.5	0.0
Channel				501204	518598	536000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.06	20.14	20.08	21.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.04	20.21	20.09	21.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	20.08	20.13	20.10	21.5	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)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	15.97	15.89	15.84		
40	PI2 BPSK	1	108	15.74	15.88	15.71	16.9	0.0
40	PI2 BPSK	1	214	15.76	15.80	15.65		
40	PI2 BPSK	108	0	15.94	15.94	15.74	16.9	0.0
40	PI2 BPSK	108	54	15.77	15.87	15.74	16.9	0.0
40	PI2 BPSK	108	108	15.73	15.86	15.76	16.9	0.0
40	PI2 BPSK	216	0	15.75	15.86	15.78		
40	QPSK	1	1	15.99	16.06	15.92		
40	QPSK	1	108	15.80	16.00	15.72	16.9	0.0
40	QPSK	1	214	15.88	15.98	15.89		
40	QPSK	108	0	15.64	15.72	15.69	16.9	0.0
40	QPSK	108	54	15.79	15.95	15.84	16.9	0.0
40	QPSK	108	108	15.64	15.98	15.71		
40	QPSK	216	0	15.49	15.74	15.61	16.9	0.0
40	16QAM	1	1	15.64	15.79	15.71	16.9	0.0
40	64QAM	1	1	15.62	15.80	15.61	16.9	0.0
40	256QAM	1	1	15.68	15.84	15.68	16.9	0.0
Frequency (MHz)				3570.03	3624.99	3679.98	Tune-up limit (dBm)	MPR
30	QPSK	1	1	15.88	15.98	15.81	16.9	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3569.51	3624.99	3690		
20	QPSK	1	1	15.93	15.99	15.90	16.9	0.0
Channel				637168	641666	646198	Tune-up limit (dBm)	MPR
Frequency (MHz)				3567.52	3624.99	3692.49		
15	QPSK	1	1	15.93	15.93	15.82	16.9	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3565	3624.99	3694.98		
10	QPSK	1	1	15.84	16.01	15.77	16.9	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				650000	650000	650000	19.3	0.0	
Frequency (MHz)				3750	3840	3930			
100	PI2 BPSK	1	1	17.87	17.83	17.72			
100	PI2 BPSK	1	137	17.73	17.74	17.65			
100	PI2 BPSK	1	271	17.73	17.68	17.56	19.3	0.0	
100	PI2 BPSK	135	0	17.79	17.88	17.68			
100	PI2 BPSK	135	69	17.61	17.78	17.67			
100	PI2 BPSK	135	138	17.61	17.78	17.64			
100	PI2 BPSK	270	0	17.87	17.72	17.74	19.3	0.0	
100	QPSK	1	1	17.90	17.95	17.85			
100	QPSK	1	137	17.73	17.83	17.64			
100	QPSK	1	271	17.73	17.92	17.73			
100	QPSK	135	0	17.46	17.62	17.50	19.3	0.0	
100	QPSK	135	69	17.86	17.86	17.74			
100	QPSK	135	138	17.53	17.49	17.57			
100	QPSK	270	0	17.44	17.65	17.53			
100	16QAM	1	1	17.57	17.67	17.62	19.3	0.0	
100	64QAM	1	1	17.55	17.65	17.54			
100	256QAM	1	1	17.58	17.73	17.59			
Channel				64968	65000	65024	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	17.84	17.80	17.74	19.3	0.0	
Channel				649334	650000	662668			
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	17.76	17.80	17.79		19.3	
Channel				649000	650000	663000			
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	17.81	17.79	17.80		19.3	
Channel				648668	650000	663334			
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	17.76	17.85	17.78		19.3	
Channel				648334	650000	663668			
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	17.82	17.83	17.69	19.3	0.0	
Channel				648000	650000	664000			
Frequency (MHz)				3720	3840	3960			
40	QPSK	1	1	17.77	17.89	17.78		19.3	
Channel				647668	650000	664334			
Frequency (MHz)				3715.02	3840	3965.01			
30	QPSK	1	1	17.82	17.85	17.73	19.3	0.0	
Channel				647300	650000	664500			
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	17.81	17.85	17.77		19.3	
Channel				647334	650000	664668			
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	17.75	17.87	17.70	19.3	0.0	
Channel				647168	650000	664834			
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	17.84	17.87	17.69		19.3	
Channel				647000	650000	665000			
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	17.76	17.88	17.77		19.3	

Part27Q n77 PC3IPC2 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				633334	633334	633334	19.3	0.0	
Frequency (MHz)				3500.01					
100	PI2 BPSK	1	1			17.92			
100	PI2 BPSK	1	137			17.83			
100	PI2 BPSK	1	271			17.94	19.3	0.0	
100	PI2 BPSK	135	0			17.94			
100	PI2 BPSK	135	69			17.91			
100	PI2 BPSK	135	138			17.90			
100	PI2 BPSK	270	0			17.83	19.3	0.0	
100	QPSK	1	1			18.06			
100	QPSK	1	137			17.97			
100	QPSK	1	271			18.04			
100	QPSK	135	0			17.69	19.3	0.0	
100	QPSK	135	69			17.90			
100	QPSK	135	138			17.61			
100	QPSK	270	0			17.73			
100	16QAM	1	1			17.88	19.3	0.0	
100	64QAM	1	1			17.74			
100	256QAM	1	1			17.81			
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	17.90	17.92	17.93	19.3	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	17.79	18.02	17.94		19.3	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	17.90	17.94	18.01		19.3	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	17.98	17.94	17.94		19.3	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	18.00	18.01	18.00	19.3	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	17.99	18.02	18.01		19.3	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	17.96	17.92	18.00	19.3	0.0	
Channel				630634	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	17.92	17.96	17.91		19.3	
Channel				630668	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	17.96	17.92	17.98	19.3	0.0	
Channel				630500	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	18.00	17.91	17.95		19.3	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	17.96	17.98	17.94		19.3	

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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				650000	650000	650000	19.3	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.71		19.3	0.0
100	PI/2 BPSK	1	137		17.54			
100	PI/2 BPSK	1	271		17.59		19.3	0.0
100	PI/2 BPSK	135	0		17.70			
100	PI/2 BPSK	135	69		17.61		19.3	0.0
100	PI/2 BPSK	135	138		17.57			
100	PI/2 BPSK	270	0		17.62		19.3	0.0
100	QPSK	1	1		17.76			
100	QPSK	1	137		17.70		19.3	0.0
100	QPSK	1	271		17.76			
100	QPSK	135	0		17.48		19.3	0.0
100	QPSK	135	69		17.67			
100	QPSK	135	138		17.39		19.3	0.0
100	QPSK	270	0		17.44			
100	16QAM	1	1		17.55		19.3	0.0
100	64QAM	1	1		17.55			
100	256QAM	1	1		17.54		19.3	0.0
Channel				649668	650000	650334		
Frequency (MHz)				3745.02	3750	3755.01	19.3	0.0
90	QPSK	1	1	17.66	17.62	17.73		
Channel				649334	650000	650668	19.3	0.0
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.70	17.70	17.63	19.3	0.0
Channel				649000	650000	651000		
Frequency (MHz)				3735	3750	3765	19.3	0.0
70	QPSK	1	1	17.69	17.65	17.65		
Channel				648668	650000	651334	19.3	0.0
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	17.71	17.69	17.66	19.3	0.0
Channel				648334	650000	651668		
Frequency (MHz)				3725.01	3750	3775.02	19.3	0.0
50	QPSK	1	1	17.63	17.70	17.72		
Channel				648000	650000	652000	19.3	0.0
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.65	17.72	17.71	19.3	0.0
Channel				647668	650000	652334		
Frequency (MHz)				3715.02	3750	3785.01	19.3	0.0
30	QPSK	1	1	17.60	17.63	17.70		
Channel				647334	650000	652500	19.3	0.0
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.68	17.69	17.71	19.3	0.0
Channel				647334	650000	652668		
Frequency (MHz)				3710.01	3750	3790.02	19.3	0.0
20	QPSK	1	1	17.69	17.70	17.72		
Channel				647168	650000	652834	19.3	0.0
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.71	17.70	17.64	19.3	0.0
Channel				647000	650000	653000		
Frequency (MHz)				3705	3750	3795	19.3	0.0
10	QPSK	1	1	17.69	17.69	17.74		

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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				633334	633334	633334	19.3	0.0
Frequency (MHz)				3500.01				
100	PI/2 BPSK	1	1		17.90		19.3	0.0
100	PI/2 BPSK	1	137		17.79			
100	PI/2 BPSK	1	271		17.81		19.3	0.0
100	PI/2 BPSK	135	0		17.98			
100	PI/2 BPSK	135	69		17.88		19.3	0.0
100	PI/2 BPSK	135	138		17.81			
100	PI/2 BPSK	270	0		17.82		19.3	0.0
100	QPSK	1	1		18.02			
100	QPSK	1	137		17.90		19.3	0.0
100	QPSK	1	271		18.01			
100	QPSK	135	0		17.72		19.3	0.0
100	QPSK	135	69		17.96			
100	QPSK	135	138		17.67		19.3	0.0
100	QPSK	270	0		17.73			
100	16QAM	1	1		17.84		19.3	0.0
100	64QAM	1	1		17.68			
100	256QAM	1	1		17.72		19.3	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	19.3	0.0
90	QPSK	1	1	17.89	17.88	17.96		
Channel				632668	633334	634000	19.3	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.83	17.83	17.88	19.3	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	19.3	0.0
70	QPSK	1	1	17.98	17.90	17.98		
Channel				632000	633334	634668	19.3	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.89	17.97	17.91	19.3	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	19.3	0.0
50	QPSK	1	1	17.96	17.67	17.98		
Channel				631334	633334	635334	19.3	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.93	17.96	17.91	19.3	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	19.3	0.0
30	QPSK	1	1	17.91	17.69	17.89		
Channel				630634	633334	635834	19.3	0.0
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.94	17.96	17.92	19.3	0.0
Channel				630598	633334	636000		
Frequency (MHz)				3460.69	3500.01	3540	19.3	0.0
20	QPSK	1	1	17.97	17.86	17.97		
Channel				630500	633334	636168	19.3	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.97	17.63	17.67	19.3	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	19.3	0.0
10	QPSK	1	1	17.88	17.94	17.89		



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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				3570	3624.99	3679.98		
Frequency (MHz)				11.46	11.45	11.36		
40	PI2 BPSK	1	1	11.46	11.45	11.36		
40	PI2 BPSK	1	108	11.32	11.35	11.28	12.5	0.0
40	PI2 BPSK	1	214	11.33	11.36	11.16		
40	PI2 BPSK	108	0	11.48	11.44	11.34	12.5	0.0
40	PI2 BPSK	108	54	11.33	11.33	11.32	12.5	0.0
40	PI2 BPSK	108	108	11.27	11.34	11.25	12.5	0.0
40	PI2 BPSK	216	0	11.32	11.34	11.36		
40	QPSK	1	1	11.46	11.57	11.44		
40	QPSK	1	108	11.36	11.54	11.27	12.5	0.0
40	QPSK	1	214	11.35	11.55	11.39		
40	QPSK	108	0	11.11	11.25	11.15	12.5	0.0
40	QPSK	108	54	11.30	11.48	11.37	12.5	0.0
40	QPSK	108	108	11.24	11.21	11.24		
40	QPSK	216	0	11.08	11.28	11.13	12.5	0.0
40	16QAM	1	1	11.22	11.32	11.19	12.5	0.0
40	84QAM	1	1	11.23	11.32	11.12	12.5	0.0
40	256QAM	1	1	11.21	11.29	11.14	12.5	0.0
Channel				6370.02	6416.63	6459.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	11.32	11.50	11.36	12.5	0.0
Channel				6373.34	6416.66	6460.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3569.01	3624.99	3690		
20	QPSK	1	1	11.21	11.45	11.35	12.5	0.0
Channel				6371.68	6416.66	6461.66	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	11.39	11.47	11.33	12.5	0.0
Channel				6370.00	6416.66	6463.32	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3684.98		
10	QPSK	1	1	11.41	11.49	11.28	12.5	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				6500.00	6560.00	6620.00		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	11.66	11.72	11.61		
100	PI2 BPSK	1	137	11.52	11.61	11.47		
100	PI2 BPSK	1	271	11.55	11.56	11.46	13.0	0.0
100	PI2 BPSK	135	0	11.72	11.72	11.52	13.0	0.0
100	PI2 BPSK	135	69	11.44	11.58	11.54	13.0	0.0
100	PI2 BPSK	135	138	11.52	11.56	11.48	13.0	0.0
100	PI2 BPSK	270	0	11.49	11.64	11.54		
100	QPSK	1	1	11.73	11.76	11.67		
100	QPSK	1	137	11.60	11.68	11.56	13.0	0.0
100	QPSK	1	271	11.59	11.69	11.61		
100	QPSK	135	0	11.36	11.40	11.42	13.0	0.0
100	QPSK	135	69	11.51	11.68	11.54	13.0	0.0
100	QPSK	135	138	11.39	11.40	11.37	13.0	0.0
100	QPSK	270	0	11.25	11.45	11.36		
100	16QAM	1	1	11.39	11.51	11.39	13.0	0.0
100	64QAM	1	1	11.44	11.54	11.39	13.0	0.0
100	256QAM	1	1	11.44	11.56	11.42	13.0	0.0
Channel				6495.68	6560.00	6625.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	11.66	11.61	11.52	13.0	0.0
Channel				6493.34	6560.00	6626.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	11.70	11.72	11.54	13.0	0.0
Channel				6490.00	6560.00	6630.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	11.70	11.71	11.59	13.0	0.0
Channel				6486.68	6560.00	6633.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	11.71	11.64	11.61	13.0	0.0
Channel				6483.34	6560.00	6636.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	11.65	11.68	11.62	13.0	0.0
Channel				6480.00	6560.00	6640.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	11.68	11.63	11.62	13.0	0.0
Channel				6476.68	6560.00	6643.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	11.69	11.70	11.57	13.0	0.0
Channel				6475.00	6560.00	6645.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	11.64	11.62	11.60	13.0	0.0
Channel				6473.34	6560.00	6646.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	11.64	11.67	11.53	13.0	0.0
Channel				6471.68	6560.00	6648.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	11.62	11.65	11.52	13.0	0.0
Channel				6470.00	6560.00	6650.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	11.66	11.71	11.53	13.0	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				6330.01	6333.34			
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		11.72			
100	PI2 BPSK	1	137		11.56		13.0	0.0
100	PI2 BPSK	1	271		11.64			
100	PI2 BPSK	135	0		11.73		13.0	0.0
100	PI2 BPSK	135	69		11.58		13.0	0.0
100	PI2 BPSK	135	138		11.61		13.0	0.0
100	PI2 BPSK	270	0		11.53			
100	QPSK	1	1		11.84			
100	QPSK	1	137		11.67		13.0	0.0
100	QPSK	1	271		11.69			
100	QPSK	135	0		11.42		13.0	0.0
100	QPSK	135	69		11.72		13.0	0.0
100	QPSK	135	138		11.34		13.0	0.0
100	QPSK	270	0		11.52			
100	16QAM	1	1		11.53		13.0	0.0
100	64QAM	1	1		11.50		13.0	0.0
100	256QAM	1	1		11.48		13.0	0.0
Channel				6330.00	6333.34	6336.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	11.69	11.77	11.76	13.0	0.0
Channel				6326.68	6333.34	6340.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.80	11.71	11.73	13.0	0.0
Channel				6323.34	6333.34	6343.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.75	11.73	11.71	13.0	0.0
Channel				6320.00	6333.34	6346.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.75	11.77	11.74	13.0	0.0
Channel				6316.68	6333.34	6350.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	11.74	11.76	11.77	13.0	0.0
Channel				6313.34	6333.34	6353.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	11.74	11.79	11.74	13.0	0.0
Channel				6310.00	6333.34	6356.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.72	11.70	11.74	13.0	0.0
Channel				6308.34	6333.34	6358.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	11.79	11.71	11.71	13.0	0.0
Channel				6305.68	6333.34	6360.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.69	3500.01	3540		
20	QPSK	1	1	11.77	11.75	11.79	13.0	0.0
Channel				6305.00	6333.34	6361.68	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	11.74	11.73	11.71	13.0	0.0
Channel				6303.34	6333.34	6363.34	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	11.70	11.73	11.73	13.0	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi/2 BPSK	1	1		11.31		13.0	0.0	
100	Pi/2 BPSK	1	137		11.11				
100	Pi/2 BPSK	1	271		11.12				
100	Pi/2 BPSK	135	0		11.32				
100	Pi/2 BPSK	135	69		11.18		13.0	0.0	
100	Pi/2 BPSK	135	138		11.14		13.0	0.0	
100	Pi/2 BPSK	270	0		11.17				
100	QPSK	1	1		11.40				
100	QPSK	1	137		11.33				
100	QPSK	1	271		11.32		13.0	0.0	
100	QPSK	135	0		11.08		13.0	0.0	
100	QPSK	135	69		11.18				
100	QPSK	135	138		11.05				
100	QPSK	270	0		11.11				
100	16QAM	1	1		11.14		13.0	0.0	
100	64QAM	1	1		11.04		13.0	0.0	
100	256QAM	1	1		11.15				
Channel				649668	650000	650334	13.0	0.0	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		11.31	11.29	11.25	13.0	0.0
Channel				649334	650000	650668	13.0	0.0	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		11.29	11.22	11.29	13.0	0.0
Channel				649000	650000	651000	13.0	0.0	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		11.30	11.28	11.35	13.0	0.0
Channel				648668	650000	651334	13.0	0.0	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		11.28	11.25	11.38	13.0	0.0
Channel				648334	650000	651668	13.0	0.0	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		11.33	11.25	11.30	13.0	0.0
Channel				648000	650000	652000	13.0	0.0	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		11.28	11.24	11.35	13.0	0.0
Channel				647668	650000	652334	13.0	0.0	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		11.22	11.01	11.26	13.0	0.0
Channel				647334	650000	652668	13.0	0.0	
Frequency (MHz)				3710.01	3750	3790.02			
25	QPSK	1	1		11.25	11.34	11.33	13.0	0.0
Channel				647000	650000	653000	13.0	0.0	
Frequency (MHz)				3705	3750	3795			
20	QPSK	1	1		11.32	11.33	11.34	13.0	0.0
Channel				647168	650000	652834	13.0	0.0	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		11.32	11.34	11.30	13.0	0.0
Channel				647000	650000	653000	13.0	0.0	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		11.28	11.28	11.35	13.0	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					633334					
Frequency (MHz)					3500.01					
100	Pi/2 BPSK	1	1		11.58		13.0	0.0		
100	Pi/2 BPSK	1	137		11.51					
100	Pi/2 BPSK	1	271		11.49					
100	Pi/2 BPSK	135	0		11.52					
100	Pi/2 BPSK	135	69		11.49		13.0	0.0		
100	Pi/2 BPSK	135	138		11.48		13.0	0.0		
100	Pi/2 BPSK	270	0		11.48					
100	QPSK	1	1		11.59					
100	QPSK	1	137		11.63					
100	QPSK	1	271		11.61		13.0	0.0		
100	QPSK	135	0		11.50		13.0	0.0		
100	QPSK	135	69		11.58		13.0	0.0		
100	QPSK	135	138		11.20					
100	QPSK	270	0		11.31					
100	16QAM	1	1		11.47					
100	64QAM	1	1		11.41		13.0	0.0		
100	256QAM	1	1		11.36					
Channel				633000	633334	633668				
Frequency (MHz)				3495	3500.01	3505.02			Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	11.62	11.61	11.60	13.0	0.0		
Channel				632668	633334	634000	13.0	0.0		
Frequency (MHz)				3490.02	3500.01	3510				
80	QPSK	1	1	11.63	11.61	11.59	13.0	0.0		
Channel				632334	633334	634334	13.0	0.0		
Frequency (MHz)				3485.01	3500.01	3515.01				
70	QPSK	1	1	11.56	11.61	11.58	13.0	0.0		
Channel				632000	633334	634668	13.0	0.0		
Frequency (MHz)				3480	3500.01	3520.02				
60	QPSK	1	1	11.58	11.53	11.64	13.0	0.0		
Channel				631668	633334	635000	13.0	0.0		
Frequency (MHz)				3475.02	3500.01	3525				
50	QPSK	1	1	11.57	11.61	11.59	13.0	0.0		
Channel				631334	633334	635334	13.0	0.0		
Frequency (MHz)				3470.01	3500.01	3530.01				
40	QPSK	1	1	11.60	11.57	11.55	13.0	0.0		
Channel				631000	633334	635668	13.0	0.0		
Frequency (MHz)				3465	3500.01	3535.02				
30	QPSK	1	1	11.55	11.62	11.55	13.0	0.0		
Channel				630668	633334	635834	13.0	0.0		
Frequency (MHz)				3462.51	3500.01	3537.51				
25	QPSK	1	1	11.56	11.60	11.54	13.0	0.0		
Channel				630334	633334	636000	13.0	0.0		
Frequency (MHz)				3460.02	3500.01	3540				
20	QPSK	1	1	11.59	11.54	11.54	13.0	0.0		
Channel				630000	633334	636168	13.0	0.0		
Frequency (MHz)				3457.5	3500.01	3542.52				
15	QPSK	1	1	11.56	11.58	11.58	13.0	0.0		
Channel				630334	633334	636334	13.0	0.0		
Frequency (MHz)				3455.01	3500.01	3545.01				
10	QPSK	1	1	11.61	11.60	11.64	13.0	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				374500	376000	378000				
Frequency (MHz)				1870	1880	1890				
40	PI2 BPSK	1	1	23.01	23.09	22.92		24.0	0.0	
40	PI2 BPSK	1	108	22.97	23.10	22.91				
40	PI2 BPSK	1	214	22.94	22.96	22.83				
40	PI2 BPSK	108	0	22.83	22.82	22.48	23.5	0.5		
40	PI2 BPSK	108	54	23.08	23.12	23.01	24.0	0.0		
40	PI2 BPSK	108	108	22.80	22.87	22.46	23.5	0.5		
40	PI2 BPSK	216	0	22.54	22.82	22.47		24.0	0.0	
40	QPSK	1	1	23.15	23.21	23.02				
40	QPSK	1	108	22.97	23.06	22.92				
40	QPSK	1	214	23.00	22.97	22.80		23.0	1.0	
40	QPSK	108	0	22.12	22.24	22.04	23.0			
40	QPSK	108	54	23.08	23.09	22.85	24.0			
40	QPSK	108	108	22.08	22.12	22.02	23.0	1.0		
40	QPSK	216	0	22.08	22.14	22.01		23.0	1.0	
40	16QAM	1	1	22.06	22.18	22.00	23.0			
40	64QAM	1	1	20.77	20.75	20.58	21.5	2.5		
40	256QAM	1	1	18.72	18.73	18.58	19.5	4.5		
Channel				372300	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1880	1892.5				
35	QPSK	1	1	23.05	23.09	22.89	24.0	0.0		
Channel				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1903	1900	1905				
30	QPSK	1	1	23.02	23.06	22.93	24.0	0.0		
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1880	1897.5				
25	QPSK	1	1	23.02	23.11	22.96	24.0	0.0		
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	1	23.01	23.11	22.90	24.0	0.0		
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	1	23.05	23.14	22.93	24.0	0.0		
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	1	23.08	23.13	22.91	24.0	0.0		
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	1	23.06	23.08	22.87	24.0	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				374000	376500	379000				
Frequency (MHz)				1870	1882.5	1895				
40	PI2 BPSK	1	1	23.04	23.08	23.01	24.0	0.0		
40	PI2 BPSK	1	108	22.98	23.04	22.93				
40	PI2 BPSK	1	214	22.95	23.06	22.90				
40	PI2 BPSK	108	0	22.50	22.58	22.49	23.5			0.5
40	PI2 BPSK	108	54	23.13	23.16	23.05	24.0			0.0
40	PI2 BPSK	108	108	22.50	22.58	22.49	23.5			0.5
40	PI2 BPSK	216	0	22.55	22.59	22.48				
40	QPSK	1	1	23.07	23.20	23.14	24.0	0.0		
40	QPSK	1	108	23.02	23.07	22.94				
40	QPSK	1	214	22.96	22.95	22.89				
40	QPSK	108	0	22.07	22.24	22.12	23.0	1.0		
40	QPSK	108	54	23.04	23.11	23.00	24.0	0.0		
40	QPSK	108	108	22.12	22.11	22.02	23.0	1.0		
40	QPSK	216	0	22.07	22.21	22.12				
40	16QAM	1	1	22.05	22.07	21.98	23.0	1.0		
40	64QAM	1	1	20.68	20.74	20.62	21.5	2.5		
40	256QAM	1	1	18.69	18.78	18.64	19.5	4.5		
Channel				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1887.5	1882.5	1897.5				
35	QPSK	1	1	22.95	23.03	23.07	24.0	0.0		
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1905	1892.5	1900				
30	QPSK	1	1	22.95	23.03	23.07	24.0	0.0		
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1862.5	1882.5	1892.5				
25	QPSK	1	1	22.94	23.08	23.07	24.0	0.0		
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1860	1882.5	1905 <td></td> <td colspan="2"></td>				
20	QPSK	1	1	23.00	23.09	23.09	24.0	0.0		
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1857.5	1882.5	1907.5				
15	QPSK	1	1	22.90	23.09	23.08	24.0	0.0		
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1882.5	1910				
10	QPSK	1	1	22.97	23.04	23.01	24.0	0.0		
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1882.5	1912.5				
5	QPSK	1	1	22.98	23.05	23.02	24.0	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				345000	345000	352000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI/2 BPSK	1	1	22.76	23.07	22.63			
40	PI/2 BPSK	1	108	22.71	22.67	22.53	24.0	0.0	
40	PI/2 BPSK	1	214	22.72	22.67	22.55			
40	PI/2 BPSK	108	0	22.40	22.56	22.18		23.5	
40	PI/2 BPSK	108	54	22.85	23.02	22.72	24.0	0.0	
40	PI/2 BPSK	108	108	22.29	22.52	22.15	23.5	0.5	
40	PI/2 BPSK	216	0	22.35	22.57	22.10	24.0	0.0	
40	QPSK	1	1	22.91	23.14	22.70			
40	QPSK	1	108	22.80	22.96	22.82			
40	QPSK	1	214	22.76	22.90	22.54	23.0	1.0	
40	QPSK	108	0	21.92	22.16	21.74		24.0	
40	QPSK	108	54	22.82	22.67	22.60		23.0	
40	QPSK	108	108	21.90	22.11	21.70	23.0	1.0	
40	QPSK	216	0	21.81	22.08	21.73		23.0	
40	16QAM	1	1	21.90	22.02	21.68	23.0	1.0	
40	64QAM	1	1	20.49	20.75	20.35	21.5	2.5	
40	256QAM	1	1	18.38	18.58	18.24	19.5	4.5	
Channel				345500	345000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765	24.0	0.0	
30	QPSK	1	1	22.78	23.07	22.60	24.0	0.0	
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0	
25	QPSK	1	1	22.85	23.03	22.55	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.79	23.07	22.58	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5	24.0	0.0	
15	QPSK	1	1	22.83	23.09	22.58	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	22.81	22.98	22.54	24.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	22.86	22.97	22.57	24.0	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				340000	340000	340000	24.0	0.0	
Frequency (MHz)				1702.5					
15	PI/2 BPSK	1	1		23.09				
15	PI/2 BPSK	1	40		23.08		23.5	0.5	
15	PI/2 BPSK	1	77		23.05			24.0	
15	PI/2 BPSK	36	0		22.73			23.5	
15	PI/2 BPSK	36	22		23.17		24.0	0.0	
15	PI/2 BPSK	36	43		22.61		23.5	0.5	
15	PI/2 BPSK	75	0		22.60		24.0	0.0	
15	QPSK	1	1		23.27				
15	QPSK	1	40		23.14				
15	QPSK	1	77		23.04		23.0	1.0	
15	QPSK	36	0		22.29			24.0	
15	QPSK	36	22		23.06			23.0	
15	QPSK	36	43		22.21		23.0	1.0	
15	QPSK	75	0		22.18			23.0	
15	16QAM	1	1		22.14		23.0	1.0	
15	64QAM	1	1		20.78		21.5	2.5	
15	256QAM	1	1		18.80		19.5	4.5	
Channel				340000	340000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	23.15	23.19	23.17	24.0	0.0	
Channel				339500	340000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	
5	QPSK	1	1	23.15	23.19	23.21	24.0	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				636000	641666	646332	18.3	0.0
Frequency (MHz)				3570	3624.99	3679.98		
40	PI2 BPSK	1	1	16.99	17.03	16.89		
40	PI2 BPSK	1	108	16.90	16.91	16.76	18.3	0.0
40	PI2 BPSK	1	214	16.76	16.85	16.70		
40	PI2 BPSK	108	0	17.00	17.00	16.83		
40	PI2 BPSK	108	54	16.83	16.91	16.87	18.3	0.0
40	PI2 BPSK	108	108	16.72	16.89	16.82		
40	PI2 BPSK	216	0	16.85	16.92	16.79		
40	QPSK	1	1	17.01	17.05	17.01	18.3	0.0
40	QPSK	1	108	16.85	16.99	16.77		
40	QPSK	1	214	16.92	17.03	16.99		
40	QPSK	108	0	16.61	16.71	16.74	18.3	0.0
40	QPSK	108	54	16.83	16.98	16.91		
40	QPSK	108	108	16.69	16.84	16.75		
40	QPSK	216	0	16.52	16.74	16.67	18.3	0.0
40	16QAM	1	1	16.69	16.86	16.77		
40	64QAM	1	1	16.78	16.83	16.63		
40	256QAM	1	1	16.72	16.87	16.68	18.3	0.0
Channel				637068	641666	645068		
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	16.92	16.89	16.87	18.3	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3590.01	3624.99	3690		
20	QPSK	1	1	16.85	16.84	16.97	18.3	0.0
Channel				637168	641666	646166		
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	16.95	16.91	16.88	18.3	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3555	3624.99	3694.99		
10	QPSK	1	1	16.94	16.94	16.90	18.3	0.0
Channel				637068	641666	645068		
Frequency (MHz)				3565.02	3624.99	3684.99		

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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				650000	650000	650000	16.5	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	15.34	15.32	15.21		
100	PI2 BPSK	1	137	15.24	15.22	15.20	16.5	0.0
100	PI2 BPSK	1	271	15.20	15.18	15.09		
100	PI2 BPSK	135	0	15.34	15.36	15.20		
100	PI2 BPSK	135	69	15.09	15.26	15.20	16.5	0.0
100	PI2 BPSK	135	138	15.10	15.24	15.06		
100	PI2 BPSK	270	0	15.16	15.27	15.16		
100	QPSK	1	1	15.30	15.41	15.27	16.5	0.0
100	QPSK	1	137	15.22	15.34	15.17		
100	QPSK	1	271	15.28	15.36	15.22		
100	QPSK	135	0	14.96	15.10	15.04	16.5	0.0
100	QPSK	135	69	15.22	15.35	15.22		
100	QPSK	135	138	15.10	15.00	15.03		
100	QPSK	270	0	14.84	15.12	14.95	16.5	0.0
100	16QAM	1	1	15.08	15.21	15.10		
100	64QAM	1	1	15.09	15.19	14.99		
100	256QAM	1	1	15.06	15.19	15.09	16.5	0.0
Channel				648668	650000	652234		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.20	15.30	15.15	16.5	0.0
Channel				649334	650000	652668		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.18	15.20	15.20	16.5	0.0
Channel				649000	650000	653000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.21	15.31	15.18	16.5	0.0
Channel				648668	650000	653334		
Frequency (MHz)				3720.02	3840	3950.01		
60	QPSK	1	1	15.19	15.36	15.21	16.5	0.0
Channel				648334	650000	653668		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.21	15.33	15.14	16.5	0.0
Channel				648000	650000	654000		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.15	15.26	15.19	16.5	0.0
Channel				647668	650000	654334		
Frequency (MHz)				3713.02	3840	3955.01		
30	QPSK	1	1	15.20	15.20	15.11	16.5	0.0
Channel				647500	650000	654500		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.21	15.30	15.18	16.5	0.0
Channel				647334	650000	654668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.21	15.35	15.14	16.5	0.0
Channel				647168	650000	654834		
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.20	15.30	15.21	16.5	0.0
Channel				647000	650000	655000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.26	15.26	15.18	16.5	0.0
Channel				647068	650000	655068		
Frequency (MHz)				3704.68	3840	3974.68		

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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							15.04	0.0
Frequency (MHz)								
100	PI2 BPSK	1	1		15.04		16.5	0.0
100	PI2 BPSK	1	137		15.00			
100	PI2 BPSK	1	271		15.02			
100	PI2 BPSK	135	0		15.08		16.5	0.0
100	PI2 BPSK	135	69		15.03			
100	PI2 BPSK	135	138		15.04			
100	PI2 BPSK	270	0		14.97		16.5	0.0
100	QPSK	1	1		15.17			
100	QPSK	1	137		15.06			
100	QPSK	1	271		15.13		16.5	0.0
100	QPSK	135	0		14.88			
100	QPSK	135	69		15.06			
100	QPSK	135	138		14.90		16.5	0.0
100	QPSK	270	0		14.94			
100	16QAM	1	1		14.89		16.5	0.0
100	64QAM	1	1		14.96			
100	256QAM	1	1		14.92			
Channel							15.04	0.0
Frequency (MHz)								
90	QPSK	1	1	15.08	15.07	15.10	16.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.09	15.11	15.03	16.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.04	15.12	15.01	16.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.02	15.08	15.10	16.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.06	15.02	15.04	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.06	15.01	15.06	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.01	15.02	15.12	16.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.02	15.04	15.05	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.12	15.10	15.09	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.05	15.08	15.02	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.13	15.01	15.02	16.5	0.0
Channel								
Frequency (MHz)								

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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				650000	650000	650000	16.5	0.0
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1	14.96	14.96		16.5	0.0
100	PI/2 BPSK	1	137		14.80			
100	PI/2 BPSK	1	271	14.87			16.5	0.0
100	PI/2 BPSK	135	0	14.94				
100	PI/2 BPSK	135	69		14.82		16.5	0.0
100	PI/2 BPSK	135	138		14.79			
100	PI/2 BPSK	270	0		14.83		16.5	0.0
100	QPSK	1	1	15.06				
100	QPSK	1	137	14.91			16.5	0.0
100	QPSK	1	271		14.92			
100	QPSK	135	0		14.69		16.5	0.0
100	QPSK	135	69		14.88			
100	QPSK	135	138		14.82		16.5	0.0
100	QPSK	270	0		14.70			
100	16QAM	1	1		14.78		16.5	0.0
100	64QAM	1	1		14.72			
100	256QAM	1	1		14.81		16.5	0.0
Channel				649668	650000	650334	16.5	MPR
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	14.99	14.94	14.97	16.5	0.0
Channel				649334	650000	650668	16.5	MPR
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.00	15.00	15.02	16.5	0.0
Channel				649000	650000	651000	16.5	MPR
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.99	14.92	14.93	16.5	0.0
Channel				648668	650000	651334	16.5	MPR
Frequency (MHz)				3730.02	3750	3770.03		
60	QPSK	1	1	15.00	14.90	14.98	16.5	0.0
Channel				648334	650000	651668	16.5	MPR
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.02	14.91	14.99	16.5	0.0
Channel				648000	650000	652000	16.5	MPR
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	14.93	14.93	14.96	16.5	0.0
Channel				647668	650000	652334	16.5	MPR
Frequency (MHz)				3715.02	3750	3725.01		
30	QPSK	1	1	15.01	14.92	14.95	16.5	0.0
Channel				647334	650000	652668	16.5	MPR
Frequency (MHz)				3710.01	3750	3730.02		
25	QPSK	1	1	14.99	14.99	14.94	16.5	0.0
Channel				647000	650000	653000	16.5	MPR
Frequency (MHz)				3712.5	3750	3787.5		
20	QPSK	1	1	15.01	14.98	14.94	16.5	0.0
Channel				646668	650000	653334	16.5	MPR
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.97	14.98	14.95	16.5	0.0
Channel				646334	650000	653668	16.5	MPR
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	15.01	14.98	14.97	16.5	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				633334	633334	635000	16.5	0.0
Frequency (MHz)								
100	PI/2 BPSK	1	1	14.92	14.92		16.5	0.0
100	PI/2 BPSK	1	137		14.75			
100	PI/2 BPSK	1	271	14.78			16.5	0.0
100	PI/2 BPSK	135	0	14.88				
100	PI/2 BPSK	135	69		14.81		16.5	0.0
100	PI/2 BPSK	135	138		14.83			
100	PI/2 BPSK	270	0		14.73		16.5	0.0
100	QPSK	1	1	15.08				
100	QPSK	1	137	14.99			16.5	0.0
100	QPSK	1	271		14.90			
100	QPSK	135	0		14.64		16.5	0.0
100	QPSK	135	69		14.88			
100	QPSK	135	138		14.87		16.5	0.0
100	QPSK	270	0		14.69			
100	16QAM	1	1		14.74		16.5	0.0
100	64QAM	1	1		14.72			
100	256QAM	1	1		14.74		16.5	0.0
Channel				633000	633334	633668	16.5	MPR
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.96	15.00	14.93	16.5	0.0
Channel				632668	633334	634000	16.5	MPR
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	14.92	14.99	14.94	16.5	0.0
Channel				632334	633334	634334	16.5	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.92	14.95	15.02	16.5	0.0
Channel				632000	633334	634668	16.5	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.96	14.96	14.94	16.5	0.0
Channel				631668	633334	635000	16.5	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.91	14.93	14.93	16.5	0.0
Channel				631334	633334	635334	16.5	MPR
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.90	14.92	14.99	16.5	0.0
Channel				631000	633334	635668	16.5	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.92	14.92	14.97	16.5	0.0
Channel				630668	633334	635834	16.5	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.02	15.00	14.93	16.5	0.0
Channel				630334	633334	636000	16.5	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.97	14.99	15.02	16.5	0.0
Channel				630000	633334	636168	16.5	MPR
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	14.97	15.01	15.01	16.5	0.0
Channel				630334	633334	636334	16.5	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.93	14.94	15.01	16.5	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				630000	641666	645332	14.7	0.0
Frequency (MHz)				3670	3624.99	3679.98		
40	PI2 BPSK	1	1	13.05	13.14	13.01	14.7	0.0
40	PI2 BPSK	1	108	13.04	12.98	12.95		
40	PI2 BPSK	1	214	12.95	13.00	12.87	14.7	0.0
40	PI2 BPSK	108	0	13.08	13.09	12.92		
40	PI2 BPSK	108	54	12.93	13.00	12.97	14.7	0.0
40	PI2 BPSK	108	108	12.86	13.01	12.93		
40	PI2 BPSK	216	0	13.06	13.06	12.96	14.7	0.0
40	QPSK	1	1	13.16	13.26	13.07		
40	QPSK	1	108	12.97	13.19	13.02	14.7	0.0
40	QPSK	1	214	13.07	13.15	13.05		
40	QPSK	108	0	12.84	12.85	12.78	14.7	0.0
40	QPSK	108	54	12.97	13.08	13.07		
40	QPSK	108	108	12.84	12.78	12.85	14.7	0.0
40	QPSK	216	0	12.76	12.89	12.74		
40	16QAM	1	1	12.91	12.94	12.90	14.7	0.0
40	64QAM	1	1	12.88	13.00	12.82		
40	256QAM	1	1	12.84	13.02	12.88	14.7	0.0
Channel				637000	641666	645666		
Frequency (MHz)				3665.02	3624.99	3664.99	14.7	0.0
30	QPSK	1	1	13.03	13.14	12.97		
Channel				637334	641666	646000	14.7	0.0
Frequency (MHz)				3660.01	3624.99	3630		
20	QPSK	1	1	13.10	13.22	12.97	14.7	0.0
Channel				637168	641666	646166		
Frequency (MHz)				3657.52	3624.99	3662.48	14.7	0.0
15	QPSK	1	1	13.04	13.10	13.00		
Channel				637000	641666	646332	14.7	0.0
Frequency (MHz)				3655	3624.99	3664.98		
10	QPSK	1	1	13.10	13.18	12.98	14.7	0.0

Part27O n77 PC2/3 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				650000	650000	662000	14.1	0.0
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	12.62	12.62	12.56	14.1	0.0
100	PI2 BPSK	1	137	12.48	12.50	12.50		
100	PI2 BPSK	1	271	12.47	12.50	12.41	14.1	0.0
100	PI2 BPSK	135	0	12.86	12.69	12.50		
100	PI2 BPSK	135	69	12.43	12.57	12.45	14.1	0.0
100	PI2 BPSK	135	138	12.45	12.54	12.41		
100	PI2 BPSK	270	0	12.47	12.50	12.54	14.1	0.0
100	QPSK	1	1	12.71	12.72	12.84		
100	QPSK	1	137	12.59	12.68	12.51	14.1	0.0
100	QPSK	1	271	12.49	12.69	12.59		
100	QPSK	135	0	12.37	12.35	12.34	14.1	0.0
100	QPSK	135	69	12.43	12.63	12.58		
100	QPSK	135	138	12.36	12.28	12.36	14.1	0.0
100	QPSK	270	0	12.19	12.42	12.32		
100	16QAM	1	1	12.36	12.51	12.40	14.1	0.0
100	64QAM	1	1	12.44	12.41	12.30		
100	256QAM	1	1	12.46	12.48	12.39	14.1	0.0
Channel				648668	650000	662334		
Frequency (MHz)				3745.02	3840	3935.01	14.1	0.0
90	QPSK	1	1	12.59	12.64	12.58		
Channel				649334	650000	662668	14.1	0.0
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.64	12.59	12.54	14.1	0.0
Channel				649000	650000	663000		
Frequency (MHz)				3735	3840	3945	14.1	0.0
70	QPSK	1	1	12.64	12.61	12.52		
Channel				648668	650000	663334	14.1	0.0
Frequency (MHz)				3730.02	3840	3940.01		
60	QPSK	1	1	12.60	12.57	12.53	14.1	0.0
Channel				648334	650000	663668		
Frequency (MHz)				3725.01	3840	3955.02	14.1	0.0
50	QPSK	1	1	12.55	12.63	12.52		
Channel				648000	650000	664000	14.1	0.0
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.64	12.60	12.59	14.1	0.0
Channel				647668	650000	664334		
Frequency (MHz)				3713.02	3840	3965.01	14.1	0.0
30	QPSK	1	1	12.57	12.59	12.50		
Channel				647500	650000	664500	14.1	0.0
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	12.65	12.64	12.51	14.1	0.0
Channel				647334	650000	664668		
Frequency (MHz)				3710.01	3840	3970.02	14.1	0.0
20	QPSK	1	1	12.65	12.56	12.59		
Channel				647168	650000	664834	14.1	0.0
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	12.65	12.65	12.60	14.1	0.0
Channel				647000	650000	665000		
Frequency (MHz)				3705	3840	3975	14.1	0.0
10	QPSK	1	1	12.61	12.64	12.55		

Part27Q n77 PC2/3 Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633334	633334		14.1	0.0
Frequency (MHz)				3500.01				
100	PI2 BPSK	1	1		12.34		14.1	0.0
100	PI2 BPSK	1	137		12.25			
100	PI2 BPSK	1	271		12.20		14.1	0.0
100	PI2 BPSK	135	0		12.34			
100	PI2 BPSK	135	69		12.28		14.1	0.0
100	PI2 BPSK	135	138		12.21			
100	PI2 BPSK	270	0		12.16		14.1	0.0
100	QPSK	1	1		12.41			
100	QPSK	1	137		12.30		14.1	0.0
100	QPSK	1	271		12.36			
100	QPSK	135	0		12.12		14.1	0.0
100	QPSK	135	69		12.25			
100	QPSK	135	138		12.11		14.1	0.0
100	QPSK	270	0		12.16			
100	16QAM	1	1		12.12		14.1	0.0
100	64QAM	1	1		12.14			
100	256QAM	1	1		12.18		14.1	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02	14.1	0.0
90	QPSK	1	1	12.33	12.37	12.30		
Channel				632668	633334	634000	14.1	0.0
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.30	12.31	12.28	14.1	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01	14.1	0.0
70	QPSK	1	1	12.28	12.29	12.31		
Channel				632000	633334	634668	14.1	0.0
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.28	12.27	12.35	14.1	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525	14.1	0.0
50	QPSK	1	1	12.27	12.25	12.35		
Channel				631334	633334	635334	14.1	0.0
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.31	12.30	12.30	14.1	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02	14.1	0.0
30	QPSK	1	1	12.31	12.31	12.29		
Channel				630668	633334	635834	14.1	0.0
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.26	12.34	12.25	14.1	0.0
Channel				630368	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540	14.1	0.0
20	QPSK	1	1	12.29	12.26	12.28		
Channel				630050	633334	636168	14.1	0.0
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.30	12.28	12.26	14.1	0.0
Channel				629734	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01	14.1	0.0
10	QPSK	1	1	12.27	12.33	12.32		

Part270 n78 PC2/3 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		12.43		14.1	0.0	
100	PI/2 BPSK	1	137		12.34				
100	PI/2 BPSK	1	271		12.35				
100	PI/2 BPSK	135	0		12.45		14.1	0.0	
100	PI/2 BPSK	135	69		12.28		14.1	0.0	
100	PI/2 BPSK	135	138		12.28		14.1	0.0	
100	PI/2 BPSK	270	0		12.32		14.1	0.0	
100	QPSK	1	1		12.36				
100	QPSK	1	137		12.45				
100	QPSK	1	271		12.51		14.1	0.0	
100	QPSK	135	0		12.14				
100	QPSK	135	69		12.34				
100	QPSK	135	138		12.14		14.1	0.0	
100	QPSK	270	0		12.18		14.1	0.0	
100	16QAM	1	1		12.22		14.1	0.0	
100	64QAM	1	1		12.23		14.1	0.0	
100	256QAM	1	1		12.28		14.1	0.0	
Channel				649668	650000	650334			
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	12.47	12.44	12.48	14.1	0.0	
Channel				649334	650000	650668			
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1	12.41	12.42	12.50	14.1	0.0	
Channel				649000	650000	651000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	12.44	12.42	12.42	14.1	0.0	
Channel				648668	650000	651334			
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	12.49	12.43	12.52	14.1	0.0	
Channel				648334	650000	651668			
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	12.41	12.43	12.49	14.1	0.0	
Channel				648000	650000	652000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	12.41	12.50	12.48	14.1	0.0	
Channel				647668	650000	652334			
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	12.43	12.45	12.44	14.1	0.0	
Channel				647334	650000	652668			
Frequency (MHz)				3710.01	3750	3790.02			
25	QPSK	1	1	12.49	12.44	12.50	14.1	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
20	QPSK	1	1	12.40	12.47	12.50	14.1	0.0	
Channel				647168	650000	652834			
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	12.42	12.41	12.51	14.1	0.0	
Channel				647000	650000	653000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	12.42	12.49	12.50	14.1	0.0	

Part27Q n78 PC2/3 Ant 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633334					
Frequency (MHz)				3500.01					
100	PI/2 BPSK	1	1		12.29		14.1	0.0	
100	PI/2 BPSK	1	137		12.26				
100	PI/2 BPSK	1	271		12.23				
100	PI/2 BPSK	135	0		12.32		14.1	0.0	
100	PI/2 BPSK	135	69		12.19		14.1	0.0	
100	PI/2 BPSK	135	138		12.20		14.1	0.0	
100	PI/2 BPSK	270	0		12.16		14.1	0.0	
100	QPSK	1	1		12.17				
100	QPSK	1	137		12.31				
100	QPSK	1	271		12.35		14.1	0.0	
100	QPSK	135	0		12.11				
100	QPSK	135	69		12.33				
100	QPSK	135	138		12.13		14.1	0.0	
100	QPSK	270	0		12.18		14.1	0.0	
100	16QAM	1	1		12.15		14.1	0.0	
100	64QAM	1	1		12.15		14.1	0.0	
100	256QAM	1	1		12.17		14.1	0.0	
Channel				633000	633334	633668			
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	12.36	12.33	12.37	14.1	0.0	
Channel				632668	633334	634000			
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	12.35	12.42	12.33	14.1	0.0	
Channel				632334	633334	634334			
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	12.35	12.32	12.32	14.1	0.0	
Channel				632000	633334	634668			
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	12.42	12.32	12.33	14.1	0.0	
Channel				631668	633334	635000			
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	12.35	12.35	12.41	14.1	0.0	
Channel				631334	633334	635334			
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	12.43	12.32	12.36	14.1	0.0	
Channel				631000	633334	635668			
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	12.43	12.29	12.39	14.1	0.0	
Channel				630668	633334	635834			
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	12.36	12.43	12.38	14.1	0.0	
Channel				630334	633334	636000			
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	12.37	12.38	12.35	14.1	0.0	
Channel				630000	633334	636168			
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1	12.42	12.40	12.33	14.1	0.0	
Channel				630334	633334	636334			
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	12.41	12.36	12.33	14.1	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				518004	519000	519996			
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	15.41	15.41	15.33			
40	PI/2 BPSK	1	53	15.16	15.31	15.26	16.4	0.0	
40	PI/2 BPSK	1	104	15.16	15.34	15.03			
40	PI/2 BPSK	50	0	15.48	15.50	15.23	16.4	0.0	
40	PI/2 BPSK	50	28	15.14	15.29	15.25	16.4	0.0	
40	PI/2 BPSK	50	56	15.16	15.34	15.08	16.4	0.0	
40	PI/2 BPSK	100	0	15.27	15.23	15.32			
40	QPSK	1	1	15.38	15.36	15.36			
40	QPSK	1	53	15.27	15.47	15.25	16.4	0.0	
40	QPSK	1	104	15.41	15.42	15.32			
40	QPSK	50	0	15.14	15.22	15.22	16.4	0.0	
40	QPSK	50	28	15.25	15.39	15.28	16.4	0.0	
40	QPSK	50	56	15.16	15.06	15.10			
40	QPSK	100	0	15.13	15.20	15.16	16.4	0.0	
40	16QAM	1	1	15.10	15.23	15.12	16.4	0.0	
40	64QAM	1	1	15.16	15.21	15.04	16.4	0.0	
40	256QAM	1	1	15.23	15.35	15.13	16.4	0.0	
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	15.31	15.46	15.23	16.4	0.0	
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2582.52	2595	2607.48			
25	QPSK	1	1	15.29	15.50	15.34	16.4	0.0	
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	15.30	15.47	15.31	16.4	0.0	
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	15.31	15.40	15.24	16.4	0.0	
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	15.27	15.48	15.28	16.4	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				506002	518998	520000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	15.47	15.56	15.43			
100	PI/2 BPSK	1	137	15.31	15.35	15.36	16.4	0.0	
100	PI/2 BPSK	1	271	15.33	15.43	15.19			
100	PI/2 BPSK	135	0	15.54	15.54	15.35	16.4	0.0	
100	PI/2 BPSK	135	69	15.28	15.36	15.32	16.4	0.0	
100	PI/2 BPSK	135	138	15.25	15.39	15.24	16.4	0.0	
100	PI/2 BPSK	270	0	15.36	15.35	15.41			
100	QPSK	1	1	15.48	15.44	15.50			
100	QPSK	1	137	15.37	15.51	15.37	16.4	0.0	
100	QPSK	1	271	15.45	15.57	15.40			
100	QPSK	135	0	15.20	15.31	15.26	16.4	0.0	
100	QPSK	135	69	15.33	15.51	15.38	16.4	0.0	
100	QPSK	135	138	15.24	15.17	15.24			
100	QPSK	270	0	15.06	15.24	15.21	16.4	0.0	
100	16QAM	1	1	15.20	15.38	15.24	16.4	0.0	
100	64QAM	1	1	15.23	15.30	15.17	16.4	0.0	
100	256QAM	1	1	15.29	15.40	15.23	16.4	0.0	
Channel				506000	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	15.43	15.50	15.38	16.4	0.0	
Channel				507204	518998	520998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	15.36	15.49	15.35	16.4	0.0	
Channel				506202	518998	521000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	15.41	15.52	15.36	16.4	0.0	
Channel				505200	518998	521998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2524	2592.99	2654.98			
60	QPSK	1	1	15.34	15.50	15.37	16.4	0.0	
Channel				504204	518998	522998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	15.43	15.52	15.40	16.4	0.0	
Channel				503200	518998	523498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	15.45	15.52	15.37	16.4	0.0	
Channel				503202	518998	524000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	15.42	15.52	15.38	16.4	0.0	
Channel				502704	518998	524498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	15.33	15.48	15.40	16.4	0.0	
Channel				502200	518998	524998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	15.39	15.55	15.35	16.4	0.0	
Channel				501702	518998	525500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	15.38	15.54	15.38	16.4	0.0	
Channel				501204	518998	525998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	15.44	15.54	15.36	16.4	0.0	
Channel				500700	518998	526496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.15	2592.99	2682.43			
15	QPSK	1	1	15.40	15.60	15.40	16.4	0.0	
Channel				500202	518998	527000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	15.45	15.60	15.44	16.4	0.0	



n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				376000	376000	376000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.50	22.75	22.71	24.0	0.0	
40	PI2 BPSK	1	108	22.50	22.73	22.68			
40	PI2 BPSK	1	214	22.58	22.76	22.60			
40	PI2 BPSK	108	0	22.08	22.28	22.23	23.5	0.5	
40	PI2 BPSK	108	54	22.53	22.78	22.63	24.0	0.0	
40	PI2 BPSK	108	108	22.02	22.23	22.18	23.5	0.5	
40	PI2 BPSK	216	0	22.05	22.23	22.12			
40	QPSK	1	1	22.62	22.62	22.73	24.0	0.0	
40	QPSK	1	108	22.53	22.77	22.59			
40	QPSK	1	214	22.53	22.75	22.68	23.0	1.0	
40	QPSK	108	0	21.57	21.82	21.69			
40	QPSK	108	54	22.52	22.77	22.68			
40	QPSK	108	108	21.54	21.78	21.61	23.0	1.0	
40	QPSK	216	0	21.51	21.79	21.60			
40	16QAM	1	1	21.45	21.75	21.58	23.0	1.0	
40	64QAM	1	1	20.14	20.39	20.34	21.5	2.5	
40	256QAM	1	1	18.15	18.34	18.23	19.5	4.5	
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1890	1892.5			
35	QPSK	1	1	22.51	22.74	22.67	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892	1890	1892			
30	QPSK	1	1	22.55	22.65	22.63	24.0	0.0	
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1890	1897.5			
25	QPSK	1	1	22.57	22.67	22.66	24.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1890	1900			
20	QPSK	1	1	22.49	22.69	22.58	24.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1890	1902.5			
15	QPSK	1	1	22.48	22.77	22.58	24.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1890	1905			
10	QPSK	1	1	22.48	22.75	22.62	22.0	1.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1890	1907.5			
5	QPSK	1	1	22.46	22.67	22.59	19.0	2.5	

Full & Default Power_Other PA									
n25 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				374000	376500	379000	24.0	0.0	
Frequency (MHz)				1870	1882.5	1895			
40	PI2 BPSK	1	1	22.59	22.69	22.61	24.0	0.0	
40	PI2 BPSK	1	108	22.48	22.59	22.45			
40	PI2 BPSK	1	214	22.52	22.60	22.45			
40	PI2 BPSK	108	0	22.10	22.24	22.08	23.5	0.5	
40	PI2 BPSK	108	54	22.89	22.69	22.61	24.0	0.0	
40	PI2 BPSK	108	108	22.14	22.14	22.07	23.5	0.5	
40	PI2 BPSK	216	0	22.09	22.21	22.05			
40	QPSK	1	1	22.85	22.70	22.71	24.0	0.0	
40	QPSK	1	108	22.55	22.67	22.49			
40	QPSK	1	214	22.51	22.60	22.45	23.0	1.0	
40	QPSK	108	0	21.88	21.77	21.71			
40	QPSK	108	54	22.84	22.70	22.62			
40	QPSK	108	108	21.86	21.71	21.63	23.0	1.0	
40	QPSK	216	0	21.62	21.69	21.68			
40	16QAM	1	1	21.65	21.73	21.63	23.0	1.0	
40	64QAM	1	1	20.23	20.38	20.22	21.5	2.5	
40	256QAM	1	1	18.21	18.33	18.15	19.5	4.5	
Channel				372500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1897.5			
35	QPSK	1	1	22.56	22.71	22.56	24.0	0.0	
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892	1892.5	1900			
30	QPSK	1	1	22.59	22.71	22.56	24.0	0.0	
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1892.5	1902.5			
25	QPSK	1	1	22.49	22.73	22.56	24.0	0.0	
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1880	1892.5	1905			
20	QPSK	1	1	22.56	22.73	22.64	24.0	0.0	
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1887.5	1892.5	1907.5			
15	QPSK	1	1	22.59	22.68	22.64	24.0	0.0	
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1885	1892.5	1910			
10	QPSK	1	1	22.48	22.62	22.66	24.0	0.0	
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1882.5	1892.5	1912.5			
5	QPSK	1	1	22.50	22.67	22.64	24.0	0.0	

n66 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				346000	346000	346000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.49	22.50	22.44	24.0	0.0	
40	PI2 BPSK	1	108	22.45	22.46	22.39			
40	PI2 BPSK	1	214	22.43	22.50	22.37			
40	PI2 BPSK	108	0	22.04	22.14	21.91	23.5	0.5	
40	PI2 BPSK	108	54	22.51	22.57	22.42	24.0	0.0	
40	PI2 BPSK	108	108	22.01	22.06	21.92	23.5	0.5	
40	PI2 BPSK	216	0	22.03	22.10	21.82			
40	QPSK	1	1	22.57	22.66	22.50	24.0	0.0	
40	QPSK	1	108	22.48	22.50	22.34			
40	QPSK	1	214	22.41	22.45	22.37	23.0	1.0	
40	QPSK	108	0	21.52	21.59	21.55			
40	QPSK	108	54	22.51	22.64	22.51			
40	QPSK	108	108	21.57	21.58	21.51	23.0	1.0	
40	QPSK	216	0	21.53	21.58	21.45			
40	16QAM	1	1	21.49	21.57	21.46	23.0	1.0	
40	64QAM	1	1	20.11	20.27	20.05	21.5	2.5	
40	256QAM	1	1	18.16	18.11	17.99	19.5	4.5	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	22.43	22.50	22.40	24.0	0.0	
Channel				345000	346000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1762			
30	QPSK	1	1	22.43	22.50	22.40	24.0	0.0	
Channel				344500	346000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.52	22.54	22.41	24.0	0.0	
Channel				343000	346000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.43	22.58	22.42	24.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.42	22.56	22.33	24.0	0.0	
Channel				343000	346000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.46	22.56	22.39	24.0	0.0	
Channel				342500	346000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.49	22.56	22.37	24.0	0.0	

n70 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				345000			24.0	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1	22.89			24.0	0.0
15	PI2 BPSK	1	40	22.76				
15	PI2 BPSK	1	77	22.80				
15	PI2 BPSK	36	0	22.38			23.5	0.5
15	PI2 BPSK	36	22	22.89			24.0	0.0
15	PI2 BPSK	36	43	22.40			23.5	0.5
15	PI2 BPSK	75	0	22.36				
15	QPSK	1	1	22.97			24.0	0.0
15	QPSK	1	40	22.81				
15	QPSK	1	77	22.80				
15	QPSK	36	0	21.96			23.0	1.0
15	QPSK	36	22	22.88			24.0	0.0
15	QPSK	36	43	21.91			23.0	1.0
15	QPSK	75	0	21.99				
15	16QAM	1	1	21.90			23.0	1.0
15	64QAM	1	1	20.58			21.5	2.5
15	256QAM	1	1	18.49			18.5	4.5
Channel				340000	340500	341000	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.84	22.80	22.80	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dbm)	MPR (db)
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	22.87	22.90	22.81	24.0	0.0

n41 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				505002	518598	530000	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.74	22.89	22.80	24.0	0.0	
100	PI2 BPSK	1	137	22.75	22.79	22.84			
100	PI2 BPSK	1	271	22.73	22.82	22.92	24.0	0.0	
100	PI2 BPSK	135	0	22.40	22.40	22.42			
100	PI2 BPSK	135	69	22.81	22.91	22.95	24.0	0.0	
100	PI2 BPSK	135	138	22.33	22.37	22.41	24.0	0.0	
100	PI2 BPSK	270	0	22.27	22.41	22.30	24.0	0.0	
100	QPSK	1	1	22.86	22.99	22.96			
100	QPSK	1	137	22.70	22.81	22.85	24.0	0.0	
100	QPSK	1	271	22.71	22.74	22.71			
100	QPSK	135	0	22.65	22.76	22.80	24.0	0.0	
100	QPSK	135	69	22.81	22.90	22.86	24.0	0.0	
100	QPSK	135	138	22.82	22.85	22.74	24.0	0.0	
100	QPSK	270	0	22.83	22.77	22.76	24.0	0.0	
100	16QAM	1	1	22.85	22.68	22.76	24.0	0.0	
100	16QAM	1	1	22.83	22.70	22.79	24.0	0.0	
100	256QAM	1	1	21.34	21.52	21.44	22.5	1.5	
Channel				505203	518599	530996	24.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.76	22.86	22.88	24.0	0.0	
Channel				507204	518598	529998	24.0	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel				506002	518598	531000	24.0	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.80	22.91	22.89	24.0	0.0	
Channel				505200	518598	531996	24.0	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.88			
60	QPSK	1	1	22.79	22.88	22.85	24.0	0.0	
Channel				504204	518598	530998	24.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.80	22.88	22.82	24.0	0.0	
Channel				2518.5	2592.99	2667.48	24.0	0.0	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.71	22.88	22.85	24.0	0.0	
Channel				503202	518598	534000	24.0	MPR (dB)	
Frequency (MHz)				2512.01	2592.99	2570			
40	QPSK	1	1	22.82	22.91	22.80	24.0	0.0	
Channel				502704	518598	534498	24.0	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.72	22.86	22.80	24.0	0.0	
Channel				502200	518598	534996	24.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.86			
30	QPSK	1	1	22.79	22.86	22.83	24.0	0.0	
Channel				501702	518598	535500	24.0	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.83	22.89	22.79	24.0	0.0	
Channel				501204	518599	535996	24.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.72	22.88	22.87	24.0	0.0	
Channel				500700	518598	536496	24.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.76	22.82	22.80	24.0	0.0	
Channel				500202	518598	537000	24.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.78	22.93	22.86	24.0	0.0	

n41 PC2 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				506002	518598	528000	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.74	22.89	22.80	24.0	0.0	
100	PI2 BPSK	1	137	22.75	22.79	22.84			
100	PI2 BPSK	1	271	22.73	22.82	22.82	23.5	0.5	
100	PI2 BPSK	135	0	22.40	22.40	22.42			
100	PI2 BPSK	135	69	22.81	22.91	22.95	24.0	0.0	
100	PI2 BPSK	135	138	22.33	22.37	22.41	23.5	0.5	
100	PI2 BPSK	270	0	22.27	22.41	22.30	24.0	0.0	
100	QPSK	1	1	22.88	22.99	22.96			
100	QPSK	1	137	22.70	22.70	22.81	24.0	0.0	
100	QPSK	1	271	22.71	22.74	22.71			
100	QPSK	135	0	22.65	22.76	22.80	23.0	1.0	
100	QPSK	135	69	22.81	22.90	22.86	24.0	0.0	
100	QPSK	135	138	22.82	22.85	22.74	23.0	1.0	
100	QPSK	270	0	22.83	22.77	22.76	24.0	0.0	
100	16QAM	1	1	22.85	22.68	22.76	23.0	1.0	
100	64QAM	1	1	22.83	22.70	22.79	21.5	2.5	
100	256QAM	1	1	21.34	21.52	21.44	19.5	4.5	
Channel				505203	518599	529996	24.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.76	22.86	22.88	24.0	0.0	
Channel				507204	518598	529998	24.0	MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel				506002	518598	531000	24.0	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.80	22.91	22.89	24.0	0.0	
Channel				505200	518598	531996	24.0	MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.88			
60	QPSK	1	1	22.79	22.88	22.85	24.0	0.0	
Channel				504204	518598	530998	24.0	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.80	22.88	22.82	24.0	0.0	
Channel				2518.5	2592.99	2667.48	24.0	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.71	22.88	22.85	24.0	0.0	
Channel				503202	518598	534000	24.0	MPR (dB)	
Frequency (MHz)				2512.01	2592.99	2670			
40	QPSK	1	1	22.82	22.91	22.80	24.0	0.0	
Channel				502704	518598	534498	24.0	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.72	22.86	22.80	24.0	0.0	
Channel				502200	518598	534996	24.0	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.86			
30	QPSK	1	1	22.79	22.86	22.83	24.0	0.0	
Channel				501702	518598	535500	24.0	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.83	22.89	22.79	24.0	0.0	
Channel				501204	518599	535998	24.0	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.72	22.88	22.87	24.0	1.0	
Channel				500700	518598	536496	24.0	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.76	22.92	22.86	24.0	2.5	
Channel				500202	518598	537000	24.0	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.78	22.93	22.86	24.0	2.5	



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				376000	376000	376000	24.0	0.0	
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.40	22.54	22.47	24.0	0.0	
40	PI2 BPSK	1	108	22.33	22.41	22.41			
40	PI2 BPSK	1	214	22.42	22.42	22.39	23.5	0.5	
40	PI2 BPSK	108	0	21.98	22.10	22.02			
40	PI2 BPSK	108	54	22.52	22.54	22.52	24.0	0.0	
40	PI2 BPSK	108	108	21.92	21.99	21.90	23.5	0.5	
40	PI2 BPSK	216	0	21.90	22.06	21.93			
40	QPSK	1	1	22.57	22.58	22.47	24.0	0.0	
40	QPSK	1	108	22.40	22.47	22.42			
40	QPSK	1	214	22.40	22.43	22.29	23.0	1.0	
40	QPSK	108	0	21.59	21.56	21.57			
40	QPSK	108	54	22.44	22.51	22.43	24.0	0.0	
40	QPSK	108	108	21.46	21.52	21.51	23.0	1.0	
40	QPSK	216	0	21.52	21.55	21.55			
40	16QAM	1	1	21.42	21.53	21.44	23.0	1.0	
40	64QAM	1	1	20.15	20.12	20.12	21.5	2.5	
40	256QAM	1	1	18.12	18.08	18.01	19.5	4.5	
Channel				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.48	22.49	22.41	24.0	0.0	
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1905	1910	1905	24.0	0.0	
30	QPSK	1	1	22.50	22.45	22.39			
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5	24.0	0.0	
25	QPSK	1	1	22.43	22.42	22.37			
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1880	1900	24.0	0.0	
20	QPSK	1	1	22.48	22.42	22.40			
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5	24.0	0.0	
15	QPSK	1	1	22.48	22.42	22.32			
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905	24.0	0.0	
10	QPSK	1	1	22.47	22.44	22.40			
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5	24.0	2.5	
5	QPSK	1	1	22.48	22.53	22.39			

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				372000	376500	379000	24.0	0.0	
Frequency (MHz)				1870	1882.5	1885			
40	PI2 BPSK	1	1	22.40	22.52	22.41	24.0	0.0	
40	PI2 BPSK	1	108	22.32	22.45	22.35			
40	PI2 BPSK	1	214	22.38	22.42	22.32	23.5	0.5	
40	PI2 BPSK	108	0	21.93	22.00	22.02			
40	PI2 BPSK	108	54	22.53	22.52	22.53	24.0	0.0	
40	PI2 BPSK	108	108	21.99	21.99	22.01	23.5	0.5	
40	PI2 BPSK	216	0	21.96	22.04	22.01			
40	QPSK	1	1	22.53	22.58	22.51	24.0	0.0	
40	QPSK	1	108	22.42	22.48	22.44			
40	QPSK	1	214	22.28	22.38	22.32	23.0	1.0	
40	QPSK	108	0	21.49	21.59	21.56			
40	QPSK	108	54	22.34	22.49	22.41	24.0	0.0	
40	QPSK	108	108	21.46	21.57	21.54	23.0	1.0	
40	QPSK	216	0	21.48	21.45	21.42			
40	16QAM	1	1	21.48	21.55	21.51	23.0	1.0	
40	64QAM	1	1	20.08	20.16	20.12	21.5	2.5	
40	256QAM	1	1	18.01	18.11	18.09	19.5	4.5	
Channel				372500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1882.5	1897.5	24.0	0.0	
35	QPSK	1	1	22.48	22.50	22.40			
Channel				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1905	1912.5	1910	24.0	0.0	
30	QPSK	1	1	22.48	22.50	22.40			
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1882.5	1902.5	24.0	0.0	
25	QPSK	1	1	22.47	22.48	22.36			
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1882.5	1905	24.0	0.0	
20	QPSK	1	1	22.40	22.47	22.42			
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1882.5	1907.5	24.0	0.0	
15	QPSK	1	1	22.39	22.45	22.43			
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1882.5	1910	24.0	0.0	
10	QPSK	1	1	22.43	22.45	22.39			
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1882.5	1912.5	24.0	0.0	
5	QPSK	1	1	22.44	22.50	22.35			

n66 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				346000	348000	350000	24.0	0.0	
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.46	22.88	22.64	24.0	0.0	
40	PI2 BPSK	1	108	22.35	22.73	22.56			
40	PI2 BPSK	1	214	22.39	22.76	22.51	23.5	0.5	
40	PI2 BPSK	108	0	21.98	22.39	22.10			
40	PI2 BPSK	108	54	22.58	22.86	22.61	24.0	0.0	
40	PI2 BPSK	108	108	22.02	22.35	22.13	23.5	0.5	
40	PI2 BPSK	216	0	22.00	22.38	22.13			
40	QPSK	1	1	22.38	22.92	22.74	24.0	0.0	
40	QPSK	1	108	22.38	22.80	22.55			
40	QPSK	1	214	22.37	22.68	22.44	23.0	1.0	
40	QPSK	108	0	21.58	21.96	21.73			
40	QPSK	108	54	22.45	22.81	22.58	24.0	0.0	
40	QPSK	108	108	21.35	21.83	21.64	23.0	1.0	
40	QPSK	216	0	21.53	21.98	21.72			
40	16QAM	1	1	21.52	21.84	21.58	23.0	1.0	
40	64QAM	1	1	20.15	20.50	20.23	21.5	2.5	
40	256QAM	1	1	18.03	18.47	18.20	19.5	4.5	
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	22.51	22.77	22.59			
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>	24.0	0.0	
30	QPSK	1	1	22.51	22.77	22.59			
Channel				344500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>	24.0	0.0	
25	QPSK	1	1	22.48	22.79	22.60			
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770 <td>24.0</td> <td colspan="2">0.0</td>	24.0	0.0	
20	QPSK	1	1	22.45	22.82	22.59	24.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>	24.0	0.0	
15	QPSK	1	1	22.44	22.81	22.51			
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>	24.0	0.0	
10	QPSK	1	1	22.42	22.80	22.68			
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5 <td rowspan="2">24.0</td> <td colspan="2" rowspan="2">0.0</td>	24.0	0.0	
5	QPSK	1	1	22.52	22.80	22.61			

n70 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				340500			24.0	0.0
Frequency (MHz)				1702.5				
15	PI2 BPSK	1	1		23.13		24.0	0.0
15	PI2 BPSK	1	40		23.03			
15	PI2 BPSK	1	77		22.98		23.5	0.5
15	PI2 BPSK	36	0		22.83			
15	PI2 BPSK	36	22		23.17		24.0	0.0
15	PI2 BPSK	36	43		22.99			
15	PI2 BPSK	75	0		22.99		23.5	0.5
15	QPSK	1	1		23.25			
15	QPSK	1	40		23.10		24.0	0.0
15	QPSK	1	77		23.02			
15	QPSK	36	0		22.22		23.0	1.0
15	QPSK	36	22		23.05			
15	QPSK	36	43		22.12		24.0	0.0
15	QPSK	75	0		22.11			
15	16QAM	1	1		22.11		23.0	1.0
15	64QAM	1	1		20.81			
15	256QAM	1	1		18.68		21.5	2.5
Channel				340000	340500	341000		
Frequency (MHz)				1700	1702.5	1705	Tune-up limit (dBm)	
10	QPSK	1	1	23.14	23.11	23.16	24.0	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	
Frequency (MHz)				1697.5	1702.5	1707.5	MPR (dB)	
5	QPSK	1	1	23.11	23.11	23.12	24.0	0.0
				2.59				

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				505002	518598	530000	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	22.92	23.06	23.09	24.0	0.0	
100	PI2 BPSK	1	137	22.80	23.06	22.94			
100	PI2 BPSK	1	271	22.85	22.98	22.91	24.0	0.0	
100	PI2 BPSK	135	0	22.40	22.72	22.83			
100	PI2 BPSK	135	69	22.98	23.15	23.11	24.0	0.0	
100	PI2 BPSK	135	138	22.43	22.80	22.61			
100	PI2 BPSK	270	0	22.41	22.84	22.54	24.0	0.0	
100	QPSK	1	1	22.98	23.24	23.17			
100	QPSK	1	137	22.88	23.06	22.98	24.0	0.0	
100	QPSK	1	271	22.83	22.96	22.90			
100	QPSK	135	0	22.01	22.24	22.13	24.0	0.0	
100	QPSK	135	69	22.88	23.10	22.99		24.0	
100	QPSK	135	138	22.83	22.94	22.94	24.0	0.0	
100	QPSK	270	0	22.78	23.01	22.88			
100	16QAM	1	1	22.75	22.96	22.84	24.0	0.0	
100	64QAM	1	1	22.74	22.96	22.90		24.0	
100	256QAM	1	1	21.45	21.79	21.67	22.5		1.5
Channel				505200	518598	532998	24.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.88	23.14	23.04	24.0	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	22.87	23.15	23.07	24.0	0.0	
Channel				505002	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	22.83	23.16	23.11	24.0	0.0	
Channel				505200	518598	531998		MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.98			
60	QPSK	1	1	22.89	23.17	23.01	24.0	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	22.90	23.10	23.11	24.0	0.0	
Channel				2518.5	2592.99	2667.48		MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	22.90	23.16	23.08	24.0	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	22.89	23.07	23.01	24.0	0.0	
Channel				502704	518598	534498		MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	22.84	23.07	23.04	24.0	0.0	
Channel				502200	518598	534998		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	22.89	23.14	23.10	24.0	0.0	
Channel				501702	518598	535500		MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	22.93	23.16	23.01	24.0	0.0	
Channel				507204	518598	532998		MPR (dB)	
Frequency (MHz)				2598.02	2592.99	2679.99			
20	QPSK	1	1	22.87	23.10	23.10	24.0	0.0	
Channel				500700	518598	536498		MPR (dB)	
Frequency (MHz)				2593.13	2592.99	2682.48			
15	QPSK	1	1	22.81	23.10	23.00	24.0	0.0	
Channel				500202	518598	537000		MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	22.83	23.13	23.02	24.0		0.0

n41 PC2 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				505002	518598	528000	26.0	0.0	
Frequency (MHz)				2544.01	2592.99	2640			
100	PI2 BPSK	1	1	25.94	26.09	26.15	27.0	0.0	
100	PI2 BPSK	1	137	25.78	26.00	25.95			
100	PI2 BPSK	1	271	25.80	25.96	25.96	26.5	0.5	
100	PI2 BPSK	135	0	25.29	25.55	25.52			
100	PI2 BPSK	135	69	25.96	26.17	26.16	27.0	0.0	
100	PI2 BPSK	135	138	25.23	25.63	25.52		26.5	
100	PI2 BPSK	270	0	25.30	25.58	25.42	27.0	0.0	
100	QPSK	1	1	25.87	26.07	26.16			
100	QPSK	1	137	25.89	26.10	25.99	27.0	0.0	
100	QPSK	1	271	25.84	25.98	25.84			
100	QPSK	135	0	24.84	25.16	25.10	26.0	1.0	
100	QPSK	135	69	25.84	26.14	25.94		27.0	
100	QPSK	135	138	24.87	25.15	25.13	26.0	1.0	
100	QPSK	270	0	24.91	25.16	25.08			
100	16QAM	1	1	24.86	25.18	25.09	26.0	1.0	
100	64QAM	1	1	23.48	23.77	23.74		24.5	
100	256QAM	1	1	21.44	21.79	21.66	22.5		
Channel				505200	518598	532998	24.0	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	25.87	26.21	26.05	27.0	0.0	
Channel				507204	518598	529998		MPR (dB)	
Frequency (MHz)				2538.02	2592.99	2643.99			
80	QPSK	1	1	25.83	26.14	26.10	27.0	0.0	
Channel				505002	518598	531000		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.87	26.18	26.04	27.0	0.0	
Channel				505200	518598	531998		MPR (dB)	
Frequency (MHz)				2536	2592.99	2659.98			
60	QPSK	1	1	25.93	26.16	26.11	27.0	0.0	
Channel				504204	518598	532998		MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	25.82	26.16	26.10	27.0	0.0	
Channel				2518.5	2592.99	2667.48		MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	25.91	26.15	26.04	27.0	0.0	
Channel				503202	518598	534000		MPR (dB)	
Frequency (MHz)				2518.01	2592.99	2670			
40	QPSK	1	1	25.86	26.20	26.06	27.0	0.0	
Channel				502704	518598	534498		MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	25.87	26.14	26.07	27.0	0.0	
Channel				502200	518598	534998		MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	25.89	26.23	26.14	27.0	0.0	
Channel				501702	518598	535500		MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	25.92	26.13	26.07	27.0	0.0	
Channel				507204	518598	532998		MPR (dB)	
Channel				506202	518598	533998	27.0	0.0	
Frequency (MHz)				2506.02	2592.99	2678.03			
20	QPSK	1	1	25.87	26.11	26.09	27.0	0.0	
Channel				500700	518598	534498		MPR (dB)	
Channel				500300	518598	534000	27.0	0.0	
Frequency (MHz)				2503.5	2592.99	2662.48			
15	QPSK	1	1	25.83	26.19	26.08	27.0	0.0	
Channel				500200	518598	533500		MPR (dB)	
Channel				500100	518598	533000	27.0	0.0	
Frequency (MHz)				2501.01	2592.99	2665			
10	QPSK	1	1	25.91	26.20	26.14	27.0	0.0	

n41 Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				506002	518598	526000	
Frequency (MHz)				2544.01	2592.99	2560	
100	PI2 BPSK	1	1	23.16	23.20	22.90	
100	PI2 BPSK	1	137	23.05	23.08	22.83	24.0
100	PI2 BPSK	1	271	23.05	23.09	22.83	
100	PI2 BPSK	135	0	22.70	22.78	22.50	24.0
100	PI2 BPSK	135	69	23.22	23.20	22.94	24.0
100	PI2 BPSK	135	138	22.59	22.69	22.39	24.0
100	PI2 BPSK	270	0	22.70	22.73	22.41	24.0
100	QPSK	1	1	23.21	23.33	23.05	
100	QPSK	1	137	23.13	23.12	22.94	24.0
100	QPSK	1	271	23.07	23.08	22.85	
100	QPSK	135	0	23.10	23.18	23.01	24.0
100	QPSK	135	69	23.14	23.20	22.86	24.0
100	QPSK	135	138	23.07	23.17	22.85	24.0
100	QPSK	270	0	23.02	23.14	22.90	
100	16QAM	1	1	23.03	23.08	22.86	24.0
100	64QAM	1	1	23.02	23.04	22.97	24.0
100	256QAM	1	1	21.72	21.87	21.57	22.5
Channel				511500	518598	525996	
Frequency (MHz)				2541	2592.99	2644.98	
90	QPSK	1	1	23.11	23.16	22.89	24.0
Channel				507204	518598	529998	
Frequency (MHz)				2638.02	2692.99	2643.99	
80	QPSK	1	1	23.10	23.22	22.82	24.0
Channel				506002	518598	531000	
Frequency (MHz)				2531.01	2592.99	2605	
70	QPSK	1	1	23.04	23.17	22.87	24.0
Channel				502000	518598	531996	
Frequency (MHz)				2426	2592.99	2659.98	
60	QPSK	1	1	23.14	23.19	22.91	24.0
Channel				2422.04	518598	532994	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	23.08	23.23	22.87	24.0
Channel				503700	518598	533496	
Frequency (MHz)				2518.4	2592.99	2671.48	
45	QPSK	1	1	23.05	23.23	22.93	24.0
Channel				503002	518598	534000	
Frequency (MHz)				2516.01	2592.99	2670	
40	QPSK	1	1	23.07	23.22	22.91	24.0
Channel				2470.04	518598	534996	
Frequency (MHz)				2513.92	2592.99	2672.49	
35	QPSK	1	1	23.13	23.25	22.97	24.0
Channel				502200	518598	535496	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.14	23.17	22.95	24.0
Channel				501702	518598	535900	
Frequency (MHz)				2508.01	2592.99	2677.5	
25	QPSK	1	1	23.11	23.23	22.92	24.0
Channel				501204	518598	535996	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.13	23.24	22.88	24.0
Channel				5070.0	518598	537496	
Frequency (MHz)				2503.5	2592.99	2682.48	
15	QPSK	1	1	23.07	23.21	22.93	24.0
Channel				500202	518598	537000	
Frequency (MHz)				2497.01	2592.99	2684	
10	QPSK	1	1	23.08	23.19	22.96	24.0

n48 Part96 Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				640000	641666	643332	
Frequency (MHz)				3600	3634.99	3648.98	
40	PI2 BPSK	1	1	22.44	22.59	22.47	
40	PI2 BPSK	1	53	22.21	22.50	22.34	24.0
40	PI2 BPSK	1	104	22.30	22.47	22.29	
40	PI2 BPSK	50	0	21.99	22.13	21.99	23.5
40	PI2 BPSK	50	26	22.42	22.67	22.43	24.0
40	PI2 BPSK	50	56	21.95	22.09	21.87	23.5
40	PI2 BPSK	100	0	21.87	22.21	21.89	
40	QPSK	1	1	22.43	22.78	22.46	
40	QPSK	1	53	22.26	22.57	22.34	24.0
40	QPSK	1	104	22.37	22.57	22.29	
40	QPSK	50	0	21.44	21.68	21.50	23.0
40	QPSK	50	28	22.29	22.54	22.28	24.0
40	QPSK	50	56	21.39	21.66	21.50	23.0
40	QPSK	100	0	21.59	21.75	21.53	
40	16QAM	1	1	21.38	21.63	21.35	23.0
40	64QAM	1	1	20.94	20.23	20.08	21.5
40	256QAM	1	1	18.01	18.31	18.05	19.5
Channel				637000	641666	646006	
Frequency (MHz)				3605.02	3634.99	3684.99	
30	QPSK	1	1	22.27	22.67	22.33	24.0
Channel				637304	641666	646000	
Frequency (MHz)				3609.01	3634.99	3694.98	
20	QPSK	1	1	22.28	22.64	22.40	24.0
Channel				637168	641666	646166	
Frequency (MHz)				3607.02	3634.99	3692.49	
15	QPSK	1	1	22.34	22.71	22.37	24.0
Channel				637000	641666	646332	
Frequency (MHz)				3605	3634.99	3694.98	
10	QPSK	1	1	22.30	22.70	22.41	24.0

Part27O n77 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)								
100	P12 BPSK	1	1	3752	3840	3930		
100	P12 BPSK	1	1	23.04	23.10	22.81		
100	P12 BPSK	1	137	22.95	23.12	22.86	24.0	0.0
100	P12 BPSK	1	271	22.96	23.08	22.89		
100	P12 BPSK	135	0	22.58	22.79	22.50	24.0	0.0
100	P12 BPSK	135	69	23.10	23.25	22.86		
100	P12 BPSK	135	138	22.52	22.72	22.44	24.0	0.0
100	P12 BPSK	270	0	22.55	22.74	22.35		
100	QPSK	1	1	23.05	23.31	22.98		
100	QPSK	1	137	23.06	23.15	23.05	24.0	0.0
100	QPSK	1	271	23.07	23.11	22.83		
100	QPSK	135	0	23.11	23.16	23.08	24.0	0.0
100	QPSK	135	69	23.20	23.24	22.91	24.0	0.0
100	QPSK	135	138	22.95	23.15	23.07	24.0	0.0
100	QPSK	270	0	23.14	23.15	22.91		
100	16QAM	1	1	23.03	23.16	22.92	24.0	0.0
100	64QAM	1	1	23.00	23.10	23.00	24.0	0.0
100	256QAM	1	1	21.72	21.92	21.59	22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.97	23.21	22.83	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.90	23.27	22.92	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.91	23.22	22.89	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.82	23.18	22.84	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.99	23.21	22.92	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.95	23.26	22.92	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.94	23.24	22.94	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.94	23.20	22.93	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.91	23.23	22.93	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.95	23.22	22.92	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.91	23.21	22.92	24.0	0.0

Part27Q n77 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)								
100	P12 BPSK	1	1		3000.01			
100	P12 BPSK	1	137		23.33		24.0	0.0
100	P12 BPSK	1	271		23.18			
100	P12 BPSK	135	0		22.83		24.0	0.0
100	P12 BPSK	135	69		23.32			
100	P12 BPSK	135	138		22.79		24.0	0.0
100	P12 BPSK	270	0		22.85			
100	QPSK	1	1		23.43			
100	QPSK	1	137		23.22		24.0	0.0
100	QPSK	1	271		23.27			
100	QPSK	135	0		23.12		24.0	0.0
100	QPSK	135	69		23.32		24.0	0.0
100	QPSK	135	138		23.29		24.0	0.0
100	QPSK	270	0		23.31			
100	16QAM	1	1		23.31		24.0	0.0
100	64QAM	1	1		23.15		24.0	0.0
100	256QAM	1	1		22.69		22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968.0	65000.0	65032.0	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	23.36	23.33	23.39	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.33	23.34	23.28	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.23	23.32	23.39	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.31	23.31	23.29	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.28	23.30	23.37	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.35	23.37	23.29	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.32	23.31	23.38	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.36	23.33	23.32	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.31	23.36	23.33	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.32	23.31	23.37	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.32	23.37	23.35	24.0	0.0

Part27O n78 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)								
100	P12 BPSK	1	1	3750	3750	3750		
100	P12 BPSK	1	137		22.22		24.0	0.0
100	P12 BPSK	1	271		22.03			
100	P12 BPSK	135	0		22.03		24.0	0.0
100	P12 BPSK	135	69		22.26			
100	P12 BPSK	135	138		22.04		24.0	0.0
100	P12 BPSK	270	0		22.15			
100	QPSK	1	1		22.27			
100	QPSK	1	137		22.20		24.0	0.0
100	QPSK	1	271		22.12			
100	QPSK	135	0		22.26		24.0	0.0
100	QPSK	135	69		22.24		24.0	0.0
100	QPSK	135	138		22.21		24.0	0.0
100	QPSK	270	0		22.15			
100	16QAM	1	1		22.13		24.0	0.0
100	64QAM	1	1		22.04		24.0	0.0
100	256QAM	1	1		20.83		22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	64968.0	65000.0	65032.0	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	22.12	22.21	22.20	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.23	22.17	22.20	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.15	22.16	22.18	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.20	22.14	22.14	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.17	22.13	22.15	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.17	22.19	22.20	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.13	22.17	22.12	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.22	22.14	22.17	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.15	22.19	22.12	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.19	22.16	22.11	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.23	22.22	22.18	24.0	0.0

Part27Q n78 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000 633334				
Frequency (MHz)				3000.01				
100	PQ2 BPSK	1	1	22.21			24.0	0.0
100	PQ2 BPSK	1	137	22.25				
100	PQ2 BPSK	1	271	22.11				
100	PQ2 BPSK	135	0	22.03				
100	PQ2 BPSK	135	69	22.23			24.0	0.0
100	PQ2 BPSK	135	138	22.05				
100	PQ2 BPSK	270	0	22.04			24.0	0.0
100	QPSK	1	1	22.32			24.0	0.0
100	QPSK	1	137	22.11				
100	QPSK	1	271	22.21				
100	QPSK	135	0	22.19				
100	QPSK	135	69	22.29			24.0	0.0
100	QPSK	135	138	22.19			24.0	0.0
100	QPSK	270	0	22.21				
100	16QAM	1	1	22.15			24.0	0.0
100	64QAM	1	1	22.13			24.0	0.0
100	256QAM	1	1	20.89			22.5	1.5
Channel				633000 633334	633600 633608		Tune-up limit	MPR
Frequency (MHz)				3485 3500.01	3505.02		(dBm)	(dB)
90	QPSK	1	1	22.16	22.23	22.21	24.0	0.0
Channel				630668 633334	634000		Tune-up limit	MPR
Frequency (MHz)				3480.02 3500.01	3510		(dBm)	(dB)
80	QPSK	1	1	22.26	22.20	22.27	24.0	0.0
Channel				632334 633334	634334		Tune-up limit	MPR
Frequency (MHz)				3485.01 3500.01	3515.01		(dBm)	(dB)
70	QPSK	1	1	22.13	22.24	22.21	24.0	0.0
Channel				632000 633334	634668		Tune-up limit	MPR
Frequency (MHz)				3480 3500.01	3520.02		(dBm)	(dB)
60	QPSK	1	1	22.25	22.17	22.17	24.0	0.0
Channel				631000 633334	635000		Tune-up limit	MPR
Frequency (MHz)				3475.02 3500.01	3525		(dBm)	(dB)
50	QPSK	1	1	22.27	22.22	22.24	24.0	0.0
Channel				631334 633334	635334		Tune-up limit	MPR
Frequency (MHz)				3470.01 3500.01	3530.01		(dBm)	(dB)
40	QPSK	1	1	22.19	22.16	22.28	24.0	0.0
Channel				631000 633334	635668		Tune-up limit	MPR
Frequency (MHz)				3465 3500.01	3535.02		(dBm)	(dB)
30	QPSK	1	1	22.19	22.13	22.26	24.0	0.0
Channel				630334 633334	635934		Tune-up limit	MPR
Frequency (MHz)				3462.01 3500.01	3537.51		(dBm)	(dB)
25	QPSK	1	1	22.27	22.24	22.17	24.0	0.0
Channel				630668 633334	636000		Tune-up limit	MPR
Frequency (MHz)				3460.02 3500.01	3540		(dBm)	(dB)
20	QPSK	1	1	22.24	22.18	22.20	24.0	0.0
Channel				630000 633334	636168		Tune-up limit	MPR
Frequency (MHz)				3457.5 3500.01	3542.52		(dBm)	(dB)
15	QPSK	1	1	22.24	22.15	22.15	24.0	0.0
Channel				630334 633334	636334		Tune-up limit	MPR
Frequency (MHz)				3455.01 3500.01	3545.01		(dBm)	(dB)
10	QPSK	1	1	22.26	22.17	22.17	24.0	0.0



n48 Part96 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	22.31	22.49	22.38	24.0	0.0	
40	Pi2 BPSK	1	53	22.20	22.44	22.22			
40	Pi2 BPSK	1	104	22.18	22.31	22.24			
40	Pi2 BPSK	50	0	21.84	22.11	21.95	23.5	0.5	
40	Pi2 BPSK	50	28	22.33	22.54	22.35	24.0	0.0	
40	Pi2 BPSK	50	56	21.87	21.99	21.82	23.5	0.5	
40	Pi2 BPSK	100	0	21.76	22.12	21.79	23.0	0.5	
40	QPSK	1	1	22.42	22.70	22.38	24.0	0.0	
40	QPSK	1	53	22.29	22.48	22.26			
40	QPSK	1	104	22.25	22.46	22.16			
40	QPSK	50	0	21.39	21.66	21.45	23.0	1.0	
40	QPSK	50	28	22.18	22.42	22.12	24.0	0.0	
40	QPSK	50	56	21.31	21.62	21.32	23.0	1.0	
40	QPSK	100	0	21.47	21.71	21.36	23.0	1.0	
40	16QAM	1	1	21.21	21.51	21.31	23.0	1.0	
40	64QAM	1	1	19.98	20.17	20.02	21.5	2.5	
40	256QAM	1	1	18.00	18.28	18.00	19.5	4.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.34	22.59	22.24	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.30	22.65	22.25	24.0	0.0	
Channel									
Frequency (MHz)									
16	QPSK	1	1	22.29	22.60	22.34	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.33	22.61	22.33	24.0	0.0	

Part270 n77 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	21.65	21.80	21.63	23.0	0.0	
100	Pi2 BPSK	1	137	21.67	21.77	21.54			
100	Pi2 BPSK	1	271	21.57	21.76	21.58			
100	Pi2 BPSK	135	0	21.21	21.39	21.23	23.0	0.0	
100	Pi2 BPSK	135	69	21.68	21.96	21.63	23.0	0.0	
100	Pi2 BPSK	135	138	21.13	21.40	21.09	23.0	0.0	
100	Pi2 BPSK	270	0	21.18	21.35	21.05	23.0	0.0	
100	QPSK	1	1	21.70	22.05	21.71	23.0	0.0	
100	QPSK	1	137	21.82	21.79	21.67			
100	QPSK	1	271	21.71	21.84	21.62			
100	QPSK	135	0	21.89	21.98	21.74	23.0	0.0	
100	QPSK	135	69	21.89	22.01	21.61	23.0	0.0	
100	QPSK	135	138	21.79	21.92	21.74	23.0	0.0	
100	QPSK	270	0	21.77	21.82	21.65	23.0	0.0	
100	16QAM	1	1	21.74	21.81	21.59	23.0	0.0	
100	64QAM	1	1	21.71	21.82	21.73	23.0	0.0	
100	256QAM	1	1	20.46	20.61	20.30	21.5	1.5	
Channel									
				645668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)									
90	QPSK	1	1	21.63	21.90	21.56	23.0	0.0	
Channel									
				648334	650600	650968	Tune-up limit	MPR	
Frequency (MHz)									
80	QPSK	1	1	21.65	22.00	21.82	23.0	0.0	
Channel									
				649000	650300	650500	Tune-up limit	MPR	
Frequency (MHz)									
70	QPSK	1	1	21.55	21.87	21.57	23.0	0.0	
Channel									
				649668	650600	650334	Tune-up limit	MPR	
Frequency (MHz)									
60	QPSK	1	1	21.63	21.93	21.63	23.0	0.0	
Channel									
				648334	650600	650668	Tune-up limit	MPR	
Frequency (MHz)									
50	QPSK	1	1	21.56	21.93	21.55	23.0	0.0	
Channel									
				649000	650600	650400	Tune-up limit	MPR	
Frequency (MHz)									
40	QPSK	1	1	21.60	21.91	21.63	23.0	0.0	
Channel									
				648334	650600	648334	Tune-up limit	MPR	
Frequency (MHz)									
30	QPSK	1	1	21.65	21.91	21.63	23.0	0.0	
Channel									
				647500	650000	650400	Tune-up limit	MPR	
Frequency (MHz)									
25	QPSK	1	1	21.57	21.98	21.61	23.0	0.0	
Channel									
				647334	650600	650468	Tune-up limit	MPR	
Frequency (MHz)									
20	QPSK	1	1	21.64	21.93	21.59	23.0	0.0	
Channel									
				647834	650600	648434	Tune-up limit	MPR	
Frequency (MHz)									
15	QPSK	1	1	21.63	21.98	21.55	23.0	0.0	
Channel									
				647000	650000	650500	Tune-up limit	MPR	
Frequency (MHz)									
10	QPSK	1	1	21.68	21.92	21.63	23.0	0.0	

Part270Q n77 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1	21.91	3500.01		23.0	0.0	
100	Pi2 BPSK	1	137	21.88					
100	Pi2 BPSK	1	271	21.86					
100	Pi2 BPSK	135	0	21.54			23.0	0.0	
100	Pi2 BPSK	135	69	22.07			23.0	0.0	
100	Pi2 BPSK	135	138	21.52			23.0	0.0	
100	Pi2 BPSK	270	0	21.39			23.0	0.0	
100	QPSK	1	1	22.12			23.0	0.0	
100	QPSK	1	137	21.88					
100	QPSK	1	271	21.84					
100	QPSK	135	0	21.89			23.0	0.0	
100	QPSK	135	69	22.09			23.0	0.0	
100	QPSK	135	138	21.94			23.0	0.0	
100	QPSK	270	0	21.91			23.0	0.0	
100	64QAM	1	1	21.91			23.0	0.0	
100	256QAM	1	1	20.89			21.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.97	3500.01	3408.92	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.03	3500.01	3410.00	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.98	3500.01	3415.01	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.97	3500.01	3420.00	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.96	3500.01	3425.00	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.03	3500.01	3430.01	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.01	3500.01	3435.02	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.07	3500.01	3440.03	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.97	3500.01	3445.04	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.96	3500.01	3450.05	23.0	0.0	MPR (dB)
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.01	3500.01	3455.06	23.0	0.0	MPR (dB)

Part270 n78 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pl2 BPSK	1	1		22.29		23.0	0.0	
100	Pl2 BPSK	1	137		22.24				
100	Pl2 BPSK	1	271		22.18				
100	Pl2 BPSK	135	0		22.06		23.0	0.0	
100	Pl2 BPSK	135	69		22.41		23.0	0.0	
100	Pl2 BPSK	135	138		22.04		23.0	0.0	
100	Pl2 BPSK	270	0		22.05		23.0	0.0	
100	QPSK	1	1		22.46		23.0	0.0	
100	QPSK	1	137		22.22				
100	QPSK	1	271		22.31				
100	QPSK	135	0		22.31		23.0	0.0	
100	QPSK	135	69		22.38		23.0	0.0	
100	QPSK	135	138		22.33		23.0	0.0	
100	QPSK	270	0		22.23		23.0	0.0	
100	16QAM	1	1		22.21		23.0	0.0	
100	64QAM	1	1		22.28		23.0	0.0	
100	256QAM	1	1		21.04		21.5	1.5	
Channel				640000	650000	650334	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		22.42	22.32	22.37	23.0	0.0
Channel				640334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)	
80	QPSK	1	1		22.31	22.41	22.42	23.0	0.0
Channel				640000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		22.34	22.35	22.35	23.0	0.0
Channel				640668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		22.40	22.41	22.39	23.0	0.0
Channel				641334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		22.30	22.42	22.33	23.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		22.38	22.33	22.33	23.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		22.26	22.38	22.34	23.0	0.0
Channel				647000	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1		22.37	22.39	22.30	23.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		22.39	22.33	22.37	23.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		22.40	22.36	22.42	23.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		22.34	22.34	22.31	23.0	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				630000	633334				
Frequency (MHz)				3500.01					
100	Pl2 BPSK	1	1		22.07		23.0	0.0	
100	Pl2 BPSK	1	137		21.94				
100	Pl2 BPSK	1	271		21.91				
100	Pl2 BPSK	135	0		21.84		23.0	0.0	
100	Pl2 BPSK	135	69		22.14		23.0	0.0	
100	Pl2 BPSK	135	138		21.84		23.0	0.0	
100	Pl2 BPSK	270	0		21.56		23.0	0.0	
100	QPSK	1	1		22.19		23.0	0.0	
100	QPSK	1	137		21.86				
100	QPSK	1	271		22.04				
100	QPSK	135	0		22.07		23.0	0.0	
100	QPSK	135	69		22.11		23.0	0.0	
100	QPSK	135	138		22.06		23.0	0.0	
100	QPSK	270	0		22.04		23.0	0.0	
100	16QAM	1	1		22.00		23.0	0.0	
100	64QAM	1	1		21.97		23.0	0.0	
100	256QAM	1	1		20.76		21.5	1.5	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		22.13	22.11	22.10	23.0	0.0
Channel				633668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3490.02	3493.01	3495	(dBm)	(dB)	
80	QPSK	1	1		22.09	22.03	22.04	23.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		22.07	22.13	22.13	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		22.15	22.11	22.06	23.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		22.06	22.12	22.07	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3470.01	3500.01	3528.01	(dBm)	(dB)	
40	QPSK	1	1		22.09	22.13	22.10	23.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3531.02	(dBm)	(dB)	
30	QPSK	1	1		22.07	22.03	22.07	23.0	0.0
Channel				630334	633334	635984	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		22.10	22.12	22.11	23.0	0.0
Channel				630000	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		22.11	22.12	22.09	23.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		22.11	22.09	22.08	23.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		22.05	22.08	22.13	23.0	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)				636000	641666	646332		
40	Pi2 BPSK	1	1	22.46	22.68	22.48		
40	Pi2 BPSK	1	53	22.33	22.59	22.36	24.0	0.0
40	Pi2 BPSK	1	104	22.38	22.47	22.36		
40	Pi2 BPSK	50	0	22.01	22.23	22.08	23.5	0.5
40	Pi2 BPSK	50	28	22.43	22.68	22.52	24.0	0.0
40	Pi2 BPSK	50	56	21.97	22.19	21.93	23.5	0.5
40	Pi2 BPSK	100	0	21.85	22.21	21.93		
40	QPSK	1	1	22.54	22.81	22.53		
40	QPSK	1	53	22.39	22.58	22.54	24.0	0.0
40	QPSK	1	104	22.41	22.50	22.20		
40	QPSK	50	0	21.51	21.78	21.58	23.0	1.0
40	QPSK	50	28	22.37	22.60	22.33	24.0	0.0
40	QPSK	50	56	21.47	21.74	21.51	23.0	1.0
40	QPSK	100	0	21.02	21.81	21.56		
40	16QAM	1	1	21.42	21.65	21.43	23.0	1.0
40	64QAM	1	1	20.14	20.32	20.16	21.5	2.5
40	256QAM	1	1	18.11	18.30	18.12	19.5	4.5
Channel								
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.43	22.74	22.46	24.0	0.0
Channel								
Frequency (MHz)				637334	641666	646000		
20	QPSK	1	1	22.41	22.71	22.48	24.0	0.0
Channel								
Frequency (MHz)				637168	641666	646166		
16	QPSK	1	1	22.40	22.68	22.39	24.0	0.0
Channel								
Frequency (MHz)				637000	641666	646332		
10	QPSK	1	1	22.45	22.73	22.45	24.0	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)				650000	656000	662000		
100	Pi2 BPSK	1	1	22.68	23.12	22.62		
100	Pi2 BPSK	1	137	22.78	23.02	22.70	24.0	0.0
100	Pi2 BPSK	1	271	22.72	22.93	22.56		
100	Pi2 BPSK	135	0	22.30	22.56	22.22	24.0	0.0
100	Pi2 BPSK	135	69	22.91	23.13	22.77	24.0	0.0
100	Pi2 BPSK	135	138	22.25	22.56	22.23	24.0	0.0
100	Pi2 BPSK	270	0	22.25	22.53	22.17		
100	QPSK	1	1	22.91	23.18	22.77		
100	QPSK	1	137	22.87	22.86	22.68	24.0	0.0
100	QPSK	1	271	22.92	22.92	22.75		
100	QPSK	135	0	23.01	22.96	22.90	24.0	0.0
100	QPSK	135	69	22.93	23.05	22.83	24.0	0.0
100	QPSK	135	138	22.88	22.91	22.84	24.0	0.0
100	QPSK	270	0	22.94	22.96	22.74		
100	16QAM	1	1	22.88	22.95	22.83	24.0	0.0
100	64QAM	1	1	22.89	22.86	22.82	24.0	0.0
100	256QAM	1	1	21.98	21.71	21.44	22.5	1.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.80	23.05	22.84	24.0	0.0
Channel								
Frequency (MHz)				640334	650000	662668		
80	QPSK	1	1	22.84	23.08	22.84	24.0	0.0
Channel								
Frequency (MHz)				640000	650000	663000		
70	QPSK	1	1	22.86	23.07	22.85		
Channel								
Frequency (MHz)				640668	650000	663334		
60	QPSK	1	1	22.82	23.08	22.83	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.78	23.02	22.87	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	664000		
40	QPSK	1	1	22.85	23.03	22.86	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	664334		
30	QPSK	1	1	22.80	23.11	22.48	24.0	0.0
Channel								
Frequency (MHz)				647500	650000	664500		
25	QPSK	1	1	22.79	23.05	22.67	24.0	0.0
Channel								
Frequency (MHz)				647334	650000	664668		
20	QPSK	1	1	22.86	23.05	22.83	24.0	0.0
Channel								
Frequency (MHz)				647168	650000	664834		
15	QPSK	1	1	22.82	23.14	22.62	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000		
10	QPSK	1	1	22.77	23.04	22.85	24.0	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)				650000	656000	662000		
100	Pi2 BPSK	1	1	25.77	26.18	25.66		
100	Pi2 BPSK	1	137	25.78	26.17	25.78	27.0	0.0
100	Pi2 BPSK	1	271	25.69	26.23	25.70		
100	Pi2 BPSK	135	0	25.38	25.83	25.30	26.5	0.5
100	Pi2 BPSK	135	69	25.87	26.29	25.96	27.0	0.0
100	Pi2 BPSK	135	138	25.31	25.75	25.39	26.5	0.5
100	Pi2 BPSK	270	0	25.31	25.77	25.34		
100	QPSK	1	1	25.89	26.36	26.00		
100	QPSK	1	137	25.72	26.17	25.78	27.0	0.0
100	QPSK	1	271	25.65	26.08	25.73		
100	QPSK	135	0	24.83	25.46	24.96	26.0	1.0
100	QPSK	135	69	25.72	26.23	25.79	27.0	0.0
100	QPSK	135	138	24.84	25.31	24.82	26.0	1.0
100	QPSK	270	0	24.90	25.42	24.93		
100	16QAM	1	1	24.81	25.22	24.96	26.0	1.0
100	64QAM	1	1	23.39	23.95	23.48	24.5	2.5
100	256QAM	1	1	21.46	21.92	21.46	22.5	4.5
Channel								
Frequency (MHz)				640000	650000	663334		
90	QPSK	1	1	25.81	26.24	25.96	27.0	0.0
Channel								
Frequency (MHz)				640334	650000	662668		
80	QPSK	1	1	25.81	26.30	25.84	27.0	0.0
Channel								
Frequency (MHz)				640000	650000	663000		
70	QPSK	1	1	25.75	26.22	25.87	27.0	0.0
Channel								
Frequency (MHz)				640668	650000	663334		
60	QPSK	1	1	25.73	26.21	25.91	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.79	26.23	25.96	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	664000		
40	QPSK	1	1	25.76	26.28	25.86	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	664334		
30	QPSK	1	1	25.82	26.24	25.92	27.0	0.0
Channel								
Frequency (MHz)				647500	650000	664500		
25	QPSK	1	1	25.83	26.28	25.94	27.0	0.0
Channel								
Frequency (MHz)				647334	650000	664668		
20	QPSK	1	1	25.73	26.31	25.85	27.0	0.0
Channel								
Frequency (MHz)				647168	650000	664834		
15	QPSK	1	1	25.76	26.21	25.48	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000		
10	QPSK	1	1	25.75	26.26	25.93	27.0	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	P12 BPSK	1	1	23.40	3000.01		24.0	0.0		
100	P12 BPSK	1	137	23.37						
100	P12 BPSK	1	271	23.31						
100	P12 BPSK	135	0	22.62			24.0	0.0		
100	P12 BPSK	135	69	23.46			24.0	0.0		
100	P12 BPSK	135	138	22.87			24.0	0.0		
100	P12 BPSK	270	0	22.89			24.0	0.0		
100	QPSK	1	1	23.53						
100	QPSK	1	137	23.30						
100	QPSK	1	271	23.22			24.0	0.0		
100	QPSK	135	0	23.29			24.0	0.0		
100	QPSK	135	69	23.40			24.0	0.0		
100	QPSK	135	138	23.29			24.0	0.0		
100	QPSK	270	0	23.33			24.0	0.0		
100	16QAM	1	1	23.22						
100	64QAM	1	1	23.19						
100	256QAM	1	1	22.11			22.5	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	23.45	3000.01	3005.02	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.41	3000.01	3015.01	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
70	QPSK	1	1	23.41	3000.01	3015.01	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.48	3000.01	3020.02	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.41	3000.01	3025.02	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.42	3000.01	3030.02	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.39	3000.01	3035.02	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
25	QPSK	1	1	23.37	3000.01	3037.51	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.47	3000.01	3040.01	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.39	3000.01	3042.02	24.0	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.45	3000.01	3045.01	24.0	MPR (dB)		
Channel										
Frequency (MHz)										

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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)				3000.01				
100	P12 BPSK	1	1	26.26			27.0	0.0
100	P12 BPSK	1	137	26.33				
100	P12 BPSK	1	271	26.28				
100	P12 BPSK	135	0	25.97			26.5	0.5
100	P12 BPSK	135	69	26.37			27.0	0.0
100	P12 BPSK	135	138	25.89			26.5	0.5
100	P12 BPSK	270	0	25.86			27.0	0.0
100	QPSK	1	1	26.46				
100	QPSK	1	137	26.32				
100	QPSK	1	271	26.15			26.0	1.0
100	QPSK	135	0	25.59			27.0	0.0
100	QPSK	135	69	26.28			26.0	1.0
100	QPSK	135	138	25.45			26.0	1.0
100	QPSK	270	0	25.50			26.0	1.0
100	16QAM	1	1	25.36				
100	64QAM	1	1	24.09				
100	256QAM	1	1	22.00			22.5	4.5
Channel								
Frequency (MHz)				633334	633334	633968	Tune-up limit	MPR
				3000.01	3000.01	3005.02	(dBm)	(dB)
90	QPSK	1	1	26.36	3000.01	3004.00	27.0	0.0
Channel								
Frequency (MHz)				3040.02	3000.01	3010.01	Tune-up limit	MPR
							(dBm)	(dB)
80	QPSK	1	1	26.31	3000.01	3020.00	27.0	0.0
Channel								
Frequency (MHz)				302334	3000.01	304334	Tune-up limit	MPR
				3485.01	3000.01	3015.01	(dBm)	(dB)
70	QPSK	1	1	26.30	3000.01	3035.01	27.0	0.0
Channel								
Frequency (MHz)				302334	3000.01	3050.02	Tune-up limit	MPR
				3490	3000.01	3020.02	(dBm)	(dB)
60	QPSK	1	1	26.31	3000.01	3040.01	27.0	0.0
Channel								
Frequency (MHz)				301168	3000.01	305000	Tune-up limit	MPR
				3495.02	3000.01	3025.02	(dBm)	(dB)
50	QPSK	1	1	26.40	3000.01	3050.01	27.0	0.0
Channel								
Frequency (MHz)				301334	3000.01	305034	Tune-up limit	MPR
				3470.01	3000.01	3030.01	(dBm)	(dB)
40	QPSK	1	1	26.32	3000.01	3060.01	27.0	0.0
Channel								
Frequency (MHz)				301100	3000.01	305956	Tune-up limit	MPR
				3485	3000.01	3035.02	(dBm)	(dB)
30	QPSK	1	1	26.38	3000.01	3070.01	27.0	0.0
Channel								
Frequency (MHz)				300304	3000.01	306804	Tune-up limit	MPR
				3482.01	3000.01	3037.51	(dBm)	(dB)
25	QPSK	1	1	26.30	3000.01	3080.01	27.0	0.0
Channel								
Frequency (MHz)				300668	3000.01	306000	Tune-up limit	MPR
				3480.02	3000.01	3040	(dBm)	(dB)
20	QPSK	1	1	26.38	3000.01	3090.01	27.0	0.0
Channel								
Frequency (MHz)				300300	3000.01	306188	Tune-up limit	MPR
				3457.5	3000.01	3042.52	(dBm)	(dB)
15	QPSK	1	1	26.39	3000.01	3098.01	27.0	0.0
Channel								
Frequency (MHz)				300334	3000.01	306334	Tune-up limit	MPR
				3455.01	3000.01	3045.01	(dBm)	(dB)
10	QPSK	1	1	26.38	3000.01	3098.01	27.0	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	P12 BPSK	1	1	23.61	3750	3750	24.0	0.0		
100	P12 BPSK	1	137	23.42						
100	P12 BPSK	1	271	23.32						
100	P12 BPSK	135	0	22.99			24.0	0.0		
100	P12 BPSK	135	69	23.62			24.0	0.0		
100	P12 BPSK	135	138	22.96			24.0	0.0		
100	P12 BPSK	270	0	23.01			24.0	0.0		
100	QPSK	1	1	23.66			24.0	0.0		
100	QPSK	1	137	23.42						
100	QPSK	1	271	23.38						
100	QPSK	135	0	23.41			24.0	0.0		
100	QPSK	135	69	23.66			24.0	0.0		
100	QPSK	135	138	23.31			24.0	0.0		
100	QPSK	270	0	23.45			24.0	0.0		
100	16QAM	1	1	23.39			24.0	0.0		
100	64QAM	1	1	23.27			24.0	0.0		
100	256QAM	1	1	22.19			22.5	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	23.55	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.52	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	23.56	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.59	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.53	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.61	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.50	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	23.53	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.60	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.56	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.55	3750	3750.01	24.0	0.0		
Channel										
Frequency (MHz)										



Part270 n78 PC2 Ant 6											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
100	Pi2 BPSK	1	1	3750	3750	3750	27.0	0.0			
100	Pi2 BPSK	1	137		26.28						
100	Pi2 BPSK	1	271		26.32						
100	Pi2 BPSK	135	0		26.02		26.5	0.5			
100	Pi2 BPSK	135	69		26.39						
100	Pi2 BPSK	135	138		25.96						
100	Pi2 BPSK	270	0		25.98		26.5	0.5			
100	QPSK	1	1		26.55						
100	QPSK	1	137		26.28						
100	QPSK	1	271		26.27		27.0	0.0			
100	QPSK	135	0		25.62						
100	QPSK	135	69		26.38						
100	QPSK	135	138		25.47		26.0	1.0			
100	QPSK	270	0		25.55						
100	16QAM	1	1		25.31						
100	64QAM	1	1		24.15		24.5	2.0			
100	256QAM	1	1		22.04						
Channel											
Frequency (MHz)											
90	QPSK	1	1	3745.02	3750	3755.01	Tune-up limit (dBm)	MPR (dB)			
90	QPSK	1	1	26.45	26.50	26.40	27.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	26.47	26.42	26.47	27.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	26.41	26.40	26.42	27.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	26.45	26.44	26.50	27.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	26.42	26.39	26.49	27.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	26.41	26.42	26.42	27.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	26.40	26.49	26.39	27.0	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	26.42	26.40	26.49	27.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	26.44	26.45	26.44	27.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	26.40	26.46	26.47	27.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	26.46	26.46	26.45	27.0	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		3000.01		24.0	0.0			
100	Pi2 BPSK	1	137		23.66						
100	Pi2 BPSK	1	271		23.40						
100	Pi2 BPSK	135	0		23.08		24.0	0.0			
100	Pi2 BPSK	135	69		23.62						
100	Pi2 BPSK	135	138		23.03						
100	Pi2 BPSK	270	0		23.00		24.0	0.0			
100	QPSK	1	1		23.76						
100	QPSK	1	137		23.25						
100	QPSK	1	271		23.40		24.0	0.0			
100	QPSK	135	0		23.52						
100	QPSK	135	69		23.57						
100	QPSK	135	138		23.44		24.0	0.0			
100	QPSK	270	0		23.47						
100	16QAM	1	1		23.44						
100	64QAM	1	1		23.38		24.0	0.0			
100	256QAM	1	1		22.25		22.5	1.5			
Channel											
Frequency (MHz)											
90	QPSK	1	1	23.67	23.69	23.67	24.0	0.0			
Channel											
Frequency (MHz)											
80	QPSK	1	1	23.60	23.67	23.62	24.0	0.0			
Channel											
Frequency (MHz)											
70	QPSK	1	1	23.62	23.70	23.62	24.0	0.0			
Channel											
Frequency (MHz)											
60	QPSK	1	1	23.62	23.63	23.64	24.0	0.0			
Channel											
Frequency (MHz)											
50	QPSK	1	1	23.70	23.61	23.69	24.0	0.0			
Channel											
Frequency (MHz)											
40	QPSK	1	1	23.64	23.61	23.71	24.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	23.63	23.63	23.67	24.0	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	23.63	23.65	23.64	24.0	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	23.66	23.65	23.60	24.0	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	23.68	23.63	23.67	24.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	23.69	23.69	23.66	24.0	0.0			

Par27Q n78 PC2 Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	Pi2 BPSK	1	1		26.34		27.0	0.0	
100	Pi2 BPSK	1	137		26.30				
100	Pi2 BPSK	1	271		26.33				
100	Pi2 BPSK	135	0		26.03		26.5	0.5	
100	Pi2 BPSK	135	69		26.48		26.0	0.5	
100	Pi2 BPSK	135	138		25.88		26.5	0.5	
100	Pi2 BPSK	270	0		25.91				
100	QPSK	1	1		26.52		27.0	0.0	
100	QPSK	1	137		26.23				
100	QPSK	1	271		26.23				
100	QPSK	135	0		25.57		26.0	1.0	
100	QPSK	135	69		26.38		27.0	0.0	
100	QPSK	135	138		25.51		26.0	1.0	
100	QPSK	270	0		25.55				
100	16QAM	1	1		25.34		24.5	2.5	
100	64QAM	1	1		24.08		24.0	2.5	
100	256QAM	1	1		22.11		22.5	4.5	
Channel									
				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
90	QPSK	1	1	26.48	26.43	26.41	27.0	0.0	
Channel									
				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
80	QPSK	1	1	3400.02	3500.01	3610	27.0	0.0	
Channel									
				26.42	26.45	26.37	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
70	QPSK	1	1	3485.01	353334	361501	27.0	0.0	
Channel									
				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
60	QPSK	1	1	26.40	26.41	26.45	27.0	0.0	
Channel									
				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
50	QPSK	1	1	26.45	26.42	26.45	27.0	0.0	
Channel									
				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
40	QPSK	1	1	26.40	26.38	26.39	27.0	0.0	
Channel									
				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
30	QPSK	1	1	26.36	26.40	26.40	27.0	0.0	
Channel									
				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
25	QPSK	1	1	26.46	26.37	26.41	27.0	0.0	
Channel									
				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
20	QPSK	1	1	3400.02	3500.01	3610	27.0	0.0	
Channel									
				26.42	26.39	26.36	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
15	QPSK	1	1	26.37	26.45	26.37	27.0	0.0	
Channel									
				630500	633334	636334	Tune-up limit (dBm)	MPR (dB)	
				Frequency (MHz)					
10	QPSK	1	1	26.39	26.47	26.46	27.0	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)				636000	641666	646332		
40	Pi2 BPSK	1	1	22.27	22.63	22.58		
40	Pi2 BPSK	1	53	22.35	22.52	22.40	24.0	0.0
40	Pi2 BPSK	1	104	22.29	22.59	22.44		
40	Pi2 BPSK	50	0	21.92	22.16	22.05	23.5	0.5
40	Pi2 BPSK	50	28	22.33	22.52	22.51	24.0	0.0
40	Pi2 BPSK	50	56	21.89	22.10	21.97	23.5	0.5
40	Pi2 BPSK	100	0	21.82	22.13	21.94		
40	QPSK	1	1	22.52	22.78	22.65		
40	QPSK	1	53	22.29	22.55	22.48	24.0	0.0
40	QPSK	1	104	22.19	22.63	22.35		
40	QPSK	50	0	21.45	21.72	21.54	23.0	1.0
40	QPSK	50	28	22.33	22.63	22.39	24.0	0.0
40	QPSK	50	56	21.43	21.70	21.48	23.0	1.0
40	QPSK	100	0	21.38	21.62	21.54		
40	16QAM	1	1	21.34	21.78	21.46	23.0	1.0
40	64QAM	1	1	20.03	20.30	20.20	21.5	2.5
40	256QAM	1	1	18.04	18.29	18.13	19.5	4.5
Channel								
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	22.41	22.74	22.57	24.0	0.0
Channel								
Frequency (MHz)				637334	641666	646000		
20	QPSK	1	1	22.38	22.72	22.60	24.0	0.0
Channel								
Frequency (MHz)				637168	641666	646166		
16	QPSK	1	1	22.41	22.71	22.59	24.0	0.0
Channel								
Frequency (MHz)				637000	641666	646332		
10	QPSK	1	1	22.44	22.64	22.51	24.0	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)				650000	656000	662000		
100	Pi2 BPSK	1	1	22.25	22.60	22.07		
100	Pi2 BPSK	1	137	22.24	22.52	22.04	24.0	0.0
100	Pi2 BPSK	1	271	22.23	22.45	22.12		
100	Pi2 BPSK	135	0	22.06	22.13	22.16	24.0	0.0
100	Pi2 BPSK	135	69	22.38	22.57	22.10	24.0	0.0
100	Pi2 BPSK	135	138	22.12	22.19	22.31	24.0	0.0
100	Pi2 BPSK	270	0	22.06	22.05	22.19		
100	QPSK	1	1	22.40	22.77	22.28		
100	QPSK	1	137	22.58	22.58	22.46	24.0	0.0
100	QPSK	1	271	22.41	22.56	22.38		
100	QPSK	135	0	22.61	22.59	22.48	24.0	0.0
100	QPSK	135	69	22.63	22.64	22.20	24.0	0.0
100	QPSK	135	138	22.61	22.56	22.36	24.0	0.0
100	QPSK	270	0	22.42	22.61	22.34		
100	16QAM	1	1	22.48	22.44	22.25	24.0	0.0
100	64QAM	1	1	22.56	22.45	22.43	24.0	0.0
100	256QAM	1	1	21.16	21.24	20.97	22.5	1.5
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.32	22.67	22.21	24.0	0.0
Channel								
Frequency (MHz)				640334	650000	662668		
80	QPSK	1	1	22.28	22.63	22.15	24.0	0.0
Channel								
Frequency (MHz)				640000	650000	663000		
70	QPSK	1	1	22.25	22.67	22.16	24.0	0.0
Channel								
Frequency (MHz)				640668	650000	663334		
60	QPSK	1	1	22.26	22.63	22.17	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.26	22.72	22.23	24.0	0.0
Channel								
Frequency (MHz)				648000	650000	664000		
40	QPSK	1	1	22.26	22.68	22.17	24.0	0.0
Channel								
Frequency (MHz)				647668	650000	664334		
30	QPSK	1	1	22.30	22.63	22.16	24.0	0.0
Channel								
Frequency (MHz)				647500	650000	664500		
25	QPSK	1	1	22.35	22.67	22.16	24.0	0.0
Channel								
Frequency (MHz)				647101	650000	664600		
20	QPSK	1	1	22.28	22.67	22.19	24.0	0.0
Channel								
Frequency (MHz)				647168	650000	664834		
15	QPSK	1	1	22.35	22.68	22.17	24.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000		
10	QPSK	1	1	22.31	22.71	22.17	24.0	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)				650000	656000	662000		
100	Pi2 BPSK	1	1	22.75	26.01	23.66		
100	Pi2 BPSK	1	137	25.68	26.05	25.50	27.0	0.0
100	Pi2 BPSK	1	271	25.58	25.91	25.56		
100	Pi2 BPSK	135	0	25.29	25.67	25.16	26.5	0.5
100	Pi2 BPSK	135	69	26.72	26.99	26.62	27.0	0.0
100	Pi2 BPSK	135	138	25.31	25.57	25.24	26.5	0.5
100	Pi2 BPSK	270	0	25.20	25.57	25.21		
100	QPSK	1	1	25.85	26.17	25.81		
100	QPSK	1	137	25.69	26.00	25.71	27.0	0.0
100	QPSK	1	271	25.68	25.97	25.49		
100	QPSK	135	0	24.80	24.92	24.67	26.0	1.0
100	QPSK	135	69	25.67	25.98	25.54	27.0	0.0
100	QPSK	135	138	24.74	25.13	24.70	26.0	1.0
100	QPSK	270	0	24.85	25.17	24.82		
100	16QAM	1	1	24.76	25.11	24.63	26.0	1.0
100	64QAM	1	1	23.34	23.27	23.22	24.5	2.5
100	256QAM	1	1	21.33	21.42	21.27	22.5	4.5
Channel								
Frequency (MHz)				640668	650000	663334		
90	QPSK	1	1	25.70	26.13	25.74	27.0	0.0
Channel								
Frequency (MHz)				640334	650000	662668		
80	QPSK	1	1	25.70	26.13	25.71	27.0	0.0
Channel								
Frequency (MHz)				640000	650000	663000		
70	QPSK	1	1	25.71	26.06	25.77	27.0	0.0
Channel								
Frequency (MHz)				640668	650000	663334		
60	QPSK	1	1	25.75	26.07	25.66	27.0	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.69	26.02	25.67	27.0	0.0
Channel								
Frequency (MHz)				648000	650000	664000		
40	QPSK	1	1	25.73	26.05	25.74	27.0	0.0
Channel								
Frequency (MHz)				647668	650000	664334		
30	QPSK	1	1	25.71	26.10	25.70	27.0	0.0
Channel								
Frequency (MHz)				647500	650000	664500		
25	QPSK	1	1	25.73	26.03	25.67	27.0	0.0
Channel								
Frequency (MHz)				647101	650000	664600		
20	QPSK	1	1	25.69	26.11	25.76	27.0	0.0
Channel								
Frequency (MHz)				647168	650000	664834		
15	QPSK	1	1	25.81	26.09	25.70	27.0	0.0
Channel								
Frequency (MHz)				647000	650000	665000		
10	QPSK	1	1	25.70	26.10	25.77	27.0	0.0

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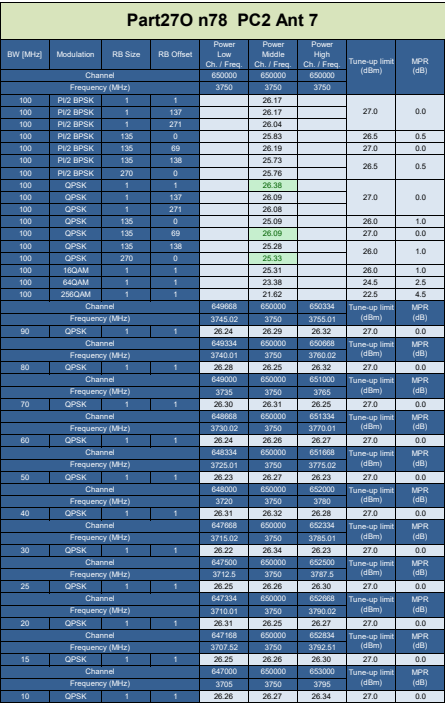
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	22.46	3500.01		24.0	0.0
100	P12 BPSK	1	137	22.55				
100	P12 BPSK	1	271	22.50				
100	P12 BPSK	135	0	22.14			24.0	0.0
100	P12 BPSK	135	69	22.46			24.0	0.0
100	P12 BPSK	135	138	22.19			24.0	0.0
100	P12 BPSK	270	0	22.09				
100	QPSK	1	1	22.77			24.0	0.0
100	QPSK	1	137	22.57				
100	QPSK	1	271	22.52				
100	QPSK	135	0	22.57			24.0	0.0
100	QPSK	135	69	22.69			24.0	0.0
100	QPSK	135	138	22.64			24.0	0.0
100	QPSK	270	0	22.65				
100	16QAM	1	1	22.43			24.0	0.0
100	64QAM	1	1	22.45			24.0	0.0
100	256QAM	1	1	21.32			22.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.73	22.62	22.72	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.73	22.71	22.69	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.73	22.71	22.63	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.67	22.72	22.62	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.69	22.64	22.65	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.62	22.67	22.71	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.61	22.67	22.72	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.62	22.61	22.65	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.71	22.65	22.64	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.62	22.62	22.70	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.71	22.64	22.72	24.0	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	P12 BPSK	1	1	25.47	3500.01		27.0	0.0
100	P12 BPSK	1	137	26.02				
100	P12 BPSK	1	271	25.80				
100	P12 BPSK	135	0	25.56			26.5	0.5
100	P12 BPSK	135	69	25.44			27.0	0.0
100	P12 BPSK	135	138	25.54			26.5	0.5
100	P12 BPSK	270	0	25.44				
100	QPSK	1	1	26.11			27.0	0.0
100	QPSK	1	137	25.86				
100	QPSK	1	271	25.84				
100	QPSK	135	0	24.78			26.0	1.0
100	QPSK	135	69	25.52			27.0	0.0
100	QPSK	135	138	25.06			26.0	1.0
100	QPSK	270	0	25.01				
100	16QAM	1	1	25.06			26.0	1.0
100	64QAM	1	1	23.15			24.5	2.5
100	256QAM	1	1	21.32			22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.98	25.96	26.01	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.04	25.97	26.01	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.01	26.09	26.01	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.95	26.07	25.96	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.08	25.96	26.00	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.05	25.96	25.97	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.90	26.02	26.02	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.98	26.04	25.97	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.98	26.02	26.05	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.01	26.00	26.01	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.04	25.99	26.02	27.0	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)								
				3750	3750	3750		
100	P12 BPSK	1	1		23.12			
100	P12 BPSK	1	137		23.10		24.0	0.0
100	P12 BPSK	1	271		23.08			
100	P12 BPSK	135	0		22.69		24.0	0.0
100	P12 BPSK	135	69		22.85		24.0	0.0
100	P12 BPSK	135	138		22.76		24.0	0.0
100	P12 BPSK	270	0		22.55			
100	QPSK	1	1		23.33			
100	QPSK	1	137		23.13		24.0	0.0
100	QPSK	1	271		23.16			
100	QPSK	135	0		23.16		24.0	0.0
100	QPSK	135	69		23.15		24.0	0.0
100	QPSK	135	138		23.11		24.0	0.0
100	QPSK	270	0		23.20			
100	16QAM	1	1		23.01		24.0	0.0
100	64QAM	1	1		22.99		24.0	0.0
100	256QAM	1	1		21.77		22.5	1.5
Channel								
Frequency (Mhz)								
				64669	65000	65234	Tune-up limit (dbm)	MPR (db)
90	QPSK	1	1	23.25	23.24	23.20	24.0	0.0
Channel								
Frequency (Mhz)								
				64669	65000	65069	Tune-up limit (dbm)	MPR (db)
80	QPSK	1	1	23.20	23.17	23.24	24.0	0.0
Channel								
Frequency (Mhz)								
				64600	65000	65100	Tune-up limit (dbm)	MPR (db)
70	QPSK	1	1	23.20	23.25	23.20	24.0	0.0
Channel								
Frequency (Mhz)								
				3750	3750	3765	Tune-up limit (dbm)	MPR (db)
60	QPSK	1	1	23.24	23.20	23.22	24.0	0.0
Channel								
Frequency (Mhz)								
				64634	65000	65168	Tune-up limit (dbm)	MPR (db)
50	QPSK	1	1	23.18	23.27	23.25	24.0	0.0
Channel								
Frequency (Mhz)								
				3720	3750	3780	Tune-up limit (dbm)	MPR (db)
40	QPSK	1	1	23.26	23.25	23.23	24.0	0.0
Channel								
Frequency (Mhz)								
				64169	65000	65234	Tune-up limit (dbm)	MPR (db)
30	QPSK	1	1	3715.02	3760	3785.01	Tune-up limit (dbm)	MPR (db)
30	QPSK	1	1	23.24	23.25	23.20	24.0	0.0
Channel								
Frequency (Mhz)								
				64750	65000	65200	Tune-up limit (dbm)	MPR (db)
25	QPSK	1	1	3712.4	3760	3817.4	Tune-up limit (dbm)	MPR (db)
25	QPSK	1	1	23.27	23.19	23.28	24.0	0.0
Channel								
Frequency (Mhz)								
				64734	65000	65268	Tune-up limit (dbm)	MPR (db)
20	QPSK	1	1	3712.0	3750	3792.0	Tune-up limit (dbm)	MPR (db)
20	QPSK	1	1	23.22	23.18	23.20	24.0	0.0
Channel								
Frequency (Mhz)								
				64768	65000	65284	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	1	3707.52	3750	3792.51	Tune-up limit (dbm)	MPR (db)
15	QPSK	1	1	23.18	23.26	23.26	24.0	0.0
Channel								
Frequency (Mhz)								
				3705	3750	3795	Tune-up limit (dbm)	MPR (db)
10	QPSK	1	1	23.24	23.18	23.17	24.0	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-up limit (dtm)	MPR (db)
Channel								
Frequency (MHz)				3600.01				
100	P2 BPSK	1	1	22.76	633334			
100	P2 BPSK	1	137	22.74	633334	24.0	0.0	
100	P2 BPSK	1	271	22.76				
100	P2 BPSK	136	0	22.27		24.0	0.0	
100	P2 BPSK	136	69	22.27		24.0	0.0	
100	P2 BPSK	136	138	22.27		24.0	0.0	
100	P2 BPSK	270	0	22.27		24.0	0.0	
100	QPSK	1	1	22.98				
100	QPSK	1	137	22.79		24.0	0.0	
100	QPSK	1	271	22.76				
100	QPSK	136	0	22.76		24.0	0.0	
100	QPSK	136	69	22.86		24.0	0.0	
100	QPSK	136	138	22.77		24.0	0.0	
100	QPSK	270	0	22.72		24.0	0.0	
100	16QAM	1	1	22.67				
100	64QAM	1	1	22.58		24.0	0.0	
100	256QAM	1	1	21.38		22.5	1.5	
Channel				633000	633334	633668		
Frequency (MHz)				3480	3400.01	3405.92		MPR (db)
90	QPSK	1	1	22.94	22.91	22.93	24.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3430.02	3500.01	3510	Time-up limit (dtm)	MPR (db)
80	QPSK	1	1	22.88	22.93	22.84	24.0	0.0
Channel				3448.01	633334	634334	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3448.01	3500.01	3515.01		
70	QPSK	1	1	22.89	22.90	22.87	24.0	0.0
Channel				632000	633333	633668	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3480	3500.01	3500.92		
60	QPSK	1	1	22.91	22.91	22.92	24.0	0.0
Channel				631668	633334	635000	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3415.02	3500.01	3525		
50	QPSK	1	1	22.91	22.87	22.94	24.0	0.0
Channel				631334	633334	635334	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.86	22.84	22.88	24.0	0.0
Channel				631001	633333	635668	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.95	22.92	22.85	24.0	0.0
Channel				630334	633334	636000	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3462.01	3500.01	3537.01		
25	QPSK	1	1	22.86	22.85	22.84	24.0	0.0
Channel				630668	633334	636000	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3430.02	3500.01	3540		
20	QPSK	1	1	22.93	22.84	22.96	24.0	0.0
Channel				633000	633334	636668	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.92		
15	QPSK	1	1	22.87	22.94	22.91	24.0	0.0
Channel				632333	633333	637334	Time-up limit (dtm)	MPR (db)
Frequency (MHz)				3425.01	3500.01	3545.01		
10	QPSK	1	1	22.85	22.83	22.93	24.0	0.0

Part27Q n78 PC2 Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Time-up limit (dtm)	MPR (db)	
Channel									
Frequency (MHz)									
100	P2 BPSK	1	1	25.83	33.334				
100	P2 BPSK	1	137	25.83	33.334		27.0	0.0	
100	P2 BPSK	1	271	25.83	33.334				
100	P2 BPSK	135	0	25.83	33.334		26.5	0.5	
100	P2 BPSK	135	69	25.83	33.334		27.0	0.0	
100	P2 BPSK	135	138	25.83	33.334		26.5	0.5	
100	P2 BPSK	270	0	25.46	33.334		26.5	0.5	
100	QPSK	1	1	26.40	33.334				
100	QPSK	1	137	26.88	33.334		27.0	0.0	
100	QPSK	1	271	26.92	33.334				
100	QPSK	135	0	26.88	33.334		26.0	1.0	
100	QPSK	135	69	25.96	33.334		27.0	0.0	
100	QPSK	135	138	25.99	33.334		26.0	1.0	
100	QPSK	270	0	25.07	33.334		26.0	1.0	
100	16QAM	1	1	29.59	33.334		26.0	1.0	
100	64QAM	1	1	23.21	33.334		24.5	2.5	
100	256QAM	1	1	21.38	33.334		22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	25.97	25.93	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	34.012	35.003	34.510	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.00	26.01	26.01	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.03	26.01	26.02	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	33.668	33.534	33.600	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	34.015	35.003	34.510	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	33.100	33.534	33.266	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	34.65	35.003	34.832	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.97	26.00	25.97	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	33.668	33.534	33.600	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	34.012	35.003	34.510	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.94	25.97	25.99	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.97	25.97	25.97	27.0	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				500202	518598	530000	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	23.26	23.32	23.21	24.0	0.0	
100	PI2 BPSK	1	137	23.16	23.26	23.22			
100	PI2 BPSK	1	271	23.13	23.25	23.18			
100	PI2 BPSK	135	0	22.83	23.00	22.84	24.0	0.0	
100	PI2 BPSK	135	69	23.19	23.39	23.27	24.0	0.0	
100	PI2 BPSK	135	138	22.71	22.88	22.72	24.0	0.0	
100	PI2 BPSK	270	0	22.84	22.86	22.67	24.0	0.0	
100	QPSK	1	1	23.30	23.52	23.38			
100	QPSK	1	137	23.45	23.34	23.09			
100	QPSK	1	271	23.23	23.25	23.17	24.0	0.0	
100	QPSK	135	0	23.33	23.43	23.28			
100	QPSK	135	69	23.30	23.45	23.15			
100	QPSK	135	138	23.28	23.35	23.15	24.0	0.0	
100	QPSK	270	0	23.28	23.36	23.07	24.0	0.0	
100	16QAM	1	1	23.25	23.23	23.08	24.0	0.0	
100	64QAM	1	1	23.15	23.31	23.28	24.0	0.0	
100	256QAM	1	1	21.98	22.06	21.78	22.5	1.5	
Channel				500202	518598	530996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	23.15	23.41	23.26	24.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2535.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	23.24	23.48	23.30	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0	
70	QPSK	1	1	23.17	23.38	23.27	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	23.17	23.44	23.27	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	23.21	23.44	23.26	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	23.24	23.47	23.27	24.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	23.18	23.45	23.23	24.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	23.25	23.36	23.29	24.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	23.20	23.39	23.31	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.0	0.0	
10	QPSK	1	1	23.24	23.40	23.26	24.0	0.0	

n41 PC2 Ant 10									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				500202	518598	530000	24.0	0.0	
Frequency (MHz)				2548.01	2592.99	2640			
100	PI2 BPSK	1	1	25.51	25.52	25.60	27.0	0.0	
100	PI2 BPSK	1	137	25.39	25.54	25.41			
100	PI2 BPSK	1	271	25.47	25.48	25.37			
100	PI2 BPSK	135	0	25.12	25.11	25.17	26.5	0.5	
100	PI2 BPSK	135	69	25.51	25.49	25.54	27.0	0.0	
100	PI2 BPSK	135	138	25.12	25.14	25.08	26.5	0.5	
100	PI2 BPSK	270	0	25.11	25.10	24.99	27.0	0.0	
100	QPSK	1	1	25.98	26.14	25.56			
100	QPSK	1	137	25.95	25.96	25.47			
100	QPSK	1	271	25.44	25.41	25.41	26.0	1.0	
100	QPSK	135	0	24.70	24.66	24.53			
100	QPSK	135	69	25.52	25.61	25.55			
100	QPSK	135	138	24.97	24.71	24.66	26.0	1.0	
100	QPSK	270	0	24.57	24.70	24.57	26.0	1.0	
100	16QAM	1	1	24.54	24.70	24.47	26.0	1.0	
100	64QAM	1	1	23.20	23.26	23.13	24.5	2.5	
100	256QAM	1	1	21.17	21.22	21.17	22.5	4.5	
Channel				500202	518598	530996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98	24.0	0.0	
90	QPSK	1	1	25.57	25.67	25.49	27.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2534.02	2592.99	2649.99	24.0	0.0	
80	QPSK	1	1	25.59	25.59	25.51	27.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655	24.0	0.0	
70	QPSK	1	1	25.60	25.64	25.46	27.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98	24.0	0.0	
60	QPSK	1	1	25.54	25.65	25.50	27.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99	24.0	0.0	
50	QPSK	1	1	25.62	25.62	25.44	27.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670	24.0	0.0	
40	QPSK	1	1	25.61	25.60	25.48	27.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98	24.0	0.0	
30	QPSK	1	1	25.58	25.67	25.42	27.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.02	2592.99	2679.99	24.0	0.0	
20	QPSK	1	1	25.64	25.66	25.46	27.0	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48	24.0	0.0	
15	QPSK	1	1	25.55	25.69	25.49	27.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685	24.0	0.0	
10	QPSK	1	1	25.57	25.70	25.44	27.0	0.0	



Reduced Power Mode for EC12_Other PA

n2 Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Main Ch./Freq.	Power MIMO Ch./Freq.	Power TPT Ch./Freq.	Turnup time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	22.50	22.75	22.71					
40	PI2 BPSK	1	108	22.50	22.75	22.66	24.0	0.0			
40	PI2 BPSK	1	214	22.50	22.76	22.60					
40	PI2 BPSK	108	5	22.50	22.76	22.60	23.5	0.5			
40	PI2 BPSK	108	54	22.53	22.76	22.61	24.0	0.0			
40	PI2 BPSK	216	5	22.50	22.23	22.15					
40	QPSK	1	1	22.42	22.60	22.73					
40	QPSK	1	108	22.53	22.77	22.58	24.0	0.0			
40	QPSK	1	214	22.53	22.75	22.60					
40	QPSK	108	5	21.57	21.60	21.60	23.0	1.0			
40	QPSK	108	54	22.53	22.77	22.58	24.0	0.0			
40	QPSK	108	108	21.54	21.78	21.61	23.0	1.0			
40	QPSK	216	5	21.51	21.78	21.60	22.0	1.0			
40	16QAM	1	1	21.40	21.75	21.58	22.0	1.0			
40	16QAM	1	1	20.74	20.90	20.90	21.0	2.0			
40	256QAM	1	1	18.75	18.34	18.32	18.5	4.5			
Channel											
35	QPSK	1	1	22.51	22.74	22.67	24.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	11.93	11.90	11.93					
30	QPSK	1	1	22.50	22.60	22.63	24.0	0.0			
30	QPSK	1	1	37.000	37.000	37.000	Turnup time (min)	MFR			
25	QPSK	1	1	22.57	22.67	22.66	24.0	0.0			
20	QPSK	1	1	22.50	22.600	22.600	Turnup time (min)	MFR			
20	QPSK	1	1	22.49	22.69	22.68	24.0	0.0			
15	QPSK	1	1	22.45	22.77	22.66	24.0	0.0			
10	QPSK	1	1	11.93	11.90	11.93					
5	QPSK	1	1	37.000	37.000	37.000	Turnup time (min)	MFR			
5	QPSK	1	1	22.48	22.67	22.65	24.0	0.0			

n25 Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power MIMO Ch./Freq.	Power TPT Ch./Freq.	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	22.50	22.69	22.61					
40	PI2 BPSK	1	108	22.48	22.59	22.45	24.0	0.0			
40	PI2 BPSK	1	214	22.52	22.60	22.45					
40	PI2 BPSK	108	5	22.50	22.54	22.45	23.5	0.5			
40	PI2 BPSK	108	54	22.50	22.68	22.61	23.0	0.0			
40	PI2 BPSK	108	108	22.54	22.14	22.07	23.5	0.5			
40	PI2 BPSK	216	5	22.50	22.21	22.10					
40	QPSK	1	1	22.65	22.79	22.71					
40	QPSK	1	108	22.76	22.67	22.49	24.0	0.0			
40	QPSK	1	214	22.81	22.60	22.45					
40	QPSK	108	5	21.66	21.77	21.71	23.0	1.0			
40	QPSK	108	54	22.84	22.70	22.51	24.0	0.0			
40	QPSK	108	108	21.68	21.71	21.60	23.0	1.0			
40	QPSK	216	5	21.62	21.69	21.49	22.0	1.0			
40	16QAM	1	1	21.60	21.73	21.60	22.0	1.0			
40	16QAM	1	1	20.21	20.40	20.22	21.0	2.0			
40	256QAM	1	1	18.31	18.32	18.75	18.5	4.5			
Channel											
35	QPSK	1	1	22.56	22.71	22.58	24.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	11.93	11.92	11.93					
30	QPSK	1	1	22.50	22.73	22.60	24.0	0.0			
25	QPSK	1	1	22.49	22.73	22.58	24.0	0.0			
20	QPSK	1	1	22.56	22.73	22.64	24.0	0.0			
15	QPSK	1	1	22.59	22.69	22.64	24.0	0.0			
10	QPSK	1	1	11.93	11.92	11.93					
5	QPSK	1	1	37.000	37.000	37.000	Turn-up time (min)	MFR			
5	QPSK	1	1	22.50	22.69	22.64	24.0	0.0			

n66 Ant 0											
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq. 34000	Power MIMO Ch./Freq. 341000	Power TPT Ch./Freq. 342000	Turn-up time (min)	MFR (dB)			
Channel											
Frequency (MHz)											
40	PI2 BPSK	1	1	22.49	22.50	22.44					
40	PI2 BPSK	1	108	22.45	22.45	22.39	24.0	0.0			
40	PI2 BPSK	1	214	22.43	22.50	22.37					
40	PI2 BPSK	108	5	22.46	22.47	22.31	23.5	0.5			
40	PI2 BPSK	108	54	22.51	22.37	22.42	24.0	0.0			
40	PI2 BPSK	108	108	22.01	22.08	21.80	23.5	0.5			
40	PI2 BPSK	216	5	22.03	22.10	21.92					
40	QPSK	1	1	22.37	22.68	22.50					
40	QPSK	1	108	22.48	22.50	22.34	24.0	0.0			
40	QPSK	1	214	22.41	22.45	22.37					
40	QPSK	108	5	21.50	21.55	21.50	23.0	1.0			
40	QPSK	108	54	22.51	22.51	22.51	23.0	0.0			
40	QPSK	108	108	21.57	21.58	21.51	23.0	1.0			
40	QPSK	216	5	21.53	21.50	21.45	23.0	1.0			
40	16QAM	1	1	21.49	21.57	21.48	23.0	1.0			
40	16QAM	1	1	20.11	20.27	20.25	21.0	2.0			
40	256QAM	1	1	18.18	18.11	17.89	18.5	4.5			
Channel											
35	QPSK	1	1	22.43	22.50	22.40	24.0	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	11.75	11.40	11.60	24.0	0.0			
30	QPSK	1	1	22.43	22.50	22.40	24.0	0.0			
25	QPSK	1	1	22.43	22.50	22.40	24.0	0.0			
20	QPSK	1	1	22.43	22.50	22.40	24.0	0.0			
15	QPSK	1	1	22.43	22.50	22.40	24.0	0.0			
10	QPSK	1	1	11.75	11.40	11.75					
5	QPSK	1	1	22.48	22.50	22.37	24.0	0.0			

n70 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Line Ch./Freq.	Power MIMO Ch./Freq.	Power TPT Ch./Freq.	turn-up time (min)	MFR	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.69					
15	PI2 BPSK	1	40	22.75			24.0	0.0	
15	PI2 BPSK	1	77	22.80					
15	PI2 BPSK	36	5	22.69			23.5	0.5	
15	PI2 BPSK	36	22	22.69			24.0	0.0	
15	PI2 BPSK	75	5	22.70			23.5	0.5	
15	QPSK	1	1	22.67					
15	QPSK	1	40	22.81			24.0	0.0	
15	QPSK	1	77	22.80					
15	QPSK	36	5	21.66			23.0	1.0	
15	QPSK	36	22	21.65			23.0	1.0	
15	QPSK	75	5	21.65			22.0	1.0	
15	16QAM	1	1	21.60			22.0	1.0	
15	16QAM	1	1	20.20			21.0	2.0	
15	256QAM	1	1	18.49			18.5	4.5	
Channel									
10	QPSK	1	1	22.84	22.80	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.83	22.80	22.81	24.0	0.0	

n41 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low (W)	Power Max (W)	Power High (W)	Power High (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PLC BPSK	1	1	22.74	22.85	22.85			
100	PLC BPSK	1	137	22.75	22.79	22.84	24.0	0.0	
100	PLC BPSK	1	271	22.71	22.82	22.82			
100	PLC BPSK	135	0	22.40	22.40	22.42	24.0	0.0	
100	PLC BPSK	135	0	22.81	22.81	22.82	24.0	0.0	
100	PLC BPSK	135	138	22.33	22.37	22.41	24.0	0.0	
100	QPSK	270	0	22.27	22.41	22.50			
100	QPSK	1	1	22.80	22.80	22.80			
100	QPSK	1	137	22.70	22.81	22.85	24.0	0.0	
100	QPSK	1	271	22.71	22.74	22.71			
100	QPSK	135	0	22.85	22.76	22.80	24.0	0.0	
100	QPSK	135	0	22.81	22.80	22.80	24.0	0.0	
100	QPSK	135	138	22.82	22.85	22.74	24.0	0.0	
100	16QAM	270	0	22.83	22.77	22.76			
100	16QAM	1	1	22.85	22.70	22.70	24.0	0.0	
100	16QAM	1	1	22.74	22.50	22.44	23.5	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.76	22.86	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.80	22.91	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.88	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.80	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.71	22.88	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.82	22.94	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.72	22.86	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.79	22.88	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.85	22.89	22.70	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.72	22.80	22.77	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.76	22.82	22.80	24.0	0.0	

n41 PC2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Time-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PLC BPSK	1	1	22.74	22.74	22.74			
100	PLC BPSK	1	137	22.75	22.75	22.84	24.0	0.0	
100	PLC BPSK	1	271	22.71	22.71	22.82	24.0	0.0	
100	PLC BPSK	135	0	22.40	22.40	22.42	23.0	0.0	
100	PLC BPSK	135	0	22.81	22.81	22.82	23.0	0.0	
100	PLC BPSK	135	138	22.33	22.37	22.41	23.0	0.0	
100	PLC BPSK	270	0	22.27	22.41	22.50			
100	QPSK	1	1	22.80	22.80	22.80			
100	QPSK	1	137	22.70	22.81	22.85	24.0	0.0	
100	QPSK	1	271	22.71	22.74	22.71			
100	QPSK	135	0	22.85	22.76	22.80	23.0	1.0	
100	QPSK	135	0	22.81	22.80	22.80	23.0	1.0	
100	QPSK	135	138	22.82	22.85	22.74	23.0	1.0	
100	16QAM	1	1	22.85	22.88	22.76	23.0	1.0	
100	16QAM	1	1	22.85	22.70	22.70	21.0	2.0	
100	16QAM	1	1	22.74	22.50	22.44	20.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.76	22.86	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.74	22.91	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.80	22.91	22.89	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.79	22.88	22.78	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.80	22.88	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.71	22.88	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.82	22.94	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	22.72	22.86	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.79	22.88	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.85	22.89	22.70	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.72	22.80	22.77	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.76	22.82	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.81	22.80	22.78	24.0	0.0	



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 374000)	Power Max Ch. 1 (Freq. 375000)	Power High Ch. 1 (Freq. 376000)	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	15.56	15.52	15.55			
40	PSS-BPSK	1	108	15.42	15.48	15.52	16.4	0.0	
40	PSS-BPSK	1	214	15.30	15.48	15.35			
40	PSS-BPSK	108	0	15.57	15.53	15.57	16.4	0.0	
40	PSS-BPSK	108	54	15.29	15.43	15.39	16.4	0.0	
40	PSS-BPSK	108	108	15.27	15.48	15.30	16.4	0.0	
40	PSS-BPSK	216	0	15.35	15.48	15.42			
40	QPSK	1	1	15.57	15.55	15.55			
40	QPSK	1	108	15.43	15.58	15.53	16.4	0.0	
40	QPSK	1	214	15.49	15.63	15.47			
40	QPSK	108	0	15.39	15.33	15.21	16.4	0.0	
40	QPSK	108	54	15.47	15.30	15.44	16.4	0.0	
40	QPSK	108	108	15.23	15.33	15.35	16.4	0.0	
40	QPSK	216	0	15.26	15.35	15.17			
40	SSB-QAM	1	1	15.26	15.36	15.28	16.4	0.0	
40	SSB-QAM	1	1	15.29	15.36	15.28	16.4	0.0	
40	SSB-QAM	1	1	15.38	15.36	15.25	16.4	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	15.44	15.58	15.47	16.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.49	15.38	15.40	16.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.53	15.54	15.47	16.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.43	15.58	15.45	16.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.49	15.38	15.47	16.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.43	15.33	15.43	16.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.44	15.58	15.53	16.4	0.0	

n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 374000)	Power Max Ch. 1 (Freq. 375000)	Power High Ch. 1 (Freq. 376000)	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	15.48	15.55	15.54			
40	PSS-BPSK	1	108	15.29	15.40	15.31	16.4	0.0	
40	PSS-BPSK	1	214	15.26	15.38	15.29			
40	PSS-BPSK	108	0	15.39	15.51	15.25	16.4	0.0	
40	PSS-BPSK	108	54	15.23	15.58	15.27	16.4	0.0	
40	PSS-BPSK	108	108	15.19	15.38	15.28	16.4	0.0	
40	PSS-BPSK	216	0	15.33	15.34	15.35			
40	QPSK	1	1	15.39	15.53	15.45			
40	QPSK	1	108	15.34	15.54	15.43	16.4	0.0	
40	QPSK	1	214	15.38	15.50	15.36			
40	QPSK	108	0	15.12	15.23	15.22	16.4	0.0	
40	QPSK	108	54	15.26	15.55	15.29	16.4	0.0	
40	QPSK	108	108	15.16	15.18	15.25	16.4	0.0	
40	QPSK	216	0	15.34	15.28	15.08			
40	SSB-QAM	1	1	15.26	15.30	15.19	16.4	0.0	
40	SSB-QAM	1	1	15.24	15.28	15.15	16.4	0.0	
40	SSB-QAM	1	1	15.26	15.26	15.13	16.4	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	15.35	15.44	15.34	16.4	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.35	15.44	15.34	16.4	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.38	15.49	15.35	16.4	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.39	15.49	15.31	16.4	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.44	15.51	15.39	16.4	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.36	15.44	15.33	16.4	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	15.33	15.40	15.37	16.4	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 345000)	Power Max Ch. 1 (Freq. 346000)	Power High Ch. 1 (Freq. 347000)	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
40	PSS-BPSK	1	1	16.53	16.53	16.54			
40	PSS-BPSK	1	108	16.76	16.74	16.75	17.8	0.0	
40	PSS-BPSK	1	214	16.68	16.83	16.66			
40	PSS-BPSK	108	0	16.92	16.90	16.89	17.8	0.0	
40	PSS-BPSK	108	54	16.76	16.94	16.87	17.8	0.0	
40	PSS-BPSK	108	108	16.70	16.80	16.87	17.8	0.0	
40	PSS-BPSK	216	0	16.86	16.80	16.76			
40	QPSK	1	1	16.85	16.87	16.86			
40	QPSK	1	108	16.77	16.90	16.84	17.8	0.0	
40	QPSK	1	214	16.84	16.92	16.87			
40	QPSK	108	0	16.82	16.81	16.58	17.8	0.0	
40	QPSK	108	54	16.86	16.79	16.76	17.8	0.0	
40	QPSK	108	108	16.83	16.85	16.86	17.8	0.0	
40	QPSK	216	0	16.44	16.74	16.81			
40	SSB-QAM	1	1	16.81	16.81	16.84	17.8	0.0	
40	SSB-QAM	1	1	16.82	16.78	16.86	17.8	0.0	
40	SSB-QAM	1	1	16.81	16.72	16.82	17.8	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.85	16.87	16.76	17.8	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.85	16.87	16.76	17.8	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.81	16.83	16.85	17.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.81	16.82	16.77	17.8	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.86	16.83	16.85	17.8	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.83	16.82	16.82	17.8	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.85	16.91	16.78	17.8	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power Max Ch. 1/Freq.	Power High Ch. 1/Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
15	PSS-BPSK	1	1	17.26					
15	PSS-BPSK	1	40	17.10			18.5	0.0	
15	PSS-BPSK	1	79	17.12					
15	PSS-BPSK	36	0	17.22			18.5	0.0	
15	PSS-BPSK	36	20	17.21			18.5	0.0	
15	PSS-BPSK	36	40	17.07			18.5	0.0	
15	PSS-BPSK	72	0	17.13					
15	QPSK	1	1	17.25			18.5	0.0	
15	QPSK	1	40	17.25			18.5	0.0	
15	QPSK	1	79	17.25			18.5	0.0	
15	QPSK	36	20	17.25			18.5	0.0	
15	QPSK	36	40	16.87			18.5	0.0	
15	QPSK	72	0	16.90			18.5	0.0	
15	QPSK	1	1	17.25			18.5	0.0	
15	QPSK	1	1	17.00			18.5	0.0	
15	QPSK	1	1	17.00			18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25	18.5	0.0	
15	QPSK	1	1	17.25	17.25	17.25			

n41 PC3/PC2 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				509202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PV2 BPSK	1	1	16.28	16.34	16.19			
100	PV2 BPSK	1	137	16.11	16.19	16.07	17.3	0.0	
100	PV2 BPSK	1	271	16.11	16.17	16.01			
100	PV2 BPSK	135	0	16.28	16.35	16.09	17.3	0.0	
100	PV2 BPSK	135	69	16.09	16.24	16.17	17.3	0.0	
100	PV2 BPSK	135	138	16.03	16.24	16.12	17.3	0.0	
100	PV2 BPSK	270	0	16.09	16.21	16.09			
100	QPSK	1	1	16.32	16.45	16.33			
100	QPSK	1	137	16.16	16.26	16.30	17.3	0.0	
100	QPSK	1	271	16.15	16.28	16.22			
100	QPSK	135	0	16.01	16.02	16.04	17.3	0.0	
100	QPSK	135	69	16.15	16.24	16.18	17.3	0.0	
100	QPSK	135	138	15.94	15.95	15.97	17.3	0.0	
100	QPSK	270	0	15.86	16.12	15.94			
100	16QAM	1	1	15.99	16.10	16.02	17.3	0.0	
100	64QAM	1	1	16.05	16.15	15.99	17.3	0.0	
100	256QAM	1	1	16.04	16.19	16.01	17.3	0.0	
Channel				506200	518998	528998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	16.23	16.33	16.23	17.3	0.0	
Channel				507204	518998	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	16.16	16.30	16.22	17.3	0.0	
Channel				506202	518998	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	16.17	16.33	16.19	17.3	0.0	
Channel				506200	518998	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	16.28	16.40	16.21	17.3	0.0	
Channel				504204	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2621.02	2592.99	2684.99	(dBm)	(dB)	
50	QPSK	1	1	16.19	16.37	16.19	17.3	0.0	
Channel				503700	518998	533498	Tune-up limit	MPR	
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)	(dB)	
45	QPSK	1	1	16.17	16.33	16.19	17.3	0.0	
Channel				503202	518998	533000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	16.19	16.31	16.21	17.3	0.0	
Channel				502704	518998	534498	Tune-up limit	MPR	
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)	(dB)	
35	QPSK	1	1	16.19	16.41	16.22	17.3	0.0	
Channel				502200	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	16.25	16.40	16.20	17.3	0.0	
Channel				501702	518998	533500	Tune-up limit	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)	
25	QPSK	1	1	16.20	16.41	16.18	17.3	0.0	
Channel				501204	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2506.09	2692.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	16.17	16.39	16.25	17.3	0.0	
Channel				500700	518998	533498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2662.48	(dBm)	(dB)	
15	QPSK	1	1	16.17	16.36	16.19	17.3	0.0	
Channel				500202	518998	533000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2665	(dBm)	(dB)	
10	QPSK	1	1	16.23	16.29	16.25	17.3	0.0	

n41 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Time-up time (dBm)	MPK (dB)
Channel								
Frequency (MHz)								
100	PL2-BPSK	1	1	23.16	23.20	23.25		
100	PL2-BPSK	1	137	23.05	23.08	23.25	24.0	0.0
100	PL2-BPSK	1	271	23.05	23.08	23.25		
100	PL2-BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	PL2-BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	PL2-BPSK	135	136	22.69	22.69	22.39	24.0	0.0
100	PL2-BPSK	270	0	22.70	22.73	22.41		
100	QPSK	1	1	23.11	23.25	23.05		
100	QPSK	1	137	23.13	23.12	22.94	24.0	0.0
100	QPSK	1	271	23.01	23.08	22.85		
100	QPSK	135	6	23.19	23.18	23.01	24.0	0.0
100	QPSK	135	6	23.14	23.14	22.95	24.0	0.0
100	QPSK	135	136	23.07	23.17	22.95	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90		
100	8QAM	1	1	23.05	23.08	22.85	24.0	0.0
100	8QAM	1	1	23.02	23.04	22.87	24.0	0.0
100	8QAM	1	1	23.12	23.81	23.50	24.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.11	23.16	22.95	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.10	23.22	22.90	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.06	23.17	22.87	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.14	23.18	22.97	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.08	23.23	22.87	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	23.05	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.07	23.22	22.81	24.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	23.13	23.25	22.87	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.14	23.17	22.95	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.11	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.12	23.24	22.87	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.21	22.85	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.08	23.18	22.85	24.0	0.0

n41 PC2 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Max Ch. (Frac.)	Power High Ch. (Frac.)	Time-up time (dBm)	MPK (dB)
Channel								
Frequency (MHz)								
100	PL2-BPSK	1	1	23.16	23.20	23.25		
100	PL2-BPSK	1	137	23.05	23.08	23.25	24.0	0.0
100	PL2-BPSK	1	271	23.05	23.08	23.25		
100	PL2-BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	PL2-BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	PL2-BPSK	135	136	22.69	22.69	22.39	24.0	0.0
100	PL2-BPSK	270	0	22.70	22.73	22.41		
100	QPSK	1	1	23.11	23.25	23.05		
100	QPSK	1	137	23.13	23.12	22.94	24.0	0.0
100	QPSK	1	271	23.01	23.08	22.85		
100	QPSK	135	6	23.19	23.18	23.01	24.0	0.0
100	QPSK	135	6	23.14	23.14	22.95	24.0	0.0
100	QPSK	135	136	23.07	23.17	22.95	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90		
100	8QAM	1	1	23.05	23.08	22.85	24.0	0.0
100	8QAM	1	1	23.02	23.04	22.87	24.0	0.0
100	8QAM	1	1	23.12	23.81	23.50	24.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.11	23.16	22.95	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.10	23.22	22.90	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.06	23.17	22.87	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.14	23.18	22.97	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.08	23.23	22.87	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	23.05	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.07	23.22	22.81	24.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	23.13	23.25	22.87	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.14	23.17	22.95	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.11	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.12	23.24	22.87	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.21	22.85	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.08	23.18	22.85	24.0	0.0

n48 Part96 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPN	(dB)
Channel									
Frequency (MHz)									
48	PSSBPSK	1	1	22.44	22.50	22.47			
48	PSSBPSK	1	53	22.21	22.50	22.34	24.0	0.0	
48	PSSBPSK	1	104	22.30	22.47	22.29			
48	PSSBPSK	50	0	21.80	22.13	21.88	23.5	0.0	
48	PSSBPSK	50	50	21.84	22.01	21.84	24.0	0.0	
48	PSSBPSK	50	50	21.90	22.09	21.87	23.5	0.0	
48	PSSBPSK	100	0	21.87	22.21	21.89			
48	QPSK	1	1	22.51	22.18	22.65			
48	QPSK	1	53	22.28	22.67	22.34	24.0	0.0	
48	QPSK	1	104	22.31	22.57	22.29			
48	QPSK	50	0	21.44	21.88	21.50	23.0	1.0	
48	QPSK	50	50	21.48	21.84	21.66	24.0	0.0	
48	QPSK	50	50	21.50	21.88	21.68	23.0	1.0	
48	QPSK	100	0	21.50	21.79	21.53			
48	8QAM	1	1	21.38	21.63	21.30	23.0	1.0	
48	8QAM	1	1	20.04	20.23	20.08	21.5	0.5	
48	8QAM	1	1	18.01	18.31	18.05	18.5	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.71	22.67	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.28	22.84	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.34	22.71	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.30	22.76	22.41	24.0	0.0	

Part270 n77 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPN	(dB)
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.04	23.18	23.01			
100	PSSBPSK	1	137	22.85	23.12	22.88	24.0	0.0	
100	PSSBPSK	1	271	22.80	23.08	22.85			
100	PSSBPSK	100	0	22.50	22.79	22.50	24.0	0.0	
100	PSSBPSK	100	40	23.10	23.25	23.09	24.0	0.0	
100	PSSBPSK	100	104	22.62	22.72	22.64	24.0	0.0	
100	PSSBPSK	270	0	22.55	22.74	22.55			
100	QPSK	1	1	23.05	23.31	23.05			
100	QPSK	1	137	23.08	23.13	23.05	24.0	0.0	
100	QPSK	1	271	23.07	23.11	23.03			
100	QPSK	100	0	23.11	23.18	23.08	24.0	0.0	
100	QPSK	100	40	23.20	23.24	23.20	24.0	0.0	
100	QPSK	100	104	22.69	23.18	23.05	24.0	0.0	
100	QPSK	270	0	23.14	23.19	23.01			
100	8QAM	1	1	23.03	23.16	23.00	24.0	0.0	
100	8QAM	1	1	23.00	23.10	23.00	24.0	0.0	
100	8QAM	1	1	21.72	21.80	21.50	20.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.97	23.21	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.80	23.27	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.67	23.29	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.52	23.18	22.54	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.69	23.21	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.05	23.28	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.44	23.24	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.44	23.20	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.04	23.23	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.05	23.22	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.01	23.21	22.00	24.0	0.0	

Part270 n77 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power High Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPN	(dB)
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1			23.30			
100	PSSBPSK	1	137			23.33	24.0	0.0	
100	PSSBPSK	1	271			23.18			
100	PSSBPSK	100	0			22.93	24.0	0.0	
100	PSSBPSK	100	40			23.00	24.0	0.0	
100	PSSBPSK	100	104			22.79	24.0	0.0	
100	PSSBPSK	270	0			22.89			
100	QPSK	1	1			23.23			
100	QPSK	1	137			23.22	24.0	0.0	
100	QPSK	1	271			23.27			
100	QPSK	100	0			23.12	24.0	0.0	
100	QPSK	100	40			23.00	24.0	0.0	
100	QPSK	100	104			23.29	24.0	0.0	
100	QPSK	270	0			23.31			
100	8QAM	1	1			23.31	24.0	0.0	
100	8QAM	1	1			23.00	23.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1			23.30	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1			23.33	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1			23.28	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1			23.31	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1			23.28	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1			23.35	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1			23.30	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1			23.30	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1			23.31	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1			23.34	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1			23.32	24.0	0.0	

Part27O n78 Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)
Channel				850000	850000	850000	MPR (dB)
Frequency (MHz)							
100	PI-C BPSK	1	1	22.22	22.22	22.22	
100	PI-C BPSK	1	137	22.19	22.19	24.0	0.0
100	PI-C BPSK	1	271	22.03	22.03		
100	PI-C BPSK	135	0	22.03	24.0	0.0	
100	PI-C BPSK	135	86	22.22	24.0	0.0	
100	PI-C BPSK	135	136	22.04			
100	PI-C BPSK	270	0	22.19	24.0	0.0	
100	QPSK	1	1	22.22	22.22		
100	QPSK	1	137	22.19	24.0	0.0	
100	QPSK	1	271	22.03			
100	QPSK	135	0	22.20	24.0	0.0	
100	QPSK	135	86	22.24	24.0	0.0	
100	QPSK	135	136	22.21			
100	QPSK	270	0	22.19	24.0	0.0	
100	16QAM	1	1	22.13	24.0	0.0	
100	16QAM	1	1	22.04	24.0	0.0	
100	16QAM	1	1	22.03	22.5	1.5	
Channel							
Frequency (MHz)							
80	QPSK	1	1	549556	549556	550234	Time-up time (dBm)
80	QPSK	1	1	22.12	22.21	22.25	24.0
80	QPSK	1	1	549334	550000	550000	Time-up time (dBm)
80	QPSK	1	1	3143.01	3150	3160.00	(dB)
80	QPSK	1	1	22.23	22.17	22.20	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.15	22.14	22.15	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.20	22.14	22.14	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.17	22.13	22.13	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.17	22.18	22.20	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.13	22.19	22.12	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.22	22.14	22.14	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.15	22.22	22.21	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.19	22.19	22.11	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.03	22.23	22.15	24.0

Part27Q n78 Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Time-up time (dBm)
Channel				850000	850000	850000	MPR (dB)
Frequency (MHz)							
100	PI-C BPSK	1	1	22.21	22.21		
100	PI-C BPSK	1	137	22.25		24.0	0.0
100	PI-C BPSK	1	271	22.11			
100	PI-C BPSK	135	0	22.03	24.0	0.0	
100	PI-C BPSK	135	86	22.22	24.0	0.0	
100	PI-C BPSK	135	136	22.05			
100	PI-C BPSK	270	0	22.04	24.0	0.0	
100	QPSK	1	1	22.22	22.22		
100	QPSK	1	137	22.11	24.0	0.0	
100	QPSK	1	271	22.23			
100	QPSK	135	0	22.19	24.0	0.0	
100	QPSK	135	86	22.26	24.0	0.0	
100	QPSK	135	136	22.19			
100	QPSK	270	0	22.24	24.0	0.0	
100	16QAM	1	1	22.13	24.0	0.0	
100	16QAM	1	1	22.06	24.0	0.0	
100	16QAM	1	1	22.06	22.5	1.5	
Channel							
Frequency (MHz)							
80	QPSK	1	1	533000	533334	533666	Time-up time (dBm)
80	QPSK	1	1	22.16	22.23	22.21	24.0
80	QPSK	1	1	533668	533334	534000	Time-up time (dBm)
80	QPSK	1	1	3440.02	3450.00	3450.00	(dB)
80	QPSK	1	1	22.26	22.20	22.27	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.19	22.24	22.21	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.25	22.17	22.17	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.22	22.22	22.24	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.19	22.18	22.20	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.19	22.28	22.28	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.27	22.24	22.17	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.24	22.18	22.26	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.24	22.16	22.19	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.26	22.17	22.17	24.0

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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)				3600	3624.99	3649.98		
40	PV2 BPSK	1	1	15.49	15.51	15.53		
40	PV2 BPSK	1	53	15.33	15.32	15.17	16.6	0.0
40	PV2 BPSK	1	104	15.28	15.30	15.17		
40	PV2 BPSK	50	0	15.46	15.52	15.40	16.6	0.0
40	PV2 BPSK	50	28	15.36	15.43	15.27	16.6	0.0
40	PV2 BPSK	50	56	15.24	15.45	15.28		
40	PV2 BPSK	100	0	15.32	15.43	15.37	16.6	0.0
40	QPSK	1	1	15.56	15.63	15.55		
40	QPSK	1	53	15.37	15.56	15.52		
40	QPSK	1	104	15.37	15.46	15.47	16.6	0.0
40	QPSK	50	0	15.08	15.33	15.17	16.6	0.0
40	QPSK	50	28	15.39	15.52	15.35	16.6	0.0
40	QPSK	50	56	15.21	15.11	15.19	16.6	0.0
40	QPSK	100	0	15.01	15.25	15.09		
40	16QAM	1	1	15.18	15.27	15.19	16.6	0.0
40	64QAM	1	1	15.16	15.38	15.17	16.6	0.0
40	256QAM	1	1	15.26	15.34	15.16	16.6	0.0
Channel								
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	15.46	15.51	15.50	16.6	0.0
Channel								
Frequency (MHz)				637334	641666	646000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	15.40	15.40	15.39	16.6	0.0
Channel								
Frequency (MHz)				637168	641666	646166	Tune-up limit (dBm)	MPR
10	QPSK	1	1	15.40	15.40	15.39	16.6	0.0
Channel								
Frequency (MHz)				637000	641666	646332	Tune-up limit (dBm)	MPR
10	QPSK	1	1	15.42	15.52	15.39	16.6	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)				650000	656000	662000		
100	PV2 BPSK	1	1	15.63	15.70	15.58		
100	PV2 BPSK	1	137	15.54	15.54	15.47	16.2	0.0
100	PV2 BPSK	1	271	15.43	15.67	15.49		
100	PV2 BPSK	135	0	15.72	15.70	15.50	16.2	0.0
100	PV2 BPSK	135	69	15.42	15.57	15.41	16.2	0.0
100	PV2 BPSK	135	138	15.45	15.51	15.50		
100	PV2 BPSK	270	0	15.49	15.57	15.51	16.2	0.0
100	QPSK	1	1	15.74	15.85	15.76		
100	QPSK	1	137	15.66	15.66	15.56		
100	QPSK	1	271	15.59	15.69	15.60	16.2	0.0
100	QPSK	135	0	15.37	15.41	15.42	16.2	0.0
100	QPSK	135	69	15.64	15.72	15.70	16.2	0.0
100	QPSK	135	138	15.44	15.45	15.32	16.2	0.0
100	QPSK	270	0	15.29	15.40	15.39		
100	16QAM	1	1	15.43	15.56	15.44	16.2	0.0
100	64QAM	1	1	15.48	15.48	15.31	16.2	0.0
100	256QAM	1	1	15.44	15.43	15.40	16.2	0.0
Channel								
Frequency (MHz)				659500	656000	652504	Tune-up limit (dBm)	MPR
90	QPSK	1	1	15.19	15.29	15.15	16.2	0.0
Channel								
Frequency (MHz)				660334	656000	652668	Tune-up limit (dBm)	MPR
80	QPSK	1	1	15.11	15.22	15.19	16.2	0.0
Channel								
Frequency (MHz)				660000	656000	652000	Tune-up limit (dBm)	MPR
70	QPSK	1	1	15.10	15.20	15.19	16.2	0.0
Channel								
Frequency (MHz)				660868	656000	653334	Tune-up limit (dBm)	MPR
60	QPSK	1	1	15.12	15.28	15.18	16.2	0.0
Channel								
Frequency (MHz)				661324	656000	652504	Tune-up limit (dBm)	MPR
50	QPSK	1	1	15.09	15.20	15.13	16.2	0.0
Channel								
Frequency (MHz)				660000	656000	654000	Tune-up limit (dBm)	MPR
40	QPSK	1	1	15.19	15.22	15.16	16.2	0.0
Channel								
Frequency (MHz)				661668	656000	654334	Tune-up limit (dBm)	MPR
30	QPSK	1	1	15.15	15.23	15.17	16.2	0.0
Channel								
Frequency (MHz)				662500	656000	654500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	15.16	15.20	15.21	16.2	0.0
Channel								
Frequency (MHz)				662128	656000	654668	Tune-up limit (dBm)	MPR
20	QPSK	1	1	15.11	15.21	15.10	16.2	0.0
Channel								
Frequency (MHz)				661788	656000	654834	Tune-up limit (dBm)	MPR
15	QPSK	1	1	15.11	15.22	15.12	16.2	0.0
Channel								
Frequency (MHz)				661000	656000	655000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	15.08	15.20	15.12	16.2	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)				630000	633334	636668		
100	PV2 BPSK	1	1	15.77	15.77			
100	PV2 BPSK	1	137	15.64			16.2	0.0
100	PV2 BPSK	1	271	15.59				
100	PV2 BPSK	135	0	15.67			16.2	0.0
100	PV2 BPSK	135	69	15.40			16.2	0.0
100	PV2 BPSK	135	138	15.52				
100	PV2 BPSK	270	0	15.51			16.2	0.0
100	QPSK	1	1	15.67				
100	QPSK	1	137	15.75				
100	QPSK	1	271	15.75			16.2	0.0
100	QPSK	135	0	15.37			16.2	0.0
100	QPSK	135	69	15.78			16.2	0.0
100	QPSK	135	138	15.43			16.2	0.0
100	QPSK	270	0	15.52				
100	16QAM	1	1	15.62			16.2	0.0
100	64QAM	1	1	15.54			16.2	0.0
100	256QAM	1	1	15.62			16.2	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR
90	QPSK	1	1	15.21	15.33	15.30	16.2	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR
80	QPSK	1	1	15.20	15.25	15.22	16.2	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR
70	QPSK	1	1	15.20	15.23	15.22	16.2	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR
60	QPSK	1	1	15.24	15.25	15.27	16.2	0.0
Channel								
Frequency (MHz)				631548	633334	635000	Tune-up limit (dBm)	MPR
50	QPSK	1	1	15.25	15.29	15.27	16.2	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR
40	QPSK	1	1	15.31	15.25	15.30	16.2	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR
30	QPSK	1	1	15.26	15.29	15.21	16.2	0.0
Channel								
Frequency (MHz)				630548	633334	635934	Tune-up limit (dBm)	MPR
25	QPSK	1	1	15.26	15.21	15.26	16.2	0.0
Channel								
Frequency (MHz)				630000	633334	636168	Tune-up limit (dBm)	MPR
20	QPSK	1	1	15.32	15.23	15.23	16.2	0.0
Channel								
Frequency (MHz)				630000	633334	636168	Tune-up limit (dBm)	MPR
15	QPSK	1	1	15.29	15.29	15.32	16.2	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR
10	QPSK	1	1	15.21	15.24	15.22	16.2	0.0

Part270 n78 Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	650000	650000				
Frequency (MHz)				3750	3750	3750				
100	PQ2 BPSK	1	1		15.27		16.2	0.0		
100	PQ2 BPSK	1	137		15.17					
100	PQ2 BPSK	1	271		15.17					
100	PQ2 BPSK	135	0		15.36		16.2	0.0		
100	PQ2 BPSK	135	69		15.18		16.2	0.0		
100	PQ2 BPSK	135	138		15.24		16.2	0.0		
100	PQ2 BPSK	270	0		15.20					
100	QPSK	1	1		15.37					
100	QPSK	1	137		15.24		16.2	0.0		
100	QPSK	1	271		15.35					
100	QPSK	135	0		15.11		16.2	0.0		
100	QPSK	135	69		15.25		16.2	0.0		
100	QPSK	135	138		15.08		16.2	0.0		
100	QPSK	270	0		15.05					
100	16QAM	1	1		15.05		16.2	0.0		
100	64QAM	1	1		15.08		16.2	0.0		
100	256QAM	1	1		15.06					
Channel				649608	650000	650334	Tune-up limit	MPR		
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)		
90	QPSK	1	1		15.22	15.28	15.23	16.2	0.0	
Channel				640334	650000	650968	Tune-up limit	MPR		
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)		
80	QPSK	1	1		15.28	15.27	15.30	16.2	0.0	
Channel				646000	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)		
70	QPSK	1	1		15.27	15.25	15.20	16.2	0.0	
Channel				648608	650000	651334	Tune-up limit	MPR		
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)		
60	QPSK	1	1		15.27	15.25	15.27	16.2	0.0	
Channel				650334	650000	651000	Tune-up limit	MPR		
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)		
50	QPSK	1	1		15.19	15.19	15.25	16.2	0.0	
Channel				648000	650000	652000	Tune-up limit	MPR		
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)		
40	QPSK	1	1		15.26	15.23	15.27	16.2	0.0	
Channel				647608	650000	652334	Tune-up limit	MPR		
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)		
30	QPSK	1	1		15.21	15.20	15.21	16.2	0.0	
Channel				650500	650000	652500	Tune-up limit	MPR		
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)		
25	QPSK	1	1		15.26	15.20	15.18	16.2	0.0	
Channel				647334	650000	652668	Tune-up limit	MPR		
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)		
20	QPSK	1	1		15.21	15.24	15.22	16.2	0.0	
Channel				647168	650000	652834	Tune-up limit	MPR		
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)		
15	QPSK	1	1		15.25	15.29	15.20	16.2	0.0	
Channel				647000	650000	653000	Tune-up limit	MPR		
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)		
10	QPSK	1	1		15.20	15.20	15.29	16.2	0.0	

Part27Q n78 Ant 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Mid Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel				650000	633334	633334				
Frequency (MHz)				3600.01						
100	PQ2 BPSK	1	1		15.46		16.2	0.0		
100	PQ2 BPSK	1	137		15.42					
100	PQ2 BPSK	1	271		15.50					
100	PQ2 BPSK	135	0		15.51		16.2	0.0		
100	PQ2 BPSK	135	69		15.44		16.2	0.0		
100	PQ2 BPSK	135	138		15.49		16.2	0.0		
100	PQ2 BPSK	270	0		15.51					
100	PQ2 BPSK	270	0		15.51					
100	QPSK	1	1		15.68		16.2	0.0		
100	QPSK	1	137		15.55					
100	QPSK	1	271		15.59					
100	QPSK	135	0		15.27		16.2	0.0		
100	QPSK	135	69		15.58		16.2	0.0		
100	QPSK	135	138		15.31		16.2	0.0		
100	QPSK	270	0		15.34					
100	16QAM	1	1		15.32		16.2	0.0		
100	64QAM	1	1		15.45		16.2	0.0		
100	256QAM	1	1		15.34					
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3600.01	3605.02				
90	QPSK	1	1		15.05	15.02	15.06	16.2	0.0	
Channel				630968	633334	634000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3600.01	3610				
80	QPSK	1	1		15.12	15.11	15.03	16.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3450.01	3600.01	3616.01				
70	QPSK	1	1		15.08	15.14	15.08	16.2	0.0	
Channel				630000	633334	634668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3440	3600.01	3620.02				
60	QPSK	1	1		15.04	15.09	15.09	16.2	0.0	
Channel				630568	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3600.01	3625				
50	QPSK	1	1		15.09	15.04	15.03	16.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3470.01	3600.01	3630.01				
40	QPSK	1	1		15.08	15.10	15.08	16.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3465	3600.01	3636.02				
30	QPSK	1	1		15.07	15.04	15.04	16.2	0.0	
Channel				630504	633334	635904	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3462.01	3600.01	3637.01				
25	QPSK	1	1		15.13	15.03	15.03	16.2	0.0	
Channel				630068	633334	636000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3460.02	3600.01	3640				
20	QPSK	1	1		15.05	15.04	15.07	16.2	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3457.5	3600.01	3642.52				
15	QPSK	1	1		15.13	15.14	15.05	16.2	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3455.01	3600.01	3645.01				
10	QPSK	1	1		15.05	15.06	15.13	16.2	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				3370	3624.99	3679.98		
Frequency (MHz)				17.90	18.06	17.84		
40	PV2 BPSK	1	1	17.90	18.06	17.84		
40	PV2 BPSK	1	53	17.78	17.94	17.78	19.2	0.0
40	PV2 BPSK	1	104	17.88	17.94	17.71		
40	PV2 BPSK	50	0	17.97	18.10	17.86	19.2	0.0
40	PV2 BPSK	50	28	17.80	17.90	17.84	19.2	0.0
40	PV2 BPSK	50	56	17.74	17.94	17.74		
40	PV2 BPSK	100	0	17.84	17.90	17.88	19.2	0.0
40	QPSK	1	1	18.10	18.12	17.93		
40	QPSK	1	53	17.96	18.04	17.86		
40	QPSK	1	104	17.87	17.97	17.85	19.2	0.0
40	QPSK	50	0	17.72	17.78	17.70	19.2	0.0
40	QPSK	50	28	17.84	17.96	17.89	19.2	0.0
40	QPSK	50	56	17.76	17.86	17.77		
40	QPSK	100	0	17.54	17.70	17.61	19.2	0.0
40	16QAM	1	1	17.85	17.76	17.67	19.2	0.0
40	64QAM	1	1	17.71	17.83	17.68	19.2	0.0
40	256QAM	1	1	17.83	17.83	18.5	137	
Channel				3365.02	3624.99	3684.99		
Frequency (MHz)				17.85	18.05	18.05		
30	QPSK	1	1	18.04	17.97	17.78	19.2	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3667.62	3624.99	3669		
20	QPSK	1	1	18.05	17.98	17.77	19.2	0.0
Channel				637168	641666	646166		
Frequency (MHz)				18.00	18.00	17.82	19.2	0.0
10	QPSK	1	1	18.00	18.00	17.82		
Channel				637000	641666	646332		
Frequency (MHz)				3665	3624.99	3664.98		
10	QPSK	1	1	18.06	17.97	17.87	19.2	0.0

Part27Q n77 Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	660000		
Frequency (MHz)				15.86	15.86	15.71		
100	PV2 BPSK	1	1	15.86	15.86	15.71		
100	PV2 BPSK	1	137	15.71	15.67	15.64	17.0	0.0
100	PV2 BPSK	1	271	15.67	15.66	15.58		
100	PV2 BPSK	135	0	15.84	15.80	15.61	17.0	0.0
100	PV2 BPSK	135	69	15.62	15.70	15.66	17.0	0.0
100	PV2 BPSK	135	138	15.59	15.73	15.56		
100	PV2 BPSK	270	0	15.75	15.69	15.65	17.0	0.0
100	QPSK	1	1	15.93	15.96	15.78		
100	QPSK	1	137	15.73	15.76	15.69		
100	QPSK	1	271	15.78	15.84	15.75	17.0	0.0
100	QPSK	135	0	15.56	15.66	15.54	17.0	0.0
100	QPSK	135	69	15.67	15.78	15.76	17.0	0.0
100	QPSK	135	138	15.47	15.52	15.55		
100	QPSK	270	0	15.40	15.63	15.50	17.0	0.0
100	16QAM	1	1	15.50	15.72	15.51	17.0	0.0
100	64QAM	1	1	15.61	15.75	15.51	17.0	0.0
100	256QAM	1	1	15.57	15.65	15.61	17.0	0.0
Channel				649950	656000	662000		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.88	15.81	15.66	17.0	0.0
Channel				649334	656000	662068		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.79	15.81	15.67	17.0	0.0
Channel				649000	656000	662000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.86	15.70	15.69	17.0	0.0
Channel				648968	656000	663334		
Frequency (MHz)				3730.02	3840	3960.01		
60	QPSK	1	1	15.84	15.75	15.68	17.0	0.0
Channel				648334	656000	662000		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.87	15.76	15.71	17.0	0.0
Channel				648000	656000	664000		
Frequency (MHz)				3724	3840	3962		
40	QPSK	1	1	15.83	15.77	15.71	17.0	0.0
Channel				647668	656000	664334		
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.83	15.70	15.63	17.0	0.0
Channel				647500	656000	664000		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.88	15.82	15.71	17.0	0.0
Channel				647284	656000	664668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.86	15.76	15.67	17.0	0.0
Channel				647168	656000	664834		
Frequency (MHz)				3707.02	3840	3972.01		
15	QPSK	1	1	15.82	15.70	15.71	17.0	0.0
Channel				647000	656000	665000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.77	15.74	15.73	17.0	0.0

Part27Q n77 Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	633334	636668		
Frequency (MHz)				15.83				
100	PV2 BPSK	1	1	15.83				
100	PV2 BPSK	1	137	15.67			17.0	0.0
100	PV2 BPSK	1	271	15.74				
100	PV2 BPSK	135	0	15.86			17.0	0.0
100	PV2 BPSK	135	69	15.65			17.0	0.0
100	PV2 BPSK	135	138	15.79			17.0	0.0
100	PV2 BPSK	270	0	15.64				
100	QPSK	1	1	15.95				
100	QPSK	1	137	15.74				
100	QPSK	1	271	15.88			17.0	0.0
100	QPSK	135	0	15.62			17.0	0.0
100	QPSK	135	69	15.77			17.0	0.0
100	QPSK	135	138	15.52			17.0	0.0
100	QPSK	270	0	15.60				
100	16QAM	1	1	15.60			17.0	0.0
100	64QAM	1	1	15.70			17.0	0.0
100	256QAM	1	1	15.70			17.0	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3495	3600.01	3605.02		
90	QPSK	1	1	15.84	15.75	15.63	17.0	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3490.00	3600.01	3610		
80	QPSK	1	1	15.73	15.77	15.74	17.0	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3600.01	3615.01		
70	QPSK	1	1	15.72	15.77	15.74	17.0	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3600.01	3620.02		
60	QPSK	1	1	15.79	15.73	15.73	17.0	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3600.01	3625		
50	QPSK	1	1	15.76	15.85	15.76	17.0	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3600.01	3630.01		
40	QPSK	1	1	15.75	15.84	15.76	17.0	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3600.01	3635.02		
30	QPSK	1	1	15.70	15.74	15.75	17.0	0.0
Channel				630500	633334	636000		
Frequency (MHz)				3460.00	3600.01	3640		
25	QPSK	1	1	15.81	15.79	15.62	17.0	0.0
Channel				630068	633334	636334		
Frequency (MHz)				3455.00	3600.01	3645.00		
20	QPSK	1	1	15.82	15.76	15.75	17.0	0.0
Channel				630000	633334	636168		
Frequency (MHz)				3450.00	3600.01	3642.50		
15	QPSK	1	1	15.74	15.81	15.81	17.0	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3600.01	3645.01		
10	QPSK	1	1	15.75	15.84	15.74	17.0	0.0

Part270 n78 Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		15.68		17.0	0.0	
100	Pi2 BPSK	1	137		15.48				
100	Pi2 BPSK	1	271		15.45				
100	Pi2 BPSK	135	0		15.78		17.0	0.0	
100	Pi2 BPSK	135	69		15.52		17.0	0.0	
100	Pi2 BPSK	135	138		15.66				
100	Pi2 BPSK	270	0		15.54		17.0	0.0	
100	QPSK	1	1		15.81		17.0	0.0	
100	QPSK	1	137		15.54				
100	QPSK	1	271		15.72				
100	QPSK	135	0		15.43		17.0	0.0	
100	QPSK	135	69		15.64		17.0	0.0	
100	QPSK	135	138		15.30		17.0	0.0	
100	QPSK	270	0		15.45		17.0	0.0	
100	16QAM	1	1		15.49				
100	64QAM	1	1		15.55				
100	256QAM	1	1		15.52		17.0	0.0	
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	15.68	15.67	15.69	17.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3748.01	3750	3760.02			
80	QPSK	1	1	15.77	15.75	15.73	17.0	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	15.72	15.65	15.68	17.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3738.02	3750	3770.01			
60	QPSK	1	1	15.73	15.70	15.76	17.0	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	15.69	15.66	15.71	17.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	15.67	15.67	15.67	17.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.69	15.68	15.68	17.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	15.75	15.70	15.74	17.0	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.76	15.69	15.66	17.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	15.71	15.71	15.75	17.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	15.75	15.72	15.74	17.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel					633334	633334			
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		15.51		17.0	0.0	
100	Pi2 BPSK	1	137		15.48				
100	Pi2 BPSK	1	271		15.40				
100	Pi2 BPSK	135	0		15.64		17.0	0.0	
100	Pi2 BPSK	135	69		15.56		17.0	0.0	
100	Pi2 BPSK	135	138		15.45				
100	Pi2 BPSK	270	0		15.36		17.0	0.0	
100	QPSK	1	1		15.72		17.0	0.0	
100	QPSK	1	137		15.51				
100	QPSK	1	271		15.63				
100	QPSK	135	0		15.35		17.0	0.0	
100	QPSK	135	69		15.43		17.0	0.0	
100	QPSK	135	138		15.32		17.0	0.0	
100	QPSK	270	0		15.36		17.0	0.0	
100	16QAM	1	1		15.40				
100	64QAM	1	1		15.45				
100	256QAM	1	1		15.46		17.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	15.63	15.61	15.57	17.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3503			
80	QPSK	1	1	15.57	15.66	15.61	17.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
70	QPSK	1	1	15.59	15.63	15.57	17.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
60	QPSK	1	1	15.59	15.65	15.67	17.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	15.57	15.60	15.63	17.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	15.62	15.56	15.65	17.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	15.57	15.59	15.60	17.0	0.0	
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	15.66	15.65	15.68	17.0	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	15.60	15.58	15.62	17.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500.01	3542.52			
15	QPSK	1	1	15.64	15.61	15.62	17.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	15.67	15.68	15.59	17.0	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)								
40	PV2 BPSK	1	1	10.52	10.63	10.63	11.8	0.0
40	PV2 BPSK	1	53	10.48	10.54	10.47		
40	PV2 BPSK	1	104	10.45	10.54	10.43		
40	PV2 BPSK	50	0	10.57	10.66	10.42	11.8	0.0
40	PV2 BPSK	50	28	10.43	10.47	10.66	11.8	0.0
40	PV2 BPSK	50	56	10.39	10.55	10.47	11.8	0.0
40	PV2 BPSK	100	0	10.42	10.60	10.45	11.8	0.0
40	QPSK	1	1	10.68	10.76	10.74		
40	QPSK	1	53	10.53	10.72	10.57		
40	QPSK	1	104	10.47	10.73	10.53		
40	QPSK	50	0	10.32	10.35	10.33	11.8	0.0
40	QPSK	50	28	10.43	10.60	10.45	11.8	0.0
40	QPSK	50	56	10.40	10.25	10.25	11.8	0.0
40	QPSK	100	0	10.33	10.42	10.29	11.8	0.0
40	16QAM	1	1	10.37	10.48	10.42		
40	64QAM	1	1	10.38	10.38	10.30		
40	256QAM	1	1	10.36	10.46	10.33	11.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	10.53	10.66	10.61	11.8	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	10.52	10.60	10.64	11.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	10.59	10.67	10.63	11.8	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	10.56	10.64	10.54	11.8	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	PV2 BPSK	1	1	12.70	12.74	12.57	13.5	0.0
100	PV2 BPSK	1	137	12.43	12.56	12.51		
100	PV2 BPSK	1	271	12.54	12.62	12.34		
100	PV2 BPSK	135	0	12.64	12.69	12.47	13.5	0.0
100	PV2 BPSK	135	69	12.43	12.54	12.41	13.5	0.0
100	PV2 BPSK	135	138	12.42	12.58	12.42	13.5	0.0
100	PV2 BPSK	270	0	12.38	12.55	12.41	13.5	0.0
100	QPSK	1	1	12.69	12.78	12.59		
100	QPSK	1	137	12.56	12.64	12.58		
100	QPSK	1	271	12.54	12.66	12.59	13.5	0.0
100	QPSK	135	0	12.36	12.43	12.33	13.5	0.0
100	QPSK	135	69	12.46	12.67	12.57	13.5	0.0
100	QPSK	135	138	12.27	12.31	12.25	13.5	0.0
100	QPSK	270	0	12.18	12.45	12.22	13.5	0.0
100	16QAM	1	1	12.40	12.48	12.31		
100	64QAM	1	1	12.34	12.46	12.30		
100	256QAM	1	1	12.40	12.45	12.35	13.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.67	12.76	12.51	13.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.57	12.75	12.45	13.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.61	12.73	12.55	13.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.61	12.75	12.55	13.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.56	12.72	12.53	13.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.62	12.70	12.52	13.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.60	12.70	12.50	13.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.60	12.70	12.50	13.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.65	12.69	12.53	13.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.61	12.69	12.50	13.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.66	12.68	12.46	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	PV2 BPSK	1	1	12.43	12.43	12.43	13.5	0.0
100	PV2 BPSK	1	137	12.17	12.17	12.17		
100	PV2 BPSK	1	271	12.18	12.18	12.18		
100	PV2 BPSK	135	0	12.36	12.36	12.36	13.5	0.0
100	PV2 BPSK	135	69	12.35	12.35	12.35	13.5	0.0
100	PV2 BPSK	135	138	12.36	12.36	12.36	13.5	0.0
100	PV2 BPSK	270	0	12.21	12.21	12.21	13.5	0.0
100	QPSK	1	1	12.55	12.55	12.55		
100	QPSK	1	137	12.57	12.57	12.57		
100	QPSK	1	271	12.46	12.46	12.46	13.5	0.0
100	QPSK	135	0	12.10	12.10	12.10	13.5	0.0
100	QPSK	135	69	12.39	12.39	12.39	13.5	0.0
100	QPSK	135	138	12.64	12.64	12.64	13.5	0.0
100	QPSK	270	0	12.15	12.15	12.15	13.5	0.0
100	16QAM	1	1	12.29	12.29	12.29		
100	64QAM	1	1	12.17	12.17	12.17		
100	256QAM	1	1	12.13	12.13	12.13	13.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.42	12.47	12.39	13.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.42	12.36	12.40	13.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.42	12.45	12.41	13.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.43	12.45	12.37	13.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.38	12.40	12.35	13.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.38	12.40	12.35	13.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.44	12.44	12.38	13.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.45	12.45	12.37	13.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.42	12.46	12.43	13.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.38	12.43	12.41	13.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.43	12.44	12.38	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		12.66		13.5	0.0	
100	Pi2 BPSK	1	137		12.52				
100	Pi2 BPSK	1	271		12.53				
100	Pi2 BPSK	135	0		12.68		13.5	0.0	
100	Pi2 BPSK	135	69		12.60		13.5	0.0	
100	Pi2 BPSK	135	138		12.58		13.5	0.0	
100	Pi2 BPSK	270	0		12.46		13.5	0.0	
100	QPSK	1	1		12.71		13.5	0.0	
100	QPSK	1	137		12.67				
100	QPSK	1	271		12.62				
100	QPSK	135	0		12.33		13.5	0.0	
100	QPSK	135	69		12.51		13.5	0.0	
100	QPSK	135	138		12.34		13.5	0.0	
100	QPSK	270	0		12.36		13.5	0.0	
100	16QAM	1	1		12.43		13.5	0.0	
100	64QAM	1	1		12.39		13.5	0.0	
100	256QAM	1	1		12.40		13.5	0.0	
Channel				649968	650000	650034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		12.57	12.66	12.69	13.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3748.01	3750	3750.02			
80	QPSK	1	1		12.61	12.60	12.63	13.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		12.59	12.65	12.61	13.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		12.64	12.58	12.57	13.5	0.0
Channel				648334	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		12.57	12.58	12.65	13.5	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		12.62	12.60	12.66	13.5	0.0
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3765.01			
30	QPSK	1	1		12.63	12.65	12.58	13.5	0.0
Channel				647500	650000	650500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		12.60	12.69	12.62	13.5	0.0
Channel				647334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		12.61	12.64	12.60	13.5	0.0
Channel				647168	650000	650834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		12.61	12.59	12.62	13.5	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		12.65	12.58	12.67	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					633334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		12.22		13.5	0.0	
100	Pi2 BPSK	1	137		12.19				
100	Pi2 BPSK	1	271		12.20				
100	Pi2 BPSK	135	0		12.33		13.5	0.0	
100	Pi2 BPSK	135	69		12.16		13.5	0.0	
100	Pi2 BPSK	135	138		12.16		13.5	0.0	
100	Pi2 BPSK	270	0		12.17		13.5	0.0	
100	QPSK	1	1		12.37		13.5	0.0	
100	QPSK	1	137		12.22				
100	QPSK	1	271		12.28				
100	QPSK	135	0		12.02		13.5	0.0	
100	QPSK	135	69		12.22		13.5	0.0	
100	QPSK	135	138		11.98		13.5	0.0	
100	QPSK	270	0		11.98		13.5	0.0	
100	16QAM	1	1		12.04		13.5	0.0	
100	64QAM	1	1		12.06		13.5	0.0	
100	256QAM	1	1		12.00		13.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		12.28	12.26	12.18	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3497.02	3500.01	3503			
80	QPSK	1	1		12.18	12.18	12.21	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
70	QPSK	1	1		12.18	12.28	12.19	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
60	QPSK	1	1		12.21	12.18	12.24	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		12.26	12.17	12.19	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3478.01	3500.01	3528.01			
40	QPSK	1	1		12.19	12.26	12.26	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		12.27	12.18	12.26	13.5	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		12.23	12.17	12.27	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		12.18	12.20	12.16	13.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500.01	3542.52			
15	QPSK	1	1		12.19	12.24	12.20	13.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		12.23	12.18	12.24	13.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	P12-BPSK	1	1	23.25	23.32	23.31	
100	P12-BPSK	1	137	23.15	23.28	23.32	24.0
100	P12-BPSK	1	271	23.13	23.25	23.35	
100	P12-BPSK	135	0	22.83	23.00	22.86	24.0
100	P12-BPSK	135	0	23.25	23.35	23.32	24.0
100	P12-BPSK	135	136	22.71	22.88	22.72	
100	P12-BPSK	270	0	22.64	22.80	22.67	24.0
100	QPSK	1	1	23.35	23.32	23.35	
100	QPSK	1	137	23.45	23.34	23.55	24.0
100	QPSK	1	271	23.23	23.25	23.33	
100	QPSK	135	0	23.23	23.43	23.28	24.0
100	QPSK	135	0	23.25	23.40	23.35	24.0
100	QPSK	135	136	23.25	23.35	23.35	
100	QPSK	270	0	23.28	23.38	23.30	24.0
100	8QAM	1	1	23.25	23.23	23.35	24.0
100	8QAM	1	1	23.15	23.31	23.28	24.0
100	8QAM	1	1	21.98	22.86	21.75	22.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.15	23.41	23.25	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.24	23.46	23.30	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	23.17	23.38	23.27	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.17	23.44	23.27	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.21	23.44	23.28	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.24	23.47	23.27	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.18	23.48	23.23	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.25	23.36	23.25	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.29	23.39	23.31	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.24	23.40	23.28	24.0

n41 PC2 Ant 10							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	P12-BPSK	1	1	25.51	25.52	25.55	
100	P12-BPSK	1	137	25.39	25.34	25.41	27.0
100	P12-BPSK	1	271	25.37	25.48	25.37	
100	P12-BPSK	135	0	25.12	25.11	25.17	26.5
100	P12-BPSK	135	0	25.21	25.49	25.24	27.0
100	P12-BPSK	135	136	25.12	25.14	25.08	26.5
100	P12-BPSK	270	0	25.11	25.10	24.99	
100	QPSK	1	1	25.58	25.75	25.35	
100	QPSK	1	137	25.55	25.38	25.47	27.0
100	QPSK	1	271	25.44	25.41	25.41	
100	QPSK	135	0	24.70	24.66	24.53	26.0
100	QPSK	135	0	25.22	25.55	25.25	27.0
100	QPSK	135	136	24.57	24.71	24.65	26.0
100	QPSK	270	0	24.57	24.70	24.57	
100	8QAM	1	1	24.54	24.70	24.47	26.0
100	8QAM	1	1	23.20	23.28	23.13	26.5
100	8QAM	1	1	21.71	21.50	21.13	22.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.37	25.87	25.45	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.59	25.58	25.51	27.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.60	25.64	25.46	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.54	25.60	25.53	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.62	25.62	25.44	27.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	25.61	25.60	25.40	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.58	25.69	25.42	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.54	25.66	25.48	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.55	25.69	25.49	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.57	25.70	25.48	27.0



Reduced Power Mode for EC13_Other PA

n2 Ant 0									
RF B/W	Modulation	RF Size	RF Offset	Power Limit Ch.1/Freq.	Power Margin Ch.1/Freq.	Power High Ch.1/Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	18.55	18.59	18.53		19.6	0.0
40	PSSBPSK	1	108	18.59	18.63	18.45		19.6	0.0
40	PSSBPSK	1	214	18.59	18.61	18.59		19.6	0.0
40	PSSBPSK	108	5	18.54	18.70	18.40		19.6	0.0
40	PSSBPSK	108	54	18.41	18.49	18.40		19.6	0.0
40	PSSBPSK	108	108	18.31	18.53	18.30		19.6	0.0
40	PSSBPSK	216	5	18.44	18.49	18.40		19.6	0.0
40	QPSK	1	1	18.60	18.70	18.50		19.6	0.0
40	QPSK	1	108	18.51	18.57	18.50		19.6	0.0
40	QPSK	1	214	18.55	18.63	18.49		19.6	0.0
40	QPSK	108	5	18.49	18.54	18.40		19.6	0.0
40	QPSK	108	54	18.45	18.55	18.5		19.6	0.0
40	QPSK	108	108	18.35	18.24	18.30		19.6	0.0
40	QPSK	216	5	18.59	18.47	18.25		19.6	0.0
40	16QAM	1	1	18.54	18.44	18.50	18.9	19.9	0.0
40	16QAM	1	1	18.24	18.43	18.30	18.9	19.9	0.0
40	16QAM	1	1	18.15	18.34	18.20	18.5	19.5	0.0
Channel									
35	QPSK	1	1	18.47	18.95	18.40	18.5	19.5	0.0
Channel									
30	QPSK	1	1	18.54	18.80	18.40	18.9	19.9	0.0
Channel									
25	QPSK	1	1	18.54	18.80	18.40	18.9	19.9	0.0
Channel									
20	QPSK	1	1	18.48	18.84	18.43	18.6	19.6	0.0
Channel									
15	QPSK	1	1	18.40	18.80	18.40	18.5	19.5	0.0
Channel									
10	QPSK	1	1	18.50	18.80	18.50	18.9	19.9	0.0
Channel									
5	QPSK	1	1	18.48	18.88	18.47	18.9	19.9	0.0

n25 Ant 0									
RF B/W	Modulation	RF Size	RF Offset	Power Limit Ch.1/Freq.	Power Margin Ch.1/Freq.	Power High Ch.1/Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	18.52	18.35	18.33		19.6	
40	PSSBPSK	1	108	18.36	18.48	18.43		19.6	
40	PSSBPSK	1	214	18.32	18.37	18.33		19.6	
40	PSSBPSK	108	5	18.40	18.70	18.39		19.6	
40	PSSBPSK	108	54	18.40	18.54	18.39		19.6	
40	PSSBPSK	108	108	18.30	18.54	18.31		19.6	
40	PSSBPSK	216	5	18.39	18.53	18.53		19.6	
40	QPSK	1	1	18.62	18.77	18.57		19.6	
40	QPSK	1	108	18.47	18.50	18.50		19.6	
40	QPSK	1	214	18.58	18.63	18.51		19.6	
40	QPSK	108	5	18.37	18.58	18.40		19.6	
40	QPSK	108	54	18.39	18.48	18.50		19.6	
40	QPSK	108	108	18.34	18.20	18.40		19.6	
40	QPSK	216	5	18.22	18.30	18.30		19.6	
40	16QAM	1	1	18.34	18.40	18.34	18.9	19.9	
40	16QAM	1	1	18.28	18.43	18.21	18.9	19.9	
40	16QAM	1	1	18.16	18.38	18.28	18.5	19.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	18.52	18.70	18.43	18.5	19.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.55	18.63	18.49	18.9	19.9	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.55	18.70	18.43	18.9	19.9	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.38	18.42	18.49	18.6	19.6	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.54	18.67	18.51	18.6	19.6	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.55	18.73	18.70	18.9	19.9	
Channel									
Frequency (MHz)									
5	QPSK	1	1	18.54	18.72	18.47	19.6	19.6	

n66 Ant 0									
RF B/W	Modulation	RF Size	RF Offset	Power Limit Ch.1/Freq.	Power Margin Ch.1/Freq.	Power High Ch.1/Freq.	Turn-up time (min)	MFR (dB)	
Channel									
Frequency (MHz)									
40	PSSBPSK	1	1	17.08	17.05	16.99		18.2	0.0
40	PSSBPSK	1	108	16.93	16.95	16.93		18.2	0.0
40	PSSBPSK	1	214	16.83	16.83	16.75		18.2	0.0
40	PSSBPSK	108	5	17.06	17.06	16.98		18.2	0.0
40	PSSBPSK	108	54	16.82	16.93	16.90		18.2	0.0
40	PSSBPSK	108	108	16.87	17.02	16.79		18.2	0.0
40	PSSBPSK	216	5	16.89	16.93	16.89		18.2	0.0
40	QPSK	1	1	17.10	17.20	17.09		18.2	0.0
40	QPSK	1	108	16.96	17.12	16.96		18.2	0.0
40	QPSK	1	214	17.00	17.07	16.97		18.2	0.0
40	QPSK	108	5	16.76	16.77	16.69		18.2	0.0
40	QPSK	108	54	16.84	17.05	16.97		18.2	0.0
40	QPSK	108	108	16.72	16.77	16.70		18.2	0.0
40	QPSK	216	5	16.86	16.87	16.86		18.2	0.0
40	16QAM	1	1	16.83	16.87	16.79	18.2	0.0	0.0
40	16QAM	1	1	16.73	16.86	16.69	18.2	0.0	0.0
40	16QAM	1	1	16.64	16.84	16.77	18.2	0.0	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	16.99	17.11	16.95	18.9	18.2	MFR
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.24	17.40	17.00	18.9	18.2	MFR
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.43	17.27	16.93	18.9	18.2	MFR
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.99	17.11	16.92	18.2	18.2	MFR
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.05	17.16	16.97	18.2	18.2	MFR
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.15	17.47	17.15	18.9	18.2	MFR
Channel									
Frequency (MHz)									
5	QPSK	1	1	16.95	17.13	16.90	18.2	18.2	MFR

n70 Ant 0									
RF B/W	Modulation	RF Size	RF Offset	Power Limit Ch.1/Freq.	Power Margin Ch.1/Freq.	Power High Ch.1/Freq.	Turnup time (min)	MPL (dB)	
Channel									
Frequency (MHz)									
15	PSK	76.8	1	18.0	18.0	18.0	59.1	0.0	
15	PSK BPSK	1	46	17.82					
15	PSK BPSK	1	77	17.81					
15	PSK BPSK	36	22	17.82			59.1	0.0	
15	PSK BPSK	36	22	17.83			59.1	0.0	
15	PSK BPSK	76.8	0	17.83			59.1	0.0	
Channel									
15	QPSK	1	46	17.92			59.1	0.0	
15	QPSK	1	77	17.99					
15	QPSK	36	22	17.99			59.1	0.0	
15	QPSK	36	22	17.98			59.1	0.0	
15	QPSK	76.8	0	17.98			59.1	0.0	
15	QPSK	76.8	0	17.95			59.1	0.0	
15	SSB	1	1	17.91			59.1	0.0	
15	SSB	1	1	17.78			59.1	0.0	
15	SSB	1	1	17.77			59.1	0.0	
Frequency (MHz)									
15	QPSK	1	1	34.00	34.00	34.00	59.1	0.0	
15	QPSK	1	1	34.00	34.00	34.00	59.1	0.0	
Channel									
15	QPSK	1	1	34.00	34.00	34.00	59.1	0.0	
5	QPSK	1	1	119.5	119.5	119.5	59.1	0.0	
5	QPSK	1	1	119.5	119.5	119.5	59.1	0.0	

n41 PC3/PC2 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				509202	518598	535200	17.4	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.63	16.56	16.55			
100	PI/2 BPSK	1	137	16.46	16.44	16.42	17.4	0.0	
100	PI/2 BPSK	1	271	16.44	16.55	16.29			
100	PI/2 BPSK	135	0	16.58	16.59	16.39			
100	PI/2 BPSK	135	69	16.44	16.57	16.45	17.4	0.0	
100	PI/2 BPSK	135	138	16.40	16.54	16.41			
100	PI/2 BPSK	270	0	16.48	16.48	16.40			
100	QPSK	1	1	16.66	16.72	16.63	17.4	0.0	
100	QPSK	1	137	16.52	16.64	16.42			
100	QPSK	1	271	16.46	16.62	16.55			
100	QPSK	135	0	16.31	16.42	16.29	17.4	0.0	
100	QPSK	135	69	16.38	16.56	16.51			
100	QPSK	135	138	16.28	16.28	16.33			
100	QPSK	270	0	16.15	16.42	16.26	17.4	0.0	
100	16QAM	1	1	16.30	16.44	16.40			
100	64QAM	1	1	16.37	16.45	16.24			
100	256QAM	1	1	16.36	16.44	16.33	17.4	0.0	
Channel				509200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.58	16.60	16.44	17.4	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	16.56	16.67	16.46	17.4	0.0	
Channel				509202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2635			
70	QPSK	1	1	16.50	16.57	16.45	17.4	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	16.55	16.56	16.50	17.4	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.52	16.59	16.44	17.4	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	16.51	16.62	16.49	17.4	0.0	
Channel				503202	518598	533900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	16.61	16.60	16.52	17.4	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.52	16.63	16.45	17.4	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.58	16.59	16.49	17.4	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	16.59	16.67	16.45	17.4	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.61	16.63	16.50	17.4	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	16.50	16.68	16.56	17.4	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.56	16.62	16.55	17.4	0.0	



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 374000)	Power Max Ch. 1 (Freq. 375000)	Power High Ch. 1 (Freq. 376000)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	16.55	16.59	16.45			
40	PSS-BPSK	1	108	16.47	16.45	16.37	17.6	0.0	
40	PSS-BPSK	1	214	16.34	16.48	16.25			
40	PSS-BPSK	108	0	16.49	16.52	16.36	17.9	0.0	
40	PSS-BPSK	108	54	16.29	16.40	16.27	17.6	0.0	
40	PSS-BPSK	108	108	16.29	16.47	16.36	17.6	0.0	
40	PSS-BPSK	216	0	16.40	16.43	16.39			
40	QPSK	1	1	16.55	16.58	16.55			
40	QPSK	1	108	16.49	16.58	16.43	17.6	0.0	
40	QPSK	1	214	16.31	16.62	16.45			
40	QPSK	108	0	16.24	16.33	16.22	17.8	0.0	
40	QPSK	108	54	16.28	16.39	16.44	17.6	0.0	
40	QPSK	108	108	16.28	16.39	16.35	17.6	0.0	
40	QPSK	216	0	16.31	16.34	16.30			
40	SSB-QAM	1	1	16.35	16.41	16.25	17.6	0.0	
40	SSB-QAM	1	1	16.28	16.34	16.28	17.6	0.0	
40	SSB-QAM	1	1	16.35	16.36	16.25	17.6	0.0	
Channel									
Frequency [MHz]									
35	QPSK	1	1	16.45	16.52	16.50	17.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.47	16.57	16.44	17.6	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	16.49	16.54	16.44	17.7	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.44	16.53	16.40	17.9	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.42	16.56	16.47	17.6	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	16.40	16.53	16.40	17.6	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	16.42	16.57	16.46	17.6	0.0	

n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 374000)	Power Max Ch. 1 (Freq. 375000)	Power High Ch. 1 (Freq. 376000)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	16.50	16.55	16.45			
40	PSS-BPSK	1	108	16.43	16.45	16.34	17.6	0.0	
40	PSS-BPSK	1	214	16.27	16.43	16.32			
40	PSS-BPSK	108	0	16.47	16.52	16.39	17.6	0.0	
40	PSS-BPSK	108	54	16.29	16.50	16.40	17.6	0.0	
40	PSS-BPSK	108	108	16.27	16.41	16.34	17.6	0.0	
40	PSS-BPSK	216	0	16.32	16.40	16.36			
40	QPSK	1	1	16.50	16.55	16.50			
40	QPSK	1	108	16.43	16.45	16.43	17.6	0.0	
40	QPSK	1	214	16.43	16.63	16.54			
40	QPSK	108	0	16.17	16.31	16.24	17.6	0.0	
40	QPSK	108	54	16.44	16.54	16.41	17.6	0.0	
40	QPSK	108	108	16.27	16.34	16.30	17.6	0.0	
40	QPSK	216	0	16.24	16.30	16.26			
40	SSB-QAM	1	1	16.28	16.44	16.34	17.6	0.0	
40	SSB-QAM	1	1	16.25	16.34	16.24	17.6	0.0	
40	SSB-QAM	1	1	16.36	16.40	16.27	17.6	0.0	
Channel									
Frequency [MHz]									
35	QPSK	1	1	16.40	16.61	16.45	17.6	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.49	16.61	16.49	17.6	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	16.53	16.65	16.45	17.6	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.48	16.54	16.43	17.9	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.59	16.65	16.42	17.6	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	16.45	16.58	16.43	17.6	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	16.45	16.57	16.40	17.6	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 345000)	Power Max Ch. 1 (Freq. 346000)	Power High Ch. 1 (Freq. 347000)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	16.53	16.63	16.64			
40	PSS-BPSK	1	108	16.76	16.74	16.75	17.9	0.0	
40	PSS-BPSK	1	214	16.68	16.63	16.66			
40	PSS-BPSK	108	0	16.62	16.60	16.69	17.9	0.0	
40	PSS-BPSK	108	54	16.76	16.64	16.67	17.9	0.0	
40	PSS-BPSK	108	108	16.76	16.80	16.67	17.9	0.0	
40	PSS-BPSK	216	0	16.60	16.60	16.70			
40	QPSK	1	1	16.65	16.67	16.69			
40	QPSK	1	108	16.77	16.60	16.84	17.9	0.0	
40	QPSK	1	214	16.64	16.60	16.67			
40	QPSK	108	0	16.62	16.61	16.68	17.9	0.0	
40	QPSK	108	54	16.66	16.64	16.74	17.9	0.0	
40	QPSK	108	108	16.63	16.65	16.66	17.9	0.0	
40	QPSK	216	0	16.44	16.74	16.61			
40	SSB-QAM	1	1	16.61	16.64	16.64	17.9	0.0	
40	SSB-QAM	1	1	16.62	16.76	16.66	17.9	0.0	
40	SSB-QAM	1	1	16.61	16.72	16.62	17.9	0.0	
Channel									
Frequency [MHz]									
35	QPSK	1	1	16.65	16.67	16.70	17.9	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	16.65	16.67	16.70	17.9	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	16.61	16.63	16.65	17.9	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	16.61	16.63	16.65	17.9	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.66	16.63	16.65	17.9	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	16.63	16.62	16.62	17.9	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	16.65	16.61	16.70	17.9	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 345000)	Power Max Ch. 1 (Freq. 346000)	Power High Ch. 1 (Freq. 347000)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency [MHz]									
15	PSS-BPSK	1	1	16.66	16.66	16.64			
15	PSS-BPSK	1	40	16.65	16.65	16.7	19.7	0.0	
15	PSS-BPSK	1	79	16.64	16.64	16.74			
15	PSS-BPSK	36	0	16.60	16.67	16.7	19.7	0.0	
15	PSS-BPSK	36	20	16.60	16.7	16.7	19.7	0.0	
15	PSS-BPSK	36	40	16.60	16.67	16.7	19.7	0.0	
15	PSS-BPSK	75	0	16.61	16.70	16.70			
15	QPSK	1	1	16.70	16.70	16.70			
15	QPSK	1	40	16.71	16.69	16.71	19.7	0.0	
15	QPSK	1	79	16.72	16.72	16.72			
15	QPSK	36	0	16.67	16.7	16.7	19.7	0.0	
15	QPSK	36	20	16.63	16.73	16.73	19.7	0.0	
15	QPSK	36	40	16.63	16.73	16.73	19.7	0.0	
15	QPSK	75	0	16.53	16.74	16.74			
15	QPSK	1	1	16.69	16.69	16.69			
15	QPSK	1	1	16.69	16.69	16.69			
15	QPSK	1	1	16.51	16.51	16.51	19.7	0.0	
20MHz									
Channel									
Frequency [MHz]									
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15	QPSK	1	1	16.6000	16.6000	16.6000			
15									

n41 PC3/PC2 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				509202	518598	535200	18.7	0.0	
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	17.74	17.73	17.64	18.7	0.0	
100	PI/2 BPSK	1	137	17.65	17.64	17.63			
100	PI/2 BPSK	1	271	17.64	17.66	17.45			
100	PI/2 BPSK	135	0	17.82	17.78	17.67			
100	PI/2 BPSK	135	69	17.59	17.65	17.64	18.7	0.0	
100	PI/2 BPSK	135	138	17.61	17.85	17.55			
100	PI/2 BPSK	270	0	17.60	17.70	17.62			
100	QPSK	1	1	17.77	17.95	17.80			
100	QPSK	1	137	17.73	17.84	17.65	18.7	0.0	
100	QPSK	1	271	17.65	17.85	17.77			
100	QPSK	135	0	17.40	17.99	17.45			
100	QPSK	135	69	17.67	17.73	17.61			
100	QPSK	135	138	17.47	17.50	17.49	18.7	0.0	
100	QPSK	270	0	17.28	17.61	17.46			
100	16QAM	1	1	17.50	17.61	17.48			
100	64QAM	1	1	17.53	17.60	17.42			
100	256QAM	1	1	17.59	17.68	17.45	18.7	0.0	
Channel				508200	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	17.70	17.80	17.66	18.7	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	QPSK	1	1	17.69	17.82	17.75	18.7	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2635			
70	QPSK	1	1	17.71	17.85	17.74	18.7	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	QPSK	1	1	17.69	17.82	17.66	18.7	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.98			
50	QPSK	1	1	17.68	17.86	17.72	18.7	0.0	
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	17.61	17.88	17.75	18.7	0.0	
Channel				503202	518598	533900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	17.70	17.84	17.72	18.7	0.0	
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	17.73	17.91	17.66	18.7	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	17.65	17.87	17.71	18.7	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.51	2592.99	2677.5			
25	QPSK	1	1	17.71	17.84	17.75	18.7	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	17.66	17.80	17.70	18.7	0.0	
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	17.72	17.87	17.68	18.7	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	17.63	17.87	17.73	18.7	0.0	

n41 PC3 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	20.21	20.17	20.13			
100	Pi2 BPSK	1	137	20.07	20.14	20.02	21.5		
100	Pi2 BPSK	1	271	20.03	20.05	19.88			
100	Pi2 BPSK	135	0	20.18	20.17	20.07	21.5	0.0	
100	Pi2 BPSK	135	69	19.90	20.11	20.03	21.5	0.0	
100	Pi2 BPSK	135	138	20.03	20.14	19.97	21.5	0.0	
100	Pi2 BPSK	270	0	20.06	20.04	20.01			
100	QPSK	1	1	20.23	20.36	20.15			
100	QPSK	1	197	20.09	20.21	20.08	21.5	0.0	
100	QPSK	1	271	20.06	20.20	20.12			
100	QPSK	135	0	19.90	19.96	19.92	21.5	0.0	
100	QPSK	135	69	20.00	20.13	20.07	21.5	0.0	
100	QPSK	135	138	19.92	19.90	19.95	21.5	0.0	
100	QPSK	270	0	19.76	19.97	19.80			
100	16QAM	1	1	19.96	20.06	19.89	21.5	0.0	
100	64QAM	1	1	19.88	20.02	19.83	21.5	0.0	
100	256QAM	1	1	19.99	20.06	19.96	21.5	0.0	
Channel				515200	515099	525099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.13	20.27	20.02	21.5	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2634.02	2692.99	2649.98			
80	QPSK	1	1	20.18	20.29	20.10	21.5	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2605			
70	QPSK	1	1	20.17	20.29	20.10	21.5	0.0	
Channel				502200	518998	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2609.98			
60	QPSK	1	1	20.14	20.25	20.01	21.5	0.0	
Channel				505205	515099	525099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2604.99			
50	QPSK	1	1	20.14	20.26	20.04	21.5	0.0	
Channel				503700	518998	533498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2607.49			
45	QPSK	1	1	20.18	20.27	20.08	21.5	0.0	
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.14	20.26	20.09	21.5	0.0	
Channel				507704	515099	535499	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	20.19	20.25	20.11	21.5	0.0	
Channel				502200	518998	539998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.08	20.29	20.06	21.5	0.0	
Channel				501702	518998	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.51	2592.99	2677.5			
25	QPSK	1	1	20.09	20.21	20.09	21.5	0.0	
Channel				501204	518998	539998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.11	20.27	20.09	21.5	0.0	
Channel				500100	515099	525099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.17	20.24	20.04	21.5	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2494.91	2592.99	2688			
10	QPSK	1	1	20.11	20.32	20.08	21.5	0.0	

n48 Part96 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				640000	641666	643332			
Frequency (MHz)				3600	3624.99	3649.98			
40	Pi2 BPSK	1	1	19.62	19.62	19.61			
40	Pi2 BPSK	1	108	19.64	19.74	19.67	21.2	0.0	
40	Pi2 BPSK	1	214	19.69	19.72	19.62			
40	Pi2 BPSK	108	0	19.90	19.94	19.85	21.2	0.0	
40	Pi2 BPSK	108	54	19.75	19.76	19.67	21.2	0.0	
40	Pi2 BPSK	108	108	19.68	19.68	19.73	21.2	0.0	
40	Pi2 BPSK	216	0	19.74	19.84	19.71			
40	QPSK	1	1	19.94	20.00	19.85			
40	QPSK	1	108	19.72	19.87	19.70	21.2	0.0	
40	QPSK	1	214	19.76	19.88	19.85			
40	QPSK	108	0	19.55	19.59	19.68	21.2	0.0	
40	QPSK	108	54	19.73	19.84	19.73	21.2	0.0	
40	QPSK	108	108	19.52	19.44	19.61	21.2	0.0	
40	QPSK	216	0	19.46	19.67	19.56			
40	16QAM	1	1	19.69	19.74	19.61	21.2	0.0	
40	64QAM	1	1	19.63	19.69	19.60	21.2	0.0	
40	256QAM	1	1	19.77	19.96	19.84	19.5	1.7	
Channel				637000	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	19.87	19.94	19.81	21.2	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3649.01	3624.99	3660			
20	QPSK	1	1	19.88	19.97	19.72	21.2	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	19.83	19.93	19.79	21.2	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	19.90	19.97	19.81	21.2	0.0	

Part270 n77 Ant 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	21.22	21.27	21.29		
100	Pi2 BPSK	1	137	21.15	21.13	21.05	22.8	0.0
100	Pi2 BPSK	1	271	21.16	21.12	21.06		
100	Pi2 BPSK	135	0	21.28	21.31	21.18	22.8	0.0
100	Pi2 BPSK	135	69	21.12	21.22	21.08	22.8	0.0
100	Pi2 BPSK	135	138	21.12	21.20	21.12	22.8	0.0
100	Pi2 BPSK	270	0	21.08	21.16	21.12		
100	QPSK	1	1	21.27	21.36	21.23		
100	QPSK	1	137	21.09	21.27	21.11	22.8	0.0
100	QPSK	1	271	21.13	21.30	21.26		
100	QPSK	135	0	20.96	21.17	20.92	22.8	0.0
100	QPSK	135	69	21.22	21.28	21.22	22.8	0.0
100	QPSK	135	138	21.09	20.92	21.05	22.8	0.0
100	QPSK	270	0	20.93	21.07	20.99		
100	16QAM	1	1	21.09	21.12	21.07	22.8	0.0
100	64QAM	1	1	20.98	21.11	20.87	22.8	0.0
100	256QAM	1	1	20.99	21.20	20.98	22.8	0.0
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.15	21.35	21.18	22.8	0.0
Channel				648334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3748.01	3840	3949.02		
80	QPSK	1	1	21.22	21.33	21.16	22.8	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.16	21.33	21.12	22.8	0.0
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.24	21.26	21.15	22.8	0.0
Channel				631351	632000	632650	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.22	21.33	21.22	22.8	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.15	21.26	21.14	22.8	0.0
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.17	21.33	21.14	22.8	0.0
Channel				647500	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	21.19	21.32	21.12	22.8	0.0
Channel				647334	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.19	21.35	21.22	22.8	0.0
Channel				647168	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.22	21.29	21.10	22.8	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.27	21.35	21.21	22.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	630000	630000		
Frequency (MHz)				3550.01				
100	Pi2 BPSK	1	1		21.42			
100	Pi2 BPSK	1	137		21.31		22.8	0.0
100	Pi2 BPSK	1	271		21.24			
100	Pi2 BPSK	135	0		21.32		22.8	0.0
100	Pi2 BPSK	135	69		21.27		22.8	0.0
100	Pi2 BPSK	135	138		21.27		22.8	0.0
100	Pi2 BPSK	270	0		21.30			
100	QPSK	1	1		21.55			
100	QPSK	1	137		21.45		22.8	0.0
100	QPSK	135	0		21.17		22.8	0.0
100	QPSK	135	69		21.35		22.8	0.0
100	QPSK	135	138		21.08		22.8	0.0
100	QPSK	270	0		21.15			
100	16QAM	1	1		21.38		22.8	0.0
100	64QAM	1	1		21.16		22.8	0.0
100	256QAM	1	1		21.30		22.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.54	21.48	21.43	22.8	0.0
Channel				630968	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.02	3500.01	3503		
80	QPSK	1	1	21.46	21.50	21.48	22.8	0.0
Channel				633334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.01	3500.01	3515.01		
70	QPSK	1	1	21.47	21.50	21.44	22.8	0.0
Channel				632000	633334	634968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500.01	3520.02		
60	QPSK	1	1	21.44	21.48	21.50	22.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.53	21.49	21.50	22.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480.01	3500.01	3520.01		
40	QPSK	1	1	21.42	21.54	21.52	22.8	0.0
Channel				631000	633334	636968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.51	21.44	21.42	22.8	0.0
Channel				630334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.45	21.54	21.43	22.8	0.0
Channel				630968	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.53	21.53	21.51	22.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500.01	3542.51		
15	QPSK	1	1	21.44	21.51	21.45	22.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.51	21.50	21.54	22.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		21.18		22.8	0.0
100	Pi2 BPSK	1	137		21.05			
100	Pi2 BPSK	1	271		21.10			
100	Pi2 BPSK	135	0		21.17		22.8	0.0
100	Pi2 BPSK	135	69		21.07		22.8	0.0
100	Pi2 BPSK	135	138		21.08		22.8	0.0
100	Pi2 BPSK	270	0		21.05		22.8	0.0
100	QPSK	1	1		21.25			
100	QPSK	1	197		21.20			
100	QPSK	1	271		21.18		22.8	0.0
100	QPSK	135	0		20.93		22.8	0.0
100	QPSK	135	69		21.09		22.8	0.0
100	QPSK	135	138		20.88		22.8	0.0
100	QPSK	270	0		21.01		22.8	0.0
100	16QAM	1	1		20.99			
100	64QAM	1	1		20.88			
100	256QAM	1	1		21.08		22.8	0.0
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.13	21.17	21.20	22.8	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3748.01	3750	3750.02		
80	QPSK	1	1	21.19	21.09	21.11	22.8	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.10	21.20	21.18	22.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3738.02	3750	3770.01		
60	QPSK	1	1	21.19	21.18	21.15	22.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.14	21.21	21.18	22.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.21	21.11	21.13	22.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.15	21.15	21.17	22.8	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.15	21.10	21.15	22.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.14	21.21	21.16	22.8	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.02	3750	3792.01		
15	QPSK	1	1	21.20	21.13	21.13	22.8	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.15	21.19	21.14	22.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					3500.01			
Frequency (MHz)					21.42			
100	Pi2 BPSK	1	1		21.35		22.8	0.0
100	Pi2 BPSK	1	137		21.35			
100	Pi2 BPSK	1	271		21.30			
100	Pi2 BPSK	135	0		21.37		22.8	0.0
100	Pi2 BPSK	135	69		21.24		22.8	0.0
100	Pi2 BPSK	135	138		21.28		22.8	0.0
100	Pi2 BPSK	270	0		21.40		22.8	0.0
100	QPSK	1	1		21.56			
100	QPSK	1	197		21.52			
100	QPSK	1	271		21.46		22.8	0.0
100	QPSK	135	0		21.13		22.8	0.0
100	QPSK	135	69		21.47		22.8	0.0
100	QPSK	135	138		21.12		22.8	0.0
100	QPSK	270	0		21.15		22.8	0.0
100	16QAM	1	1		21.25			
100	64QAM	1	1		21.20			
100	256QAM	1	1		21.30		22.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.43	21.43	21.42	22.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498.02	3500.01	3503		
80	QPSK	1	1	21.42	21.49	21.40	22.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.01	3500.01	3515.01		
70	QPSK	1	1	21.45	21.40	21.43	22.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3500.01	3520.02		
60	QPSK	1	1	21.44	21.42	21.43	22.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.50	21.44	21.52	22.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3478.01	3500.01	3528.01		
40	QPSK	1	1	21.48	21.47	21.41	22.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.50	21.41	21.49	22.8	0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.49	21.52	21.49	22.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.49	21.52	21.42	22.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.0	3500.01	3542.02		
15	QPSK	1	1	21.47	21.50	21.44	22.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3459.01	3500.01	3545.01		
10	QPSK	1	1	21.50	21.40	21.51	22.8	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				3000	3024.99	3049.98			
Frequency (MHz)									
40	PV2 BPSK	1	1	14.40	14.54	14.45			
40	PV2 BPSK	1	108	14.41	14.38	14.39	15.5	0.0	
40	PV2 BPSK	1	214	14.27	14.47	14.22			
40	PV2 BPSK	108	0	14.53	14.52	14.35	15.5	0.0	
40	PV2 BPSK	108	54	14.25	14.45	14.27	15.5	0.0	
40	PV2 BPSK	108	108	14.22	14.39	14.27			
40	PV2 BPSK	216	0	14.37	14.39	14.34	15.5	0.0	
40	QPSK	1	1	14.54	14.55	14.44			
40	QPSK	1	108	14.36	14.51	14.29			
40	QPSK	1	214	14.38	14.45	14.39	15.5	0.0	
40	QPSK	108	0	14.05	14.27	14.24	15.5	0.0	
40	QPSK	108	54	14.34	14.50	14.36	15.5	0.0	
40	QPSK	108	108	14.25	14.24	14.27	15.5	0.0	
40	QPSK	216	0	14.10	14.32	14.21	15.5	0.0	
40	16QAM	1	1	14.23	14.37	14.25	15.5	0.0	
40	64QAM	1	1	14.18	14.31	14.15	15.5	0.0	
40	256QAM	1	1	14.21	14.31	14.23	15.5	0.0	
Channel				3045.00	3024.99	3004.98	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	14.48	14.50	14.39	15.5	0.0	
Channel				6373.94	6410.98	6460.99	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	14.41	14.56	14.30	15.5	0.0	
Channel				6371.68	6410.96	6461.66	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	14.45	14.56	14.30	15.5	0.0	
Channel				6370.00	6410.96	6463.32	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	14.45	14.54	14.28	15.5	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				6500.00	6560.00	6620.00			
Frequency (MHz)				3750	3840	3930			
100	PV2 BPSK	1	1	14.69	14.78	14.60			
100	PV2 BPSK	1	137	14.53	14.56	14.44	15.8	0.0	
100	PV2 BPSK	1	271	14.48	14.63	14.46			
100	PV2 BPSK	135	0	14.68	14.70	14.52	15.8	0.0	
100	PV2 BPSK	135	69	14.53	14.68	14.51	15.8	0.0	
100	PV2 BPSK	135	138	14.45	14.67	14.52			
100	PV2 BPSK	270	0	14.57	14.57	14.52	15.8	0.0	
100	QPSK	1	1	14.63	14.81	14.61			
100	QPSK	1	137	14.59	14.74	14.51	15.8	0.0	
100	QPSK	1	271	14.59	14.73	14.56			
100	QPSK	135	0	14.37	14.50	14.50	15.8	0.0	
100	QPSK	135	69	14.45	14.76	14.58	15.8	0.0	
100	QPSK	135	138	14.45	14.53	14.50	15.8	0.0	
100	QPSK	270	0	14.17	14.54	14.41			
100	16QAM	1	1	14.50	14.58	14.48	15.8	0.0	
100	64QAM	1	1	14.39	14.45	14.38	15.8	0.0	
100	256QAM	1	1	14.46	14.57	14.45	15.8	0.0	
Channel				6595.00	6550.00	6525.04	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3840	3935.01			
90	QPSK	1	1	14.53	14.74	14.52	15.8	0.0	
Channel				6603.94	6560.00	6529.68	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3840	3940.02			
80	QPSK	1	1	14.55	14.69	14.57	15.8	0.0	
Channel				6600.00	6560.00	6530.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3840	3945			
70	QPSK	1	1	14.53	14.71	14.48	15.8	0.0	
Channel				6608.68	6560.00	6533.34	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3840	3950.01			
60	QPSK	1	1	14.52	14.72	14.46	15.8	0.0	
Channel				6613.94	6560.00	6529.68	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3840	3955.02			
50	QPSK	1	1	14.56	14.68	14.47	15.8	0.0	
Channel				6600.00	6560.00	6540.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3840	3950			
40	QPSK	1	1	14.51	14.73	14.56	15.8	0.0	
Channel				6616.68	6560.00	6543.34	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3840	3995.01			
30	QPSK	1	1	14.57	14.74	14.47	15.8	0.0	
Channel				6612.00	6560.00	6545.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3840	3967.5			
25	QPSK	1	1	14.53	14.66	14.57	15.8	0.0	
Channel				6612.04	6560.00	6545.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3840	3970.02			
20	QPSK	1	1	14.51	14.73	14.51	15.8	0.0	
Channel				6617.68	6560.00	6548.34	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3840	3972.51			
15	QPSK	1	1	14.50	14.73	14.46	15.8	0.0	
Channel				6610.00	6560.00	6550.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3840	3975			
10	QPSK	1	1	14.56	14.68	14.49	15.8	0.0	

Part27Q n77 Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				6300.01	6333.94				
Frequency (MHz)				3500.01					
100	PV2 BPSK	1	1	14.72					
100	PV2 BPSK	1	137	14.65			15.8	0.0	
100	PV2 BPSK	1	271	14.60					
100	PV2 BPSK	135	0	14.65			15.8	0.0	
100	PV2 BPSK	135	69	14.65			15.8	0.0	
100	PV2 BPSK	135	138	14.61					
100	PV2 BPSK	270	0	14.60			15.8	0.0	
100	QPSK	1	1	14.84					
100	QPSK	1	137	14.74			15.8	0.0	
100	QPSK	1	271	14.78					
100	QPSK	135	0	14.52			15.8	0.0	
100	QPSK	135	69	14.78			15.8	0.0	
100	QPSK	135	138	14.36			15.8	0.0	
100	QPSK	270	0	14.52					
100	16QAM	1	1	14.61			15.8	0.0	
100	64QAM	1	1	14.47			15.8	0.0	
100	256QAM	1	1	14.56			15.8	0.0	
Channel				6330.00	6333.94	6336.68	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	14.78	14.75	14.76	15.8	0.0	
Channel				6329.68	6333.94	6340.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.99	3500.01	3510.01			
80	QPSK	1	1	14.75	14.76	14.73	15.8	0.0	
Channel				6323.94	6333.94	6343.34	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1	14.70	14.73	14.71	15.8	0.0	
Channel				6320.00	6333.94	6346.68	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1	14.77	14.72	14.71	15.8	0.0	
Channel				6315.04	6333.94	6350.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.01	3500.01	3525.03			
50	QPSK	1	1	14.76	14.75	14.75	15.8	0.0	
Channel				6313.94	6333.94	6353.94	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	14.77	14.73	14.74	15.8	0.0	
Channel				6310.00	6333.94	6359.68	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	14.73	14.70	14.72	15.8	0.0	
Channel				6303.94	6333.94	6368.94	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.91	3500.01	3537.81			
25	QPSK	1	1	14.79	14.69	14.78	15.8	0.0	
Channel				6306.68	6333.94	6360.00	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3461.02	3500.01	3540			
20	QPSK	1	1	14.69	14.69	14.76	15.8	0.0	
Channel				6300.00	6333.94	6366.68	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.9	3500.01	3542.92			
15	QPSK	1	1	14.78	14.60	14.79	15.8	0.0	
Channel				6303.94	6333.94	6363.94	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	14.73	14.76	14.74	15.8	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Limit Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		14.40		15.8	0.0
100	Pi2 BPSK	1	137		14.18			
100	Pi2 BPSK	1	271		14.25			
100	Pi2 BPSK	135	0		14.34		15.8	0.0
100	Pi2 BPSK	135	69		14.35		15.8	0.0
100	Pi2 BPSK	135	138		14.30		15.8	0.0
100	Pi2 BPSK	270	0		14.20		15.8	0.0
100	QPSK	1	1		14.43		15.8	0.0
100	QPSK	1	137		14.42			
100	QPSK	1	271		14.41			
100	QPSK	135	0		14.16		15.8	0.0
100	QPSK	135	69		14.36		15.8	0.0
100	QPSK	135	138		14.05		15.8	0.0
100	QPSK	270	0		14.16		15.8	0.0
100	16QAM	1	1		14.23		15.8	0.0
100	64QAM	1	1		14.15		15.8	0.0
100	256QAM	1	1		14.20		15.8	0.0
Channel				648968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	14.36	14.36	14.34	15.8	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	14.39	14.28	14.31	15.8	0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	14.35	14.29	14.39	15.8	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	14.32	14.29	14.35	15.8	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	14.36	14.30	14.29	15.8	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	14.27	14.39	14.30	15.8	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	14.30	14.35	14.37	15.8	0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	14.36	14.38	14.28	15.8	0.0
Channel				647334	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	14.27	14.32	14.36	15.8	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.02	3750	3792.01	(dBm)	(dB)
15	QPSK	1	1	14.32	14.37	14.37	15.8	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	14.39	14.35	14.28	15.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Limit Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
100	Pi2 BPSK	1	1		14.69		15.8	0.0
100	Pi2 BPSK	1	137		14.65			
100	Pi2 BPSK	1	271		14.56			
100	Pi2 BPSK	135	0		14.56		15.8	0.0
100	Pi2 BPSK	135	69		14.56		15.8	0.0
100	Pi2 BPSK	135	138		14.63		15.8	0.0
100	Pi2 BPSK	270	0		14.62		15.8	0.0
100	QPSK	1	1		14.80		15.8	0.0
100	QPSK	1	137		14.66			
100	QPSK	1	271		14.72			
100	QPSK	135	0		14.39		15.8	0.0
100	QPSK	135	69		14.54		15.8	0.0
100	QPSK	135	138		14.38		15.8	0.0
100	QPSK	270	0		14.50		15.8	0.0
100	16QAM	1	1		14.55		15.8	0.0
100	64QAM	1	1		14.50		15.8	0.0
100	256QAM	1	1		14.59		15.8	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	14.70	14.69	14.68	15.8	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	14.68	14.66	14.69	15.8	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	14.64	14.63	14.69	15.8	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	14.66	14.69	14.70	15.8	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	14.76	14.72	14.74	15.8	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3528.01	(dBm)	(dB)
40	QPSK	1	1	14.67	14.75	14.76	15.8	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	14.67	14.71	14.71	15.8	0.0
Channel				630534	633334	635934	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	14.65	14.67	14.64	15.8	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	14.75	14.67	14.66	15.8	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.01	(dBm)	(dB)
15	QPSK	1	1	14.71	14.74	14.73	15.8	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	14.68	14.66	14.69	15.8	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)				3370	3624.99	3679.98		
40	PV2 BPSK	1	1	18.52	18.40	18.43		
40	PV2 BPSK	1	108	18.32	18.39	18.32	19.7	0.0
40	PV2 BPSK	1	214	18.38	18.33	18.25		
40	PV2 BPSK	108	0	18.43	18.54	18.35	19.7	0.0
40	PV2 BPSK	108	54	18.39	18.41	18.35	19.7	0.0
40	PV2 BPSK	108	108	18.20	18.43	18.29		
40	PV2 BPSK	216	0	18.30	18.39	18.33	19.7	0.0
40	QPSK	1	1	18.53	18.67	18.45		
40	QPSK	1	108	18.33	18.52	18.29	19.7	0.0
40	QPSK	1	214	18.37	18.60	18.42		
40	QPSK	108	0	18.16	18.32	18.23	19.7	0.0
40	QPSK	108	54	18.35	18.57	18.45	19.7	0.0
40	QPSK	108	108	18.21	18.19	18.22		
40	QPSK	216	0	18.54	18.29	18.15	19.7	0.0
40	16QAM	1	1	18.28	18.32	18.22	19.7	0.0
40	64QAM	1	1	18.20	18.40	18.18	19.7	0.0
40	256QAM	1	1	17.30	17.39	17.20	18.5	1.2
Channel								
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	18.40	18.56	18.33	19.7	0.0
Channel								
Frequency (MHz)				637334	641666	646000		
20	QPSK	1	1	18.44	18.60	18.38	19.7	0.0
Channel								
Frequency (MHz)				637168	641666	646166		
10	QPSK	1	1	18.44	18.60	18.38	19.7	0.0
Channel								
Frequency (MHz)				637000	641666	646332		
10	QPSK	1	1	18.42	18.60	18.36	19.7	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)				3700	3840	3930		
100	PV2 BPSK	1	1	18.90	18.87	18.80		
100	PV2 BPSK	1	137	18.78	18.87	18.78	19.7	0.0
100	PV2 BPSK	1	271	18.84	18.83	18.84		
100	PV2 BPSK	135	0	18.93	18.99	18.74	19.7	0.0
100	PV2 BPSK	135	69	18.74	18.92	18.72	19.7	0.0
100	PV2 BPSK	135	138	18.65	18.86	18.71		
100	PV2 BPSK	270	0	18.71	18.88	18.83	19.7	0.0
100	QPSK	1	1	18.91	19.03	18.88		
100	QPSK	1	137	18.81	18.90	18.80	19.7	0.0
100	QPSK	1	271	18.83	18.96	18.94		
100	QPSK	135	0	18.70	18.65	18.74	19.7	0.0
100	QPSK	135	69	18.81	18.99	18.81	19.7	0.0
100	QPSK	135	138	18.61	18.67	18.62	19.7	0.0
100	QPSK	270	0	18.58	18.75	18.60		
100	16QAM	1	1	18.70	18.79	18.71	19.7	0.0
100	64QAM	1	1	18.63	18.75	18.52	19.7	0.0
100	256QAM	1	1	18.76	18.77	18.60	19.7	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.76	18.96	18.72	19.7	0.0
Channel								
Frequency (MHz)				646334	650000	652668		
80	QPSK	1	1	18.76	18.96	18.73	19.7	0.0
Channel								
Frequency (MHz)				646000	650000	653000		
70	QPSK	1	1	18.81	18.92	18.73	19.7	0.0
Channel								
Frequency (MHz)				646868	650000	653334		
60	QPSK	1	1	18.76	18.95	18.76	19.7	0.0
Channel								
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.76	18.94	18.73	19.7	0.0
Channel								
Frequency (MHz)				646000	650000	654000		
40	QPSK	1	1	18.76	18.90	18.74	19.7	0.0
Channel								
Frequency (MHz)				647668	650000	654334		
30	QPSK	1	1	18.85	18.95	18.74	19.7	0.0
Channel								
Frequency (MHz)				647000	650000	654500		
25	QPSK	1	1	18.83	18.87	18.78	19.7	0.0
Channel								
Frequency (MHz)				647254	650000	654668		
20	QPSK	1	1	18.83	18.93	18.74	19.7	0.0
Channel								
Frequency (MHz)				647168	650000	654834		
15	QPSK	1	1	18.84	18.90	18.80	19.7	0.0
Channel								
Frequency (MHz)				647000	650000	655000		
10	QPSK	1	1	18.76	18.88	18.82	19.7	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)				3900.01	633334			
100	PV2 BPSK	1	1	18.63				
100	PV2 BPSK	1	137	18.40			19.7	0.0
100	PV2 BPSK	1	271	18.27				
100	PV2 BPSK	135	0	18.46			19.7	0.0
100	PV2 BPSK	135	69	18.36			19.7	0.0
100	PV2 BPSK	135	138	18.47				
100	PV2 BPSK	270	0	18.35			19.7	0.0
100	QPSK	1	1	18.60				
100	QPSK	1	137	18.36			19.7	0.0
100	QPSK	1	271	18.55				
100	QPSK	135	0	18.21			19.7	0.0
100	QPSK	135	69	18.59			19.7	0.0
100	QPSK	135	138	18.12			19.7	0.0
100	QPSK	270	0	18.22				
100	16QAM	1	1	18.28			19.7	0.0
100	64QAM	1	1	18.35			19.7	0.0
100	256QAM	1	1	18.34			19.7	0.0
Channel								
Frequency (MHz)				633000	633334	633668		
90	QPSK	1	1	18.51	18.50	18.52	19.7	0.0
Channel								
Frequency (MHz)				632668	633334	634000		
80	QPSK	1	1	18.40	18.53	18.47	19.7	0.0
Channel								
Frequency (MHz)				632334	633334	634334		
70	QPSK	1	1	18.45	18.53	18.56	19.7	0.0
Channel								
Frequency (MHz)				632000	633334	634668		
60	QPSK	1	1	18.54	18.46	18.50	19.7	0.0
Channel								
Frequency (MHz)				3475.02	3900.01	3925.02		
50	QPSK	1	1	18.52	18.45	18.49	19.7	0.0
Channel								
Frequency (MHz)				631334	633334	635334		
40	QPSK	1	1	18.45	18.49	18.46	19.7	0.0
Channel								
Frequency (MHz)				631000	633334	635668		
30	QPSK	1	1	18.40	18.49	18.47	19.7	0.0
Channel								
Frequency (MHz)				630668	633334	636000		
25	QPSK	1	1	18.49	18.49	18.52	19.7	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
20	QPSK	1	1	18.47	18.48	18.44	19.7	0.0
Channel								
Frequency (MHz)				630000	633334	636668		
15	QPSK	1	1	18.51	18.54	18.45	19.7	0.0
Channel								
Frequency (MHz)				630334	633334	636334		
10	QPSK	1	1	18.54	18.52	18.48	19.7	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		18.90		19.7	0.0	
100	PI/2 BPSK	1	137		18.79				
100	PI/2 BPSK	1	271		18.84				
100	PI/2 BPSK	135	0		18.99		19.7	0.0	
100	PI/2 BPSK	135	69		18.91		19.7	0.0	
100	PI/2 BPSK	135	138		18.92				
100	PI/2 BPSK	270	0		18.81		19.7	0.0	
100	QPSK	1	1		19.04		19.7	0.0	
100	QPSK	1	137		18.93				
100	QPSK	1	271		18.98				
100	QPSK	135	0		18.63		19.7	0.0	
100	QPSK	135	69		18.92		19.7	0.0	
100	QPSK	135	138		18.71		19.7	0.0	
100	QPSK	270	0		18.76		19.7	0.0	
100	16QAM	1	1		18.80				
100	64QAM	1	1		18.67				
100	256QAM	1	1		18.77		19.7	0.0	
Channel				649968	650000	650034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		18.94	18.91	18.06	19.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		18.92	18.90	18.90	19.7	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		18.89	18.93	18.97	19.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		18.90	18.98	18.94	19.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		18.91	18.91	18.93	19.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		18.97	18.98	18.91	19.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		18.93	18.98	18.94	19.7	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		18.99	18.99	18.99	19.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		18.92	18.98	18.94	19.7	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.01			
15	QPSK	1	1		18.98	18.95	18.89	19.7	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		18.91	19.00	18.91	19.7	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					633334				
Frequency (MHz)					3500.01				
100	P2 PSK	1	1		18.31		19.7	0.0	
100	P2 PSK	1	137		18.34				
100	P2 PSK	1	271		18.33				
100	P2 PSK	135	0		18.38		19.7	0.0	
100	P2 PSK	135	69		18.34		19.7	0.0	
100	P2 PSK	135	138		18.37				
100	P2 PSK	270	0		18.32		19.7	0.0	
100	QPSK	1	1		18.51		19.7	0.0	
100	QPSK	1	137		18.49				
100	QPSK	1	271		18.37				
100	QPSK	135	0		18.21		19.7	0.0	
100	QPSK	135	69		18.44		19.7	0.0	
100	QPSK	135	138		18.18		19.7	0.0	
100	QPSK	270	0		18.25		19.7	0.0	
100	16QAM	1	1		18.19				
100	64QAM	1	1		18.17				
100	256QAM	1	1		18.26		19.7	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		18.41	18.45	18.43	19.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		18.37	18.35	18.40	19.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		18.43	18.41	18.45	19.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		18.35	18.39	18.41	19.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		18.38	18.39	18.42	19.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.01			
40	QPSK	1	1		18.40	18.41	18.37	19.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		18.39	18.45	18.42	19.7	0.0
Channel				630634	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		18.36	18.46	18.35	19.7	0.0
Channel				630668	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		18.41	18.44	18.40	19.7	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.51			
15	QPSK	1	1		18.47	18.39	18.44	19.7	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		18.45	18.36	18.40	19.7	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)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	17.91	18.06	17.88		
40	PV2 BPSK	1	108	17.83	17.95	17.80	19.0	0.0
40	PV2 BPSK	1	214	17.84	17.97	17.73		
40	PV2 BPSK	108	0	17.97	18.06	17.83	19.0	0.0
40	PV2 BPSK	108	54	17.80	17.90	17.82	19.0	0.0
40	PV2 BPSK	108	108	17.72	17.98	17.84		
40	PV2 BPSK	216	0	17.77	17.81	17.84	19.0	0.0
40	QPSK	1	1	18.03	18.13	18.03		
40	QPSK	1	108	18.02	17.98	17.79	19.0	0.0
40	QPSK	1	214	17.98	17.98	17.98		
40	QPSK	108	0	17.86	17.81	17.69	19.0	0.0
40	QPSK	108	54	17.96	17.99	17.87	19.0	0.0
40	QPSK	108	108	17.74	17.72	17.73	19.0	0.0
40	QPSK	216	0	17.57	17.63	17.63		
40	16QAM	1	1	17.71	17.85	17.78	19.0	0.0
40	64QAM	1	1	17.87	17.76	17.76	19.0	0.0
40	256QAM	1	1	17.36	17.48	17.22	18.5	0.5
Channel				3765.02	3819.99	3874.99	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3865.02	3924.99	3984.99		
30	QPSK	1	1	17.58	17.59	17.99	19.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3663.01	3624.99	3699		
20	QPSK	1	1	17.97	18.00	17.94	19.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.81	18.05	17.84	19.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.98	17.98	17.97	19.0	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)				3705	3840	3930		
100	PV2 BPSK	1	1	16.40	16.50	16.48		
100	PV2 BPSK	1	137	16.30	16.41	16.30	17.5	0.0
100	PV2 BPSK	1	271	16.33	16.49	16.20		
100	PV2 BPSK	135	0	16.59	16.57	16.37	17.5	0.0
100	PV2 BPSK	135	69	16.43	16.44	16.36	17.5	0.0
100	PV2 BPSK	135	138	16.38	16.54	16.37		
100	PV2 BPSK	270	0	16.40	16.43	16.44	17.5	0.0
100	QPSK	1	1	16.55	16.65	16.58		
100	QPSK	1	137	16.50	16.56	16.40	17.5	0.0
100	QPSK	1	271	16.55	16.57	16.54		
100	QPSK	135	0	16.18	16.32	16.27	17.5	0.0
100	QPSK	135	69	16.30	16.59	16.42	17.5	0.0
100	QPSK	135	138	16.30	16.25	16.34	17.5	0.0
100	QPSK	270	0	16.11	16.30	16.23		
100	16QAM	1	1	16.27	16.44	16.29	17.5	0.0
100	64QAM	1	1	16.24	16.37	16.21	17.5	0.0
100	256QAM	1	1	16.28	16.40	16.32	17.5	0.0
Channel				3755.02	385000	392504	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.48	16.51	16.54	17.5	0.0
Channel				646334	650000	652968	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.48	16.61	16.48	17.5	0.0
Channel				646000	650000	653000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.51	16.58	16.49	17.5	0.0
Channel				648868	650000	653334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.43	16.55	16.51	17.5	0.0
Channel				643334	650000	652968	Tune-up limit (dBm)	MPR
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.49	16.50	16.43	17.5	0.0
Channel				644000	650000	654000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.40	16.61	16.49	17.5	0.0
Channel				647668	650000	654334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.43	16.52	16.43	17.5	0.0
Channel				647500	650000	654500	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.43	16.50	16.52	17.5	0.0
Channel				647254	650000	654668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.51	16.55	16.52	17.5	0.0
Channel				647168	650000	654834	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.45	16.50	16.50	17.5	0.0
Channel				647000	650000	655000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.44	16.52	16.47	17.5	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)				3500.01	633334			
100	PV2 BPSK	1	1	16.63				
100	PV2 BPSK	1	137	16.38			17.5	0.0
100	PV2 BPSK	1	271	16.51				
100	PV2 BPSK	135	0	16.47			17.5	0.0
100	PV2 BPSK	135	69	16.47			17.5	0.0
100	PV2 BPSK	135	138	16.48			17.5	0.0
100	PV2 BPSK	270	0	16.39				
100	QPSK	1	1	16.66				
100	QPSK	1	137	16.54			17.5	0.0
100	QPSK	1	271	16.61				
100	QPSK	135	0	16.22			17.5	0.0
100	QPSK	135	69	16.64			17.5	0.0
100	QPSK	135	138	16.25			17.5	0.0
100	QPSK	270	0	16.31				
100	16QAM	1	1	16.38			17.5	0.0
100	64QAM	1	1	16.34			17.5	0.0
100	256QAM	1	1	16.32			17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3498	3500.01	3505.02		
90	QPSK	1	1	16.58	16.62	16.56	17.5	0.0
Channel				632068	633334	634000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3493.01	3502.01	3510		
80	QPSK	1	1	16.62	16.51	16.57	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.62	16.51	16.57	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.59	16.54	16.60	17.5	0.0
Channel				631504	633334	635000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.57	16.56	16.60	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3470.01	3502.01	3530.01		
40	QPSK	1	1	16.62	16.60	16.56	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.61	16.51	16.53	17.5	0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.60	16.56	16.56	17.5	0.0
Channel				630068	633334	636000	Tune-up limit (dBm)	MPR
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.61	16.53	16.51	17.5	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	16.61	16.59	16.55	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.61	16.58	16.54	17.5	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				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		16.77		17.5	0.0
100	Pi2 BPSK	1	137		16.70			
100	Pi2 BPSK	1	271		16.71			
100	Pi2 BPSK	135	0		16.79		17.5	0.0
100	Pi2 BPSK	135	69		16.71		17.5	0.0
100	Pi2 BPSK	135	138		16.74		17.5	0.0
100	Pi2 BPSK	270	0		16.66		17.5	0.0
100	QPSK	1	1		16.84		17.5	0.0
100	QPSK	1	137		16.83			
100	QPSK	1	271		16.79			
100	QPSK	135	0		16.51		17.5	0.0
100	QPSK	135	69		16.73		17.5	0.0
100	QPSK	135	138		16.52		17.5	0.0
100	QPSK	270	0		16.58		17.5	0.0
100	16QAM	1	1		16.72		17.5	0.0
100	64QAM	1	1		16.59		17.5	0.0
100	256QAM	1	1		16.68		17.5	0.0
Channel				649968	650000	650034	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	16.86	16.88	16.79	17.5	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	16.81	16.88	16.90	17.5	0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	16.79	16.89	16.88	17.5	0.0
Channel				648068	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	16.83	16.78	16.88	17.5	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	16.81	16.79	16.84	17.5	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	16.80	16.83	16.87	17.5	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	16.79	16.88	16.86	17.5	0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	16.90	16.80	16.79	17.5	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	16.82	16.80	16.84	17.5	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.02	3750	3792.01	(dBm)	(dB)
15	QPSK	1	1	16.88	16.84	16.84	17.5	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	16.87	16.80	16.82	17.5	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					633334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		16.40		17.5	0.0	
100	Pi2 BPSK	1	137		16.24				
100	Pi2 BPSK	1	271		16.36				
100	Pi2 BPSK	135	0		16.40		17.5	0.0	
100	Pi2 BPSK	135	69		16.34		17.5	0.0	
100	Pi2 BPSK	135	138		16.34		17.5	0.0	
100	Pi2 BPSK	270	0		16.35		17.5	0.0	
100	QPSK	1	1		16.47		17.5	0.0	
100	QPSK	1	137		16.41				
100	QPSK	1	271		16.42				
100	QPSK	135	0		16.19		17.5	0.0	
100	QPSK	135	69		16.37		17.5	0.0	
100	QPSK	135	138		16.16		17.5	0.0	
100	QPSK	270	0		16.32		17.5	0.0	
100	16QAM	1	1		16.33		17.5	0.0	
100	64QAM	1	1		16.32		17.5	0.0	
100	256QAM	1	1		16.27		17.5	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		16.35	16.34	16.42	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		16.42	16.42	16.35	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		16.31	16.42	16.41	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		16.41	16.43	16.36	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		16.32	16.36	16.35	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3528.01			
40	QPSK	1	1		16.35	16.39	16.35	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		16.35	16.41	16.42	17.5	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		16.32	16.39	16.35	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		16.35	16.36	16.37	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500.01	3542.52			
15	QPSK	1	1		16.31	16.35	16.39	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.39	16.38	16.40	17.5	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				509200	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	16.92	16.85	16.76		
100	PI/2 BPSK	1	137	16.86	16.75	16.72	18.0	0.0
100	PI/2 BPSK	1	271	16.74	16.88	16.58		
100	PI/2 BPSK	135	0	16.86	16.84	16.64	18.0	0.0
100	PI/2 BPSK	135	69	16.63	16.77	16.73	18.0	0.0
100	PI/2 BPSK	135	138	16.74	16.82	16.70		
100	PI/2 BPSK	270	0	16.77	16.86	16.75	18.0	0.0
100	QPSK	1	1	16.98	17.09	16.97		
100	QPSK	1	137	16.72	16.89	16.66	18.0	0.0
100	QPSK	1	271	16.79	16.94	16.87		
100	QPSK	135	0	16.58	16.59	16.62	18.0	0.0
100	QPSK	135	69	16.73	16.94	16.80	18.0	0.0
100	QPSK	135	138	16.61	16.58	16.55		
100	QPSK	270	0	16.48	16.69	16.56	18.0	0.0
100	16QAM	1	1	16.68	16.74	16.62	18.0	0.0
100	64QAM	1	1	16.72	16.78	16.54	18.0	0.0
100	256QAM	1	1	16.62	16.70	16.62	18.0	0.0
Channel				506200	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.85	17.02	16.88	18.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.92	16.95	16.86	18.0	0.0
Channel				506200	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.87	17.02	16.83	18.0	0.0
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	17.02	16.59	16.88	18.0	0.0
Channel				504204	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.98	17.05	16.92	18.0	0.0
Channel				503700	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
40	QPSK	1	1	17.03	17.08	16.89	18.0	0.0
Channel				503200	518998	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
30	QPSK	1	1	17.03	17.04	16.89	18.0	0.0
Channel				502704	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
20	QPSK	1	1	16.99	17.03	16.89	18.0	0.0
Channel				502200	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
15	QPSK	1	1	17.03	17.01	16.98	18.0	0.0
Channel				501702	518998	533500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
10	QPSK	1	1	17.02	16.98	16.95	18.0	0.0



Reduced Power Mode for ECI4_Other PA

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 314000	Power Max Ch. Freq. 316000	Power High Ch. Freq. 318000	Turnup time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PI2 BPSK	1	1	22.59	22.75	22.71			
40	PI2 BPSK	1	108	22.59	22.73	22.65	24.0	0.0	
40	PI2 BPSK	1	214	22.59	22.76	22.65			
40	PI2 BPSK	108	3	22.68	22.28	22.23	23.5	0.5	
40	PI2 BPSK	108	54	22.53	22.78	22.63	24.0	0.0	
40	PI2 BPSK	108	108	22.62	22.33	22.18	23.5	0.5	
40	PI2 BPSK	216	3	22.69	22.29	22.14			
40	QPSK	1	108	22.53	22.77	22.59	24.0	0.0	
40	QPSK	1	214	22.53	22.75	22.65			
40	QPSK	108	3	21.97	21.82	21.68	23.0	1.0	
40	QPSK	108	54	22.53	22.77	22.65	24.0	0.0	
40	QPSK	108	108	21.54	21.78	21.67	23.0	1.0	
40	QPSK	216	3	21.54	21.69	21.65	23.0	1.0	
40	16QAM	1	1	21.43	21.76	21.55	23.0	1.0	
40	16QAM	1	1	20.14	20.38	20.34	21.5	2.5	
40	256QAM	1	1	18.15	18.34	18.21	18.5	4.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.51	22.74	22.67	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	1982.5	1985	1987.5			
Channel									
Frequency [MHz]									
25	QPSK	1	1	1710.5	1710.5	1710.5	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	1710	1710	1710	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.49	22.89	22.95	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.48	22.77	22.58	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.48	22.75	22.62	22.5	1.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.48	22.67	22.55	22.0	0.5	

n25 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 314000	Power Max Ch. Freq. 316000	Power High Ch. Freq. 318000	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PI2 BPSK	1	1	22.59	22.69	22.61			
40	PI2 BPSK	1	108	22.48	22.59	22.45	24.0	0.0	
40	PI2 BPSK	1	214	22.52	22.65	22.45			
40	PI2 BPSK	108	3	22.19	22.24	22.08	23.5	0.5	
40	PI2 BPSK	108	54	22.59	22.69	22.51	24.0	0.0	
40	PI2 BPSK	108	108	22.14	22.14	22.07	23.5	0.5	
40	PI2 BPSK	216	3	22.59	22.24	22.08			
40	QPSK	1	108	22.55	22.67	22.48	24.0	0.0	
40	QPSK	1	214	22.51	22.62	22.45			
40	QPSK	108	3	21.88	21.77	21.71	23.0	1.0	
40	QPSK	108	54	22.54	22.76	22.62	24.0	0.0	
40	QPSK	108	108	21.86	21.71	21.63	23.0	1.0	
40	QPSK	216	3	21.86	21.75	21.66	23.0	1.0	
40	16QAM	1	1	21.53	21.75	21.53	23.0	1.0	
40	16QAM	1	1	20.23	20.38	20.22	21.5	2.5	
40	256QAM	1	1	18.21	18.33	18.15	18.5	4.5	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.59	22.71	22.59	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.56	22.71	22.58	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	1982.5	1982.5	1982.5			
Channel									
Frequency [MHz]									
25	QPSK	1	1	1710.5	1710.5	1710.5	24.0	0.0	
25	QPSK	1	1	1710	1710	1710	24.0	0.0	
25	QPSK	1	1	22.56	22.73	22.64	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.59	22.68	22.64	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.48	22.62	22.61	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.55	22.67	22.64	24.0	0.0	

n66 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 340000	Power Max Ch. Freq. 346000	Power High Ch. Freq. 352000	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PI2 BPSK	1	1	22.49	22.50	22.44			
40	PI2 BPSK	1	108	22.45	22.45	22.39	24.0	0.0	
40	PI2 BPSK	1	214	22.43	22.50	22.37			
40	PI2 BPSK	108	3	22.04	22.14	21.91	23.5	0.5	
40	PI2 BPSK	108	54	22.51	22.57	22.52	24.0	0.0	
40	PI2 BPSK	108	108	22.31	22.08	21.92	23.5	0.5	
40	PI2 BPSK	216	3	22.59	22.19	21.99			
40	QPSK	1	1	22.57	22.65	22.59			
40	QPSK	1	108	22.48	22.55	22.34	24.0	0.0	
40	QPSK	1	214	22.41	22.45	22.37			
40	QPSK	108	3	21.92	21.59	21.55	23.0	1.0	
40	QPSK	108	54	22.51	22.56	22.51	24.0	0.0	
40	QPSK	108	108	21.97	21.58	21.51	23.0	1.0	
40	QPSK	216	3	21.95	21.62	21.45	23.0	1.0	
40	16QAM	1	1	21.48	21.57	21.45	23.0	1.0	
40	16QAM	1	1	20.11	20.37	20.25	21.5	2.5	
40	256QAM	1	1	18.16	18.11	17.99	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.43	22.50	22.46	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.43	22.55	22.40	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	1722.5	1745	1747.5			
Channel									
Frequency [MHz]									
25	QPSK	1	1	1712.5	1745	1747.5	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.43	22.58	22.42	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.42	22.58	22.33	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.46	22.56	22.39	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.48	22.56	22.27	24.0	0.0	

n70 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PI2 BPSK	1	1		22.69				
15	PI2 BPSK	1	40		22.75		24.0	0.0	
15	PI2 BPSK	1	79		22.81				
15	PI2 BPSK	1	118		22.86		23.5	0.3	
15	PI2 BPSK	1	157		22.90		24.0	0.0	
15	PI2 BPSK	1	196		22.94		23.5	0.5	
15	PI2 BPSK	1	235		22.98				
15	PI2 BPSK	1	274		23.01		23.5	1.0	
15	PI2 BPSK	1	313		23.05				
15	PI2 BPSK	1	352		23.08		24.0	0.0	
15	PI2 BPSK	1	391		23.10		23.5	1.0	
15	PI2 BPSK	1	430		23.11		24.0	0.0	
15	PI2 BPSK	1	469		23.12				
15	PI2 BPSK	1	508		23.13		23.5	1.0	
15	PI2 BPSK	1	547		23.14		23.5	1.0	
15	PI2 BPSK	1	586		23.15		23.5	1.0	
15	PI2 BPSK	1	625		23.16		23.5	1.0	
15	PI2 BPSK	1	664		23.17		23.5	1.0	
15	PI2 BPSK	1	703		23.18		23.5	1.0	
15	PI2 BPSK	1	742		23.19		23.5	1.0	
15	PI2 BPSK	1	781		23.20		23.5	1.0	
15	PI2 BPSK	1	820		23.21		23.5	1.0	
15	PI2 BPSK	1	859		23.22		23.5	1.0	
15	PI2 BPSK	1	898		23.23		23.5	1.0	
15	PI2 BPSK	1	937		23.24		23.5	1.0	
15	PI2 BPSK	1	976		23.25		23.5	1.0	
15	PI2 BPSK	1	1015		23.26		23.5	1.0	
15	PI2 BPSK	1	1054		23.27		23.5	1.0	
15	PI2 BPSK	1	1093		23.28		23.5	1.0	
15	PI2 BPSK	1	1132		23.29		23.5	1.0	
15	PI2 BPSK	1	1171		23.30		23.5	1.0	
15	PI2 BPSK	1	1210		23.31		23.5	1.0	
15	PI2 BPSK	1	1249		23.32		23.5	1.0	
15	PI2 BPSK	1	1288		23.33		23.5	1.0	
15	PI2 BPSK	1	1327		23.34		23.5	1.0	
15	PI2 BPSK	1	1366		23.35		23.5	1.0	
15	PI2 BPSK	1	1405		23.36		23.5	1.0	
15	PI2 BPSK	1	1444		23.37		23.5	1.0	
15	PI2 BPSK	1	1483		23.38		23.5	1.0	
15	PI2 BPSK	1	1522		23.39		23.5	1.0	
15	PI2 BPSK	1	1561		23.40		23.5	1.0	
15	PI2 BPSK	1	1600		23.41		23.5	1.0	
15	PI2 BPSK	1	1639		23.42		23.5	1.0	
15	PI2 BPSK	1	1678		23.43		23.5	1.0	
15	PI2 BPSK	1	1717		23.44		23.5	1.0	
15	PI2 BPSK	1	1756		23.45		23.5	1.0	
15	PI2 BPSK	1	1795		23.46		23.5	1.0	
15	PI2 BPSK	1	1834		23.47		23.5	1.0	
15	PI2 BPSK	1	1873		23.48		23.5	1.0	
15	PI2 BPSK	1	1912		23.49		23.5	1.0	
15	PI2 BPSK	1	1951		23.50		23.5	1.0	
15	PI2 BPSK	1	1990		23.51		23.5	1.0	
15	PI2 BPSK	1	2029		23.52		23.5	1.0	
15	PI2 BPSK	1	2068		23.53		23.5	1.0	
15	PI2 BPSK	1	2107		23.54		23.5	1.0	
15	PI2 BPSK	1	2146		23.55		23.5	1.0	
15	PI2 BPSK	1	2185		23.56		23.5	1.0	
15	PI2 BPSK	1	2224		23.57		23.5	1.0	
15	PI2 BPSK	1	2263		23.58		23.5	1.0	
15	PI2 BPSK	1	2302		23.59		23.5	1.0	
15	PI2 BPSK	1	2341		23.60		23.5	1.0	
15	PI2 BPSK	1	2380		23.61		23.5	1.0	
15	PI2 BPSK	1	2419		23.62		23.5	1.0	
15	PI2 BPSK	1	2458		23.63		23.5	1.0	
15	PI2 BPSK	1	2497		23.64		23.5	1.0	
15	PI2 BPSK	1	2536		23.65		23.5	1.0	
15	PI2 BPSK	1	2575		23.66		23.5	1.0	
15	PI2 BPSK	1	2614		23.67		23.5	1.0	
15	PI2 BPSK	1	2653		23.68		23.5	1.0	
15	PI2 BPSK	1	2692		23.69		23.5	1.0	
15	PI2 BPSK	1	2731		23.70		23.5	1.0	
15	PI2 BPSK	1	2770		23.71		23.5	1.0	
15	PI2 BPSK	1	2809		23.72		23.5	1.0	
15	PI2 BPSK	1	2848		23.73		23.5	1.0	
15	PI2 BPSK	1	2887		23.74		23.5	1.0	
15	PI2 BPSK	1	2926		23.75		23.5	1.0	
15	PI2 BPSK	1	2965		23.76		23.5	1.0	
15	PI2 BPSK	1	3004		23.77		23.5	1.0	
15	PI2 BPSK	1	3043		23.78		23.5	1.0	
15	PI2 BPSK	1	3082		23.79		23.5	1.0	
15	PI2 BPSK	1	3121		23.80		23.5	1.0	
15	PI2 BPSK	1	3160		23.81		23.5	1.0	
15	PI2 BPSK	1	3199		23.82		23.5	1.0	
15	PI2 BPSK	1	3238		23.83		23.5	1.0	
15	PI2 BPSK	1	3277		23.84		23.5	1.0	
15	PI2 BPSK	1	3316		23.85		23.5	1.0	
15	PI2 BPSK	1	3355		23.86		23.5	1.0	
15	PI2 BPSK	1	3394		23.87		23.5	1.0	
15	PI2 BPSK	1	3433		23.88		23.5	1.0	
15	PI2 BPSK	1	3472		23.89		23.5	1.0	
15	PI2 BPSK	1	3511		23.90		23.5	1.0	
15	PI2 BPSK	1	3550		23.91		23.5	1.0	
15	PI2 BPSK	1	3589		23.92		23.5	1.0	
15	PI2 BPSK	1	3628		23.93		23.5	1.0	
15	PI2 BPSK	1	3667		23.94		23.5	1.0	
15	PI2 BPSK	1	3706		23.95		23.5	1.0	
15	PI2 BPSK	1	3745		23.96		23.5	1.0	
15	PI2 BPSK	1	3784		23.97		23.5	1.0	
15	PI2 BPSK	1	3823		23.98		23.5	1.0	
15	PI2 BPSK	1	3862		23.99		23.5	1.0	
15	PI2 BPSK	1	3901		24.00		23.5	1.0	
15	PI2 BPSK	1	3940		24.01		23.5	1.0	
15	PI2 BPSK	1	3979		24.02		23.5	1.0	
15	PI2 BPSK	1	4018		24.03		23.5	1.0	
15	PI2 BPSK	1	4057		24.04		23.5	1.0	
15	PI2 BPSK	1	4096		24.05		23.5	1.0	
15	PI2 BPSK	1	4135		24.06		23.5	1.0	
15	PI2 BPSK	1	4174		24.07		23.5	1.0	
15	PI2 BPSK	1	4213		24.08		23.5	1.0	
15	PI2 BPSK	1	4252		24.09		23.5	1.0	
15	PI2 BPSK	1	4291		24.10		23.5	1.0	
15	PI2 BPSK	1	4330		24.11		23.5	1.0	
15	PI2 BPSK	1	4369		24.12		23.5	1.0	
15	PI2 BPSK	1	4408		24.13		23.5	1.0	
15	PI2 BPSK	1	4447		24.14		23.5	1.0	
15	PI2 BPSK	1	4486		24.15		23.5	1.0	
15	PI2 BPSK	1	4525		24.16		23.5	1.0	
15	PI2 BPSK	1	4564		24.17		23.5	1.0	
15	PI2 BPSK	1	4603		24.18		23.5	1.0	
15	PI2 BPSK	1	4642		24.19		23.5	1.0	
15	PI2 BPSK	1	4681		24.20		23.5	1.0	
15	PI2 BPSK	1	4720		24.21		23.5	1.0	
15	PI2 BPSK	1	4759		24.22		23.5	1.0	
15	PI2 BPSK	1	4798		24.23		23.5	1.0	
15	PI2 BPSK	1	4837		24.24		23.5	1.0	
15	PI2 BPSK	1	4876		24.25		23.5	1.0	
15	PI2 BPSK	1	4915		24.26		23.5	1.0	
15	PI2 BPSK	1	4954		24.27		23.5	1.0	
15	PI2 BPSK	1	4993		24.28		23.5	1.0	
15	PI2 BPSK	1	5032		24.29		23.5	1.0	
15	PI2 BPSK	1	5071		24.30		23.5	1.0	
15	PI2 BPSK	1	5110		24.31		23.5	1.0	
15	PI2 BPSK	1	5149		24.32		23.5	1.0	
15	PI2 BPSK	1	5188		24.33		23.5	1.0	
15	PI2 BPSK	1	5227		24.34		23.5	1.0	
15	PI2 BPSK	1	5266		24.35		23.5	1.0	
15	PI2 BPSK	1	5305		24.36		23.5	1.0	
15	PI2 BPSK	1	5344		24.37		23.5	1.0	
15	PI2 BPSK	1	5383		24.38		23.5	1.0	
15	PI2 BPSK	1	5422		24.39		23.5	1.0	
15	PI2 BPSK	1	5461		24.40		23.5	1.0	
15	PI2 BPSK	1	5500		24.41		23.5	1.0	
15	PI2 BPSK	1	5539		24.42		23.5	1.0	
15	PI2 BPSK	1	5578		24.43		23.5	1.0	
15	PI2 BPSK	1	5617		24.44		23.5	1.0	
15	PI2 BPSK	1	5656		24.45		23.5	1.0	
15	PI2 BPSK	1	5695		24.46		23.5	1.0	
15	PI2 BPSK	1	5734		24.47		23.5	1.0	
15	PI2 BPSK	1	5773		24.48		23.5	1.0	
15	PI2 BPSK	1	5812		24.49		23.5	1.0	
15	PI2 BPSK	1	5851		24.50		23.5	1.0	
15	PI2 BPSK	1	5890		24.51		23.5	1.0	
15	PI2 BPSK	1	5929		24.52		23.5	1.0	
15	PI2 BPSK	1	5968		24.53		23.5	1.0	
15	PI2 BPSK	1	6007		24.54		23.5	1.0	
15	PI2 BPSK	1	6046		24.55		23.5	1.0	
15	PI2 BPSK	1	6085		24.56		23.5	1.0	
15	PI2 BPSK	1	6124		24.57		23.5	1.0	
15	PI2 BPSK	1	6163		24.58		23.5	1.0	
15	PI2 BPSK	1	6202		24.59		23.5	1.0	
15	PI2 BPSK	1	6241		24.60		23.5	1.0	
15	PI2 BPSK	1	6280		24.61		23.5	1.0	
15	PI2 BPSK	1	6319		24.62		23.5	1.0	
15	PI2 BPSK	1	6358		24.63		23.5	1.0	
15	PI2 BPSK								

n41 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PL2-BPSK	1	1	22.74	22.89	22.85		
100	PL2-BPSK	1	137	22.75	22.79	22.84	24.0	0.0
100	PL2-BPSK	1	271	22.73	22.82	22.82		
100	PL2-BPSK	135	0	22.40	22.40	22.42	24.0	0.0
100	PL2-BPSK	135	0	22.41	22.81	22.85	24.0	0.0
100	PL2-BPSK	135	136	22.33	22.37	22.41	24.0	0.0
100	PL2-BPSK	270	0	22.27	22.41	22.37		
100	QPSK	1	1	22.85	22.85	22.85		
100	QPSK	1	137	22.79	22.81	22.85	24.0	0.0
100	QPSK	1	271	22.71	22.74	22.71		
100	QPSK	135	0	22.89	22.76	22.85	24.0	0.0
100	QPSK	135	0	22.81	22.86	22.86	24.0	0.0
100	QPSK	135	136	22.62	22.65	22.76	24.0	0.0
100	QPSK	270	0	22.63	22.77	22.76	24.0	0.0
100	8QAM	1	1	22.85	22.85	22.76	24.0	0.0
100	8QAM	1	1	22.63	22.70	22.79	24.0	0.0
100	8QAM	1	1	21.34	21.52	21.44	20.5	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.76	22.86	22.85	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.74	22.81	22.90	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.85	22.81	22.85	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.79	22.88	22.85	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.89	22.88	22.82	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	22.71	22.88	22.85	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.82	22.81	22.85	24.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	22.72	22.86	22.82	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.79	22.88	22.83	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.83	22.89	22.79	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.72	22.86	22.82	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.75	22.92	22.88	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.73	22.83	22.85	24.0	0.0

n41 PC2 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
100	PL2-BPSK	1	1	22.74	22.85	22.85		
100	PL2-BPSK	1	137	22.75	22.79	22.84	24.0	0.0
100	PL2-BPSK	1	271	22.73	22.82	22.82		
100	PL2-BPSK	135	0	22.40	22.40	22.42	23.5	0.5
100	PL2-BPSK	135	0	22.41	22.81	22.85	23.5	0.5
100	PL2-BPSK	135	136	22.33	22.37	22.41	23.5	0.5
100	PL2-BPSK	270	0	22.27	22.41	22.37		
100	QPSK	1	1	22.85	22.85	22.85		
100	QPSK	1	137	22.79	22.81	22.85	24.0	0.0
100	QPSK	1	271	22.71	22.74	22.71		
100	QPSK	135	0	22.89	22.76	22.89	23.0	1.0
100	QPSK	135	0	22.81	22.86	22.86	23.0	1.0
100	QPSK	135	136	22.62	22.65	22.76	23.0	1.0
100	QPSK	270	0	22.63	22.77	22.76	23.0	1.0
100	16QAM	1	1	22.85	22.85	22.76	23.0	1.0
100	16QAM	1	1	22.63	22.70	22.79	23.5	2.5
100	16QAM	1	1	21.34	21.52	21.44	18.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.76	22.86	22.85	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.74	22.81	22.90	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.85	22.81	22.85	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.79	22.88	22.78	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.89	22.88	22.82	23.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	22.71	22.88	22.85	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.82	22.81	22.85	23.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	22.72	22.86	22.82	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.79	22.88	22.83	23.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.83	22.89	22.79	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.72	22.86	22.82	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.75	22.92	22.88	24.0	2.5
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.73	22.82	22.85	24.0	2.5



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Min 37.5000	Power Max 37.5000	Power High 37.5000	Turnup time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PUSC-BPSK	1	1	22.45	22.54	22.47			
40	PUSC-BPSK	1	108	22.33	22.41	22.41	24.0	0.0	
40	PUSC-BPSK	1	214	22.42	22.43	22.35			
40	PUSC-BPSK	108	0	21.99	22.10	22.02	23.5	0.5	
40	PUSC-BPSK	108	54	21.93	21.94	22.00	24.0	0.0	
40	PUSC-BPSK	108	108	21.92	21.98	21.95	23.5	0.5	
40	PUSC-BPSK	216	0	21.90	22.00	21.93			
40	QPSK	1	1	22.52	22.55	22.51			
40	QPSK	1	108	22.40	22.47	22.42	24.0	0.0	
40	QPSK	1	214	22.40	22.43	22.35			
40	QPSK	108	0	21.99	21.98	21.97	23.0	1.0	
40	QPSK	108	54	21.94	21.92	21.94	24.0	0.0	
40	QPSK	108	108	21.94	21.92	21.91	23.0	1.0	
40	QPSK	216	0	21.92	21.95	21.95	23.0	1.0	
40	16QAM	1	1	21.92	21.93	21.94	23.0	1.0	
40	16QAM	1	1	20.15	20.12	20.12	21.5	2.5	
40	16QAM	1	1	18.12	18.06	18.01	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.45	22.48	22.41	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.50	22.45	22.38	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.43	22.43	22.37	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.48	22.42	22.35	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.47	22.44	22.40	24.0	1.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.46	22.53	22.38	24.0	2.5	

n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. 1 Freq. 374000	Power Max 374000	Power High 374000	Power Low 374000	Turn-up time (dBm)	MPE (dB)
Channel									
Frequency [MHz]									
40	PUSC-BPSK	1	1	22.40	22.52	22.41			
40	PUSC-BPSK	1	108	22.32	22.43	22.35	24.0	0.0	
40	PUSC-BPSK	1	214	22.38	22.43	22.32			
40	PUSC-BPSK	108	0	21.93	22.02	22.02	23.5	0.5	
40	PUSC-BPSK	108	54	22.03	22.02	22.02	24.0	0.0	
40	PUSC-BPSK	108	108	21.98	21.99	22.01	23.5	0.5	
40	PUSC-BPSK	216	0	21.90	22.04	22.01			
40	QPSK	1	1	22.53	22.55	22.51			
40	QPSK	1	108	22.42	22.48	22.44	24.0	0.0	
40	QPSK	1	214	22.38	22.35	22.35			
40	QPSK	108	0	21.49	21.58	21.58	23.0	1.0	
40	QPSK	108	54	21.54	21.57	21.54	24.0	0.0	
40	QPSK	108	108	21.49	21.57	21.54	23.0	1.0	
40	QPSK	216	0	21.48	21.48	21.42	23.0	1.0	
40	16QAM	1	1	21.46	21.50	21.51	23.0	1.0	
40	16QAM	1	1	20.08	20.18	20.12	21.5	2.5	
40	16QAM	1	1	18.01	18.11	18.08	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.40	22.50	22.45	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.40	22.50	22.40	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.41	22.48	22.35	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.40	22.47	22.43	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.39	22.45	22.43	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.43	22.48	22.32	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.44	22.50	22.35	24.0	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Power High Ch. 2 Freq.	Turn-up time (dBm)	MPE (dB)
Channel									
Frequency [MHz]									
40	PUSC-BPSK	1	1	22.48	22.55	22.48			
40	PUSC-BPSK	1	108	22.35	22.73	22.58	24.0	0.0	
40	PUSC-BPSK	1	214	22.38	22.75	22.51			
40	PUSC-BPSK	108	0	21.98	22.59	22.10	23.5	0.5	
40	PUSC-BPSK	108	54	22.06	22.98	22.81	24.0	0.0	
40	PUSC-BPSK	108	108	22.02	22.35	22.15	23.5	0.5	
40	PUSC-BPSK	216	0	22.00	22.38	22.10			
40	QPSK	1	1	22.58	22.62	22.54			
40	QPSK	1	108	22.38	22.80	22.60	24.0	0.0	
40	QPSK	1	214	22.37	22.68	22.44			
40	QPSK	108	0	21.58	21.98	21.73	23.0	1.0	
40	QPSK	108	54	21.45	21.58	21.50	24.0	0.0	
40	QPSK	108	108	21.55	21.83	21.64	23.0	1.0	
40	QPSK	216	0	21.53	21.66	21.72	23.0	1.0	
40	16QAM	1	1	21.52	21.64	21.58	23.0	1.0	
40	16QAM	1	1	20.15	20.50	20.25	21.5	2.5	
40	16QAM	1	1	18.03	18.47	18.25	18.5	4.5	
Channel									
Frequency [MHz]									
35	QPSK	1	1	22.51	22.77	22.50	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.51	22.77	22.50	24.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	22.48	22.79	22.60	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.48	22.75	22.18	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.44	22.81	22.81	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.44	22.80	22.83	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.52	22.80	22.81	24.0	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PUSC-BPSK	1	1			23.03			
15	PUSC-BPSK	1	40			23.13	24.0	0.0	
15	PUSC-BPSK	1	70			22.98			
15	PUSC-BPSK	36	0			22.83	23.5	0.5	
15	PUSC-BPSK	36	20			23.17	24.0	0.0	
15	PUSC-BPSK	36	40			22.99	23.5	0.5	
15	PUSC-BPSK	70	0			22.95			
15	QPSK	1	1			23.25			
15	QPSK	1	40			23.10	24.0	0.0	
15	QPSK	1	70			23.05			
15	QPSK	36	0			22.22	23.0	1.0	
15	QPSK	36	20			22.80	24.0	0.0	
15	QPSK	36	40			22.10	23.0	1.0	
15	QPSK	70	0			22.11	23.0	1.0	
15	16QAM	1	1			22.11	23.0	1.0	
1	2500KHz	1	1	540000	1170	1192.5	1240	13.5	4.5
Frequency [MHz]									
10	QPSK	1	1	21.14	21.16	21.19	24.0	0.0	
10	QPSK	1	40	21.14	21.16	21.19	24.0	0.0	
5	QPSK	1	1	21.14	21.16	21.19	24.0	0.0	
5	QPSK	1	40	21.14	21.16	21.19	24.0	0.0	

n41 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Turnup time (dBm)	LA5 (dB)
Channel								
Frequency (MHz)								
100	P12-BPSK	1	1	22.53	23.08	23.55		
100	P12-BPSK	1	137	22.89	23.08	22.94	24.0	0.1
100	P12-BPSK	1	271	22.85	22.88	22.87		
100	P12-BPSK	135	0	22.40	22.72	22.63	24.0	0.0
100	P12-BPSK	135	68	22.89	23.16	23.12	24.0	
100	P12-BPSK	135	136	22.43	22.48	22.61	24.0	0.1
100	P12-BPSK	270	0	22.41	22.84	22.94		
100	QPSK	1	1	22.55	22.85	23.17		
100	QPSK	1	137	22.88	23.09	22.98	24.0	
100	QPSK	1	271	22.83	22.86	22.85		
100	QPSK	135	0	22.01	22.24	22.13	24.0	0.0
100	QPSK	135	68	22.48	22.48	22.48	24.0	
100	QPSK	135	136	22.83	22.84	22.86	24.0	
100	QPSK	270	0	22.79	22.81	22.88		
100	16QAM	1	1	22.75	22.86	22.86	24.0	0.0
100	16QAM	1	1	22.74	22.86	22.86	24.0	
100	16QAM	1	1	21.45	21.76	21.65	22.5	
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.55	23.14	23.64	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.87	23.15	23.07	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.83	23.18	23.11	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.89	23.17	23.07	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.59	23.18	23.11	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	22.80	23.18	23.08	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.42	23.09	23.01	24.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	22.84	23.07	23.04	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.89	23.14	23.10	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.85	23.16	23.01	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.87	23.10	23.10	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.51	23.15	23.08	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.83	23.13	23.02	24.0	0.0

n41 PC2 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Turn-up time (dBm)
Channel							
Frequency (MHz)							
100	P12-BPSK	1	1	25.58	25.09	26.15	
100	P12-BPSK	1	137	25.18	26.09	25.85	27.0
100	P12-BPSK	1	271	25.20	25.88	25.95	
100	P12-BPSK	135	0	25.29	25.55	25.52	26.5
100	P12-BPSK	135	68	25.88	26.17	26.16	27.0
100	P12-BPSK	135	136	25.83	25.83	25.92	26.5
100	P12-BPSK	270	0	25.90	25.58	25.45	
100	QPSK	1	1	25.97	25.97	26.15	
100	QPSK	1	137	25.89	26.19	25.99	27.0
100	QPSK	1	271	25.94	25.98	25.94	
100	QPSK	135	0	24.84	25.16	25.19	26.0
100	QPSK	135	68	25.84	25.84	25.84	27.0
100	QPSK	135	136	24.87	25.15	25.15	26.0
100	QPSK	270	0	24.91	25.18	25.08	
100	16QAM	1	1	24.96	25.18	25.19	26.0
100	16QAM	1	1	23.48	23.77	23.74	26.5
100	16QAM	1	1	21.44	21.76	21.68	22.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	25.97	26.21	26.05	27.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	25.83	26.14	26.10	27.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	25.87	26.18	26.04	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.93	26.18	26.11	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.82	26.16	26.10	27.0
Channel							
Frequency (MHz)							
45	QPSK	1	1	25.91	26.15	26.04	27.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	25.88	26.26	26.18	27.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	25.87	26.14	26.07	27.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	25.89	26.23	26.14	27.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	25.89	26.13	26.07	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.87	26.13	26.08	27.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	25.87	26.19	26.28	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.91	26.20	26.14	27.0

n41 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Time-up time (dBm)	MPK (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	23.16	23.20	23.25		
100	P1/2 BPSK	1	137	23.05	23.08	23.25	24.0	0.0
100	P1/2 BPSK	1	271	23.05	23.08	23.25		
100	P1/2 BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	P1/2 BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	P1/2 BPSK	135	136	22.69	22.69	22.39	24.0	0.0
100	P1/2 BPSK	270	0	22.70	22.73	22.41		
100	QPSK	1	1	23.11	23.25	23.05		
100	QPSK	1	137	23.13	23.12	22.94	24.0	0.0
100	QPSK	1	271	23.01	23.08	22.85		
100	QPSK	135	6	23.10	23.18	23.01	24.0	0.0
100	QPSK	135	6	23.14	23.16	22.96	24.0	0.0
100	QPSK	135	136	23.07	23.17	22.95	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90		
100	16QAM	1	1	23.05	23.08	22.86	24.0	0.0
100	16QAM	1	1	23.02	23.04	22.87	24.0	0.0
100	16QAM	1	1	23.12	23.81	23.50	24.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.11	23.16	22.90	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.10	23.22	22.90	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.06	23.17	22.97	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.14	23.18	22.97	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.08	23.23	22.87	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	23.05	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.07	23.22	22.91	24.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	23.13	23.25	22.97	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.14	23.17	22.95	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.11	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.12	23.24	22.91	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.21	22.85	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.08	23.19	22.86	24.0	0.0

n41 PC2 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Frac.)	Power Media Ch. (Frac.)	Power High Ch. (Frac.)	Time-up time (dBm)	MPK (dB)
Channel								
Frequency (MHz)								
100	P1/2 BPSK	1	1	23.16	23.20	23.25		
100	P1/2 BPSK	1	137	23.05	23.08	23.25	24.0	0.0
100	P1/2 BPSK	1	271	23.05	23.08	23.25		
100	P1/2 BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	P1/2 BPSK	135	6	22.20	22.78	22.50	24.0	0.0
100	P1/2 BPSK	135	136	22.69	22.69	22.39	24.0	0.0
100	P1/2 BPSK	270	0	22.70	22.73	22.41		
100	QPSK	1	1	23.11	23.25	23.05		
100	QPSK	1	137	23.13	23.12	22.94	24.0	0.0
100	QPSK	1	271	23.01	23.08	22.85		
100	QPSK	135	6	23.10	23.18	23.01	24.0	0.0
100	QPSK	135	6	23.14	23.16	22.96	24.0	0.0
100	QPSK	135	136	23.07	23.17	22.95	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90		
100	16QAM	1	1	23.05	23.08	22.86	24.0	0.0
100	16QAM	1	1	23.02	23.04	22.87	24.0	0.0
100	16QAM	1	1	23.12	23.81	23.50	24.0	1.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.11	23.16	22.90	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.10	23.22	22.90	24.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.06	23.17	22.97	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.14	23.18	22.97	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.08	23.23	22.87	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	23.05	23.23	22.85	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.07	23.22	22.91	24.0	0.0
Channel								
Frequency (MHz)								
35	QPSK	1	1	23.13	23.25	22.97	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.14	23.17	22.95	24.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.11	23.23	22.87	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.12	23.24	22.91	24.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.07	23.21	22.85	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.08	23.19	22.86	24.0	0.0

n48 Part96 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
48	PSSBPSK	1	1	22.44	22.50	22.47			
48	PSSBPSK	1	53	22.21	22.50	22.34	24.0	0.0	
48	PSSBPSK	1	104	22.30	22.47	22.29			
48	PSSBPSK	50	0	21.80	22.13	21.88	23.5	0.0	
48	PSSBPSK	50	50	22.44	22.50	22.43	24.0	0.0	
48	PSSBPSK	50	50	21.90	22.09	21.87	23.5	0.0	
48	PSSBPSK	100	0	21.87	22.21	21.89			
48	QPSK	1	1	22.51	22.18	22.65			
48	QPSK	1	53	22.28	22.57	22.34	24.0	0.0	
48	QPSK	1	104	22.31	22.37	22.29			
48	QPSK	50	0	21.44	21.88	21.50	23.0	1.0	
48	QPSK	50	50	22.44	22.54	22.26	24.0	0.0	
48	QPSK	50	50	21.50	21.88	21.50	23.0	1.0	
48	QPSK	100	0	21.50	21.70	21.53			
48	SSBQAM	1	1	21.38	21.63	21.30	23.0	1.0	
48	SSBQAM	1	1	20.04	20.23	20.08	21.5	0.5	
48	SSBQAM	1	1	18.01	18.31	18.00	18.5	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.71	22.67	22.33	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.28	22.84	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.34	22.71	22.37	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.30	22.76	22.41	24.0	0.0	

Part270 n77 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.04	23.18	23.01			
100	PSSBPSK	1	137	22.85	23.12	22.88	24.0	0.0	
100	PSSBPSK	1	271	22.80	23.08	22.85			
100	PSSBPSK	100	0	22.50	22.79	22.50	24.0	0.0	
100	PSSBPSK	100	40	23.10	23.20	23.00	20.0	0.0	
100	PSSBPSK	100	100	22.62	22.72	22.44	24.0	0.0	
100	PSSBPSK	270	0	22.50	22.74	22.35			
100	QPSK	1	137	23.08	23.13	23.05	24.0	0.0	
100	QPSK	1	271	23.07	23.11	23.01			
100	QPSK	100	0	23.11	23.18	23.08	24.0	0.0	
100	QPSK	100	40	23.20	23.24	23.00	20.0	0.0	
100	QPSK	100	100	22.60	22.18	23.00	24.0	0.0	
100	QPSK	270	0	23.14	23.10	22.91			
100	SSBQAM	1	1	23.03	23.16	22.90	24.0	0.0	
100	SSBQAM	1	1	23.00	23.10	23.00	24.0	0.0	
100	SSBQAM	1	1	21.72	21.80	21.50	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.97	23.21	22.91	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.90	23.27	22.90	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.87	23.23	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.82	23.18	22.84	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.69	23.21	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.50	23.28	22.50	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.44	23.24	22.44	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.44	23.20	22.40	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.04	23.23	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.05	23.22	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.01	23.21	22.00	24.0	0.0	

Part27Q n77 Ant 2									
BW [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PSSBPSK	1	1	23.00	23.00	23.00			
100	PSSBPSK	1	137	23.30	23.30	23.30	24.0	0.0	
100	PSSBPSK	1	271	23.18	23.18	23.18			
100	PSSBPSK	100	0	22.93	22.93	22.93	24.0	0.0	
100	PSSBPSK	100	40	23.00	23.00	23.00	24.0	0.0	
100	PSSBPSK	100	100	22.70	22.70	22.70			
100	PSSBPSK	270	0	22.80	22.80	22.80	24.0	0.0	
100	QPSK	1	1	23.23	23.23	23.23			
100	QPSK	1	137	23.22	23.22	23.22	24.0	0.0	
100	QPSK	1	271	23.27	23.27	23.27			
100	QPSK	100	0	23.12	23.12	23.12	24.0	0.0	
100	QPSK	100	40	23.00	23.00	23.00	24.0	0.0	
100	QPSK	100	100	23.20	23.20	23.20			
100	QPSK	270	0	23.31	23.31	23.31	24.0	0.0	
100	SSBQAM	1	1	23.31	23.31	23.31	24.0	0.0	
100	SSBQAM	1	1	22.00	22.00	22.00	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.26	23.26	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.03	23.03	23.03	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.28	23.28	23.28	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.31	23.31	23.31	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.28	23.28	23.28	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.30	23.30	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.30	23.30	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.30	23.33	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.31	23.38	23.33	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.34	23.38	23.37	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.32	23.37	23.31	24.0	0.0	

Part27O n78 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Power Max Ch. 2 (W)	Turn-up time (dBm)	MPK (dB)
Channel									
Frequency (MHz)									
3750 3750 3750									
100	PL2-BPSK	1	1	22.22					
100	PL2-BPSK	1	137	22.15				24.0	0.0
100	PL2-BPSK	1	271	22.03					
100	PL2-BPSK	135	0	22.03				24.0	0.0
100	PL2-BPSK	135	0	22.20				24.0	0.0
100	PL2-BPSK	135	136	22.04					
100	PL2-BPSK	270	0	22.15				24.0	0.0
100	QPSK	1	1	22.07					
100	QPSK	1	137	22.06				24.0	0.0
100	QPSK	1	271	22.12					
100	QPSK	135	0	22.20				24.0	0.0
100	QPSK	135	0	22.24				24.0	0.0
100	QPSK	135	136	22.21				24.0	0.0
100	QPSK	270	0	22.19				24.0	0.0
100	SSB-QAM	1	1	22.15				24.0	0.0
100	SSB-QAM	1	1	22.04				24.0	0.0
100	SSB-QAM	1	1	22.01				22.0	1.5
Channel									
Frequency (MHz)									
849000 849000 849000									
90	QPSK	1	1	22.12	22.21	22.20		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
80	QPSK	1	1	22.23	22.17	22.20		24.0	0.0
Channel									
Frequency (MHz)									
3750 3750 3750									
70	QPSK	1	1	22.15	22.14	22.15		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
80	QPSK	1	1	22.20	22.14	22.14		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
50	QPSK	1	1	22.17	22.13	22.15		24.0	0.0
Channel									
Frequency (MHz)									
849000 849000 849000									
40	QPSK	1	1	22.17	22.19	22.20		24.0	0.0
Channel									
Frequency (MHz)									
3750 3750 3750									
30	QPSK	1	1	22.12	22.12	22.12		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
25	QPSK	1	1	22.22	22.14	22.17		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
20	QPSK	1	1	22.19	22.22	22.21		24.0	0.0
Channel									
Frequency (MHz)									
849168 849000 849000									
15	QPSK	1	1	22.19	22.19	22.11		24.0	0.0
Channel									
Frequency (MHz)									
3750 3750 3750									
10	QPSK	1	1	22.23	22.22	22.10		24.0	0.0

Part27Q n78 Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Power High Ch. 2 (W)	Turn-up time (dBm)	MPK (dB)
Channel									
Frequency (MHz)									
3750 3750 3750									
100	PL2-BPSK	1	1	22.21					
100	PL2-BPSK	1	137	22.25				24.0	0.0
100	PL2-BPSK	1	271	22.11					
100	PL2-BPSK	135	0	22.03				24.0	0.0
100	PL2-BPSK	135	0	22.22				24.0	0.0
100	PL2-BPSK	135	136	22.05				24.0	0.0
100	PL2-BPSK	270	0	22.04					
100	QPSK	1	1	22.05					
100	QPSK	1	137	22.11				24.0	0.0
100	QPSK	1	271	22.21					
100	QPSK	135	0	22.19				24.0	0.0
100	QPSK	135	0	22.20				24.0	0.0
100	QPSK	135	136	22.19				24.0	0.0
100	QPSK	270	0	22.24				24.0	0.0
100	SSB-QAM	1	1	22.15				24.0	0.0
100	SSB-QAM	1	1	22.13				24.0	0.0
100	SSB-QAM	1	1	22.00				22.0	1.5
Channel									
Frequency (MHz)									
849000 849334 849000									
90	QPSK	1	1	22.16	22.25	22.21		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
80	QPSK	1	1	22.26	22.20	22.22		24.0	0.0
Channel									
Frequency (MHz)									
3460.01 3460.01 3460.01									
70	QPSK	1	1	22.18	22.24	22.21		24.0	0.0
Channel									
Frequency (MHz)									
849334 849000 849000									
80	QPSK	1	1	22.25	22.17	22.18		24.0	0.0
Channel									
Frequency (MHz)									
849000 849334 849000									
90	QPSK	1	1	22.27	22.22	22.24		24.0	0.0
Channel									
Frequency (MHz)									
849334 849334 849334									
40	QPSK	1	1	22.19	22.18	22.20		24.0	0.0
Channel									
Frequency (MHz)									
3460.01 3460.01 3460.01									
30	QPSK	1	1	22.17	22.18	22.20		24.0	0.0
Channel									
Frequency (MHz)									
849334 849334 849334									
25	QPSK	1	1	22.27	22.24	22.17		24.0	0.0
Channel									
Frequency (MHz)									
849000 849334 849000									
20	QPSK	1	1	22.24	22.18	22.20		24.0	0.0
Channel									
Frequency (MHz)									
849334 849334 849168									
15	QPSK	1	1	22.24	22.18	22.19		24.0	0.0
Channel									
Frequency (MHz)									
3460.01 3460.01 3460.01									
10	QPSK	1	1	22.26	22.17	22.17		24.0	0.0

n48 Part96 Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3600	3624.96	3649.96		
Frequency (MHz)								
40	PV2 BPSK	1	1	22.31	22.40	22.38	24.0	0.0
40	PV2 BPSK	1	53	22.20	22.44	22.22		
40	PV2 BPSK	1	104	22.18	22.31	22.24		
40	PV2 BPSK	50	0	21.84	22.11	21.95		
40	PV2 BPSK	50	28	22.33	22.34	22.35	23.5	0.0
40	PV2 BPSK	50	56	21.87	21.99	21.82	23.5	0.5
40	PV2 BPSK	100	0	21.76	22.12	21.79		
40	QPSK	1	1	22.42	22.70	22.38		
40	QPSK	1	53	22.29	22.48	22.26		
40	QPSK	1	104	22.25	22.46	22.15	24.0	0.0
40	QPSK	50	0	21.39	21.65	21.45	23.0	1.0
40	QPSK	50	28	22.18	22.42	22.12	24.0	0.0
40	QPSK	50	56	21.31	21.62	21.32	23.0	1.0
40	QPSK	100	0	21.47	21.71	21.36	23.0	1.0
40	16QAM	1	1	21.21	21.51	21.31	23.0	1.0
40	64QAM	1	1	19.98	20.17	20.02	21.5	2.5
40	256QAM	1	1	18.00	18.28	18.00	19.5	4.5
Channel				6370.00	6410.66	6450.66	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3965.02	3924.99	3984.99		
30	QPSK	1	1	22.34	22.59	22.24	24.0	0.0
Channel				6373.34	6410.66	6460.00	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3963.61	3934.99	3999.00		
20	QPSK	1	1	22.30	22.65	22.25	24.0	0.0
Channel				6371.68	6410.66	6461.66	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3957.62	3934.99	3992.49		
10	QPSK	1	1	22.28	22.60	22.34	24.0	0.0
Channel				6370.00	6410.66	6463.32	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3955.00	3934.99	3994.98		
10	QPSK	1	1	22.33	22.61	22.33	24.0	0.0

Part27O n77 Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 650000	Power Middle Ch. / Freq. 650000	Power High Ch. / Freq. 650000	Tune-up limit (dBm)	MPR (dB)
Channel				3705	3840	3930	23.0	0.0
Frequency (MHz)								
100	PV2 BPSK	1	1	21.65	21.80	21.63		
100	PV2 BPSK	1	137	21.67	21.77	21.54		
100	PV2 BPSK	1	271	21.57	21.76	21.58	23.0	0.0
100	PV2 BPSK	135	0	21.21	21.39	21.23		
100	PV2 BPSK	135	69	21.68	21.96	21.63		
100	PV2 BPSK	135	138	21.13	21.40	21.09		
100	PV2 BPSK	270	0	21.18	21.35	21.05	23.0	0.0
100	QPSK	1	1	21.70	22.05	21.71		
100	QPSK	1	137	21.62	21.78	21.62		
100	QPSK	1	271	21.71	21.84	21.62		
100	QPSK	135	0	21.89	21.88	21.74	23.0	0.0
100	QPSK	135	69	21.89	22.01	21.61	23.0	0.0
100	QPSK	135	138	21.79	21.92	21.74	23.0	0.0
100	QPSK	270	0	21.77	21.82	21.65	23.0	0.0
100	16QAM	1	1	21.74	21.81	21.59	23.0	0.0
100	64QAM	1	1	21.71	21.82	21.73	23.0	0.0
100	256QAM	1	1	20.46	20.61	20.30	21.5	1.5
Channel				650688	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3935.01	(dBm)	(dB)
90	QPSK	1	1	21.63	21.90	21.56	23.0	0.0
Channel				649334	650000	650968	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3940.02	(dBm)	(dB)
80	QPSK	1	1	21.65	22.00	21.62	23.0	0.0
Channel				648000	650000	650000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	QPSK	1	1	21.55	21.97	21.57	23.0	0.0
Channel				648968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3840	3950.01	(dBm)	(dB)
60	QPSK	1	1	21.63	21.93	21.63	23.0	0.0
Channel				648334	650000	650368	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3955.02	(dBm)	(dB)
50	QPSK	1	1	21.56	21.93	21.55	23.0	0.0
Channel				648000	650000	650400	Tune-up limit	MPR
Frequency (MHz)				3724	3840	3959	(dBm)	(dB)
40	QPSK	1	1	21.60	21.91	21.63	23.0	0.0
Channel				647668	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3955.01	(dBm)	(dB)
30	QPSK	1	1	21.65	21.97	21.63	23.0	0.0
Channel				647500	650000	650450	Tune-up limit	MPR
Frequency (MHz)				3712.5	3840	3967.5	(dBm)	(dB)
25	QPSK	1	1	21.57	21.98	21.61	23.0	0.0
Channel				647334	650000	650468	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3979.02	(dBm)	(dB)
20	QPSK	1	1	21.64	21.93	21.59	23.0	0.0
Channel				647168	650000	650434	Tune-up limit	MPR
Frequency (MHz)				3707.62	3840	3972.51	(dBm)	(dB)
15	QPSK	1	1	21.63	21.98	21.55	23.0	0.0
Channel				647000	650000	650500	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	QPSK	1	1	21.65	21.92	21.63	23.0	0.0

Part27Q n77 Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PV2 BPSK	1	1	21.61	21.88		23.0	0.0
100	PV2 BPSK	1	137	21.67	21.77			
100	PV2 BPSK	1	271	21.57	21.76			
100	PV2 BPSK	135	0	21.21	21.39			
100	PV2 BPSK	135	69	21.68	21.96		23.0	0.0
100	PV2 BPSK	135	138	21.13	21.40		23.0	0.0
100	PV2 BPSK	270	0	21.18	21.35		23.0	0.0
100	QPSK	1	1	22.12				
100	QPSK	1	137	21.88			23.0	0.0
100	QPSK	1	271	21.84				
100	QPSK	135	0	21.89				
100	QPSK	135	69	22.09				
100	QPSK	135	138	21.79			23.0	0.0
100	QPSK	270	0	21.91			23.0	0.0
100	16QAM	1	1	21.74			23.0	0.0
100	64QAM	1	1	21.71			23.0	0.0
100	256QAM	1	1	20.69			21.5	1.5
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	21.97	22.00	21.96	23.0	0.0
Channel				632068	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3480.00	3500.01	3510.01	(dBm)	(dB)
80	QPSK	1	1	22.03	22.00	22.00	23.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	21.68	21.69	22.03	23.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3505.02	(dBm)	(dB)
60	QPSK	1	1	21.97	21.96	22.06	23.0	0.0
Channel				631504	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	21.96	21.98	21.97	23.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3480.01	3500.01	3510.01	(dBm)	(dB)
40	QPSK	1	1	22.03	22.07	22.06	23.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3485	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	22.07	21.97	22.08	23.0	0.0
Channel				630500	633334	635934	Tune-up limit	MPR
Frequency (MHz)				3482.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	22.07	21.96	22.04	23.0	0.0
Channel				630068	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3480.00	3500.01	3540.00	(dBm)	(dB)
20	QPSK	1	1	21.97	21.98	22.08	23.0	0.0
Channel				630000	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3475.00	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	21.96	22.01	22.05	23.0	0.0
Channel				630000	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	22.01	22.08	22.07	23.0	0.0

Part270 n78 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		22.36		23.0	0.0	
100	Pi2 BPSK	1	137		22.24				
100	Pi2 BPSK	1	271		22.18				
100	Pi2 BPSK	135	0		22.06		23.0	0.0	
100	Pi2 BPSK	135	69		22.41		23.0	0.0	
100	Pi2 BPSK	135	138		22.04		23.0	0.0	
100	Pi2 BPSK	270	0		22.05		23.0	0.0	
100	QPSK	1	1		22.45		23.0	0.0	
100	QPSK	1	137		22.22				
100	QPSK	1	271		22.31				
100	QPSK	135	0		22.31		23.0	0.0	
100	QPSK	135	69		22.38		23.0	0.0	
100	QPSK	135	138		22.33		23.0	0.0	
100	QPSK	270	0		22.23		23.0	0.0	
100	16QAM	1	1		22.21		23.0	0.0	
100	64QAM	1	1		22.28		23.0	0.0	
100	256QAM	1	1		21.04		21.5	1.5	
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1	22.42	22.32	22.37	23.0	0.0	
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3748.01	3750	3760.02			
80	QPSK	1	1	22.31	22.41	22.42	23.0	0.0	
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	22.34	22.35	22.33	23.0	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3738.02	3750	3770.01			
60	QPSK	1	1	22.40	22.41	22.39	23.0	0.0	
Channel				643334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1	22.30	22.42	22.33	23.0	0.0	
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	22.38	22.33	22.33	23.0	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	22.36	22.38	22.34	23.0	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	22.37	22.39	22.30	23.0	0.0	
Channel				647334	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	22.39	22.33	22.37	23.0	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.02	3750	3792.01			
15	QPSK	1	1	22.40	22.38	22.42	23.0	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	22.34	22.34	22.31	23.0	0.0	

Part27Q n78 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Max Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						633334			
Frequency (MHz)						3550.01			
100	Pi2 BPSK	1	1		22.07		23.0	0.0	
100	Pi2 BPSK	1	137		21.94				
100	Pi2 BPSK	1	271		21.91				
100	Pi2 BPSK	135	0		21.64		23.0	0.0	
100	Pi2 BPSK	135	69		22.14		23.0	0.0	
100	Pi2 BPSK	135	138		21.64		23.0	0.0	
100	Pi2 BPSK	270	0		21.56		23.0	0.0	
100	QPSK	1	1		22.19		23.0	0.0	
100	QPSK	1	137		21.86				
100	QPSK	1	271		22.04				
100	QPSK	135	0		22.07		23.0	0.0	
100	QPSK	135	69		22.11		23.0	0.0	
100	QPSK	135	138		22.06		23.0	0.0	
100	QPSK	270	0		22.04		23.0	0.0	
100	16QAM	1	1		22.00		23.0	0.0	
100	64QAM	1	1		21.97		23.0	0.0	
100	256QAM	1	1		20.76		21.5	1.5	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1	22.13	22.11	22.10	23.0	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3503			
80	QPSK	1	1	22.09	22.03	22.04	23.0	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3496.01	3500.01	3515.01			
70	QPSK	1	1	22.07	22.13	22.13	23.0	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	3500.01	3520.02			
60	QPSK	1	1	22.15	22.11	22.06	23.0	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1	22.06	22.12	22.07	23.0	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	22.09	22.13	22.10	23.0	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1	22.07	22.03	22.07	23.0	0.0	
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	22.10	22.12	22.11	23.0	0.0	
Channel				630368	633334	636300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	22.11	22.12	22.08	23.0	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3457.5	3500.01	3542.51			
15	QPSK	1	1	22.11	22.09	22.06	23.0	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1	22.05	22.08	22.13	23.0	0.0	

n48 Part96 Ant 6									
BV [MHz]	Modulation	RB Size	RB Offset	Power Low 161000	Power Ant 161600	Power High 164300	Turn-on time [dBm]	MPE [dB]	
Channel									
Frequency [MHz]									
48	PUS-BPSK	1	1	22.48	22.66	22.48			
48	PUS-BPSK	1	53	22.55	22.59	22.58	24.0	0.0	
48	PUS-BPSK	1	104	22.58	22.47	22.58			
48	PUS-BPSK	50	0	22.01	22.23	22.08	23.5	0.5	
48	PUS-BPSK	50	50	22.43	22.06	22.25	24.0	0.0	
48	PUS-BPSK	50	50	21.97	22.19	21.93	23.5	0.5	
48	PUS-BPSK	100	0	21.95	22.21	21.93			
48	QPSK	1	1	22.54	22.61	22.53			
48	QPSK	1	53	22.59	22.58	22.44	24.0	0.0	
48	QPSK	1	104	22.41	22.00	22.23			
48	QPSK	50	0	21.51	21.78	21.58	23.0	1.0	
48	QPSK	50	50	21.47	21.66	21.57	24.0	0.0	
48	QPSK	50	50	21.47	21.74	21.57	23.0	1.0	
48	QPSK	100	0	21.62	21.81	21.58			
48	SSB-QAM	1	1	21.42	21.05	21.43	23.0	1.0	
48	SSB-QAM	1	1	20.54	20.32	20.18	21.5	2.5	
48	SSB-QAM	1	1	18.11	18.36	18.12	18.5	4.5	
Channel									
Frequency [MHz]									
50	QPSK	1	1	22.45	22.74	22.40	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.41	22.71	22.48	24.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	22.40	22.68	22.39	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.43	22.73	22.43	24.0	0.0	

Part270 n77 Ant 6									
BV [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PUS-BPSK	1	1	22.08	22.12	22.05			
100	PUS-BPSK	1	137	22.19	22.02	22.10	24.0	0.0	
100	PUS-BPSK	1	271	22.17	22.03	22.10			
100	PUS-BPSK	100	0	22.50	22.58	22.22	24.0	0.0	
100	PUS-BPSK	100	40	22.01	22.13	22.12	24.0	0.0	
100	PUS-BPSK	100	104	22.03	22.06	22.03	24.0	0.0	
100	PUS-BPSK	270	0	22.26	22.53	22.17			
100	QPSK	1	1	22.51	22.16	22.17			
100	QPSK	1	137	22.07	22.08	22.08	24.0	0.0	
100	QPSK	1	271	22.02	22.02	22.15			
100	QPSK	100	0	23.01	22.58	22.50	24.0	0.0	
100	QPSK	100	40	22.03	22.06	22.03	24.0	0.0	
100	QPSK	100	104	22.03	22.03	22.04	24.0	0.0	
100	QPSK	270	0	22.04	22.58	22.14			
100	SSB-QAM	1	1	22.08	22.05	22.05	24.0	0.0	
100	SSB-QAM	1	1	22.09	22.08	22.02	24.0	0.0	
100	SSB-QAM	1	1	21.18	21.71	21.44	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.50	22.08	22.54	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.04	22.08	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.06	22.07	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.02	22.10	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.02	22.10	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.05	22.03	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.02	22.11	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.19	22.05	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.09	22.05	22.03	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.03	22.14	22.02	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.11	22.04	22.03	24.0	0.0	

Part270 n77 PC2 Ant 6									
BV [kHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Turnup time (dBm)	MPE (dB)	
Channel									
Frequency (MHz)									
100	PUS-BPSK	1	1	25.17	25.18	25.08			
100	PUS-BPSK	1	137	25.78	26.17	25.78	27.0	0.0	
100	PUS-BPSK	1	271	25.69	25.23	25.70			
100	PUS-BPSK	100	0	25.38	25.83	25.20	26.5	0.5	
100	PUS-BPSK	100	40	25.01	25.29	25.09	27.0	0.0	
100	PUS-BPSK	100	104	25.31	25.76	25.39	26.5	0.5	
100	PUS-BPSK	270	0	25.31	25.77	25.34			
100	QPSK	1	1	25.89	25.86	25.80			
100	QPSK	1	137	25.72	26.17	25.78	27.0	0.0	
100	QPSK	1	271	25.05	25.03	25.73			
100	QPSK	100	0	24.83	25.48	24.69	26.0	1.0	
100	QPSK	100	40	25.24	25.24	25.29	27.0	0.0	
100	QPSK	100	104	24.84	25.31	24.83	26.0	1.0	
100	SSB-QAM	1	1	24.81	25.22	24.80	26.0	1.0	
100	SSB-QAM	1	1	23.38	23.65	23.48	24.5	2.5	
100	SSB-QAM	1	1	21.45	21.62	21.48	22.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.12	26.24	26.10	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	25.81	26.30	25.84	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	25.76	26.22	25.87	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	25.19	25.23	25.11	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	25.79	26.23	25.68	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	25.76	26.28	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.12	25.24	25.12	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	25.13	25.28	25.14	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	25.73	26.31	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	25.76	26.21	25.65	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	25.75	26.20	25.53	27.0	0.0	

Part27Q n77 Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
633334								
100	PL2-BPSK	1	1	23.49				
100	PL2-BPSK	1	137	23.37			24.0	0.0
100	PL2-BPSK	1	271	23.31				
100	PL2-BPSK	135	0	22.92			24.0	0.0
100	PL2-BPSK	135	0	22.46			24.0	0.0
100	PL2-BPSK	135	136	22.87			24.0	0.0
100	PL2-BPSK	270	0	22.89				
100	QPSK	1	1	23.33				
100	QPSK	1	137	23.30			24.0	0.0
100	QPSK	1	271	23.22				
100	QPSK	135	0	23.29			24.0	0.0
100	QPSK	135	0	22.46			24.0	0.0
100	QPSK	135	136	23.29			24.0	0.0
100	QPSK	270	0	23.23			24.0	0.0
100	SSB-QAM	1	1	23.22			24.0	0.0
100	SSB-QAM	1	1	23.19			24.0	0.0
100	SSB-QAM	1	1	23.11			24.0	1.5
Channel								
Frequency (MHz)								
633090 633334 633688								
90	QPSK	1	1	23.45	23.46	23.45	24.0	0.0
Channel								
Frequency (MHz)								
633090 633334 634000								
80	QPSK	1	1	23.48	23.47	23.49	24.0	0.0
Channel								
Frequency (MHz)								
633224 633334 633458								
70	QPSK	1	1	23.41	23.48	23.45	24.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
60	QPSK	1	1	23.49	23.38	23.40	24.0	0.0
Channel								
Frequency (MHz)								
633688 633334 633090								
50	QPSK	1	1	23.41	23.38	23.47	24.0	0.0
Channel								
Frequency (MHz)								
633334 633334 633334								
40	QPSK	1	1	23.42	23.38	23.44	24.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
30	QPSK	1	1	23.43	23.41	23.39	24.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
25	QPSK	1	1	23.37	23.45	23.45	24.0	0.0
Channel								
Frequency (MHz)								
633688 633334 633090								
20	QPSK	1	1	23.47	23.44	23.46	24.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
15	QPSK	1	1	23.38	23.46	23.46	24.0	0.0
Channel								
Frequency (MHz)								
633334 633334 633334								
10	QPSK	1	1	23.45	23.37	23.45	24.0	0.0

Part27Q n77 PC2 Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (mW)	Power Max Ch. 1 (mW)	Power High Ch. 1 (mW)	Turn-up time (dBm)	MPN (dB)
Channel								
Frequency (MHz)								
633334								
100	PL2-BPSK	1	1	23.36				
100	PL2-BPSK	1	137	23.33			27.0	0.0
100	PL2-BPSK	1	271	23.28				
100	PL2-BPSK	135	0	23.97			28.5	0.0
100	PL2-BPSK	135	0	23.57			27.0	0.0
100	PL2-BPSK	135	136	23.89			28.5	0.0
100	PL2-BPSK	270	0	23.86				
100	QPSK	1	1	23.46				
100	QPSK	1	137	23.32			27.0	0.0
100	QPSK	1	271	23.13				
100	QPSK	135	0	23.59			28.0	1.0
100	QPSK	135	0	22.46			27.0	0.0
100	QPSK	135	136	23.45			28.0	1.0
100	QPSK	270	0	23.38			28.0	1.0
100	SSB-QAM	1	1	23.36			28.0	1.0
100	SSB-QAM	1	1	23.49			28.5	2.0
100	SSB-QAM	1	1	23.00			27.5	4.0
Channel								
Frequency (MHz)								
633090 633334 633688								
90	QPSK	1	1	23.39	23.36	23.32	27.0	0.0
Channel								
Frequency (MHz)								
633090 633334 634000								
80	QPSK	1	1	23.31	23.34	23.33	27.0	0.0
Channel								
Frequency (MHz)								
633224 633334 633458								
70	QPSK	1	1	23.39	23.35	23.31	27.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
60	QPSK	1	1	23.31	23.41	23.40	27.0	0.0
Channel								
Frequency (MHz)								
633688 633334 633090								
50	QPSK	1	1	23.40	23.30	23.37	27.0	0.0
Channel								
Frequency (MHz)								
633334 633334 633334								
40	QPSK	1	1	23.32	23.32	23.41	27.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
30	QPSK	1	1	23.39	23.36	23.32	27.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
25	QPSK	1	1	23.30	23.40	23.39	27.0	0.0
Channel								
Frequency (MHz)								
633688 633334 633090								
20	QPSK	1	1	23.38	23.38	23.38	27.0	0.0
Channel								
Frequency (MHz)								
633090 633334 633688								
15	QPSK	1	1	23.39	23.34	23.35	27.0	0.0
Channel								
Frequency (MHz)								
633334 633334 633334								
10	QPSK	1	1	23.36	23.37	23.33	27.0	0.0

Part270 n78 Ant 6									
RF (MHz)	Modulation	RIS Size	RF Out	Power Power Power	Power Power Power	Power Power Power	Output Input	Gain Loss	dB (dB)
				Watts Watts Watts	Watts Watts Watts	Watts Watts Watts	dBm dBm dBm	dBm dBm dBm	
100	Frequency	100	1	37.00	37.00	37.00	37.00	37.00	0.0
100	Channel	100	1	37.00	37.00	37.00	37.00	37.00	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	14.7	14.7	14.7	14.7	14.7	0.0
100	Power	100	1	27.1	27.1	27.1	27.1	27.1	0.0
100	Power	100	1	1.0	1.0	1.0	1.0	1.0	0.0
100	Power	100	1	6.6	6.6	6.6	6.6	6.6	0.0
100	Power	100	1	5.8	5.8	5.8	5.8	5.8	0.0
100	Power	100	1	27.0	27.0	27.0	27.0	27.0</	

[illegible]

Part27Q n78 Ant 6							
SR [MHz]	Modulation	RB Size	RB Offset	Power Ch. 1 [dBm]	Power Ch. 2 [dBm]	Power Ch. 3 [dBm]	Power Ch. 4 [dBm]
Frequency [MHz]							
100	PSK25Q	1	0	23.05	23.05		
100	PSK25Q	1	137	23.54		24.0	0.0
100	PSK25Q	1	271				0.0
100	PSK25Q	150	271			24.0	0.0
100	PSK25Q	150	65	23.62		24.0	0.0
100	PSK25Q	150	0	23.03			0.0
100	PSK25Q	271	0	23.02			0.0
100	PSK25Q	1	0	23.05			0.0
100	QPSK	1	137	23.55		24.0	0.0
100	QPSK	1	271				0.0
100	QPSK	150	271			24.0	0.0
100	QPSK	150	65	23.57		24.0	0.0
100	QPSK	150	0	23.04			0.0
100	QPSK	271	0	23.48			0.0
100	16QAM	1	0	23.48			0.0
100	16QAM	1	137	23.20			0.0
100	16QAM	1	271	22.25		22.5	1.5
Frequency [MHz]							
90	QPSK	1	0	23.05	23.05	23.02	24.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0
90	QPSK	150	0	23.03			0.0
90	QPSK	271	0	23.02			0.0
90	QPSK	1	0	23.05			0.0
90	QPSK	1	137	23.54		24.0	0.0
90	QPSK	1	271				0.0
90	QPSK	150	271			23.95	0.0
90	QPSK	150	65	23.62		24.0	0.0</

[illegible]

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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)								
40	PV2 BPSK	1	1	18.01	18.96	18.91	20.1	0.0
40	PV2 BPSK	1	53	18.81	18.87	18.82		
40	PV2 BPSK	1	104	18.86	18.90	18.73		
40	PV2 BPSK	50	0	19.03	19.08	18.97	20.1	0.0
40	PV2 BPSK	50	28	18.90	19.02	18.77	20.1	0.0
40	PV2 BPSK	50	56	18.79	18.98	18.77	20.1	0.0
40	PV2 BPSK	100	0	18.78	18.83	18.88	20.1	0.0
40	QPSK	1	1	19.08	19.19	19.05	20.1	0.0
40	QPSK	1	53	18.86	18.11	18.87		
40	QPSK	1	104	19.02	19.07	19.08		
40	QPSK	50	0	18.86	18.77	18.75	20.1	0.0
40	QPSK	50	28	18.76	19.10	18.83	20.1	0.0
40	QPSK	50	56	18.77	18.74	18.79	20.1	0.0
40	QPSK	100	0	18.50	18.85	18.71	20.1	0.0
40	16QAM	1	1	18.81	18.85	18.80	20.1	0.0
40	64QAM	1	1	18.87	18.81	18.72	20.1	0.0
40	256QAM	1	1	17.38	17.58	17.43	18.0	1.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.53	19.07	19.01	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.98	19.12	18.91	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.04	18.14	18.02	20.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.94	19.15	18.96	20.1	0.0

Part27O n77 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)								
100	PV2 BPSK	1	1	16.52	16.44	16.44	18.0	0.0
100	PV2 BPSK	1	137	16.45	16.39	16.38		
100	PV2 BPSK	1	271	16.37	16.38	16.28		
100	PV2 BPSK	135	0	16.49	16.57	16.35	18.0	0.0
100	PV2 BPSK	135	69	16.31	16.44	16.26	18.0	0.0
100	PV2 BPSK	135	138	16.37	16.51	16.25	18.0	0.0
100	PV2 BPSK	270	0	16.35	16.48	16.29	18.0	0.0
100	QPSK	1	1	16.48	16.67	16.43	18.0	0.0
100	QPSK	1	137	16.47	16.58	16.48		
100	QPSK	1	271	16.42	16.56	16.57		
100	QPSK	135	0	16.21	16.27	16.29	18.0	0.0
100	QPSK	135	69	16.41	16.52	16.47	18.0	0.0
100	QPSK	135	138	16.30	16.11	16.22	18.0	0.0
100	QPSK	270	0	16.08	16.32	16.20	18.0	0.0
100	16QAM	1	1	16.36	16.48	16.32	18.0	0.0
100	64QAM	1	1	16.39	16.38	16.28	18.0	0.0
100	256QAM	1	1	16.29	16.34	16.23	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.41	16.59	16.31	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.32	16.53	16.32	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.37	16.53	16.39	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.33	16.54	16.37	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.37	16.52	16.34	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.41	16.51	16.33	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.33	16.52	16.30	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.40	16.60	16.35	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.34	16.52	16.35	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.35	16.56	16.31	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.41	16.52	16.39	18.0	0.0

Part27Q n77 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)								
100	PV2 BPSK	1	1	16.30	16.30	16.30	18.0	0.0
100	PV2 BPSK	1	137	16.19				
100	PV2 BPSK	1	271	16.14				
100	PV2 BPSK	135	0	16.21			18.0	0.0
100	PV2 BPSK	135	69	16.19			18.0	0.0
100	PV2 BPSK	135	138	16.13			18.0	0.0
100	PV2 BPSK	270	0	16.20			18.0	0.0
100	QPSK	1	1	16.22	16.52		18.0	0.0
100	QPSK	1	137	16.27	16.55			
100	QPSK	1	271	16.22	16.55			
100	QPSK	135	0	16.08			18.0	0.0
100	QPSK	135	69	16.24			18.0	0.0
100	QPSK	135	138	16.09			18.0	0.0
100	QPSK	270	0	15.98			18.0	0.0
100	16QAM	1	1	16.17			18.0	0.0
100	64QAM	1	1	16.15			18.0	0.0
100	256QAM	1	1	16.02			18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.14	16.18	16.17	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.20	16.13	16.22	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.23	16.13	16.22	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.16	16.18	16.20	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.21	16.15	16.15	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.18	16.16	16.11	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.17	16.17	16.14	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.13	16.20	16.11	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.12	16.16	16.11	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.20	16.13	16.12	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.13	16.17	16.14	18.0	0.0

Part270 n78 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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.46		18.0	0.0	
100	PI/2 BPSK	1	137		16.45				
100	PI/2 BPSK	1	271		16.49				
100	PI/2 BPSK	135	0		16.53		18.0	0.0	
100	PI/2 BPSK	135	69		16.46		18.0	0.0	
100	PI/2 BPSK	135	138		16.38		18.0	0.0	
100	PI/2 BPSK	270	0		16.32		18.0	0.0	
100	QPSK	1	1		16.62		18.0	0.0	
100	QPSK	1	137		16.56				
100	QPSK	1	271		16.56				
100	QPSK	135	0		16.24		18.0	0.0	
100	QPSK	135	69		16.53		18.0	0.0	
100	QPSK	135	138		16.15		18.0	0.0	
100	QPSK	270	0		16.34		18.0	0.0	
100	16QAM	1	1		16.35		18.0	0.0	
100	64QAM	1	1		16.27		18.0	0.0	
100	256QAM	1	1		16.26		18.0	0.0	
Channel				649968	650000	650034	Tune-up limit	MPR	
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)	
90	QPSK	1	1		16.36	16.38	16.33	18.0	0.0
Channel				649334	650000	650668	Tune-up limit	MPR	
Frequency (MHz)				3748.01	3750	3750.02	(dBm)	(dB)	
80	QPSK	1	1		16.38	16.34	16.43	18.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR	
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)	
70	QPSK	1	1		16.32	16.34	16.36	18.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR	
Frequency (MHz)				3738.02	3750	3770.01	(dBm)	(dB)	
60	QPSK	1	1		16.34	16.35	16.36	18.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR	
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)	
50	QPSK	1	1		16.32	16.37	16.40	18.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR	
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)	
40	QPSK	1	1		16.42	16.32	16.33	18.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR	
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)	
30	QPSK	1	1		16.41	16.38	16.33	18.0	0.0
Channel				647500	650000	652500	Tune-up limit	MPR	
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)	
25	QPSK	1	1		16.42	16.37	16.37	18.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR	
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)	
20	QPSK	1	1		16.34	16.37	16.42	18.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR	
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)	
15	QPSK	1	1		16.35	16.35	16.42	18.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR	
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)	
10	QPSK	1	1		16.41	16.37	16.33	18.0	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					633334				
Frequency (MHz)					3500.01				
100	Pi2 BPSK	1	1		16.34		18.0	0.0	
100	Pi2 BPSK	1	137		16.20				
100	Pi2 BPSK	1	271		16.31				
100	Pi2 BPSK	135	0		16.37		18.0	0.0	
100	Pi2 BPSK	135	69		16.24		18.0	0.0	
100	Pi2 BPSK	135	138		16.19		18.0	0.0	
100	Pi2 BPSK	270	0		16.28		18.0	0.0	
100	QPSK	1	1		16.41		18.0	0.0	
100	QPSK	1	137		16.33				
100	QPSK	1	271		16.44				
100	QPSK	135	0		16.11		18.0	0.0	
100	QPSK	135	69		16.36		18.0	0.0	
100	QPSK	135	138		16.11		18.0	0.0	
100	QPSK	270	0		16.15		18.0	0.0	
100	16QAM	1	1		16.12		18.0	0.0	
100	64QAM	1	1		16.15		18.0	0.0	
100	256QAM	1	1		16.08		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit	MPR	
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)	
90	QPSK	1	1		16.26	16.23	16.18	18.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR	
Frequency (MHz)				3498.02	3500.01	3510	(dBm)	(dB)	
80	QPSK	1	1		16.21	16.25	16.26	18.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR	
Frequency (MHz)				3495.01	3500.01	3515.01	(dBm)	(dB)	
70	QPSK	1	1		16.20	16.21	16.25	18.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR	
Frequency (MHz)				3490	3500.01	3520.02	(dBm)	(dB)	
60	QPSK	1	1		16.30	16.20	16.23	18.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR	
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)	
50	QPSK	1	1		16.25	16.19	16.26	18.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR	
Frequency (MHz)				3478.01	3500.01	3528.01	(dBm)	(dB)	
40	QPSK	1	1		16.21	16.20	16.16	18.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR	
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)	
30	QPSK	1	1		16.26	16.30	16.19	18.0	0.0
Channel				630634	633334	635934	Tune-up limit	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)	
25	QPSK	1	1		16.26	16.21	16.20	18.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR	
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)	
20	QPSK	1	1		16.19	16.20	16.18	18.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR	
Frequency (MHz)				3462.5	3500.01	3542.52	(dBm)	(dB)	
15	QPSK	1	1		16.21	16.20	16.18	18.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)	
10	QPSK	1	1		16.22	16.27	16.25	18.0	0.0

n41 PC2&3 Ant 10								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				500202	518998	538000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.26	23.32	23.21		
100	PI/2 BPSK	1	137	23.16	23.26	23.22	23.7	0.0
100	PI/2 BPSK	1	271	23.13	23.25	23.19		
100	PI/2 BPSK	135	0	22.83	23.00	22.84	23.7	0.0
100	PI/2 BPSK	135	69	23.19	23.38	23.27	23.7	0.0
100	PI/2 BPSK	135	138	22.71	22.88	22.72	23.7	0.0
100	PI/2 BPSK	270	0	22.64	22.86	22.67		
100	QPSK	1	1	23.30	23.52	23.38		
100	QPSK	1	137	23.45	23.34	23.09	23.7	0.0
100	QPSK	1	271	23.23	23.25	23.17		
100	QPSK	135	0	23.33	23.43	23.28	23.7	0.0
100	QPSK	135	69	23.30	23.45	23.15	23.7	0.0
100	QPSK	135	138	23.28	23.35	23.15		
100	QPSK	270	0	23.28	23.35	23.07	23.7	0.0
100	16QAM	1	1	23.25	23.23	23.06	23.7	0.0
100	64QAM	1	1	23.15	23.31	23.28	23.7	0.0
100	256QAM	1	1	21.98	22.00	21.78	22.5	1.2
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.15	23.41	23.26	23.7	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	23.24	23.46	23.30	23.7	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.17	23.38	23.27	23.7	0.0
Channel				509200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.17	23.44	23.27	23.7	0.0
Channel				504204	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.21	23.44	23.28	23.7	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.24	23.47	23.27	23.7	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.18	23.45	23.23	23.7	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.25	23.36	23.29	23.7	0.0
Channel				500700	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.20	23.39	23.31	23.7	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.24	23.40	23.26	23.7	0.0



Reduced Power Mode for ECI6_Other PA

n2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 314500)	Power Max Ch. 1 (Freq. 316500)	Power High Ch. 1 (Freq. 318500)	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	21.50	21.12	21.00			0.0
40	P12 BPSK	1	108	20.90	20.93	20.87	22.1		
40	P12 BPSK	1	214	20.91	20.96	20.93			
40	P12 BPSK	108	0	21.13	21.06	20.91	22.1		0.0
40	P12 BPSK	108	54	20.90	21.06	20.97			
40	P12 BPSK	108	108	20.98	21.03	20.90	22.1		0.0
40	QPSK	1	1	21.00	21.00	21.00			
40	QPSK	1	108	20.97	21.08	20.92	22.1		0.0
40	QPSK	1	214	21.00	21.06	21.00			
40	QPSK	108	0	20.71	20.87	20.77	22.1		0.0
40	QPSK	108	54	20.87	21.00	20.96	22.1		0.0
40	QPSK	108	108	20.95	20.97	20.92	22.1		0.0
40	QPSK	216	0	20.96	20.95	20.78			
40	8QAM	1	1	20.70	21.00	20.80	22.1		0.0
40	8QAM	1	1	20.14	20.39	20.34	21.0		0.0
40	8QAM	1	1	18.10	18.34	18.29	18.0		0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.00	21.10	21.00	22.1		0.0
35	QPSK	1	1	21.03	21.13	21.03	22.1		0.0
30	QPSK	1	1	20.90	21.11	20.90	22.1		0.0
30	QPSK	1	1	20.90	21.11	20.90	22.1		0.0
25	QPSK	1	1	20.90	21.17	20.99	22.1		0.0
25	QPSK	1	1	20.90	21.17	20.99	22.1		0.0
20	QPSK	1	1	20.90	21.10	21.00	22.1		0.0
20	QPSK	1	1	20.90	21.10	21.00	22.1		0.0
15	QPSK	1	1	21.00	21.17	21.00	22.1		0.0
15	QPSK	1	1	21.00	21.17	21.00	22.1		0.0
10	QPSK	1	1	21.00	21.18	21.00	22.1		0.0
10	QPSK	1	1	21.00	21.18	21.00	22.1		0.0
5	QPSK	1	1	20.97	21.18	20.98	20.0		0.0

n25 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 314500)	Power Max Ch. 1 (Freq. 316500)	Power High Ch. 1 (Freq. 318500)	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	21.51	21.13	21.04	22.1	0.0	0.0
40	P12 BPSK	1	108	20.93	20.99	20.88	22.1	0.0	0.0
40	P12 BPSK	1	214	20.90	21.01	20.94	22.1	0.0	0.0
40	P12 BPSK	108	0	21.07	21.06	20.90	22.1	0.0	0.0
40	P12 BPSK	108	54	20.88	21.04	20.97	22.1	0.0	0.0
40	P12 BPSK	108	108	20.93	21.00	20.88	22.1	0.0	0.0
40	P12 BPSK	216	0	20.97	20.92	20.91	22.1	0.0	0.0
40	QPSK	1	1	21.10	21.00	21.00	22.1	0.0	0.0
40	QPSK	1	108	21.00	21.13	20.97	22.1	0.0	0.0
40	QPSK	1	214	21.00	21.17	21.07	22.1	0.0	0.0
40	QPSK	108	0	20.79	20.80	20.70	22.1	0.0	0.0
40	QPSK	108	54	20.80	21.02	21.00	22.1	0.0	0.0
40	QPSK	108	108	20.93	20.97	20.70	22.1	0.0	0.0
40	QPSK	216	0	20.88	20.93	20.70	22.1	0.0	0.0
40	8QAM	1	1	20.80	20.84	20.80	22.1	0.0	0.0
40	8QAM	1	1	20.29	20.38	20.20	21.0	0.0	0.0
40	8QAM	1	1	18.21	18.30	18.10	18.0	0.0	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	21.50	21.11	21.00	22.1	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.00	21.11	21.00	22.1	0.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.90	21.10	20.90	22.1	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.90	21.00	21.00	22.1	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.00	21.08	21.00	22.1	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.90	21.08	20.90	22.1	0.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	21.02	21.04	20.80	22.1	0.0	0.0

n66 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 345000)	Power Max Ch. 1 (Freq. 346000)	Power High Ch. 1 (Freq. 347000)	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)									
40	P12 BPSK	1	1	19.90	20.06	19.92	21.1	0.0	0.0
40	P12 BPSK	1	108	19.91	19.90	19.84	21.1	0.0	0.0
40	P12 BPSK	1	214	19.90	19.90	19.80	21.1	0.0	0.0
40	P12 BPSK	108	0	19.99	20.10	19.93	21.1	0.0	0.0
40	P12 BPSK	108	54	19.89	19.96	19.82	21.1	0.0	0.0
40	P12 BPSK	108	108	19.79	19.92	19.80	21.1	0.0	0.0
40	P12 BPSK	216	0	19.92	19.97	19.80			
40	QPSK	1	1	20.00	20.00	19.90	21.1	0.0	0.0
40	QPSK	1	108	19.90	20.04	19.87	21.1	0.0	0.0
40	QPSK	1	214	19.90	20.00	20.00			
40	QPSK	108	0	19.71	19.88	19.80	21.1	0.0	0.0
40	QPSK	108	54	19.80	20.00	19.90	21.1	0.0	0.0
40	QPSK	108	108	19.75	19.70	19.70	21.1	0.0	0.0
40	QPSK	216	0	19.81	19.79	19.69			
40	8QAM	1	1	19.77	19.80	19.81	21.1	0.0	0.0
40	8QAM	1	1	19.77	19.81	19.67	21.1	0.0	0.0
Channel									
Frequency (MHz)									
35	QPSK	1	1	19.90	20.10	19.90	21.1	0.0	0.0
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.94	20.12	19.89	21.1	0.0	0.0
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.90	20.10	19.94	21.1	0.0	0.0
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.97	20.10	19.70	21.1	0.0	0.0
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.00	20.10	19.74	21.1	0.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.98	20.10	19.80	21.1	0.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	20.02	20.07	19.80	21.1	0.0	0.0

n70 Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 345000)	Power Max Ch. 1 (Freq. 346000)	Power High Ch. 1 (Freq. 347000)	Time-up time (dBm)	MSR (dB)
Channel								
15	Frequency	345000	0	19.2				
15	Power	345000	0	20.4				
15	Frequency	346000	1	20.2		21.1	0.0	
15	Power	346000	1	20.3				
15	Frequency	347000	2	20.3				
15	Power	347000	2	20.3		21.1	0.0	
15	Frequency	348000	3	20.3				
15	Power	348000	3	20.3		21.1	0.0	
15	Frequency	349000	4	20.4				
15	Power	349000	4	20.5				
15	Frequency	350000	5	20.5		21.5	0.0	
15	Power	350000	5	20.6				
15	Frequency	351000	6	20.5				
15	Power	351000	6	20.5		21.7	0.0	
15	Frequency	352000	7	20.6				
15	Power	352000	7	20.6		21.7	0.0	
15	Frequency	353000	8	20.6				
15	Power	353000	8	20.6		21.7	0.0	
15	Frequency	354000	9	20.7				
15	Power	354000	9	20.7		21.7	0.0	
15	Frequency	355000	10	20.7				
15	Power	355000	10	20.7		21.7	0.0	
15	Frequency	356000	11	20.8				
15	Power	356000	11	20.8		21.8	0.0	
15	Frequency	357000	12	20.8				
15	Power	357000	12	20.8		21.8	0.0	
15	Frequency	358000	13	20.9				
15	Power	358000	13	20.9		21.9	0.0	
15	Frequency	359000	14	20.9				
15	Power	359000	14	20.9		21.9	0.0	
15	Frequency	360000	15	21.0				
15	Power	360000	15	21.0		22.0	0.0	
15	Frequency	361000	16	21.0				
15	Power	361000	16	21.0		22.0	0.0	
15	Frequency	362000	17	21.1				
15	Power	362000	17	21.1		22.1	0.0	
15	Frequency	363000	18	21.1				
15	Power	363000	18	21.1		22.1	0.0	
15	Frequency	364000	19	21.2				
15	Power	364000	19	21.2		22.2	0.0	
15	Frequency	365000	20	21.2				
15	Power	365000	20	21.2		22.2	0.0	
15	Frequency	366000	21	21.3				
15	Power	366000	21	21.3		22.3	0.0	
15	Frequency	367000	22	21.3				
15	Power	367000	22	21.3		22.3	0.0	
15	Frequency	368000	23	21.4				
15	Power	368000	23	21.4		22.4	0.0	
15	Frequency	369000	24	21.4				
15	Power	369000	24	21.4		22.4	0.0	
15	Frequency	370000	25	21.5				
15	Power	370000	25	21.5		22.5	0.0	
15	Frequency	371000	26	21.5				
15	Power	371000	26	21.5		22.5	0.0	
15	Frequency	372000	27	21.6				
15	Power	372000	27	21.6		22.6	0.0	
15	Frequency	373000	28	21.6				
15	Power	373000	28	21.6		22.6	0.0	
15	Frequency	374000	29	21.7				
15	Power	374000	29	21.7		22.7	0.0	
15	Frequency	375000	30	21.7				
15	Power	375000	30	21.7		22.7	0.0	
15	Frequency	376000	31	21.8				
15	Power	376000	31	21.8		22.8	0.0	
15	Frequency	377000	32	21.8				
15	Power	377000	32	21.8		22.8	0.0	
15	Frequency	378000	33	21.9				
15	Power	378000	33	21.9		22.9	0.0	
15	Frequency	379000	34	21.9				
15	Power	379000	34	21.9		22.9	0.0	
15	Frequency	380000	35	22.0				
15	Power	380000	35	22.0		23.0	0.0	
15	Frequency	381000	36	22.0				
15	Power	381000	36	22.0		23.0	0.0	
15	Frequency	382000	37	22.1				
15	Power	382000	37	22.1		23.1	0.0	
15	Frequency	383000	38	22.1				
15	Power	383000	38	22.1		23.1	0.0	
15	Frequency	384000	39	22.2				
15	Power	384000	39	22.2		23.2	0.0	
15	Frequency	385000	40	22.2				
15	Power	385000	40	22.2		23.2	0.0	
15	Frequency	386000	41	22.3				
15	Power	386000	41	22.3		23.3	0.0	
15	Frequency	387000	42	22.3				
15	Power	387000	42	22.3		23.3	0.0	
15	Frequency	388000	43	22.4				
15	Power	388000	43	22.4		23.4	0.0	
15	Frequency	389000	44	22.4				
15	Power	389000	44	22.4		23.4	0.0	
15	Frequency	390000	45	22.5				
15	Power	390000	45	22.5		23.5	0.0	
15	Frequency	391000	46	22.5				
15	Power	391000	46	22.5		23.5	0.0	
15	Frequency	392000	47	22.6				
15	Power	392000	47	22.6		23.6	0.0	
15	Frequency	393000	48	22.6				
15	Power	393000	48	22.6		23.6	0.0	
15	Frequency	394000	49	22.7				
15	Power	394000	49	22.7		23.7	0.0	
15	Frequency	395000	50	22.7				
15	Power	395000	50	22.7		23.7	0.0	
15	Frequency	396000	51	22.8				
15	Power	396000	51	22.8		23.8	0.0	
15	Frequency	397000	52	22.8				
15	Power	397000	52	22.8		23.8	0.0	
15	Frequency	398000	53	22.9				
15	Power	398000	53	22.9		23.9	0.0	
15	Frequency	399000	54	22.9				
15	Power	399000	54	22.9		23.9	0.0	
15	Frequency	400000	55	23.0				
15	Power	400000	55	23.0		24.0	0.0	
15	Frequency	401000	56	23.0				
15	Power	401000	56	23.0		24.0	0.0	
15	Frequency	402000	57	23.1				
15	Power	402000	57	23.1		24.1	0.0	
15	Frequency	403000	58	23.1				
15	Power	403000	58	23.1		24.1	0.0	
15	Frequency	404000	59	23.2				
15	Power	404000	59	23.2		24.2	0.0	
15	Frequency	405000	60	23.2				
15	Power	405000	60	23.2		24.2	0.0	
15	Frequency	406000	61	23.3				
15	Power	406000	61	23.3		24.3	0.0	
15	Frequency	407000	62	23.3				
15	Power	407000	62	23.3		24.3	0.0	
15	Frequency	408000	63	23.4				
15	Power	408000	63	23.4		24.4	0.0	
15	Frequency	409000	64	23.4				
15	Power	409000	64	23.4		24.4	0.0	
15	Frequency	410000	65	23.5				
15	Power	410000	65	23.5		24.5	0.0	
15	Frequency	411000	66	23.5				
15	Power	411000	66	23.5		24.5	0.0	
15	Frequency	412000	67	23.6				
15	Power	412000	67	23.6		24.6	0.0	
15	Frequency	413000	68	23.6				
15	Power	413000	68	23.6		24.6	0.0	
15	Frequency	414000	69	23.7				
15	Power	414000	69	23.7		24.7	0.0	
15	Frequency	415000	70	23.7				
15	Power	415000	70	23.7		24.7	0.0	
15	Frequency	416000	71	23.8				
15	Power	416000	71	23.8		24.8	0.0	
15	Frequency	417000	72	23.8				
15	Power	417000	72	23.8		24.8	0.0	
15	Frequency	418000	73	23.9				
15	Power	418000	73	23.9		24.9	0.0	
15	Frequency	419000	74	23.9				
15	Power	419000	74	23.9		24.9	0.0	
15	Frequency	420000	75	24.0				
15	Power	420000	75	24.0		25.0	0.0	
15	Frequency	421000	76	24.0				
15	Power	421000	76	24.0		25.0	0.0	
15	Frequency	422000	77	24.1				
15	Power	422000	77	24.1		25.1	0.0	
15	Frequency	423000	78	24.1				
15	Power	423000	78	24.1		25.1	0.0	
15	Frequency	424000	79	24.2				
15	Power	424000	79	24.2		25.2	0.0	
15	Frequency	425000	80	24.2				
15	Power	425000	80	24.2		25.2	0.0	
15	Frequency	426000	81	24.3				
15	Power	426000	81	24.3		25.3	0.0	
15	Frequency	427000	82	24.3				
15	Power	427000	82	24.3		25.3	0.0	
15	Frequency	428000	83	24.4				
15	Power	428000	83	24.4		25.4	0.0	
15	Frequency	429000	84	24.4				
15	Power	429000	84	24.4		25.4	0.0	
15	Frequency	430000	85	24.5				
15	Power	430000	85	24.5		25.5	0.0	
15	Frequency	431000	86	24.5				
15	Power	431000	86	24.5		25.5	0.0	
15	Frequency	432000	87	24.6				
15	Power	432000	87	24.6		25.6	0.0	
15	Frequency	433000	88	24.6				
15	Power	433000	88	24.6		25.6	0.0	
15	Frequency	434000	89	24.7				
15	Power	434000	89	24.7		25.7	0.0	
15	Frequency	435000	90	24.7				
15	Power	435000	90	24.7		25.7	0.0	
15	Frequency	436000	91	24.8				
15	Power	436000	91	24.8		25.8	0.0	
15	Frequency	437000	92	24.8				
15	Power	437000	92	24.8		25.8	0.0	
15	Frequency	438000	93	24.9				
15	Power	438000	93	24.9		25.9	0.0	
15	Frequency	439000	94	24.9				
15	Power	439000	94	24.9		25.9	0.0	
15	Frequency	4						

n41 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				509202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.57	19.62	19.55		
100	PI/2 BPSK	1	137	19.46	19.47	19.38	20.8	0.0
100	PI/2 BPSK	1	271	19.46	19.53	19.29		
100	PI/2 BPSK	135	0	19.61	19.65	19.40	20.8	0.0
100	PI/2 BPSK	135	69	19.37	19.48	19.39	20.8	0.0
100	PI/2 BPSK	135	138	19.44	19.57	19.43		
100	PI/2 BPSK	270	0	19.39	19.50	19.44	20.8	0.0
100	QPSK	1	1	19.66	19.74	19.55		
100	QPSK	1	137	19.52	19.63	19.41	20.8	0.0
100	QPSK	1	271	19.54	19.62	19.50		
100	QPSK	135	0	19.28	19.40	19.34	20.8	0.0
100	QPSK	135	69	19.43	19.51	19.48	20.8	0.0
100	QPSK	135	138	19.31	19.32	19.27		
100	QPSK	270	0	19.12	19.38	19.28	20.8	0.0
100	16QAM	1	1	19.34	19.45	19.32	20.8	0.0
100	64QAM	1	1	19.39	19.36	19.31	20.8	0.0
100	256QAM	1	1	19.40	19.43	19.36	20.8	0.0
Channel				506200	518998	531998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	19.53	19.62	19.43	20.8	0.0
Channel				507204	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	19.57	19.62	19.40	20.8	0.0
Channel				506202	518998	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	19.61	19.63	19.49	20.8	0.0
Channel				506200	518998	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	19.50	19.69	19.45	20.8	0.0
Channel				504204	518998	533998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	19.52	19.61	19.44	20.8	0.0
Channel				503700	518998	533498	Tune-up limit	MPR
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)	(dB)
45	QPSK	1	1	19.58	19.62	19.42	20.8	0.0
Channel				503202	518998	533000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	19.52	19.62	19.49	20.8	0.0
Channel				502704	518998	534498	Tune-up limit	MPR
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)	(dB)
35	QPSK	1	1	19.58	19.69	19.48	20.8	0.0
Channel				502200	518998	533998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	19.60	19.68	19.46	20.8	0.0
Channel				501702	518998	533500	Tune-up limit	MPR
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	19.52	19.62	19.45	20.8	0.0
Channel				501204	518998	533098	Tune-up limit	MPR
Frequency (MHz)				2506.09	2692.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	19.57	19.69	19.40	20.8	0.0
Channel				500700	518998	538498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	19.54	19.58	19.43	20.8	0.0
Channel				500202	518998	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	19.52	19.62	19.40	20.8	0.0



n2 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 374000)	Power Max Ch. 1 (Freq. 375000)	Power High Ch. 1 (Freq. 376000)	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	19.54	19.56	19.61			
40	PSS-BPSK	1	108	19.43	19.40	19.33	20.0	0.0	
40	PSS-BPSK	1	214	19.39	19.30	19.21			
40	PSS-BPSK	108	0	19.54	19.51	19.40	20.0	0.0	
40	PSS-BPSK	108	54	19.40	19.41	19.30	20.0	0.0	
40	PSS-BPSK	108	108	19.29	19.40	19.29	20.0	0.0	
40	PSS-BPSK	216	0	19.41	19.44	19.41			
40	QPSK	1	1	19.54	19.58	19.61			
40	QPSK	1	108	19.46	19.59	19.41	20.0	0.0	
40	QPSK	1	214	19.39	19.30	19.43			
40	QPSK	108	0	19.19	19.38	19.21	20.0	0.0	
40	QPSK	108	54	19.29	19.40	19.44	20.0	0.0	
40	QPSK	108	108	19.29	19.29	19.35	20.0	0.0	
40	QPSK	216	0	19.33	19.30	19.25	20.0	0.0	
40	SSB-QAM	1	1	19.38	19.40	19.35	20.0	0.0	
40	SSB-QAM	1	1	19.34	19.38	19.35	20.0	0.0	
40	SSB-QAM	1	1	19.32	19.36	19.30	19.5	1.1	
Channel									
Frequency [MHz]									
35	QPSK	1	1	19.44	19.59	19.35	20.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.49	19.57	19.40	20.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	19.44	19.57	19.43	20.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.49	19.61	19.43	20.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.42	19.58	19.40	20.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	19.40	19.50	19.47	20.0	0.0	

n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 374000)	Power Max Ch. 1 (Freq. 375000)	Power High Ch. 1 (Freq. 376000)	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	19.48	19.55	19.48			
40	PSS-BPSK	1	108	19.35	19.48	19.32	20.0	0.0	
40	PSS-BPSK	1	214	19.38	19.30	19.31			
40	PSS-BPSK	108	0	19.51	19.53	19.42	20.0	0.0	
40	PSS-BPSK	108	54	19.33	19.46	19.43	20.0	0.0	
40	PSS-BPSK	108	108	19.27	19.47	19.38	20.0	0.0	
40	PSS-BPSK	216	0	19.41	19.48	19.38			
40	QPSK	1	1	19.52	19.58	19.53			
40	QPSK	1	108	19.49	19.52	19.49	20.0	0.0	
40	QPSK	1	214	19.49	19.38	19.35			
40	QPSK	108	0	19.19	19.33	19.29	20.0	0.0	
40	QPSK	108	54	19.38	19.46	19.42	20.0	0.0	
40	QPSK	108	108	19.30	19.37	19.24	20.0	0.0	
40	QPSK	216	0	19.31	19.29	19.37	20.0	0.0	
40	SSB-QAM	1	1	19.32	19.47	19.25	20.0	0.0	
40	SSB-QAM	1	1	19.28	19.34	19.19	20.0	0.0	
40	SSB-QAM	1	1	19.31	19.11	19.09	19.5	1.1	
Channel									
Frequency [MHz]									
35	QPSK	1	1	19.40	19.57	19.44	20.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.49	19.57	19.44	20.0	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	19.51	19.58	19.45	20.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.48	19.59	19.37	20.0	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.50	19.58	19.45	20.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.38	19.64	19.40	20.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	19.49	19.53	19.42	20.0	0.0	

n66 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 (Freq. 343000)	Power Max Ch. 1 (Freq. 344000)	Power High Ch. 1 (Freq. 345000)	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	19.37	19.34	19.38			
40	PSS-BPSK	1	108	19.24	19.28	19.24	20.5	0.0	
40	PSS-BPSK	1	214	19.20	19.33	19.12			
40	PSS-BPSK	108	0	19.42	19.45	19.19	20.5	0.0	
40	PSS-BPSK	108	54	19.21	19.26	19.20	20.5	0.0	
40	PSS-BPSK	108	108	19.20	19.37	19.19	20.5	0.0	
40	PSS-BPSK	216	0	19.25	19.24	19.30			
40	QPSK	1	1	19.42	19.52	19.34			
40	QPSK	1	108	19.31	19.39	19.27	20.5	0.0	
40	QPSK	1	214	19.30	19.38	19.26			
40	QPSK	108	0	19.08	19.17	19.09	20.5	0.0	
40	QPSK	108	54	19.22	19.36	19.29	20.5	0.0	
40	QPSK	108	108	19.15	19.03	19.12	20.5	0.0	
40	QPSK	216	0	19.07	19.14	19.05	20.5	0.0	
40	SSB-QAM	1	1	19.15	19.26	19.10	20.5	0.0	
40	SSB-QAM	1	1	19.11	19.23	19.06	20.5	0.0	
40	SSB-QAM	1	1	19.03	19.47	19.29	19.5	1.0	
Channel									
Frequency [MHz]									
35	QPSK	1	1	19.38	19.47	19.21	20.5	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	19.38	19.47	19.21	20.5	0.0	
Channel									
Frequency [MHz]									
25	QPSK	1	1	19.32	19.46	19.33	20.5	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	19.28	19.43	19.21	20.5	0.0	
Channel									
Frequency [MHz]									
15	QPSK	1	1	19.29	19.40	19.30	20.5	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	19.28	19.44	19.21	20.5	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	19.36	19.43	19.27	20.5	0.0	

n70 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1/Freq.	Power Max Ch. 1/Freq.	Power High Ch. 1/Freq.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PSS-BPSK	1	1	19.76	19.76	19.76			
15	PSS-BPSK	1	40	19.65			21.0	0.0	
15	PSS-BPSK	1	70	19.58					
15	PSS-BPSK	36	0	19.75			21.0	0.0	
15	PSS-BPSK	36	20	19.61			21.0	0.0	
15	PSS-BPSK	36	40	19.57			21.0	0.0	
15	PSS-BPSK	70	0	19.65					
15	QPSK	1	1	19.76			21.0	0.0	
15	QPSK	1	40	19.77					
15	QPSK	1	70	19.76					
15	QPSK	36	0	19.48			21.0	0.0	
15	QPSK	36	20	19.60			21.0	0.0	
15	QPSK	36	40	19.40			21.0	0.0	
15	QPSK	70	0	19.54					
15	SSB-QAM	1	1	19.44			21.0	0.0	
15	SSB-QAM	1	40	19.56			21.0	0.0	
15	SSB-QAM	1	70	19.69			20.0	1.0	
Power									
Frequency [MHz]									
10	PSS-BPSK	1	1	345000	345000	345000			
10	PSS-BPSK	1	40	344000	344000	344000			
10	PSS-BPSK	1	70	343000	343000	343000			
10	PSS-BPSK	36	0	344000	344000	344000			
10	PSS-BPSK	36	20	343000	343000	343000			
10	PSS-BPSK	36	40	342000	342000	342000			
10	PSS-BPSK	70	0	343000	343000	343000			
10	QPSK	1	1	345000	345000	345000			
10	QPSK	1	40	344000	344000	344000			
10	QPSK	1	70	343000	343000	343000			
10	QPSK	36	0	344000	344000	344000			
10	QPSK	36	20	343000	343000	343000			
10	QPSK	36	40	342000	342000	342000			
10	QPSK	70	0	343000	343000	343000			
5	QPSK	1	1	19.74	19.74	19.74	21.0	0.0	

n41 PC2 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				509202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.29	20.23	20.18		
100	PI/2 BPSK	1	137	20.10	20.20	20.07	21.5	0.0
100	PI/2 BPSK	1	271	20.07	20.12	20.07		
100	PI/2 BPSK	135	0	20.31	20.27	20.16	21.5	0.0
100	PI/2 BPSK	135	69	20.11	20.15	20.09	21.5	0.0
100	PI/2 BPSK	135	138	20.02	20.24	20.06	21.5	0.0
100	PI/2 BPSK	270	0	20.09	20.22	20.11		
100	QPSK	1	1	20.30	20.42	20.30		
100	QPSK	1	137	20.17	20.27	20.08	21.5	0.0
100	QPSK	1	271	20.18	20.27	20.25		
100	QPSK	135	0	20.06	20.03	20.01	21.5	0.0
100	QPSK	135	69	20.13	20.27	20.19	21.5	0.0
100	QPSK	135	138	20.00	19.95	20.01	21.5	0.0
100	QPSK	270	0	19.87	20.14	19.94		
100	16QAM	1	1	20.01	20.19	19.98	21.5	0.0
100	64QAM	1	1	20.02	20.05	19.95	21.5	0.0
100	256QAM	1	1	20.01	20.19	19.95	21.5	0.0
Channel				506200	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	20.26	20.37	20.14	21.5	0.0
Channel				507204	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	20.14	20.27	20.15	21.5	0.0
Channel				506202	518998	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	20.20	20.37	20.17	21.5	0.0
Channel				506200	518998	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	20.24	20.34	20.26	21.5	0.0
Channel				504204	518998	533998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	20.21	20.27	20.22	21.5	0.0
Channel				503700	518998	533498	Tune-up limit	MPR
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)	(dB)
45	QPSK	1	1	20.14	20.28	20.16	21.5	0.0
Channel				503202	518998	533000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	20.24	20.36	20.26	21.5	0.0
Channel				502704	518998	534498	Tune-up limit	MPR
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)	(dB)
35	QPSK	1	1	20.25	20.27	20.14	21.5	0.0
Channel				502200	518998	533498	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	20.18	20.26	20.24	21.5	0.0
Channel				501702	518998	533500	Tune-up limit	MPR
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)
25	QPSK	1	1	20.20	20.32	20.15	21.5	0.0
Channel				501204	518998	533998	Tune-up limit	MPR
Frequency (MHz)				2506.01	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	20.17	20.27	20.25	21.5	0.0
Channel				500700	518998	534498	Tune-up limit	MPR
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	20.19	20.27	20.22	21.5	0.0
Channel				500202	518998	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	20.22	20.30	20.25	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Usable Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				506002	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	Pi2 BPSK	1	1	22.20	22.24	22.13			
100	Pi2 BPSK	1	137	22.04	22.08	21.94	23.5	0.0	
100	Pi2 BPSK	1	271	21.98	22.11	21.97			
100	Pi2 BPSK	135	0	22.18	22.23	22.00	23.5	0.0	
100	Pi2 BPSK	135	69	22.00	22.05	22.03	23.5	0.0	
100	Pi2 BPSK	135	138	21.93	22.10	22.00	23.5	0.0	
100	Pi2 BPSK	270	0	22.07	22.07	22.03			
100	QPSK	1	1	22.21	22.32	22.11			
100	QPSK	1	197	22.12	22.25	22.04	23.5	0.0	
100	QPSK	1	271	22.10	22.25	22.16			
100	QPSK	135	0	21.83	21.95	21.89	23.5	0.0	
100	QPSK	135	69	21.99	22.22	22.11	23.5	0.0	
100	QPSK	135	138	21.96	21.86	21.95	23.5	0.0	
100	QPSK	270	0	21.78	21.93	21.81			
100	16QAM	1	1	21.95	22.09	21.90	23.5	0.0	
100	64QAM	1	1	21.90	21.96	21.88	23.5	0.0	
100	256QAM	1	1	21.67	21.73	21.33	23.0	0.5	
Channel				515000	515000	525998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	22.06	22.18	21.97	23.5	0.0	
Channel				507204	518998	525998	Tune-up limit	MPR	
Frequency (MHz)				2634.02	2649.99	2649.98			
80	QPSK	1	1	22.07	22.20	22.05	23.5	0.0	
Channel				506002	518998	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2605			
70	QPSK	1	1	22.11	22.17	22.02	23.5	0.0	
Channel				505000	518998	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2609.98			
60	QPSK	1	1	22.07	22.21	21.97	23.5	0.0	
Channel				505000	518998	532998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2604.98			
50	QPSK	1	1	22.08	22.20	21.98	23.5	0.0	
Channel				503700	518998	533498	Tune-up limit	MPR	
Frequency (MHz)				2514.5	2592.99	2607.48			
45	QPSK	1	1	22.10	22.17	21.96	23.5	0.0	
Channel				503002	518998	534000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	22.15	22.24	21.98	23.5	0.0	
Channel				501704	518998	534698	Tune-up limit	MPR	
Frequency (MHz)				2513.52	2592.99	2672.48			
35	QPSK	1	1	22.07	22.27	21.97	23.5	0.0	
Channel				502000	518998	535998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.98	2674.98			
30	QPSK	1	1	22.15	22.17	22.03	23.5	0.0	
Channel				501702	518998	535000	Tune-up limit	MPR	
Frequency (MHz)				2503.51	2592.99	2677.2			
25	QPSK	1	1	22.13	22.19	22.05	23.5	0.0	
Channel				501004	518998	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	22.16	22.22	22.01	23.5	0.0	
Channel				500300	518998	536998	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	22.09	22.27	22.05	23.5	0.0	
Channel				500202	518998	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.91	2592.99	2685			
10	QPSK	1	1	22.14	22.22	22.01	23.5	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Usable Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				640000	641666	643332			
Frequency (MHz)				3600	3624.99	3643.98			
40	Pi2 BPSK	1	1	17.80	17.82	17.79			
40	Pi2 BPSK	1	53	17.70	17.76	17.54	19.1	0.0	
40	Pi2 BPSK	1	104	17.55	17.82	17.50			
40	Pi2 BPSK	50	0	17.93	17.86	17.83	19.1	0.0	
40	Pi2 BPSK	50	28	17.83	17.69	17.69	19.1	0.0	
40	Pi2 BPSK	50	56	17.54	17.83	17.64	19.1	0.0	
40	Pi2 BPSK	100	0	17.80	17.77	17.61			
40	QPSK	1	1	17.92	18.03	17.82			
40	QPSK	1	53	17.75	17.86	17.64	19.1	0.0	
40	QPSK	1	104	17.74	17.95	17.75			
40	QPSK	50	0	17.96	17.98	17.54	19.1	0.0	
40	QPSK	50	28	17.77	17.86	17.85	19.1	0.0	
40	QPSK	50	56	17.56	17.54	17.56	19.1	0.0	
40	QPSK	100	0	17.85	17.73	17.47			
40	16QAM	1	1	17.56	17.70	17.56	19.1	0.0	
40	64QAM	1	1	17.48	17.69	17.53	19.1	0.0	
40	256QAM	1	1	17.59	17.76	17.60	19.1	0.0	
Channel				637000	641666	642998	Tune-up limit	MPR	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	17.81	17.93	17.69	19.1	0.0	
Channel				637334	641666	646000	Tune-up limit	MPR	
Frequency (MHz)				3649.01	3624.99	3660			
20	QPSK	1	1	17.85	17.91	17.67	19.1	0.0	
Channel				637168	641666	646166	Tune-up limit	MPR	
Frequency (MHz)				3657.52	3624.99	3692.48			
15	QPSK	1	1	17.89	17.97	17.67	19.1	0.0	
Channel				637000	641666	646332	Tune-up limit	MPR	
Frequency (MHz)				3655	3624.99	3694.98			
10	QPSK	1	1	17.86	17.89	17.66	19.1	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	660000		
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	19.82	19.69	19.61		
100	Pi2 BPSK	1	137	19.57	19.63	19.61	20.8	0.0
100	Pi2 BPSK	1	271	19.52	19.65	19.47		
100	Pi2 BPSK	135	0	19.77	19.72	19.68	20.8	0.0
100	Pi2 BPSK	136	69	19.53	19.66	19.64	20.8	0.0
100	Pi2 BPSK	135	138	19.61	19.71	19.58		
100	Pi2 BPSK	270	0	19.53	19.60	19.66	20.8	0.0
100	QPSK	1	1	19.73	19.88	19.81		
100	QPSK	1	137	19.86	19.79	19.61	20.8	0.0
100	QPSK	1	271	19.61	19.74	19.72		
100	QPSK	135	0	19.37	19.52	19.54	20.8	0.0
100	QPSK	135	69	19.49	19.74	19.67	20.8	0.0
100	QPSK	135	138	19.49	19.44	19.44		
100	QPSK	270	0	19.27	19.58	19.38	20.8	0.0
100	16QAM	1	1	19.55	19.58	19.45	20.8	0.0
100	64QAM	1	1	19.49	19.56	19.41	20.8	0.0
100	256QAM	1	1	19.48	19.53	19.48	20.8	0.0
Channel				650000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.59	19.84	19.77	20.8	0.0
Channel				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.01	3840	3949.02		
80	QPSK	1	1	19.69	19.80	19.66	20.8	0.0
Channel				649000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.59	19.79	19.74	20.8	0.0
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.58	19.74	19.71	20.8	0.0
Channel				648334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.60	19.81	19.72	20.8	0.0
Channel				648000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.65	19.75	19.76	20.8	0.0
Channel				647668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.56	19.81	19.68	20.8	0.0
Channel				647500	650000	650500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.64	19.76	19.73	20.8	0.0
Channel				647334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.65	19.74	19.68	20.8	0.0
Channel				647168	650000	650434	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.61	19.76	19.66	20.8	0.0
Channel				647000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.63	19.77	19.66	20.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3550.01			
100	Pi2 BPSK	1	1		19.84			
100	Pi2 BPSK	1	137		19.81		20.8	0.0
100	Pi2 BPSK	1	271		19.75			
100	Pi2 BPSK	135	0		19.85		20.8	0.0
100	Pi2 BPSK	136	69		19.63		20.8	0.0
100	Pi2 BPSK	135	138		19.72		20.8	0.0
100	Pi2 BPSK	270	0		19.76			
100	QPSK	1	1		19.98			
100	QPSK	1	137		19.86		20.8	0.0
100	QPSK	1	271		19.85			
100	QPSK	135	0		19.61		20.8	0.0
100	QPSK	135	69		19.86		20.8	0.0
100	QPSK	135	138		19.52		20.8	0.0
100	QPSK	270	0		19.65			
100	16QAM	1	1		19.68		20.8	0.0
100	64QAM	1	1		19.59		20.8	0.0
100	256QAM	1	1		19.76		20.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3550.01	3555.02		
90	QPSK	1	1	19.87	19.86	19.85	20.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3499.02	3550.01	3550		
80	QPSK	1	1	19.88	19.86	19.90	20.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495.01	3550.01	3555.01		
70	QPSK	1	1	19.82	19.82	19.89	20.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490	3550.01	3550.02		
60	QPSK	1	1	19.86	19.84	19.83	20.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3550.01	3555		
50	QPSK	1	1	19.83	19.88	19.82	20.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3478.01	3550.01	3558.01		
40	QPSK	1	1	19.86	19.93	19.86	20.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3550.01	3555.02		
30	QPSK	1	1	19.83	19.84	19.83	20.8	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3550.01	3557.51		
25	QPSK	1	1	19.92	19.90	19.84	20.8	0.0
Channel				630368	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3550.01	3560		
20	QPSK	1	1	19.93	19.82	19.83	20.8	0.0
Channel				630000	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3550.01	3562.51		
15	QPSK	1	1	19.92	19.95	19.92	20.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3550.01	3565.01		
10	QPSK	1	1	19.87	19.90	19.87	20.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		19.58		20.8	0.0
100	Pi2 BPSK	1	137		19.49			
100	Pi2 BPSK	1	271		19.47			
100	Pi2 BPSK	135	0		19.57		20.8	0.0
100	Pi2 BPSK	135	69		19.46		20.8	0.0
100	Pi2 BPSK	135	138		19.43		20.8	0.0
100	Pi2 BPSK	270	0		19.43		20.8	0.0
100	QPSK	1	1		19.63		20.8	0.0
100	QPSK	1	137		19.60			
100	QPSK	1	271		19.53			
100	QPSK	135	0		19.28		20.8	0.0
100	QPSK	135	69		19.45		20.8	0.0
100	QPSK	135	138		19.20		20.8	0.0
100	QPSK	270	0		19.36		20.8	0.0
100	16QAM	1	1		19.39		20.8	0.0
100	64QAM	1	1		19.33		20.8	0.0
100	256QAM	1	1		19.44		20.8	0.0
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.55	19.47	19.54	20.8	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.53	19.52	19.48	20.8	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.56	19.49	19.54	20.8	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.50	19.52	19.51	20.8	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.53	19.48	19.50	20.8	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.48	19.54	19.48	20.8	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.50	19.57	19.50	20.8	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.54	19.58	19.49	20.8	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.57	19.54	19.56	20.8	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.55	19.48	19.59	20.8	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.47	19.56	19.56	20.8	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					3500.01			
Frequency (MHz)					19.60			
100	Pi2 BPSK	1	1		19.60		20.8	0.0
100	Pi2 BPSK	1	137		19.66			
100	Pi2 BPSK	1	271		19.79			
100	Pi2 BPSK	135	0		19.77		20.8	0.0
100	Pi2 BPSK	135	69		19.74		20.8	0.0
100	Pi2 BPSK	135	138		19.70		20.8	0.0
100	Pi2 BPSK	270	0		19.72		20.8	0.0
100	QPSK	1	1		19.84		20.8	0.0
100	QPSK	1	137		19.80			
100	QPSK	1	271		19.82			
100	QPSK	135	0		19.58		20.8	0.0
100	QPSK	135	69		19.81		20.8	0.0
100	QPSK	135	138		19.48		20.8	0.0
100	QPSK	270	0		19.08		20.8	0.0
100	16QAM	1	1		19.67		20.8	0.0
100	64QAM	1	1		19.62		20.8	0.0
100	256QAM	1	1		19.70		20.8	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.76	19.78	19.78	20.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.75	19.77	19.71	20.8	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.71	19.75	19.77	20.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.68	19.79	19.70	20.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.72	19.74	19.80	20.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3528.01		
40	QPSK	1	1	19.73	19.75	19.80	20.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.77	19.77	19.79	20.8	0.0
Channel				630668	633334	635999	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.75	19.73	19.71	20.8	0.0
Channel				630334	633334	636333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.71	19.79	19.70	20.8	0.0
Channel				630000	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.75	19.74	19.74	20.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.70	19.74	19.71	20.8	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				3000	3024.99	3043.98		
Frequency (MHz)				18.96	18.92	18.79		
40	PV2 BPSK	1	1	18.96	18.92	18.79	20.0	0.0
40	PV2 BPSK	1	53	18.73	18.79	18.69		
40	PV2 BPSK	1	104	18.68	18.76	18.65		
40	PV2 BPSK	50	0	18.89	18.86	18.70	20.0	0.0
40	PV2 BPSK	50	28	18.71	18.90	18.83	20.0	0.0
40	PV2 BPSK	50	56	18.68	18.77	18.72	20.0	0.0
40	PV2 BPSK	100	0	18.67	18.85	18.68		
40	QPSK	1	1	19.00	19.05	18.92		
40	QPSK	1	53	18.76	18.91	18.73	20.0	0.0
40	QPSK	1	104	18.92	18.98	18.84		
40	QPSK	50	0	18.62	18.63	18.52	20.0	0.0
40	QPSK	50	28	18.70	18.77	18.76	20.0	0.0
40	QPSK	50	56	18.50	18.64	18.62	20.0	0.0
40	QPSK	100	0	18.47	18.65	18.55		
40	16QAM	1	1	18.81	18.84	18.60	20.0	0.0
40	64QAM	1	1	18.57	18.60	18.57	20.0	0.0
40	256QAM	1	1	18.72	18.67	18.65	18.5	
Channel				3365.02	3024.99	3084.99		
Frequency (MHz)				3365.02	3024.99	3084.99		
30	QPSK	1	1	18.94	18.90	18.81	20.0	0.0
Channel				637334	641066	646000		
Frequency (MHz)				3603.01	3624.99	3669		
20	QPSK	1	1	18.89	18.89	18.84	20.0	0.0
Channel				637168	641066	646166		
Frequency (MHz)				3597.62	3624.99	3692.49		
10	QPSK	1	1	18.87	18.89	18.79	20.0	0.0
Channel				637000	641066	646332		
Frequency (MHz)				3595	3624.99	3694.98		
10	QPSK	1	1	18.95	18.95	18.82	20.0	0.0

Part27O n77 Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	660000		
Frequency (MHz)				3700	3940	3930		
100	PV2 BPSK	1	1	17.53	17.60	17.49		
100	PV2 BPSK	1	137	17.33	17.53	17.39	18.7	0.0
100	PV2 BPSK	1	271	17.48	17.53	17.29		
100	PV2 BPSK	135	0	17.51	17.54	17.44	18.7	0.0
100	PV2 BPSK	135	69	17.37	17.56	17.46	18.7	0.0
100	PV2 BPSK	135	138	17.42	17.49	17.38	18.7	0.0
100	PV2 BPSK	270	0	17.46	17.47	17.48		
100	QPSK	1	1	17.53	17.79	17.59		
100	QPSK	1	137	17.53	17.56	17.41	18.7	0.0
100	QPSK	1	271	17.48	17.64	17.62		
100	QPSK	135	0	17.25	17.32	17.32	18.7	0.0
100	QPSK	135	69	17.38	17.61	17.49	18.7	0.0
100	QPSK	135	138	17.25	17.21	17.26	18.7	0.0
100	QPSK	270	0	17.17	17.37	17.24		
100	16QAM	1	1	17.34	17.46	17.43	18.7	0.0
100	64QAM	1	1	17.33	17.37	17.23	18.7	0.0
100	256QAM	1	1	17.32	17.40	17.25	18.7	0.0
Channel				669500	656000	652504		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.45	17.67	17.44	18.7	0.0
Channel				669334	656000	652068		
Frequency (MHz)				3743	3840	3940.02		
80	QPSK	1	1	17.43	17.74	17.52	18.7	0.0
Channel				669000	656000	653000		
Frequency (MHz)				3735	3940	3945		
70	QPSK	1	1	17.42	17.69	17.53	18.7	0.0
Channel				668668	656000	653334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.44	17.67	17.49	18.7	0.0
Channel				668334	656000	652940		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.46	17.74	17.45	18.7	0.0
Channel				668000	656000	654000		
Frequency (MHz)				3740	3840	3940		
40	QPSK	1	1	17.47	17.74	17.49	18.7	0.0
Channel				667668	656000	654334		
Frequency (MHz)				3715.02	3840	3995.01		
30	QPSK	1	1	17.47	17.69	17.49	18.7	0.0
Channel				667500	656000	654500		
Frequency (MHz)				3712.5	3840	3987.5		
25	QPSK	1	1	17.42	17.74	17.53	18.7	0.0
Channel				667334	656000	654668		
Frequency (MHz)				3710.01	3840	3979.02		
20	QPSK	1	1	17.45	17.71	17.50	18.7	0.0
Channel				667168	656000	654834		
Frequency (MHz)				3707.02	3840	3972.01		
15	QPSK	1	1	17.25	17.71	17.51	18.7	0.0
Channel				667000	656000	655000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.42	17.68	17.46	18.7	0.0

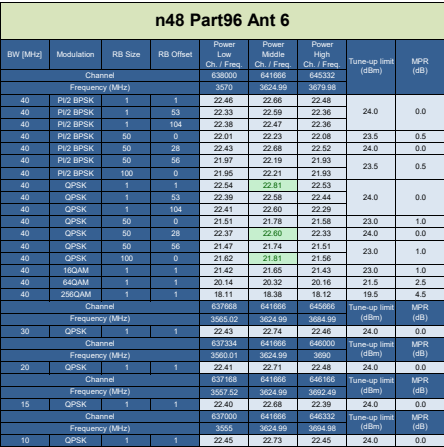
Part27Q n77 Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				630000	633334	636000		
Frequency (MHz)				3500.01				
100	PV2 BPSK	1	1	17.68	17.62			
100	PV2 BPSK	1	137	17.50			18.7	0.0
100	PV2 BPSK	1	271	17.44				
100	PV2 BPSK	135	0	17.61			18.7	0.0
100	PV2 BPSK	135	69	17.58			18.7	0.0
100	PV2 BPSK	135	138	17.55			18.7	0.0
100	PV2 BPSK	270	0	17.49				
100	QPSK	1	1	17.72				
100	QPSK	1	137	17.56			18.7	0.0
100	QPSK	1	271	17.70				
100	QPSK	135	0	17.40			18.7	0.0
100	QPSK	135	69	17.52			18.7	0.0
100	QPSK	135	138	17.29			18.7	0.0
100	QPSK	270	0	17.45				
100	16QAM	1	1	17.38			18.7	0.0
100	64QAM	1	1	17.36			18.7	0.0
100	256QAM	1	1	17.32			18.7	0.0
Channel				633000	633334	633668		
Frequency (MHz)				3498	3500.01	3505.02		
90	QPSK	1	1	17.59	17.61	17.58	18.7	0.0
Channel				632668	633334	634000		
Frequency (MHz)				3493.01	3500.01	3510.01		
80	QPSK	1	1	17.60	17.63	17.60	18.7	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3493.01	3500.01	3518.01		
70	QPSK	1	1	17.60	17.63	17.60	18.7	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3488	3500.01	3520.02		
60	QPSK	1	1	17.59	17.61	17.60	18.7	0.0
Channel				631668	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.61	17.60	17.63	18.7	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.57	17.68	17.58	18.7	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.64	17.63	17.59	18.7	0.0
Channel				630668	633334	636000		
Frequency (MHz)				3460.01	3500.01	3540		
25	QPSK	1	1	17.67	17.65	17.59	18.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
20	QPSK	1	1	17.60	17.59	17.66	18.7	0.0
Channel				630000	633334	636668		
Frequency (MHz)				3452.5	3500.01	3542.5		
15	QPSK	1	1	17.65	17.67	17.61	18.7	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.56	17.62	17.62	18.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		17.15		18.7	0.0
100	Pi2 BPSK	1	137		16.96			
100	Pi2 BPSK	1	271		16.97			
100	Pi2 BPSK	135	0		17.17		18.7	0.0
100	Pi2 BPSK	135	69		17.00		18.7	0.0
100	Pi2 BPSK	135	138		17.13		18.7	0.0
100	Pi2 BPSK	270	0		16.95		18.7	0.0
100	QPSK	1	1		17.27		18.7	0.0
100	QPSK	1	197		17.22			
100	QPSK	1	271		17.19			
100	QPSK	135	0		16.83		18.7	0.0
100	QPSK	135	69		17.04		18.7	0.0
100	QPSK	135	138		16.74		18.7	0.0
100	QPSK	270	0		16.96		18.7	0.0
100	16QAM	1	1		17.02		18.7	0.0
100	64QAM	1	1		17.04		18.7	0.0
100	256QAM	1	1		17.03		18.7	0.0
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		17.13	17.21	17.15	18.7 0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		17.19	17.21	17.23	18.7 0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		17.22	17.12	17.23	18.7 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		17.16	17.14	17.17	18.7 0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		17.23	17.19	17.11	18.7 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		17.21	17.18	17.19	18.7 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1		17.16	17.13	17.16	18.7 0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1		17.18	17.16	17.17	18.7 0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		17.14	17.21	17.22	18.7 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		17.15	17.17	17.17	18.7 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		17.21	17.13	17.13	18.7 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		17.39		18.7	0.0
100	Pi2 BPSK	1	137		17.43			
100	Pi2 BPSK	1	271		17.36			
100	Pi2 BPSK	135	0		17.55		18.7	0.0
100	Pi2 BPSK	135	69		17.29		18.7	0.0
100	Pi2 BPSK	135	138		17.36		18.7	0.0
100	Pi2 BPSK	270	0		17.35		18.7	0.0
100	QPSK	1	1		17.57		18.7	0.0
100	QPSK	1	197		17.56			
100	QPSK	1	271		17.50			
100	QPSK	135	0		17.29		18.7	0.0
100	QPSK	135	69		17.46		18.7	0.0
100	QPSK	135	138		17.19		18.7	0.0
100	QPSK	270	0		17.15		18.7	0.0
100	16QAM	1	1		17.39		18.7	0.0
100	64QAM	1	1		17.37		18.7	0.0
100	256QAM	1	1		17.38		18.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		17.52	17.43	17.49	18.7 0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		17.43	17.43	17.48	18.7 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		17.45	17.43	17.44	18.7 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		17.42	17.48	17.52	18.7 0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		17.48	17.50	17.45	18.7 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3528.01		
40	QPSK	1	1		17.42	17.51	17.47	18.7 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		17.45	17.43	17.51	18.7 0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1		17.48	17.48	17.44	18.7 0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		17.46	17.52	17.52	18.7 0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1		17.44	17.51	17.42	18.7 0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		17.46	17.44	17.47	18.7 0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 650000	Power Middle Ch. 2 650000	Power High Ch. 3 650000	Time-up limit (s/min)	MPR (dB)	
	Channel	Frequency (MHz)		3750	3840	3930			
100	PV2 BPSK	1	1	20.16	20.30	20.07	21.6	0.0	
100	PV2 BPSK	1	137	20.17	20.31	20.08			
100	PV2 BPSK	1	271	20.01	20.20	19.97			
100	PV2 BPSK	136	0	20.26	20.28	20.07	21.6	0.0	
100	PV2 BPSK	136	69	20.04	20.08	20.07			
100	PV2 BPSK	136	138	20.00	20.13	20.01			
100	PV2 BPSK	270	0	19.98	20.15	20.20	21.6	0.0	
100	QPSK	1	1	20.31	20.33	20.20			
100	QPSK	1	137	20.05	20.27	20.07	21.6	0.0	
100	QPSK	1	271	20.21	20.24	20.25			
100	QPSK	136	0	19.87	20.14	19.88			
100	QPSK	136	69	20.09	20.23	20.10	21.6	0.0	
100	QPSK	136	138	19.93	19.89	19.97	21.6	0.0	
100	QPSK	270	0	19.76	19.97	19.88			
100	16QAM	1	1	19.95	20.11	20.16	21.6	0.0	
100	64QAM	1	1	18.86	20.11	19.92	21.6	0.0	
100	256QAM	1	1	20.09	20.09	20.00	21.6	0.0	
	Channel	Frequency (MHz)		649698	650000	652234	Time-up limit (s/min)	MPR (dB)	
90	QPSK	1	1	20.25	20.25	20.13	21.6	0.0	
	Channel	Frequency (MHz)		648334	648600	652698	Time-up limit (s/min)	MPR (dB)	
80	QPSK	1	1	3740.01	3840	3930.02	21.6	0.0	
	Channel	Frequency (MHz)		20.20	20.20	20.24	21.6	0.0	
70	QPSK	1	1	20.20	20.20	20.24	21.6	0.0	
	Channel	Frequency (MHz)		3735	3840	3945	Time-up limit (s/min)	MPR (dB)	
60	QPSK	1	1	20.17	20.21	20.19	21.6	0.0	
	Channel	Frequency (MHz)		648599	650000	652534	Time-up limit (s/min)	MPR (dB)	
60	QPSK	1	1	20.27	20.28	20.04	21.6	0.0	
	Channel	Frequency (MHz)		648334	650000	653698	Time-up limit (s/min)	MPR (dB)	
50	QPSK	1	1	3740.01	3840	3945.02	21.6	0.0	
	Channel	Frequency (MHz)		20.23	20.21	20.08	21.6	0.0	
40	QPSK	1	1	20.20	20.20	20.15	21.6	0.0	
	Channel	Frequency (MHz)		648600	650000	654000	Time-up limit (s/min)	MPR (dB)	
30	QPSK	1	1	3720	3840	3950	21.6	0.0	
	Channel	Frequency (MHz)		648600	650000	652534	Time-up limit (s/min)	MPR (dB)	
20	QPSK	1	1	3715.02	3840	3965.01	21.6	0.0	
	Channel	Frequency (MHz)		30.19	20.18	20.08	21.6	0.0	
15	QPSK	1	1	3672.50	650000	654250	Time-up limit (s/min)	MPR (dB)	
	Channel	Frequency (MHz)		31.23	3840	3967.5	21.6	0.0	
25	QPSK	1	1	20.26	20.21	20.08	21.6	0.0	
	Channel	Frequency (MHz)		647334	650000	654668	Time-up limit (s/min)	MPR (dB)	
20	QPSK	1	1	3740.01	3840	3970.02	21.6	0.0	
	Channel	Frequency (MHz)		20.19	20.23	20.24	21.6	0.0	
15	QPSK	1	1	3672.50	650000	654250	Time-up limit (s/min)	MPR (dB)	
	Channel	Frequency (MHz)		31.05	3840	3975	21.6	0.0	
10	QPSK	1	1	20.20	20.22	20.16	21.6	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Q ₁ / Freq.	Power Middle Q ₂ / Freq.	Power High Q ₃ / Freq.	Time-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3600.01				
100	P2 BPSK	1	1	19.80				
100	P2 BPSK	1	137	19.80			21.6	0.0
100	P2 BPSK	1	271	19.80				
100	P2 BPSK	135	0	19.81			21.6	0.0
100	P2 BPSK	135	69	19.85			21.6	0.0
100	P2 BPSK	135	138	19.96				
100	P2 BPSK	270	0	19.89			21.6	0.0
100	QPSK	1	1	20.11				
100	QPSK	1	137	19.83			21.6	0.0
100	QPSK	1	271	20.03				
100	QPSK	135	0	19.79				
100	QPSK	135	69	19.94			21.6	0.0
100	QPSK	135	138	19.87			21.6	0.0
100	QPSK	270	0	19.77				
100	16QAM	1	1	19.95			21.6	0.0
100	64QAM	1	1	19.87			21.6	0.0
100	256QAM	1	1	19.83			21.6	0.0
Channel				630000	633334	636668	Time-up limit	MPR
Frequency (MHz)				3600.01	3600.01	3605.02	(dBm)	(dB)
90	QPSK	1	20.05	20.05	20.08		21.6	0.0
Channel				636668	639999	643000	Time-up limit	MPR
Frequency (MHz)				3600.02	3600.01	3610	(dBm)	(dB)
80	QPSK	1	20.08	19.99	20.09		21.6	0.0
Channel				633334	633334	643334	Time-up limit	MPR
Frequency (MHz)				3600.01	3600.01	3615.01	(dBm)	(dB)
70	QPSK	1	1	19.95	20.00	20.05	21.6	0.0
Channel				630000	633333	636667	Time-up limit	MPR
Frequency (MHz)				3600	3600.01	3620.02	(dBm)	(dB)
60	QPSK	1	20.05	20.02	19.97		21.6	0.0
Channel				631668	633334	635000	Time-up limit	MPR
Frequency (MHz)				3615.02	3600.01	3625	(dBm)	(dB)
50	QPSK	1	20.00	19.97	20.03		21.6	0.0
Channel				631334	633334	635334	Time-up limit	MPR
Frequency (MHz)				3610.01	3600.01	3630.01	(dBm)	(dB)
40	QPSK	1	1	19.98	19.96	20.00	21.6	0.0
Channel				631000	633333	635555	Time-up limit	MPR
Frequency (MHz)				3605	3600.01	3635.02	(dBm)	(dB)
30	QPSK	1	20.02	19.98	20.04		21.6	0.0
Channel				636834	633334	636834	Time-up limit	MPR
Frequency (MHz)				3642.81	3600.01	3637.81	(dBm)	(dB)
25	QPSK	1	20.01	20.05	20.05		21.6	0.0
Channel				636668	633334	636000	Time-up limit	MPR
Frequency (MHz)				3600.02	3600.01	3640	(dBm)	(dB)
20	QPSK	1	1	19.98	19.99	20.00	21.6	0.0
Channel				635000	633334	636888	Time-up limit	MPR
Frequency (MHz)				3615.01	3600.01	3642.52	(dBm)	(dB)
15	QPSK	1	1	19.98	19.98	19.98	21.6	0.0
Channel				633333	633333	635234	Time-up limit	MPR
Frequency (MHz)				3655.01	3600.01	3645.01	(dBm)	(dB)
10	QPSK	1	1	19.99	20.04	20.06	21.6	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	Pi2 BPSK	1	1		20.10		21.6	0.0	
100	Pi2 BPSK	1	137		20.00				
100	Pi2 BPSK	1	271		20.01				
100	Pi2 BPSK	135	0		20.02		21.6	0.0	
100	Pi2 BPSK	135	69		20.00		21.6	0.0	
100	Pi2 BPSK	135	138		20.02		21.6	0.0	
100	Pi2 BPSK	270	0		19.90		21.6	0.0	
100	QPSK	1	1		20.16		21.6	0.0	
100	QPSK	1	137		20.01				
100	QPSK	1	271		20.04				
100	QPSK	135	0		19.70		21.6	0.0	
100	QPSK	135	69		20.08		21.6	0.0	
100	QPSK	135	138		19.76		21.6	0.0	
100	QPSK	270	0		19.83		21.6	0.0	
100	16QAM	1	1		19.81		21.6	0.0	
100	64QAM	1	1		19.86		21.6	0.0	
100	256QAM	1	1		19.95		21.6	0.0	
Channel				649968	650000	650034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3744.92	3750	3755.01			
90	QPSK	1	1		20.03	20.09	20.02	21.6	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		20.11	20.07	20.11	21.6	0.0
Channel				648900	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		20.08	20.11	20.05	21.6	0.0
Channel				648568	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		20.01	20.05	20.12	21.6	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		20.11	20.07	20.08	21.6	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		20.02	20.05	20.11	21.6	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		20.07	20.07	20.04	21.6	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		20.04	20.04	20.09	21.6	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		20.10	20.04	20.11	21.6	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.5	3750	3792.5			
15	QPSK	1	1		20.10	20.05	20.08	21.6	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		20.11	20.07	20.01	21.6	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					3500.01			
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		20.00		21.6	0.0
100	Pi2 BPSK	1	137		19.94			
100	Pi2 BPSK	1	271		19.89			
100	Pi2 BPSK	135	0		20.01		21.6	0.0
100	Pi2 BPSK	135	69		19.96		21.6	0.0
100	Pi2 BPSK	135	138		19.86		21.6	0.0
100	Pi2 BPSK	270	0		19.86		21.6	0.0
100	QPSK	1	1		20.18		21.6	0.0
100	QPSK	1	137		20.14			
100	QPSK	1	271		20.03			
100	QPSK	135	0		19.77		21.6	0.0
100	QPSK	135	69		20.00		21.6	0.0
100	QPSK	135	138		19.74		21.6	0.0
100	QPSK	270	0		19.81		21.6	0.0
100	16QAM	1	1		19.77		21.6	0.0
100	64QAM	1	1		19.75		21.6	0.0
100	256QAM	1	1		19.82		21.6	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.99	19.97	20.02	21.6	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.93	19.92	19.98	21.6	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.93	19.97	20.01	21.6	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.94	19.94	19.94	21.6	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.94	20.01	19.95	21.6	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.96	20.00	19.92	21.6	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.92	19.97	19.93	21.6	0.0
Channel				630534	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.95	20.02	20.01	21.6	0.0
Channel				630668	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.97	19.92	19.94	21.6	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.5		
15	QPSK	1	1	19.93	19.97	19.90	21.6	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.97	19.99	19.91	21.6	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	PV2 BPSK	1	1	18.01	18.96	18.91	20.1	0.0
40	PV2 BPSK	1	53	18.81	18.87	18.82		
40	PV2 BPSK	1	104	18.86	18.90	18.73		
40	PV2 BPSK	50	0	19.03	19.08	18.97	20.1	0.0
40	PV2 BPSK	50	28	18.90	19.02	18.77	20.1	0.0
40	PV2 BPSK	50	56	18.79	18.98	18.77	20.1	0.0
40	PV2 BPSK	100	0	18.78	18.83	18.88	20.1	0.0
40	QPSK	1	1	19.08	19.19	19.05	20.1	0.0
40	QPSK	1	53	18.86	18.11	18.87		
40	QPSK	1	104	19.02	19.07	19.08		
40	QPSK	50	0	18.86	18.77	18.75	20.1	0.0
40	QPSK	50	28	18.76	19.10	18.83	20.1	0.0
40	QPSK	50	56	18.77	18.74	18.79	20.1	0.0
40	QPSK	100	0	18.50	18.85	18.71	20.1	0.0
40	16QAM	1	1	18.81	18.85	18.80	20.1	0.0
40	64QAM	1	1	18.87	18.81	18.72	20.1	0.0
40	256QAM	1	1	17.38	17.58	17.43	18.0	1.5
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.53	19.07	19.01	20.1	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.98	19.12	18.91	20.1	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.04	18.94	18.92	20.1	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.94	19.15	18.96	20.1	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	PV2 BPSK	1	1	16.52	16.44	16.44	18.0	0.0
100	PV2 BPSK	1	137	16.45	16.39	16.38		
100	PV2 BPSK	1	271	16.37	16.38	16.28		
100	PV2 BPSK	135	0	16.49	16.57	16.35	18.0	0.0
100	PV2 BPSK	135	69	16.31	16.44	16.26	18.0	0.0
100	PV2 BPSK	135	138	16.37	16.51	16.25	18.0	0.0
100	PV2 BPSK	270	0	16.35	16.48	16.29	18.0	0.0
100	QPSK	1	1	16.48	16.67	16.43	18.0	0.0
100	QPSK	1	137	16.47	16.58	16.48		
100	QPSK	1	271	16.42	16.56	16.57		
100	QPSK	135	0	16.21	16.27	16.29	18.0	0.0
100	QPSK	135	69	16.41	16.52	16.47	18.0	0.0
100	QPSK	135	138	16.30	16.11	16.22	18.0	0.0
100	QPSK	270	0	16.08	16.32	16.20	18.0	0.0
100	16QAM	1	1	16.36	16.48	16.32	18.0	0.0
100	64QAM	1	1	16.39	16.38	16.28	18.0	0.0
100	256QAM	1	1	16.29	16.34	16.23	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.41	16.59	16.31	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.32	16.53	16.32	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.37	16.53	16.39	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.33	16.54	16.37	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.37	16.52	16.34	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.41	16.51	16.33	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.33	16.52	16.30	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.40	16.60	16.35	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.34	16.52	16.35	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.35	16.56	16.31	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.41	16.52	16.39	18.0	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	PV2 BPSK	1	1	16.30	16.30	16.30	18.0	0.0
100	PV2 BPSK	1	137	16.27	16.19	16.19		
100	PV2 BPSK	1	271	16.14	16.14	16.14		
100	PV2 BPSK	135	0	16.21	16.21	16.21	18.0	0.0
100	PV2 BPSK	135	69	16.19	16.19	16.19	18.0	0.0
100	PV2 BPSK	135	138	16.13	16.13	16.13	18.0	0.0
100	PV2 BPSK	270	0	16.20	16.20	16.20	18.0	0.0
100	QPSK	1	1	16.27	16.32	16.27	18.0	0.0
100	QPSK	1	137	16.27	16.35	16.35		
100	QPSK	1	271	16.32	16.35	16.35		
100	QPSK	135	0	16.08	16.08	16.08	18.0	0.0
100	QPSK	135	69	16.24	16.24	16.24	18.0	0.0
100	QPSK	135	138	16.09	16.09	16.09	18.0	0.0
100	QPSK	270	0	15.98	15.98	15.98	18.0	0.0
100	16QAM	1	1	16.17	16.17	16.17	18.0	0.0
100	64QAM	1	1	16.15	16.15	16.15	18.0	0.0
100	256QAM	1	1	16.02	16.02	16.02	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.14	16.18	16.17	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.20	16.19	16.22	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.20	16.19	16.22	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.16	16.18	16.20	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.21	16.15	16.15	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.18	16.16	16.11	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.17	16.17	16.14	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.13	16.20	16.11	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.12	16.16	16.11	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.20	16.13	16.12	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.13	16.17	16.14	18.0	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				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI/2 BPSK	1	1		16.46		18.0	0.0	
100	PI/2 BPSK	1	137		16.45		18.0	0.0	
100	PI/2 BPSK	1	271		16.49		18.0	0.0	
100	PI/2 BPSK	135	0		16.53		18.0	0.0	
100	PI/2 BPSK	135	69		16.46		18.0	0.0	
100	PI/2 BPSK	135	138		16.38		18.0	0.0	
100	PI/2 BPSK	270	0		16.32		18.0	0.0	
100	QPSK	1	1		16.62				
100	QPSK	1	137		16.56		18.0	0.0	
100	QPSK	1	271		16.56				
100	QPSK	135	0		16.24		18.0	0.0	
100	QPSK	135	69		16.53		18.0	0.0	
100	QPSK	135	138		16.15		18.0	0.0	
100	QPSK	270	0		16.34				
100	16QAM	1	1		16.35		18.0	0.0	
100	64QAM	1	1		16.27		18.0	0.0	
100	256QAM	1	1		16.26		18.0	0.0	
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		16.36	16.38	16.33	18.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		16.38	16.34	16.43	18.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		16.32	16.34	16.36	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		16.34	16.35	16.36	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		16.32	16.37	16.40	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		16.42	16.32	16.33	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		16.41	16.38	16.33	18.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		16.42	16.37	16.37	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		16.34	16.37	16.42	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		16.35	16.35	16.42	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		16.41	16.37	16.33	18.0	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					633334				
Frequency (MHz)					3500.01				
100	Pi/2 BPSK	1	1		16.34				
100	Pi/2 BPSK	1	137		16.20		18.0	0.0	
100	Pi/2 BPSK	1	271		16.31				
100	Pi/2 BPSK	135	0		16.37		18.0	0.0	
100	Pi/2 BPSK	135	69		16.24		18.0	0.0	
100	Pi/2 BPSK	135	138		16.19		18.0	0.0	
100	Pi/2 BPSK	270	0		16.28		18.0	0.0	
100	QPSK	1	1		16.41				
100	QPSK	1	137		16.33		18.0	0.0	
100	QPSK	1	271		16.44				
100	QPSK	135	0		16.11		18.0	0.0	
100	QPSK	135	69		16.36		18.0	0.0	
100	QPSK	135	138		16.11		18.0	0.0	
100	QPSK	270	0		16.15		18.0	0.0	
100	16QAM	1	1		16.12		18.0	0.0	
100	64QAM	1	1		16.15		18.0	0.0	
100	256QAM	1	1		16.08		18.0	0.0	
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		16.26	16.23	16.18	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		16.21	16.25	16.26	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		16.20	16.21	16.25	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		16.30	16.20	16.23	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		16.25	16.19	16.26	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		16.21	16.20	16.16	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		16.26	16.30	16.19	18.0	0.0
Channel				630634	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		16.26	16.21	16.20	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		16.19	16.20	16.18	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500.01	3542.52			
15	QPSK	1	1		16.21	16.20	16.18	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		16.22	16.27	16.25	18.0	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				500202	518998	538000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.26	23.32	23.21		
100	PI/2 BPSK	1	137	23.16	23.26	23.22	23.7	0.0
100	PI/2 BPSK	1	271	23.13	23.25	23.19		
100	PI/2 BPSK	135	0	22.83	23.00	22.84	23.7	0.0
100	PI/2 BPSK	135	69	23.19	23.38	23.27	23.7	0.0
100	PI/2 BPSK	135	138	22.71	22.88	22.72	23.7	0.0
100	PI/2 BPSK	270	0	22.64	22.86	22.67		
100	QPSK	1	1	23.30	23.52	23.38		
100	QPSK	1	137	23.45	23.34	23.09	23.7	0.0
100	QPSK	1	271	23.23	23.25	23.17		
100	QPSK	135	0	23.33	23.43	23.28	23.7	0.0
100	QPSK	135	69	23.30	23.45	23.15	23.7	0.0
100	QPSK	135	138	23.28	23.35	23.15		
100	QPSK	270	0	23.28	23.35	23.07	23.7	0.0
100	16QAM	1	1	23.25	23.23	23.06	23.7	0.0
100	64QAM	1	1	23.15	23.31	23.28	23.7	0.0
100	256QAM	1	1	21.98	22.00	21.78	22.5	1.2
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.15	23.41	23.26	23.7	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.99		
80	QPSK	1	1	23.24	23.46	23.30	23.7	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.17	23.38	23.27	23.7	0.0
Channel				509200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.17	23.44	23.27	23.7	0.0
Channel				504204	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.21	23.44	23.28	23.7	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.24	23.47	23.27	23.7	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.18	23.45	23.23	23.7	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.25	23.36	23.29	23.7	0.0
Channel				500700	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.20	23.39	23.31	23.7	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.24	23.40	23.26	23.7	0.0



Reduced Power Mode for ECi7_Other PA

n2 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch. 1 Freq.	Power Max Ch. 2 Freq.	Power Low Ch. 2 Freq.	Turnup time [dBm]	MPE [dB]	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	18.53	18.53	18.53			
40	PSSBPSK	1	108	18.53	18.53	18.45	19.6		0.0
40	PSSBPSK	1	214	18.53	18.51	18.39			
40	PSSBPSK	108	0	18.53	18.70	18.43	19.9		0.0
40	PSSBPSK	108	54	18.41	18.49	18.42	19.8		0.0
40	PSSBPSK	108	108	18.31	18.53	18.30	19.8		0.0
40	PSSBPSK	216	0	18.44	18.49	18.49			
40	QPSK	1	1	18.53	18.70	18.51			
40	QPSK	1	108	18.51	18.57	18.52	19.6		0.0
40	QPSK	1	214	18.53	18.63	18.45			
40	QPSK	108	0	18.29	18.34	18.25	19.8		0.0
40	QPSK	108	54	18.43	18.50	18.45	19.6		0.0
40	QPSK	108	108	18.23	18.28	18.38	19.9		0.0
40	QPSK	216	0	18.39	18.42	18.35			
40	MSK4M	1	1	18.34	18.44	18.39	19.6		0.0
40	MSK4M	1	1	18.34	18.43	18.33			
40	MSK4M	1	1	18.35	18.36	18.33	19.9		0.0
Channel									
Frequency [MHz]									
35	QPSK	1	1	18.47	18.50	18.45	19.6		0.0
Channel									
Frequency [MHz]									
30	QPSK	1	1	18.54	18.55	18.43	19.9		0.0
Channel									
Frequency [MHz]									
25	QPSK	1	1	18.54	18.59	18.47	19.8		0.0
Channel									
Frequency [MHz]									
20	QPSK	1	1	18.49	18.64	18.49	19.9		0.0
Channel									
Frequency [MHz]									
15	QPSK	1	1	18.49	18.68	18.45	19.6		0.0
Channel									
Frequency [MHz]									
10	QPSK	1	1	18.50	18.81	18.51	19.6		0.0
Channel									
Frequency [MHz]									
5	QPSK	1	1	18.45	18.88	18.47	19.6		0.0

n25 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 Freq. 314000	Power Max Ch. 1 Freq. 316000	Power High Ch. 1 Freq. 318000	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSSBPSK	1	1	18.52	18.55	18.51			
40	PSSBPSK	1	108	18.36	18.48	18.43	19.6		0.0
40	PSSBPSK	1	214	18.32	18.37	18.30			
40	PSSBPSK	108	0	18.00	18.70	18.30	19.6		0.0
40	PSSBPSK	108	54	18.46	18.54	18.30	19.6		0.0
40	PSSBPSK	108	108	18.36	18.54	18.31	19.6		0.0
40	PSSBPSK	216	0	18.36	18.51	18.33			
40	QPSK	1	1	18.52	18.70	18.51			
40	QPSK	1	108	18.47	18.53	18.52	19.6		0.0
40	QPSK	1	214	18.56	18.63	18.51			
40	QPSK	108	0	18.27	18.38	18.27	19.6		0.0
40	QPSK	108	54	18.36	18.60	18.30	19.6		0.0
40	QPSK	108	108	18.34	18.30	18.43	19.6		0.0
40	QPSK	216	0	18.32	18.38	18.39			
40	MSK4M	1	1	18.34	18.40	18.34	19.6		0.0
40	MSK4M	1	1	18.29	18.43	18.31	19.6		0.0
40	MSK4M	1	1	18.36	18.36	18.30	19.6		0.0
Channel									
Frequency [MHz]									
35	QPSK	1	1	18.53	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43	19.6		MPE
30	QPSK	1	1	18.52	18.70	18.43			

n66 Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch. 1 Freq. 340000	Power Max Ch. 1 Freq. 346000	Power Low Ch. 1 Freq. 352000	Turn-up time (dBm)	MPE (dB)			
Channel											
Frequency [MHz]											
40	PSSBPSK	1	1	17.02	17.04	17.00					
40	PSSBPSK	1	108	16.93	16.95	16.88	18.2	0.0			
40	PSSBPSK	1	214	16.83	16.93	16.79					
40	PSSBPSK	108	0	17.06	17.08	16.89	18.2	0.0			
40	PSSBPSK	108	54	16.92	16.93	16.90	18.2	0.0			
40	PSSBPSK	108	108	16.87	17.02	16.78	18.2	0.0			
40	PSSBPSK	216	0	16.89	16.93	16.88					
40	QPSK	1	1	17.10	17.02	17.01					
40	QPSK	1	108	16.96	17.12	16.99	18.2	0.0			
40	QPSK	1	214	17.00	17.07	16.97					
40	QPSK	108	0	16.76	16.77	16.89	18.2	0.0			
40	QPSK	108	54	16.84	17.00	16.81	18.2	0.0			
40	QPSK	108	108	16.72	16.77	16.70	18.2	0.0			
40	QPSK	216	0	16.86	16.87	16.86					
40	MSK4M	1	1	16.83	16.87	16.78	18.2	0.0			
40	MSK4M	1	1	16.72	16.86	16.69	18.2	0.0			
40	MSK4M	1	1	16.84	16.84	16.71	18.2	0.0			
Channel											
Frequency [MHz]											
35	QPSK	1	1	16.99	17.11	16.95	18.2	0.0			
Channel											
Frequency [MHz]											
30	QPSK	1	1	16.99	17.11	16.90	18.2	0.0			
Channel											
Frequency [MHz]											
25	QPSK	1	1	17.03	17.07	16.93	18.2	0.0			
Channel											
Frequency [MHz]											
20	QPSK	1	1	17.00	17.01	16.92	18.2	0.0			
Channel											
Frequency [MHz]											
15	QPSK	1	1	17.05	17.16	16.87	18.2	0.0			
Channel											
Frequency [MHz]											
10	QPSK	1	1	17.03	17.07	16.96	18.2	0.0			
Channel											
Frequency [MHz]											
5	QPSK	1	1	16.98	17.15	16.98	18.2	0.0			

n70 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Fwd [dBm]	Power Rcv [dBm]	Power Ch. Fwd [dBm]	Power Ch. Rcv [dBm]	Carrier-to-Noise [dB]	Bit Error Rate [1/1000]
Frequency [MHz]									
15	QPSK	30	0	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	40	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	80	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	120	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	160	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	200	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	240	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	280	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	320	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	360	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	400	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	440	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	480	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	520	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	560	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	600	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	640	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	680	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	720	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	760	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	800	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	840	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	880	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	920	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	960	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1000	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1040	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1080	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1120	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1160	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1200	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1240	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1280	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1320	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1360	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1400	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1440	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1480	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1520	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1560	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1600	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1640	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1680	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1720	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1760	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1800	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1840	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1880	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1920	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	1960	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2000	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2040	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2080	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2120	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2160	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2200	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2240	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2280	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2320	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2360	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2400	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2440	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2480	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2520	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2560	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2600	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2640	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2680	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2720	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2760	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2800	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2840	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2880	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2920	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	2960	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3000	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3040	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3080	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3120	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3160	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3200	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3240	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3280	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3320	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3360	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3400	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3440	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3480	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3520	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3560	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3600	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3640	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3680	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3720	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3760	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3800	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3840	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3880	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3920	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	3960	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4000	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4040	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4080	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4120	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4160	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4200	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4240	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4280	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4320	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4360	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4400	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4440	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4480	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4520	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4560	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4600	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4640	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4680	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4720	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4760	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4800	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4840	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4880	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4920	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	4960	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5000	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5040	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5080	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5120	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5160	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5200	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5240	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30	5280	17.81	17.81	17.81	17.81	19.1	0.0
15	QPSK	30							

n41 PC3/PC2 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				509202	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	16.63	16.56	16.55			
100	PI/2 BPSK	1	137	16.46	16.44	16.42	17.4	0.0	
100	PI/2 BPSK	1	271	16.44	16.55	16.29			
100	PI/2 BPSK	135	0	16.58	16.59	16.39	17.4	0.0	
100	PI/2 BPSK	135	69	16.44	16.57	16.45		17.4	
100	PI/2 BPSK	135	138	16.40	16.54	16.41		17.4	
100	PI/2 BPSK	270	0	16.48	16.48	16.40			
100	QPSK	1	1	16.66	16.72	16.63			
100	QPSK	1	137	16.52	16.64	16.42	17.4	0.0	
100	QPSK	1	271	16.46	16.62	16.55			
100	QPSK	135	0	16.31	16.42	16.29	17.4	0.0	
100	QPSK	135	69	16.38	16.56	16.51		17.4	
100	QPSK	135	138	16.28	16.28	16.33		17.4	
100	QPSK	270	0	16.15	16.42	16.26			
100	16QAM	1	1	16.30	16.44	16.40	17.4	0.0	
100	64QAM	1	1	16.37	16.45	16.24	17.4	0.0	
100	256QAM	1	1	16.35	16.44	16.33	17.4	0.0	
Channel				509200	518998	528998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	16.58	16.60	16.44	17.4	0.0	
Channel				507204	518998	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	16.55	16.67	16.46	17.4	0.0	
Channel				506202	518998	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	16.50	16.57	16.45	17.4	0.0	
Channel				506200	518998	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	16.55	16.56	16.50	17.4	0.0	
Channel				504204	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)	
50	QPSK	1	1	16.52	16.59	16.44	17.4	0.0	
Channel				503700	518998	533498	Tune-up limit	MPR	
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)	(dB)	
45	QPSK	1	1	16.51	16.62	16.49	17.4	0.0	
Channel				503202	518998	533000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	16.61	16.60	16.52	17.4	0.0	
Channel				502704	518998	534498	Tune-up limit	MPR	
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)	(dB)	
35	QPSK	1	1	16.52	16.63	16.45	17.4	0.0	
Channel				502200	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	16.58	16.59	16.49	17.4	0.0	
Channel				501702	518998	533500	Tune-up limit	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)	
25	QPSK	1	1	16.59	16.67	16.45	17.4	0.0	
Channel				501204	518998	533098	Tune-up limit	MPR	
Frequency (MHz)				2506.09	2692.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	16.61	16.63	16.50	17.4	0.0	
Channel				500700	518998	538498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	16.50	16.68	16.56	17.4	0.0	
Channel				500202	518998	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2692.99	2685	(dBm)	(dB)	
10	QPSK	1	1	16.56	16.62	16.55	17.4	0.0	



n2 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
40	PUS-BSFSC	1	1	11.97	12.04	11.97			
40	PUS-BSFSC	1	108	11.91	11.95	11.85	13.1		0.0
40	PUS-BSFSC	1	214	11.84	11.90	11.79			
40	PUS-BSFSC	108	0	12.08	12.04	11.94	13.1	0.0	
40	PUS-BSFSC	108	36	11.99	11.95	11.87	13.1	0.0	
40	PUS-BSFSC	108	108	11.82	11.89	11.81	13.1	0.0	
40	PUS-BSFSC	216	0	11.85	11.92	11.82			
40	QPSK	1	1	12.05	12.01	12.05			
40	QPSK	1	108	11.98	12.01	11.87	13.1	0.0	
40	QPSK	1	214	11.84	12.00	11.92			
40	QPSK	108	0	11.87	11.83	11.80	13.1	0.0	
40	QPSK	108	36	11.86	11.89	11.86	13.1	0.0	
40	QPSK	108	108	11.79	11.89	11.77	13.1	0.0	
40	QPSK	216	0	11.85	11.81	11.78			
40	SSB4M	1	1	11.84	11.84	11.76	13.1	0.0	
40	SSB4M	1	1	11.78	11.86	11.74	13.1	0.0	
40	SSB4M	1	1	11.83	11.84	11.81	13.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.04	12.08	11.95	13.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.99	12.09	11.89	13.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.97	12.05	11.84	13.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.00	12.19	11.84	13.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.04	12.10	11.80	13.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.05	12.15	11.82	13.1	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	11.97	12.11	11.98	13.1	0.0	

n25 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
40	PUS-BSFSC	1	1	12.09	12.13	11.95			
40	PUS-BSFSC	1	108	11.85	11.92	11.88	13.1	0.0	
40	PUS-BSFSC	1	214	11.80	11.81	11.74			
40	PUS-BSFSC	108	0	12.08	12.03	11.85	13.1	0.0	
40	PUS-BSFSC	108	36	11.86	11.82	11.80	13.1	0.0	
40	PUS-BSFSC	108	108	11.81	11.81	11.80	13.1	0.0	
40	PUS-BSFSC	216	0	11.86	11.89	11.87			
40	QPSK	1	1	12.10	12.17	12.05			
40	QPSK	1	108	11.89	12.01	11.88	13.1	0.0	
40	QPSK	1	214	11.86	12.00	11.80			
40	QPSK	108	0	11.73	11.74	11.71	13.1	0.0	
40	QPSK	108	36	11.89	11.86	11.86	13.1	0.0	
40	QPSK	108	108	11.73	11.72	11.70	13.1	0.0	
40	QPSK	216	0	11.80	11.81	11.88			
40	SSB4M	1	1	11.75	11.81	11.74	13.1	0.0	
40	SSB4M	1	1	11.84	11.82	11.72	13.1	0.0	
40	SSB4M	1	1	11.86	11.81	11.72	13.1	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	11.95	12.03	11.87	13.1	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.99	12.03	11.87	13.1	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.99	12.05	11.85	13.1	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.99	12.10	11.80	13.1	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.01	12.08	11.83	13.1	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.98	12.08	11.88	13.1	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	12.01	12.09	11.95	13.1	0.0	

n66 Ant 1											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)	MPS (dB)			
Channel											
Frequency (MHz)											
40	PUS-BSFSC	1	1	13.32	13.44	13.33					
40	PUS-BSFSC	1	108	13.24	13.24	13.25	14.8	0.0			
40	PUS-BSFSC	1	214	13.27	13.24	13.08					
40	PUS-BSFSC	108	0	13.33	13.48	13.39	14.8	0.0			
40	PUS-BSFSC	108	36	13.23	13.30	13.22	14.8	0.0			
40	PUS-BSFSC	108	108	13.14	13.30	13.19	14.8	0.0			
40	PUS-BSFSC	216	0	13.26	13.27	13.22					
40	QPSK	1	1	13.36	13.35	13.40					
40	QPSK	1	108	13.29	13.43	13.25	14.8	0.0			
40	QPSK	1	214	13.34	13.30	13.31					
40	QPSK	108	0	13.08	13.09	13.09	14.8	0.0			
40	QPSK	108	36	13.29	13.40	13.29	14.8	0.0			
40	QPSK	108	108	13.14	13.04	13.15	14.8	0.0			
40	QPSK	216	0	13.37	13.23	13.31					
40	SSB4M	1	1	13.11	13.25	13.12	14.8	0.0			
40	SSB4M	1	1	13.08	13.17	13.08	14.8	0.0			
40	SSB4M	1	1	13.15	13.07	13.12	14.8	0.0			
Channel											
Frequency (MHz)											
35	QPSK	1	1	13.26	13.44	13.25	14.8	0.0			
Channel											
Frequency (MHz)											
30	QPSK	1	1	13.34	13.44	13.30	14.8	0.0			
Channel											
Frequency (MHz)											
25	QPSK	1	1	13.41	13.49	13.30	14.8	0.0			
Channel											
Frequency (MHz)											
20	QPSK	1	1	13.33	13.43	13.33	14.8	0.0			
Channel											
Frequency (MHz)											
15	QPSK	1	1	13.41	13.44	13.29	14.8	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	13.32	13.39	13.34	14.8	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	13.37	13.34	13.29	14.8	0.0			

n70 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. 1 (W)	Power Max Ch. 1 (W)	Power High Ch. 1 (W)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)				19.2					
15	QPSK	36	1	14.7	14.7	14.7	15.1	0.0	0.0
15	PI4-QAM16	1	40	14.08	14.08	14.08			
15	QPSK	36	1	14.7	14.7	14.7			
15	QPSK	36	1	14.7	14.7	14.7	15.1	0.0	0.0
15	PI4-QAM16	36	22	14.15	14.15	14.15			
15	QPSK	36	22	14.15	14.15	14.15			
15	PI4-QAM16	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	1	40	14.18	14.18	14.18			
15	QPSK	1	40	14.21	14.21	14.21	15.1	0.0	0.0
15	QPSK	1	74	14.24	14.24	14.24			
15	QPSK	36	22	14.15	14.15	14.15			
15	QPSK	36	22	14.15	14.15	14.15	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0			
15	QPSK	75	0	14.0	14.0	14.0	15.1	0.0	0.0
15	QPSK	75	0	14.0	14.0	14.0			
1									

n41 PC3/PC2 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				509202	518998	538000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	12.78	12.79	12.69			
100	PI/2 BPSK	1	137	12.60	12.66	12.62	13.9	0.0	
100	PI/2 BPSK	1	271	12.66	12.65	12.48			
100	PI/2 BPSK	135	0	12.73	12.75	12.65	13.9	0.0	
100	PI/2 BPSK	135	69	12.64	12.68	12.61	13.9	0.0	
100	PI/2 BPSK	135	138	12.57	12.71	12.55	13.9	0.0	
100	PI/2 BPSK	270	0	12.61	12.68	12.59			
100	QPSK	1	1	12.85	12.95	12.78			
100	QPSK	1	137	12.72	12.79	12.56	13.9	0.0	
100	QPSK	1	271	12.63	12.61	12.69			
100	QPSK	135	0	12.42	12.57	12.45	13.9	0.0	
100	QPSK	135	69	12.57	12.79	12.63	13.9	0.0	
100	QPSK	135	138	12.51	12.51	12.45	13.9	0.0	
100	QPSK	270	0	12.31	12.55	12.48			
100	16QAM	1	1	12.59	12.61	12.56	13.9	0.0	
100	64QAM	1	1	12.49	12.61	12.41	13.9	0.0	
100	256QAM	1	1	12.56	12.64	12.50	13.9	0.0	
Channel				506200	518998	531998	Tune-up limit	MPR	
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)	
90	QPSK	1	1	12.71	12.90	12.69	13.9	0.0	
Channel				507204	518998	529998	Tune-up limit	MPR	
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)	
80	QPSK	1	1	12.76	12.84	12.68	13.9	0.0	
Channel				506202	518998	531000	Tune-up limit	MPR	
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)	
70	QPSK	1	1	12.80	12.79	12.65	13.9	0.0	
Channel				506200	518998	531998	Tune-up limit	MPR	
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)	
60	QPSK	1	1	12.75	12.80	12.65	13.9	0.0	
Channel				504204	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2621.02	2592.99	2684.99	(dBm)	(dB)	
50	QPSK	1	1	12.78	12.85	12.70	13.9	0.0	
Channel				503700	518998	533498	Tune-up limit	MPR	
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)	(dB)	
45	QPSK	1	1	12.74	12.84	12.66	13.9	0.0	
Channel				503202	518998	533000	Tune-up limit	MPR	
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)	
40	QPSK	1	1	12.71	12.68	12.69	13.9	0.0	
Channel				502704	518998	534498	Tune-up limit	MPR	
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)	(dB)	
35	QPSK	1	1	12.75	12.61	12.66	13.9	0.0	
Channel				502200	518998	533998	Tune-up limit	MPR	
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)	
30	QPSK	1	1	12.78	12.89	12.70	13.9	0.0	
Channel				501702	518998	535500	Tune-up limit	MPR	
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)	
25	QPSK	1	1	12.69	12.80	12.65	13.9	0.0	
Channel				501204	518998	535998	Tune-up limit	MPR	
Frequency (MHz)				2506.99	2692.99	2679.99	(dBm)	(dB)	
20	QPSK	1	1	12.79	12.79	12.68	13.9	0.0	
Channel				500700	518998	536498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	12.80	12.90	12.73	13.9	0.0	
Channel				500202	518998	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2692.99	2685	(dBm)	(dB)	
10	QPSK	1	1	12.70	12.81	12.69	13.9	0.0	

n41 PC3/PC2 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				506002	518998	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI2 BPSK	1	1	20.14	20.17	20.13			
100	PI2 BPSK	1	137	20.08	20.08	20.05	21.5	0.0	
100	PI2 BPSK	1	271	20.05	20.05	19.92			
100	PI2 BPSK	135	0	20.24	20.17	19.98	21.5	0.0	
100	PI2 BPSK	135	69	20.04	20.07	20.07	21.5	0.0	
100	PI2 BPSK	135	138	19.93	20.08	20.01	21.5	0.0	
100	PI2 BPSK	270	0	19.97	20.13	20.05			
100	QPSK	1	1	20.19	20.25	20.15			
100	QPSK	1	197	20.11	20.20	20.07	21.5	0.0	
100	QPSK	1	271	20.11	20.20	20.11			
100	QPSK	135	0	19.83	19.95	19.97	21.5	0.0	
100	QPSK	135	69	19.97	20.20	20.06	21.5	0.0	
100	QPSK	135	138	19.92	19.92	19.87	21.5	0.0	
100	QPSK	270	0	19.73	20.01	19.92			
100	16QAM	1	1	19.99	20.07	19.88	21.5	0.0	
100	64QAM	1	1	19.98	19.96	19.82	21.5	0.0	
100	256QAM	1	1	19.94	19.98	19.93	21.5	0.0	
Channel				515003	515099	525099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	20.09	20.10	20.02	21.5	0.0	
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2634.02	2649.99	2664.98			
80	QPSK	1	1	20.10	20.12	20.05	21.5	0.0	
Channel				506002	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2605			
70	QPSK	1	1	20.08	20.10	20.02	21.5	0.0	
Channel				502000	518998	531999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2609.98			
60	QPSK	1	1	20.04	20.21	20.01	21.5	0.0	
Channel				520201	515099	535099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2604.99			
50	QPSK	1	1	20.11	20.17	20.07	21.5	0.0	
Channel				503700	518998	533499	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2607.49			
45	QPSK	1	1	20.04	20.17	20.10	21.5	0.0	
Channel				503002	518998	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	20.13	20.13	20.16	21.5	0.0	
Channel				527704	515099	534499	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	20.04	20.21	20.00	21.5	0.0	
Channel				502200	518998	539999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	20.08	20.16	20.03	21.5	0.0	
Channel				501702	518998	535000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.51	2592.99	2677.5			
25	QPSK	1	1	20.09	20.13	20.08	21.5	0.0	
Channel				501204	518998	539999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	20.06	20.14	20.08	21.5	0.0	
Channel				520303	515099	535099	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
15	QPSK	1	1	20.04	20.21	20.06	21.5	0.0	
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2494.01	2592.99	2689			
10	QPSK	1	1	20.08	20.13	20.10	21.5	0.0	

n48 Part96 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				640000	641666	643332			
Frequency (MHz)				3500	3624.99	3649.98			
40	PI2 BPSK	1	1	15.91	15.79	15.75			
40	PI2 BPSK	1	53	15.70	15.74	15.63	16.9	0.0	
40	PI2 BPSK	1	104	15.70	15.72	15.54			
40	PI2 BPSK	50	0	15.78	15.88	15.67	16.9	0.0	
40	PI2 BPSK	50	28	15.73	15.76	15.64	16.9	0.0	
40	PI2 BPSK	50	56	15.59	15.76	15.64	16.9	0.0	
40	PI2 BPSK	100	0	15.62	15.70	15.62			
40	QPSK	1	1	15.84	15.94	15.82			
40	QPSK	1	53	15.71	15.86	15.66	16.9	0.0	
40	QPSK	1	104	15.75	15.81	15.82			
40	QPSK	50	0	15.55	15.60	15.61	16.9	0.0	
40	QPSK	50	28	15.67	15.87	15.72	16.9	0.0	
40	QPSK	50	56	15.58	15.48	15.60	16.9	0.0	
40	QPSK	100	0	15.43	15.07	15.50			
40	16QAM	1	1	15.59	15.68	15.61	16.9	0.0	
40	64QAM	1	1	15.55	15.73	15.49	16.9	0.0	
40	256QAM	1	1	15.52	15.76	15.57	16.9	0.0	
Channel				637068	641666	646066	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565.02	3624.99	3684.98			
30	QPSK	1	1	15.70	15.85	15.75	16.9	0.0	
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3649.01	3624.99	3660			
20	QPSK	1	1	15.71	15.80	15.78	16.9	0.0	
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.52	3624.99	3692.49			
15	QPSK	1	1	15.74	15.13	15.69	16.9	0.0	
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3555	3624.99	3694.98			
10	QPSK	1	1	15.78	15.82	15.70	16.9	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	Pi2 BPSK	1	1	17.73	17.68	17.59		
100	Pi2 BPSK	1	137	17.61	17.60	17.52	19.3	0.0
100	Pi2 BPSK	1	271	17.68	17.60	17.42		
100	Pi2 BPSK	135	0	17.70	17.73	17.53	19.3	0.0
100	Pi2 BPSK	135	69	17.54	17.65	17.57	19.3	0.0
100	Pi2 BPSK	135	138	17.55	17.74	17.60	19.3	0.0
100	Pi2 BPSK	270	0	17.62	17.64	17.61		
100	QPSK	1	1	17.80	17.88	17.72		
100	QPSK	1	197	17.86	17.76	17.58	19.3	0.0
100	QPSK	1	271	17.59	17.81	17.59		
100	QPSK	135	0	17.40	17.55	17.44	19.3	0.0
100	QPSK	135	69	17.55	17.78	17.60	19.3	0.0
100	QPSK	135	138	17.46	17.41	17.50	19.3	0.0
100	QPSK	270	0	17.37	17.56	17.43		
100	16QAM	1	1	17.32	17.51	17.48	19.3	0.0
100	64QAM	1	1	17.44	17.60	17.50	19.3	0.0
100	256QAM	1	1	17.45	17.60	17.45	19.3	0.0
Channel				450000	650000	650000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.72	17.71	17.66	19.3	0.0
Channel				648034	656000	662068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3748.01	3840	3940.02		
80	QPSK	1	1	17.75	17.68	17.59	19.3	0.0
Channel				648000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.74	17.68	17.67	19.3	0.0
Channel				648068	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.68	17.68	17.57	19.3	0.0
Channel				631331	632000	633069	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.71	17.69	17.63	19.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.65	17.71	17.68	19.3	0.0
Channel				647068	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.75	17.77	17.84	19.3	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.72	17.71	17.56	19.3	0.0
Channel				647231	656000	665069	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.69	17.68	17.57	19.3	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.72	17.69	17.55	19.3	0.0
Channel				647000	656000	666000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.66	17.69	17.67	19.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		17.71			
100	Pi2 BPSK	1	137		17.72		19.3	0.0
100	Pi2 BPSK	1	271		17.76			
100	Pi2 BPSK	135	0		17.87		19.3	0.0
100	Pi2 BPSK	135	69		17.76		19.3	0.0
100	Pi2 BPSK	135	138		17.82		19.3	0.0
100	Pi2 BPSK	270	0		17.69			
100	QPSK	1	1		18.00		19.3	0.0
100	QPSK	1	197		17.86			
100	QPSK	1	271		17.80			
100	QPSK	135	0		17.59		19.3	0.0
100	QPSK	135	69		17.74		19.3	0.0
100	QPSK	135	138		17.52		19.3	0.0
100	QPSK	270	0		17.60			
100	16QAM	1	1		17.75		19.3	0.0
100	64QAM	1	1		17.70		19.3	0.0
100	256QAM	1	1		17.73		19.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.88	17.90	17.95	19.3	0.0
Channel				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3505		
80	QPSK	1	1	17.89	17.85	17.94	19.3	0.0
Channel				630334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.84	17.89	17.98	19.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.94	17.86	17.91	19.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.91	17.94	17.94	19.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3520.01		
40	QPSK	1	1	17.87	17.93	17.94	19.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.84	17.85	17.89	19.3	0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.83	17.90	17.84	19.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.94	17.84	17.92	19.3	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500.01	3542.52		
15	QPSK	1	1	17.95	17.96	17.89	19.3	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.96	17.89	17.94	19.3	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		17.66		19.3	0.0
100	Pi2 BPSK	1	137		17.43			
100	Pi2 BPSK	1	271		17.50			
100	Pi2 BPSK	135	0		17.59		19.3	0.0
100	Pi2 BPSK	135	69		17.49		19.3	0.0
100	Pi2 BPSK	135	138		17.52		19.3	0.0
100	Pi2 BPSK	270	0		17.54		19.3	0.0
100	QPSK	1	1		17.73		19.3	0.0
100	QPSK	1	197		17.60			
100	QPSK	1	271		17.64			
100	QPSK	135	0		17.44		19.3	0.0
100	QPSK	135	69		17.58		19.3	0.0
100	QPSK	135	138		17.35		19.3	0.0
100	QPSK	270	0		17.35		19.3	0.0
100	16QAM	1	1		17.41		19.3	0.0
100	64QAM	1	1		17.42		19.3	0.0
100	256QAM	1	1		17.49		19.3	0.0
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1		17.57	17.62	17.66	19.3 0.0
Channel				648334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1		17.66	17.58	17.61	19.3 0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1		17.67	17.59	17.62	19.3 0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1		17.68	17.58	17.67	19.3 0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1		17.59	17.59	17.65	19.3 0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1		17.58	17.64	17.58	19.3 0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3765.01		
30	QPSK	1	1		17.24	17.66	17.64	19.3 0.0
Channel				647000	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1		17.63	17.69	17.66	19.3 0.0
Channel				646334	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1		17.67	17.64	17.65	19.3 0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1		17.68	17.65	17.58	19.3 0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1		17.61	17.61	17.60	19.3 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		17.42		19.3	0.0
100	Pi2 BPSK	1	137		17.74			
100	Pi2 BPSK	1	271		17.73			
100	Pi2 BPSK	135	0		17.80		19.3	0.0
100	Pi2 BPSK	135	69		17.75		19.3	0.0
100	Pi2 BPSK	135	138		17.69		19.3	0.0
100	Pi2 BPSK	270	0		17.75		19.3	0.0
100	QPSK	1	1		17.97		19.3	0.0
100	QPSK	1	197		17.75			
100	QPSK	1	271		17.92			
100	QPSK	135	0		17.65		19.3	0.0
100	QPSK	135	69		17.81		19.3	0.0
100	QPSK	135	138		17.43		19.3	0.0
100	QPSK	270	0		17.65		19.3	0.0
100	16QAM	1	1		17.68		19.3	0.0
100	64QAM	1	1		17.53		19.3	0.0
100	256QAM	1	1		17.58		19.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1		17.84	17.92	17.89	19.3 0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1		17.87	17.93	17.82	19.3 0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1		17.89	17.90	17.82	19.3 0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1		17.86	17.84	17.92	19.3 0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1		17.92	17.83	17.82	19.3 0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1		17.81	17.86	17.86	19.3 0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1		17.88	17.89	17.86	19.3 0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1		17.92	17.83	17.83	19.3 0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1		17.88	17.86	17.86	19.3 0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500.01	3542.52		
15	QPSK	1	1		17.90	17.92	17.83	19.3 0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1		17.81	17.92	17.86	19.3 0.0

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BW (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	PV2 BPSK	1	1	11.31	11.36	11.23	12.5	0.0
40	PV2 BPSK	1	53	11.18	11.27	11.20		
40	PV2 BPSK	1	104	11.21	11.30	11.12		
40	PV2 BPSK	50	0	11.37	11.39	11.23	12.5	0.0
40	PV2 BPSK	50	28	11.20	11.23	11.26	12.5	0.0
40	PV2 BPSK	50	56	11.22	11.23	11.20	12.5	0.0
40	PV2 BPSK	100	0	11.18	11.24	11.32	12.5	0.0
40	QPSK	1	1	11.35	11.52	11.29	12.5	0.0
40	QPSK	1	53	11.29	11.36	11.18		
40	QPSK	1	104	11.42	11.42	11.23		
40	QPSK	50	0	11.03	11.18	11.10	12.5	0.0
40	QPSK	50	28	11.21	11.39	11.23	12.5	0.0
40	QPSK	50	56	11.17	11.15	11.08	12.5	0.0
40	QPSK	100	0	11.03	11.18	11.02	12.5	0.0
40	16QAM	1	1	11.15	11.18	11.12	12.5	0.0
40	64QAM	1	1	11.08	11.27	11.01	12.5	0.0
40	256QAM	1	1	11.06	11.24	11.05	12.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.22	11.40	11.20	12.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.29	11.47	11.24	12.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.20	11.40	11.24	12.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.24	11.42	11.16	12.5	0.0

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BW (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)								
100	PV2 BPSK	1	1	11.56	11.63	11.51	13.0	0.0
100	PV2 BPSK	1	137	11.39	11.48	11.35		
100	PV2 BPSK	1	271	11.40	11.44	11.33		
100	PV2 BPSK	135	0	11.62	11.63	11.41	13.0	0.0
100	PV2 BPSK	135	69	11.34	11.44	11.48	13.0	0.0
100	PV2 BPSK	135	138	11.37	11.51	11.33	13.0	0.0
100	PV2 BPSK	270	0	11.40	11.55	11.45	13.0	0.0
100	QPSK	1	1	11.62	11.68	11.51	13.0	0.0
100	QPSK	1	137	11.50	11.61	11.48		
100	QPSK	1	271	11.50	11.53	11.49		
100	QPSK	135	0	11.22	11.33	11.32	13.0	0.0
100	QPSK	135	69	11.40	11.53	11.41	13.0	0.0
100	QPSK	135	138	11.34	11.34	11.23	13.0	0.0
100	QPSK	270	0	11.21	11.40	11.22	13.0	0.0
100	16QAM	1	1	11.24	11.45	11.25	13.0	0.0
100	64QAM	1	1	11.34	11.47	11.30	13.0	0.0
100	256QAM	1	1	11.32	11.51	11.31	13.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	11.47	11.53	11.42	13.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.50	11.58	11.40	13.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	11.52	11.54	11.43	13.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.56	11.52	11.39	13.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.53	11.50	11.42	13.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	11.51	11.59	11.35	13.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.56	11.54	11.37	13.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	11.55	11.52	11.46	13.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.58	11.54	11.38	13.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	11.45	11.56	11.35	13.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.55	11.50	11.43	13.0	0.0

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BW (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)								
100	PV2 BPSK	1	1	11.57	11.57		13.0	0.0
100	PV2 BPSK	1	137	11.50				
100	PV2 BPSK	1	271	11.58				
100	PV2 BPSK	135	0	11.63			13.0	0.0
100	PV2 BPSK	135	69	11.51			13.0	0.0
100	PV2 BPSK	135	138	11.45			13.0	0.0
100	PV2 BPSK	270	0	11.44			13.0	0.0
100	QPSK	1	1	11.70			13.0	0.0
100	QPSK	1	137	11.52				
100	QPSK	1	271	11.61				
100	QPSK	135	0	11.32			13.0	0.0
100	QPSK	135	69	11.61			13.0	0.0
100	QPSK	138	138	11.25			13.0	0.0
100	QPSK	270	0	11.40			13.0	0.0
100	16QAM	1	1	11.43			13.0	0.0
100	64QAM	1	1	11.48			13.0	0.0
100	256QAM	1	1	11.40			13.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	11.56	11.59	11.56	13.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	11.58	11.59	11.55	13.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	11.54	11.53	11.52	13.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	11.63	11.58	11.61	13.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	11.57	11.60	11.61	13.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	11.66	11.55	11.64	13.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	11.57	11.60	11.57	13.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	11.58	11.59	11.63	13.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	11.55	11.60	11.57	13.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	11.66	11.54	11.59	13.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	11.62	11.56	11.62	13.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		11.35		13.0	0.0
100	Pi2 BPSK	1	137		11.28			
100	Pi2 BPSK	1	271		11.24			
100	Pi2 BPSK	135	0		11.45		13.0	0.0
100	Pi2 BPSK	135	69		11.31		13.0	0.0
100	Pi2 BPSK	135	138		11.24		13.0	0.0
100	Pi2 BPSK	270	0		11.21		13.0	0.0
100	QPSK	1	1		11.54		13.0	0.0
100	QPSK	1	137		11.38			
100	QPSK	1	271		11.40			
100	QPSK	135	0		11.10		13.0	0.0
100	QPSK	135	69		11.28		13.0	0.0
100	QPSK	135	138		11.20		13.0	0.0
100	QPSK	270	0		11.15		13.0	0.0
100	16QAM	1	1		11.28		13.0	0.0
100	64QAM	1	1		11.09		13.0	0.0
100	256QAM	1	1		11.29		13.0	0.0
Channel				648968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	11.43	11.50	11.47	13.0	0.0
Channel				648334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	11.48	11.43	11.49	13.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	11.30	11.29	11.35	13.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	11.28	11.25	11.36	13.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	11.33	11.25	11.30	13.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	11.26	11.24	11.35	13.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	11.32	11.31	11.28	13.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	11.25	11.34	11.33	13.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	11.32	11.33	11.34	13.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.02	3750	3792.51		
15	QPSK	1	1	11.32	11.34	11.30	13.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	11.28	11.28	11.35	13.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3550.01			
100	Pi2 BPSK	1	1		11.43		13.0	0.0
100	Pi2 BPSK	1	137		11.61			
100	Pi2 BPSK	1	271		11.59			
100	Pi2 BPSK	135	0		11.62		13.0	0.0
100	Pi2 BPSK	135	69		11.64		13.0	0.0
100	Pi2 BPSK	135	138		11.52		13.0	0.0
100	Pi2 BPSK	270	0		11.59		13.0	0.0
100	QPSK	1	1		11.80		13.0	0.0
100	QPSK	1	137		11.69			
100	QPSK	1	271		11.73			
100	QPSK	135	0		11.43		13.0	0.0
100	QPSK	135	69		11.64		13.0	0.0
100	QPSK	135	138		11.28		13.0	0.0
100	QPSK	270	0		11.62		13.0	0.0
100	16QAM	1	1		11.59		13.0	0.0
100	64QAM	1	1		11.51		13.0	0.0
100	256QAM	1	1		11.43		13.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	11.74	11.68	11.73	13.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	11.74	11.73	11.70	13.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	11.67	11.75	11.74	13.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.69	11.73	11.66	13.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	11.64	11.70	11.66	13.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3528.01		
40	QPSK	1	1	11.76	11.75	11.73	13.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	11.67	11.65	11.65	13.0	0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	11.67	11.71	11.71	13.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	11.74	11.71	11.76	13.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	11.73	11.70	11.69	13.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	11.68	11.70	11.70	13.0	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)				3370	3624.99	3679.98		
40	PV2 BPSK	1	1	16.90	16.91	16.79		
40	PV2 BPSK	1	53	16.84	16.85	16.62	18.3	0.0
40	PV2 BPSK	1	104	16.67	16.78	16.62		
40	PV2 BPSK	50	0	16.86	16.92	16.68	18.3	0.0
40	PV2 BPSK	50	28	16.75	16.83	16.78	18.3	0.0
40	PV2 BPSK	50	56	16.56	16.83	16.75		
40	PV2 BPSK	100	0	16.77	16.80	16.72	18.3	0.0
40	QPSK	1	1	16.90	17.01	16.90		
40	QPSK	1	53	16.71	16.86	16.69	18.3	0.0
40	QPSK	1	104	16.82	16.88	16.83		
40	QPSK	50	0	16.48	16.57	16.62	18.3	0.0
40	QPSK	50	28	16.75	16.91	16.81	18.3	0.0
40	QPSK	50	56	16.53	16.52	16.59		
40	QPSK	100	0	16.38	16.68	16.61	18.3	0.0
40	16QAM	1	1	16.64	16.75	16.66	18.3	0.0
40	64QAM	1	1	16.70	16.75	16.53	18.3	0.0
40	256QAM	1	1	16.59	16.72	16.55	18.3	0.0
Channel				3766.02	641666	645566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3965.02	3624.99	3684.99		
30	QPSK	1	1	16.76	16.89	16.86	18.3	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3607.62	3624.99	3692.49		
20	QPSK	1	1	16.79	16.95	16.85	18.3	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3507.62	3624.99	3692.49		
15	QPSK	1	1	16.83	16.91	16.79	18.3	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3505	3624.99	3694.98		
10	QPSK	1	1	16.75	16.91	16.76	18.3	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)				3705	3840	3920		
100	PV2 BPSK	1	1	15.22	15.26	15.09		
100	PV2 BPSK	1	137	15.15	15.07	15.09	16.5	0.0
100	PV2 BPSK	1	271	15.07	15.11	14.97		
100	PV2 BPSK	135	0	15.25	15.23	15.14	16.5	0.0
100	PV2 BPSK	135	69	14.96	15.17	15.15	16.5	0.0
100	PV2 BPSK	135	138	15.03	15.16	14.86		
100	PV2 BPSK	270	0	15.05	15.11	15.09	16.5	0.0
100	QPSK	1	1	15.14	15.31	15.15		
100	QPSK	1	137	15.17	15.25	15.07	16.5	0.0
100	QPSK	1	271	15.12	15.23	15.17		
100	QPSK	135	0	14.89	15.05	14.94	16.5	0.0
100	QPSK	135	69	15.10	15.22	15.13	16.5	0.0
100	QPSK	135	138	15.04	14.84	14.86	16.5	0.0
100	QPSK	270	0	14.77	15.08	14.89		
100	16QAM	1	1	15.01	15.15	15.00	16.5	0.0
100	64QAM	1	1	14.94	15.06	14.88	16.5	0.0
100	256QAM	1	1	14.90	15.15	14.85	16.5	0.0
Channel				640950	656000	662000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.03	15.21	15.01	16.5	0.0
Channel				660334	656000	662068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.02	3840	3940.02		
80	QPSK	1	1	15.07	15.25	15.01	16.5	0.0
Channel				660000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.03	15.16	15.04	16.5	0.0
Channel				660868	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.07	15.18	15.10	16.5	0.0
Channel				661234	656000	663700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.02	15.16	15.08	16.5	0.0
Channel				660000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.08	15.23	15.10	16.5	0.0
Channel				667668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.04	15.25	15.00	16.5	0.0
Channel				667500	656000	665500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.07	15.17	15.02	16.5	0.0
Channel				667234	656000	665668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.07	15.21	15.02	16.5	0.0
Channel				667168	656000	665834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.02	3840	3972.51		
15	QPSK	1	1	15.00	15.19	15.10	16.5	0.0
Channel				667000	656000	666000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	14.98	15.17	15.08	16.5	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)				3000.01				
100	PV2 BPSK	1	1	14.89				
100	PV2 BPSK	1	137	14.90			16.5	0.0
100	PV2 BPSK	1	271	14.89				
100	PV2 BPSK	135	0	14.96			16.5	0.0
100	PV2 BPSK	135	69	14.86			16.5	0.0
100	PV2 BPSK	135	138	14.91			16.5	0.0
100	PV2 BPSK	270	0	14.86				
100	QPSK	1	1	15.08				
100	QPSK	1	137	14.95			16.5	0.0
100	QPSK	1	271	15.01				
100	QPSK	135	0	14.76			16.5	0.0
100	QPSK	135	69	14.92			16.5	0.0
100	QPSK	135	138	14.68			16.5	0.0
100	QPSK	270	0	14.85				
100	16QAM	1	1	14.74			16.5	0.0
100	64QAM	1	1	14.91			16.5	0.0
100	256QAM	1	1	14.82			16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	14.94	14.97	14.90	16.5	0.0
Channel				632068	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510.01		
80	QPSK	1	1	14.90	14.92	14.82	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	14.90	14.83	14.82	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	14.99	14.90	14.93	16.5	0.0
Channel				631500	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	14.92	14.90	14.94	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	14.96	14.96	14.91	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	14.85	14.94	14.93	16.5	0.0
Channel				630834	633334	635900	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	14.94	14.94	14.98	16.5	0.0
Channel				630568	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3532.52		
20	QPSK	1	1	14.95	14.91	14.94	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500.01	3532.52		
15	QPSK	1	1	14.93	14.95	14.96	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	14.89	14.95	14.88	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Limit Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		15.01			
100	Pi2 BPSK	1	137		14.95			
100	Pi2 BPSK	1	271		14.99			
100	Pi2 BPSK	135	0		15.08		16.5	0.0
100	Pi2 BPSK	135	69		14.97		16.5	0.0
100	Pi2 BPSK	135	138		14.87		16.5	0.0
100	Pi2 BPSK	270	0		14.99		16.5	0.0
100	QPSK	1	1		15.21			
100	QPSK	1	137		14.96			
100	QPSK	1	271		14.99		16.5	0.0
100	QPSK	135	0		14.82		16.5	0.0
100	QPSK	135	69		14.97		16.5	0.0
100	QPSK	135	138		14.88		16.5	0.0
100	QPSK	270	0		14.95		16.5	0.0
100	16QAM	1	1		14.88		16.5	0.0
100	64QAM	1	1		14.83		16.5	0.0
100	256QAM	1	1		14.57		16.5	0.0
Channel				648968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1		14.99	14.94	14.97	16.5 0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1		15.00	15.00	15.02	16.5 0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1		14.99	14.92	14.93	16.5 0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1		15.00	14.90	14.98	16.5 0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1		15.02	14.91	14.99	16.5 0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1		14.93	14.93	14.96	16.5 0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1		15.01	14.92	14.98	16.5 0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1		14.99	14.99	14.94	16.5 0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1		15.01	14.98	14.94	16.5 0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1		14.97	14.96	14.95	16.5 0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1		15.01	14.98	14.97	16.5 0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Limit Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3550.01			
100	Pi2 BPSK	1	1		15.04			
100	Pi2 BPSK	1	137		14.81			
100	Pi2 BPSK	1	271		14.92			
100	Pi2 BPSK	135	0		14.98		16.5	0.0
100	Pi2 BPSK	135	69		14.97		16.5	0.0
100	Pi2 BPSK	135	138		14.88		16.5	0.0
100	Pi2 BPSK	270	0		14.77		16.5	0.0
100	QPSK	1	1		15.20			
100	QPSK	1	137		14.96			
100	QPSK	1	271		15.04		16.5	0.0
100	QPSK	135	0		14.76		16.5	0.0
100	QPSK	135	69		14.95		16.5	0.0
100	QPSK	135	138		14.82		16.5	0.0
100	QPSK	270	0		14.75		16.5	0.0
100	16QAM	1	1		14.87		16.5	0.0
100	64QAM	1	1		14.75		16.5	0.0
100	256QAM	1	1		14.68		16.5	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1		14.96	15.00	14.93	16.5 0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1		14.92	14.98	14.94	16.5 0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1		14.92	14.9	15.02	16.5 0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1		14.96	14.96	14.94	16.5 0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1		14.91	14.93	14.93	16.5 0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1		14.90	14.92	14.96	16.5 0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1		14.92	14.92	14.97	16.5 0.0
Channel				630534	633334	635934	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1		15.02	15.00	14.93	16.5 0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1		14.97	14.99	15.02	16.5 0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3457.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1		14.97	15.01	15.01	16.5 0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1		14.93	14.94	15.01	16.5 0.0

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BW (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)				3570	3624.99	3679.98		
40	PV2 BPSK	1	1	13.12	13.27	13.08		
40	PV2 BPSK	1	53	13.13	13.07	13.05	14.7	0.0
40	PV2 BPSK	1	104	13.07	13.15	13.01		
40	PV2 BPSK	50	0	13.17	13.15	13.05	14.7	0.0
40	PV2 BPSK	50	28	13.06	13.09	13.09	14.7	0.0
40	PV2 BPSK	50	56	12.93	13.16	13.01		
40	PV2 BPSK	100	0	13.07	13.22	13.11	14.7	0.0
40	QPSK	1	1	13.29	13.32	13.13		
40	QPSK	1	53	13.10	13.26	13.15	14.7	0.0
40	QPSK	1	104	13.17	13.29	13.12		
40	QPSK	50	0	12.97	12.89	12.85	14.7	0.0
40	QPSK	50	28	13.02	13.22	13.15	14.7	0.0
40	QPSK	50	56	12.85	12.85	12.87	14.7	0.0
40	QPSK	100	0	12.87	12.87	12.89		
40	16QAM	1	1	13.01	13.06	12.84	14.7	0.0
40	64QAM	1	1	12.94	13.15	12.87	14.7	0.0
40	256QAM	1	1	12.96	13.14	13.00	14.7	0.0
Channel								
Frequency (MHz)				3665.02	3624.99	3684.99		
30	QPSK	1	1	13.18	13.19	13.08	14.7	0.0
Channel								
Frequency (MHz)				637334	641666	646000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	13.22	13.27	12.97	14.7	0.0
Channel								
Frequency (MHz)				637168	641666	646166	Tune-up limit (dBm)	MPR
15	QPSK	1	1	13.17	13.21	13.08	14.7	0.0
Channel								
Frequency (MHz)				637000	641666	646332	Tune-up limit (dBm)	MPR
10	QPSK	1	1	13.17	13.20	13.01	14.7	0.0

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BW (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)				3700	3840	3920		
100	PV2 BPSK	1	1	12.66	12.70	12.78		
100	PV2 BPSK	1	137	12.54	12.65	12.60	14.1	0.0
100	PV2 BPSK	1	271	12.60	12.63	12.65		
100	PV2 BPSK	135	0	12.75	12.77	12.59	14.1	0.0
100	PV2 BPSK	135	69	12.56	12.60	12.50	14.1	0.0
100	PV2 BPSK	135	138	12.56	12.59	12.56		
100	PV2 BPSK	270	0	12.61	12.64	12.62	14.1	0.0
100	QPSK	1	1	12.83	12.86	12.71		
100	QPSK	1	137	12.66	12.85	12.58	14.1	0.0
100	QPSK	1	271	12.55	12.80	12.75		
100	QPSK	135	0	12.44	12.49	12.39	14.1	0.0
100	QPSK	135	69	12.56	12.70	12.68	14.1	0.0
100	QPSK	135	138	12.43	12.43	12.53	14.1	0.0
100	QPSK	270	0	12.23	12.40	12.35		
100	16QAM	1	1	12.41	12.61	12.54	14.1	0.0
100	64QAM	1	1	12.52	12.54	12.38	14.1	0.0
100	256QAM	1	1	12.56	12.55	12.40	14.1	0.0
Channel								
Frequency (MHz)				3745.02	3840	3935.01	Tune-up limit (dBm)	MPR
90	QPSK	1	1	12.70	12.78	12.60	14.1	0.0
Channel								
Frequency (MHz)				646334	650000	652668	Tune-up limit (dBm)	MPR
80	QPSK	1	1	12.72	12.74	12.59	14.1	0.0
Channel								
Frequency (MHz)				646000	650000	653000	Tune-up limit (dBm)	MPR
70	QPSK	1	1	12.71	12.71	12.65	14.1	0.0
Channel								
Frequency (MHz)				646868	650000	653334	Tune-up limit (dBm)	MPR
60	QPSK	1	1	12.74	12.75	12.58	14.1	0.0
Channel								
Frequency (MHz)				647000	650000	652504	Tune-up limit (dBm)	MPR
50	QPSK	1	1	12.68	12.76	12.60	14.1	0.0
Channel								
Frequency (MHz)				648000	650000	654000	Tune-up limit (dBm)	MPR
40	QPSK	1	1	12.75	12.78	12.66	14.1	0.0
Channel								
Frequency (MHz)				647668	650000	654334	Tune-up limit (dBm)	MPR
30	QPSK	1	1	12.71	12.73	12.65	14.1	0.0
Channel								
Frequency (MHz)				647500	650000	654500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	12.68	12.79	12.58	14.1	0.0
Channel								
Frequency (MHz)				647200	650000	654668	Tune-up limit (dBm)	MPR
20	QPSK	1	1	12.76	12.75	12.57	14.1	0.0
Channel								
Frequency (MHz)				647168	650000	654834	Tune-up limit (dBm)	MPR
15	QPSK	1	1	12.74	12.80	12.62	14.1	0.0
Channel								
Frequency (MHz)				647000	650000	655000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	12.74	12.76	12.62	14.1	0.0

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BW (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)				3800.01	633334			
100	PV2 BPSK	1	1	12.48				
100	PV2 BPSK	1	137	12.39			14.1	0.0
100	PV2 BPSK	1	271	12.34				
100	PV2 BPSK	135	0	12.48			14.1	0.0
100	PV2 BPSK	135	69	12.41			14.1	0.0
100	PV2 BPSK	135	138	12.28				
100	PV2 BPSK	270	0	12.29			14.1	0.0
100	QPSK	1	1	12.49				
100	QPSK	1	137	12.37			14.1	0.0
100	QPSK	1	271	12.43				
100	QPSK	135	0	12.23			14.1	0.0
100	QPSK	135	69	12.32			14.1	0.0
100	QPSK	135	138	12.17			14.1	0.0
100	QPSK	270	0	12.20				
100	16QAM	1	1	12.23			14.1	0.0
100	64QAM	1	1	12.28			14.1	0.0
100	256QAM	1	1	12.32			14.1	0.0
Channel								
Frequency (MHz)				633000	633334	633668	Tune-up limit (dBm)	MPR
90	QPSK	1	1	12.33	12.37	12.30	14.1	0.0
Channel								
Frequency (MHz)				632668	633334	634000	Tune-up limit (dBm)	MPR
80	QPSK	1	1	12.30	12.31	12.28	14.1	0.0
Channel								
Frequency (MHz)				632334	633334	634334	Tune-up limit (dBm)	MPR
70	QPSK	1	1	12.23	12.23	12.21	14.1	0.0
Channel								
Frequency (MHz)				632000	633334	634668	Tune-up limit (dBm)	MPR
60	QPSK	1	1	12.28	12.27	12.35	14.1	0.0
Channel								
Frequency (MHz)				631504	633334	635000	Tune-up limit (dBm)	MPR
50	QPSK	1	1	12.27	12.26	12.35	14.1	0.0
Channel								
Frequency (MHz)				631334	633334	635334	Tune-up limit (dBm)	MPR
40	QPSK	1	1	12.31	12.30	12.30	14.1	0.0
Channel								
Frequency (MHz)				631000	633334	635668	Tune-up limit (dBm)	MPR
30	QPSK	1	1	12.31	12.31	12.29	14.1	0.0
Channel								
Frequency (MHz)				630834	633334	635934	Tune-up limit (dBm)	MPR
25	QPSK	1	1	12.26	12.34	12.25	14.1	0.0
Channel								
Frequency (MHz)				630500	633334	636168	Tune-up limit (dBm)	MPR
20	QPSK	1	1	12.29	12.28	12.28	14.1	0.0
Channel								
Frequency (MHz)				630000	633334	636334	Tune-up limit (dBm)	MPR
15	QPSK	1	1	12.30	12.29	12.25	14.1	0.0
Channel								
Frequency (MHz)				630334	633334	636334	Tune-up limit (dBm)	MPR
10	QPSK	1	1	12.27	12.33	12.32	14.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	Pi2 BPSK	1	1		12.53		14.1	0.0
100	Pi2 BPSK	1	137		12.48			
100	Pi2 BPSK	1	271		12.41			
100	Pi2 BPSK	135	0		12.51		14.1	0.0
100	Pi2 BPSK	135	69		12.35		14.1	0.0
100	Pi2 BPSK	135	138		12.34		14.1	0.0
100	Pi2 BPSK	270	0		12.38		14.1	0.0
100	QPSK	1	1		12.64		14.1	0.0
100	QPSK	1	197		12.59			
100	QPSK	1	271		12.62			
100	QPSK	135	0		12.22		14.1	0.0
100	QPSK	135	69		12.42		14.1	0.0
100	QPSK	135	138		12.26		14.1	0.0
100	QPSK	270	0		12.33		14.1	0.0
100	16QAM	1	1		12.30		14.1	0.0
100	64QAM	1	1		12.35		14.1	0.0
100	256QAM	1	1		12.26		14.1	0.0
Channel				649968	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.47	12.44	12.48	14.1	0.0
Channel				649334	650000	650968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.44	12.42	12.50	14.1	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.44	12.42	12.42	14.1	0.0
Channel				648968	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.49	12.43	12.52	14.1	0.0
Channel				648334	650000	651068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.41	12.43	12.49	14.1	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.41	12.50	12.48	14.1	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.43	12.45	12.44	14.1	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	12.49	12.44	12.50	14.1	0.0
Channel				647334	650000	653068	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.40	12.47	12.50	14.1	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.02	3750	3792.01		
15	QPSK	1	1	12.42	12.41	12.51	14.1	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	12.42	12.49	12.50	14.1	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Upper Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	Pi2 BPSK	1	1		12.39		14.1	0.0
100	Pi2 BPSK	1	137		12.36			
100	Pi2 BPSK	1	271		12.30			
100	Pi2 BPSK	135	0		12.43		14.1	0.0
100	Pi2 BPSK	135	69		12.32		14.1	0.0
100	Pi2 BPSK	135	138		12.31		14.1	0.0
100	Pi2 BPSK	270	0		12.31		14.1	0.0
100	QPSK	1	1		12.53		14.1	0.0
100	QPSK	1	197		12.43			
100	QPSK	1	271		12.41			
100	QPSK	135	0		12.17		14.1	0.0
100	QPSK	135	69		12.46		14.1	0.0
100	QPSK	135	138		12.16		14.1	0.0
100	QPSK	270	0		12.33		14.1	0.0
100	16QAM	1	1		12.30		14.1	0.0
100	64QAM	1	1		12.22		14.1	0.0
100	256QAM	1	1		12.26		14.1	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.36	12.33	12.37	14.1	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.38	12.42	12.33	14.1	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.35	12.32	12.32	14.1	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.42	12.32	12.33	14.1	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.39	12.35	12.41	14.1	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.43	12.32	12.36	14.1	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.42	12.39	12.39	14.1	0.0
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	12.36	12.43	12.38	14.1	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.37	12.38	12.35	14.1	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.0	3500.01	3542.02		
15	QPSK	1	1	12.42	12.40	12.33	14.1	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	12.41	12.36	12.33	14.1	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				509202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.58	15.62	15.52		
100	PI/2 BPSK	1	137	15.43	15.49	15.50	16.4	0.0
100	PI/2 BPSK	1	271	15.44	15.56	15.28		
100	PI/2 BPSK	135	0	15.59	15.63	15.47	16.4	0.0
100	PI/2 BPSK	135	69	15.44	15.50	15.47	16.4	0.0
100	PI/2 BPSK	135	138	15.38	15.55	15.28		
100	PI/2 BPSK	270	0	15.43	15.48	15.50	16.4	0.0
100	QPSK	1	1	15.53	15.68	15.64		
100	QPSK	1	137	15.50	15.57	15.51	16.4	0.0
100	QPSK	1	271	15.50	15.71	15.52		
100	QPSK	135	0	15.25	15.42	15.42	16.4	0.0
100	QPSK	135	69	15.40	15.55	15.49	16.4	0.0
100	QPSK	135	138	15.29	15.30	15.33	16.4	0.0
100	QPSK	270	0	15.10	15.35	15.37		
100	16QAM	1	1	15.31	15.45	15.34	16.4	0.0
100	64QAM	1	1	15.37	15.35	15.32	16.4	0.0
100	256QAM	1	1	15.34	15.45	15.34	16.4	0.0
Channel				506200	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	15.43	15.50	15.38	16.4	0.0
Channel				507204	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2649.99	(dBm)	(dB)
80	QPSK	1	1	15.36	15.49	15.35	16.4	0.0
Channel				506202	518998	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	15.41	15.52	15.36	16.4	0.0
Channel				506200	518998	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	15.34	15.50	15.37	16.4	0.0
Channel				504204	518998	533998	Tune-up limit	MPR
Frequency (MHz)				2521.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	15.43	15.52	15.40	16.4	0.0
Channel				503700	518998	533498	Tune-up limit	MPR
Frequency (MHz)				2518.5	2592.99	2667.48	(dBm)	(dB)
40	QPSK	1	1	15.45	15.52	15.37	16.4	0.0
Channel				502202	518998	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
30	QPSK	1	1	15.42	15.58	15.38	16.4	0.0
Channel				502704	518998	534498	Tune-up limit	MPR
Frequency (MHz)				2513.52	2592.99	2672.49	(dBm)	(dB)
20	QPSK	1	1	15.33	15.48	15.40	16.4	0.0
Channel				502200	518998	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
15	QPSK	1	1	15.39	15.55	15.35	16.4	0.0
Channel				501702	518998	535500	Tune-up limit	MPR
Frequency (MHz)				2508.51	2592.99	2677.5	(dBm)	(dB)
10	QPSK	1	1	15.38	15.54	15.38	16.4	0.0



<5.2GHz WLAN>

Ant 6		Full Power		Head Standalone		Head Simultaneous		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.14	19.50	16.50	11.50	97.22
		44	5220	18.01	19.50	16.50	11.50	
		48	5240	17.84	19.50	16.50	11.50	
		56	5180	18.03	19.50	16.50	11.50	
	802.11n-HT20 MCS0	44	5220	17.68	19.50	16.50	11.50	96.30
		48	5240	17.84	19.50	16.50	11.50	
		56	5180	17.67	19.00	Not Required	Not Required	
		46	5230	19.75	21.50	16.50	11.50	
	802.11n-HT40 MCS0	36	5180	17.55	19.50	16.50	11.50	94.20
		44	5220	17.59	19.50	16.50	11.50	
		46	5240	17.66	19.50	16.50	11.50	
		48	5220	17.59	19.50	16.50	11.50	
	802.11ac-VHT20 MCS0	36	5180	17.55	19.50	16.50	11.50	94.29
		44	5220	19.67	21.00	16.50	11.50	
		46	5240	18.22	20.00	14.59	8.99	
		48	5220	18.62	20.00	16.50	11.50	
	802.11ac-VHT80 MCS0	36	5180	18.62	20.00	16.50	11.50	96.19
		44	5220	18.69	20.00	16.50	11.50	
		46	5240	19.57	20.00	16.50	11.50	
		48	5220	18.69	20.00	16.50	11.50	
	802.11ax-HE40 MCS0	36	5190	17.78	19.50	Not Required	Not Required	91.38
		46	5230	19.91	21.50	16.50	11.50	
		42	5210	15.01	16.50	16.50	11.50	
		42	5210	15.01	16.50	16.50	11.50	

<5.3GHz WLAN>

Ant 6		Full Power		Head Standalone		Head Simultaneous		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	
5.3GHz WLAN	802.11a 6Mbps	52	5260	18.07	19.50	16.50	11.50	97.22
		60	5300	18.28	20.00	16.50	11.50	
		68	5320	18.09	19.50	16.50	11.50	
		52	5260	17.97	19.50	16.50	11.50	
	802.11n-HT20 MCS0	60	5300	18.09	19.50	16.50	11.50	96.30
		64	5320	18.45	19.50	16.50	11.50	
		54	5270	19.75	21.50	16.50	11.50	
		62	5310	19.23	21.00	16.50	11.50	
	802.11n-HT40 MCS0	54	5270	18.89	19.50	16.50	11.50	94.20
		60	5300	17.95	19.50	16.50	11.50	
		62	5310	18.92	20.00	16.50	11.50	
		54	5270	19.68	21.50	16.50	11.50	
	802.11ac-VHT20 MCS0	54	5270	18.15	20.50	16.50	11.50	94.29
		58	5290	18.14	17.50	15.10	10.10	
		52	5260	18.49	20.00	16.50	11.50	
		60	5300	17.95	19.50	16.50	11.50	
	802.11ax-HE20 MCS0	52	5260	18.37	20.00	16.50	11.50	96.19
		64	5320	18.36	20.00	16.50	11.50	
		54	5270	19.94	21.50	16.50	11.50	
		62	5310	18.38	20.00	16.50	11.50	
	802.11ax-HE80 MCS0	58	5290	16.14	17.50	16.50	11.50	87.88
		58	5290	16.14	17.50	16.50	11.50	
		58	5290	16.14	17.50	16.50	11.50	
		58	5290	16.14	17.50	16.50	11.50	

<5.5GHz WLAN>

Ant 6		Full Power		Head Standalone		Head Simultaneous		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.58	19.50	17.00	12.00	97.22
		116	5580	18.17	19.50	17.00	12.00	
		140	5700	18.24	20.00	17.00	12.00	
		144	5720	18.16	19.50	17.00	12.00	
	802.11n-HT20 MCS0	100	5500	18.08	19.50	17.00	12.00	96.30
		116	5580	18.30	20.00	17.00	12.00	
		140	5700	17.69	19.50	17.00	12.00	
		144	5720	18.11	20.00	17.00	12.00	
	802.11n-HT40 MCS0	102	5510	18.73	20.50	17.00	12.00	94.20
		110	5550	18.98	20.50	17.00	12.00	
		134	5670	18.63	20.00	17.00	12.00	
		142	5710	18.84	20.50	17.00	12.00	
	802.11ac-VHT20 MCS0	100	5500	18.11	19.50	17.00	12.00	97.04
		116	5580	18.27	20.00	17.00	12.00	
		140	5700	17.61	19.00	17.00	12.00	
		144	5720	18.23	20.00	17.00	12.00	
	802.11ac-VHT40 MCS0	102	5510	18.65	20.50	17.00	12.00	94.29
		110	5550	19.00	20.50	17.00	12.00	
		134	5670	18.54	20.00	17.00	12.00	
		142	5710	18.76	20.50	17.00	12.00	
	802.11ac-VHT80 MCS0	106	5530	15.48	17.00	15.48	10.48	86.49
		122	5610	18.71	20.00	15.21	10.50	
		138	5690	19.00	20.50	15.50	10.50	
		142	5710	18.76	20.50	17.00	12.00	
	802.11ax-HE20 MCS0	100	5500	18.38	20.00	17.00	12.00	96.19
		116	5580	18.45	20.00	17.00	12.00	
		140	5700	17.95	19.50	17.00	12.00	
		144	5720	18.41	20.00	17.00	12.00	
	802.11ax-HE40 MCS0	102	5510	19.01	20.50	17.00	12.00	91.38
		110	5550	19.36	21.00	17.00	12.00	
		134	5670	19.19	20.50	17.00	12.00	
		142	5710	19.19	20.50	17.00	12.00	
	802.11ax-HE80 MCS0	106	5530	15.51	17.00	17.00	12.00	87.88
		122	5610	18.77	20.50	17.00	12.00	
		138	5690	19.09	20.50	17.00	12.00	
		142	5710	18.77	20.50	17.00	12.00	

<5.8GHz WLAN>

Ant 6		Full Power		Head Standalone		Head Simultaneous		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	
5.8GHz WLAN	802.11a 6Mbps	148	5745	19.44	21.00	18.00	13.00	97.22
		157	5785	19.11	20.50	18.00	13.00	
		165	5825	19.28	21.00	18.00	13.00	
		149	5745	19.32	21.00	18.00	13.00	
	802.11n-HT20 MCS0	157	5785	19.15	20.50	18.00	13.00	96.30
		165	5825	19.25	21.00	18.00	13.00	
		151	5765	19.05	21.00	18.00	13.00	
		159	5795	19.34	21.00	18.00	13.00	
	802.11n-HT40 MCS0	149	5745	19.21	21.00	18.00	13.00	94.20
		157	5785	19.04	20.50	18.00	13.00	
		165	5825	19.14	20.50	18.00	13.00	
		151	5765	19.08	21.00	18.00	13.00	
	802.11ac-VHT20 MCS0	157	5785	19.04	20.50	18.00	13.00	97.04
		165	5825	19.14	20.50	18.00	13.00	
		149	5745	19.21	21.00	18.00	13.00	
		159	5795	19.47	21.00	18.00	13.00	
	802.11ac-VHT40 MCS0	155	5775	19.82	21.50	18.42	13.00	94.29
		149	5745	19.42	21.00	18.00	13.00	
		157	5785	19.36	21.00	18.00	13.00	
		165	5825	19.30	21.00	18.00	13.00	
	802.11ax-HE20 MCS0	151	5765	19.02	21.50	18.00	13.00	96.23
		159	5795	19.78	21.50	18.00	13.00	
		155	5775	19.87	21.50	18.00	13.00	
		155	5775	19.87	21.50	18.00	13.00	

5.2GHz WLAN	Ant 10		Full Power Head Standalone Head Simultaneous			
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Duty Cycle %
	802.11a 6Mbps	36	5180	18.10	19.50	97.22
		44	5220	17.62	19.00	
		48	5240	17.16	18.50	
		56	5180	18.17	19.50	
	802.11n-HT20 MCS0	44	5220	17.68	19.50	96.30
		48	5240	17.58	19.00	
		56	5180	18.07	19.50	
		46	5230	19.53	21.00	
802.11n-HT40 MCS0	36	5180	17.57	19.50	94.12	
	44	5220	17.59	19.50		
802.11ac-HT40 MCS0	46	5240	17.45	19.00	97.04	
5.8GHz WLAN <td rowspan="4">802.11ac-HT40 MCS0</td> <td>36</td> <td>5190</td> <td>17.57</td> <td>19.00</td> <td rowspan="4">94.29</td>	802.11ac-HT40 MCS0	36	5190	17.57	19.00	94.29
		46	5230	19.45	21.00	
		48	5220	16.88	18.50	
		52	5200	16.88	18.50	
	802.11ax-HE20 MCS0	36	5180	16.69	20.00	96.46
		44	5220	16.38	20.00	
		48	5240	16.28	20.00	
		52	5180	16.38	20.00	
	802.11ax-HE40 MCS0	36	5190	17.69	19.00	91.23
		46	5230	19.70	21.00	
802.11ax-HE80 MCS0	36	5190	17.65	19.50	87.88	
	42	5210	14.75	16.50		



<2.4GHz WLAN>

Ant 3			Full Power		Head Standalone/Head DBS only		Head Non DBS Simultaneous		Head DBS Simultaneous		Body Standalone		Body-worn Non DBS Simultaneous		Body-worn DBS only		Body-worn DBS Simultaneous		Hotspot		Hotspot DBS Simultaneous		Extremity Non DBS Simultaneous		Extremity DBS only		Extremity DBS Simultaneous			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %	
802.11a 1Mbps	1	2412	19.83	21.50	17.02	18.50	11.58	13.00	8.52	10.00	19.00	20.50	13.56	15.00	16.56	18.00	10.55	12.00	15.53	17.00	12.51	14.00	16.00	17.50	19.00	20.50	13.05	14.50	99.92	
	6	2437	20.12	21.50	17.36	19.00	11.87	13.00	8.91	10.00	19.36	20.50	13.81	15.00	16.76	18.00	11.01	12.00	15.82	17.00	12.78	14.00	16.35	17.50	19.38	20.50	13.30	14.50		
	11	2462	19.70	21.50	16.86	18.00	11.39	13.00	8.42	10.00	18.85	20.50	13.36	15.00	16.31	18.00	10.50	12.00	15.38	17.00	12.34	14.00	15.94	17.50	19.85	20.50	12.88	14.50		
	2	2412	15.72	17.50	17.50	13.00		13.00	10.00	15.72	17.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		14.50			
802.11g 6Mbps	2	2417	17.17	20.00	19.50	13.00		13.00	10.00	17.17	20.00		13.00		18.00		12.00		17.00		14.00		17.50		17.50		20.00	14.50	97.20	
	6	2437	19.49	21.00	18.50	13.00		13.00	10.00	19.49	20.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		14.50			
	11	2462	18.04	19.50	18.50	13.00		13.00	10.00	18.04	19.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		19.50	14.50		
	1	2412	15.23	17.00	17.00	13.00		13.00	10.00	15.23	17.00		15.00		18.00		12.00		17.00		14.00		17.50		17.50		14.50			
2.4GHz WLAN	802.11n-HT20 MCS0	2	2417	16.58	18.00	18.00	13.00		13.00	10.00	16.58	18.00		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.00	14.50	97.01
	6	2437	19.82	21.00	18.50	13.00		13.00	10.00	19.82	20.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		14.50			
	11	2462	16.03	18.00	18.00	13.00		13.00	10.00	16.03	18.00		15.00		18.00		12.00		17.00		14.00		17.50		17.50		14.50			
	3	2422	16.03	17.50	16.03	17.50		13.00	Not Required	10.00	17.50		Not Required		18.00		12.00		17.00		14.00		17.50		17.50		18.00	14.50		
802.11n-HT40 MCS0	6	2437	16.76	18.50	16.76	18.50		13.00	Not Required	10.00	18.50		Not Required		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50	94.20	
	9	2462	16.79	18.50	16.79	18.50		13.00	Not Required	10.00	18.50		Not Required		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		
	1	2412	15.35	17.00	17.00	13.00		13.00	10.00	15.35	17.00		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		
	2	2417	16.70	18.00	17.00	13.00		13.00	10.00	16.70	18.00		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		
802.11ax-HE20 MCS0	6	2437	19.60	21.00	18.50	13.00		13.00	10.00	19.60	20.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		20.50	14.50	99.63	
	11	2462	16.79	18.50	18.50	13.00		13.00	10.00	16.79	18.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		
	3	2422	16.35	18.00	18.00	13.00		13.00	10.00	16.35	18.00		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		
	6	2437	16.84	18.50	18.50	13.00		13.00	10.00	16.84	18.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		
802.11ax-HE40 MCS0	6	2437	16.84	18.50	18.50	13.00		13.00	10.00	16.84	18.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50	92.98	
	9	2462	16.84	18.50	18.50	13.00		13.00	10.00	16.84	18.50		15.00		18.00		12.00		17.00		14.00		17.50		17.50		18.50	14.50		

<5.2GHz WLAN>

Ant 6		Full Power		Body-worn Standalone		Body-worn Simultaneous		Body-worn DBS only		Body-worn DBS Simultaneous		Hotspot		Hotspot DBS Simultaneous		Extremity Standalone		Extremity Simultaneous		Extremity DBS only		Extremity DBS Simultaneous		Duty Cycle %					
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.21	19.00	17.00		11.00	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.50		
		44	5220	18.02	19.50	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.50		
		48	5240	18.17	19.50	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.50		
		36	5180	17.49	19.00	17.00	Not Required	11.00	15.00	8.50	13.00	Not Required	10.00	13.00	Not Required	10.00	13.00	Not Required	19.00	14.50	17.50	11.50	11.50	96.50					
	802.11n-HT20 MCS0	44	5220	17.95	19.50	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.30		
		48	5240	18.06	19.50	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.30		
		36	5180	13.27	15.00	13.27	15.00		11.50	13.27	15.00		8.50	11.47		10.00	13.27	15.00	12.98	14.50	13.27	15.00		11.50		94.20			
		44	5220	17.87	19.50	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		97.04		
	802.11ac-VHT40 MCS0	48	5240	19.88	21.00	18.50	13.00		11.50	19.88	21.00		15.00	17.86		10.00	19.88	21.00	13.33	14.50	19.88	21.00		11.50		94.20			
		36	5180	17.41	19.00	17.00		11.00	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		94.20		
		44	5220	17.87	19.50	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		97.04		
		48	5240	19.88	21.00	18.50	13.00		11.50	19.88	21.00		15.00	17.86		10.00	19.88	21.00	13.33	14.50	19.88	21.00		11.50		94.20			
5.2GHz WLAN	802.11ac-VHT80 MCS0	36	5180	13.18	14.50	14.50	15.00		11.50	13.18	14.50		8.50	13.00		10.00	13.18	14.50	14.50	15.00	13.18	14.50		11.50		94.20			
		48	5230	19.51	21.00	17.00		11.00	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		94.20		
		42	5210	10.01	11.50	11.50	10.01	11.50		11.50	7.06	8.50		11.50	8.55		10.00	11.50	11.50	11.50	10.01	11.50		11.50		86.49			
		36	5180	17.58	19.00	17.00	Not Required	11.00	15.00	8.50	13.00	Not Required	10.00	13.00	Not Required	10.00	13.00	Not Required	19.00	14.50	17.50	11.50	11.50	96.19					
	802.11ax-HE20 MCS0	44	5220	18.69	20.00	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.19		
		48	5240	18.60	20.00	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		96.19		
		36	5180	13.50	15.00	15.00	13.50		11.00	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		92.88	
		46	5230	19.77	21.00	17.00		11.50	15.00	8.50	13.00		10.00		10.00		19.00		14.50		17.50		11.50		11.50		92.88		
	802.11ax-HE80 MCS0	42	5210	10.00	11.50	11.50		11.50	11.50	8.50	11.50		8.50	11.50		10.00		11.50		11.50		11.50		11.50		97.58			



Art 5		Full Power		Head Standalone/Head DBS only		Head Non DBS Simultaneous		Head DBS Simultaneous		Body Standalone		Body-worn Non DBS Simultaneous		Body-worn DBS only		Body-worn DBS Simultaneous		Hotspot		Hotspot DBS Simultaneous		Extremity Non DBS Simultaneous		Extremity DBS only		Extremity DBS Simultaneous				
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle	
2.4GHz WLAN	802.11a Mbps	1	2412	20.66	22.00	17.13	18.50	11.59	13.00	8.67	10.00	18.91	20.50	13.33	15.00	16.65	18.00	10.32	12.00	15.63	17.00	12.60	14.00	16.13	17.50	19.98	21.50	13.16	14.50	99.92
		6	2437	20.85	22.50	16.98	18.50	11.42	13.00	8.38	10.00	18.92	20.50	13.20	15.00	16.28	18.00	10.31	12.00	15.50	17.00	12.48	14.00	16.00	17.50	20.14	21.50	13.03	14.50	
		11	2412	16.57	18.00	18.00	18.00	13.00	13.00	10.00	16.67	18.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	18.00	18.00	14.50	14.50	
		6	2417	16.58	18.00	18.00	18.00	13.00	13.00	10.00	18.58	20.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	18.00	18.00	14.50	14.50	
	802.11g Mbps	6	2437	20.27	22.00	18.00	18.00	13.00	13.00	10.00	20.27	20.50	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	21.50	21.50	14.50	14.50	97.20
		11	2402	18.62	20.00	Not Required	18.50	13.00	13.00	10.00	18.62	20.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	21.50	21.50	14.50	14.50	
		1	2412	16.50	17.50	17.50	17.50	13.00	13.00	10.00	17.50	17.50	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	18.00	18.00	14.50	14.50	
		2	2417	17.19	18.50	18.50	18.50	13.00	13.00	10.00	18.50	18.50	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	18.50	18.50	14.50	14.50	
	802.11n-HT20 MCS0	1	2402	20.67	21.50	18.00	18.00	13.00	13.00	10.00	20.67	21.50	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.50	19.50	14.50	14.50	97.01
		6	2437	20.07	21.50	18.00	18.00	13.00	13.00	10.00	20.07	21.50	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.50	19.50	14.50	14.50	
		11	2402	16.80	18.50	18.50	18.50	13.00	13.00	10.00	16.80	18.50	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	18.50	18.50	14.50	14.50	
		2	2417	17.41	19.00	17.22	19.00	13.00	13.00	10.00	17.41	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.50	19.50	14.50	14.50	
802.11n-HT40 MCS0	6	2437	17.50	19.00	17.12	19.00	13.00	13.00	10.00	17.50	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.50	19.50	14.50	14.50	94.12	
	11	2412	16.31	18.00	18.00	18.00	13.00	13.00	10.00	16.31	18.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	18.50	18.50	14.50	14.50		
	1	2417	17.33	19.00	19.00	19.00	13.00	13.00	10.00	17.33	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.50	19.50	14.50	14.50		
	6	2437	20.21	22.00	18.50	18.50	13.00	13.00	10.00	20.21	22.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	21.50	21.50	14.50	14.50		
802.11n-HE20 MCS0	11	2402	17.59	19.00	18.50	18.50	13.00	13.00	10.00	17.59	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.00	19.00	14.50	14.50	99.63	
	6	2437	17.68	19.00	18.50	18.50	13.00	13.00	10.00	17.68	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.00	19.00	14.50	14.50		
	1	2417	17.68	19.00	18.50	18.50	13.00	13.00	10.00	17.68	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.00	19.00	14.50	14.50		
	6	2437	17.68	19.00	18.50	18.50	13.00	13.00	10.00	17.68	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.00	19.00	14.50	14.50		
802.11n-HE40 MCS0	5	2402	17.62	19.00	18.50	18.50	13.00	13.00	10.00	17.62	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.00	19.00	14.50	14.50	92.98	
	11	2412	16.31	18.00	18.00	18.00	13.00	13.00	10.00	16.31	18.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.00	19.00	14.50	14.50		
	1	2417	17.33	19.00	19.00	19.00	13.00	13.00	10.00	17.33	19.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	19.50	19.50	14.50	14.50		
	6	2437	20.21	22.00	18.50	18.50	13.00	13.00	10.00	20.21	22.00	18.00	15.00	15.00	18.00	18.00	12.00	12.00	17.00	17.00	14.00	14.00	17.50	17.50	21.50	21.50	14.50	14.50		

	Art 7		Full Power		Body-worn Standalone		Body-worn Simultaneous		Body-worn DBS only		Body-worn DBS Simultaneous		Hotspot		Hotspot DBS Simultaneous		Extremity Standalone		Extremity Simultaneous		Extremity DBS only		Extremity DBS Simultaneous		Duty Cycle %		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)		Time-Up Limit	
5.8GHz WLAN	802.11a EMbps	36	5180	16.94	18.50	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	97.20	97.20	11.00	11.00	17.50	17.50	11.00	11.00	97.20	
		44	5220	17.60	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	96.30	96.30	11.00	11.00	17.50	17.50	11.00	11.00	96.30	
		48	5240	17.63	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	96.30	96.30	11.00	11.00	17.50	17.50	11.00	11.00	96.30	
		44	5220	17.52	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	96.30	96.30	11.00	11.00	17.50	17.50	11.00	11.00	96.30	
	802.11n-HT20 MCS0	48	5240	17.39	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	94.20	94.20	11.00	11.00	17.50	17.50	11.00	11.00	94.20	
		36	5180	16.31	18.50	14.18	14.50	11.00	13.18	14.50	13.18	14.50	13.18	14.50	13.18	14.50	13.18	14.50	94.20	94.20	11.00	11.00	17.50	17.50	11.00	11.00	94.20
		44	5220	17.43	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	97.04	97.04	11.00	11.00	17.50	17.50	11.00	11.00	97.04	
		48	5240	17.40	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	94.20	94.20	11.00	11.00	17.50	17.50	11.00	11.00	94.20	
	802.11ac-VHT20 MCS0	36	5180	17.33	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	97.04	97.04	11.00	11.00	17.50	17.50	11.00	11.00	97.04	
		44	5220	17.43	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	94.20	94.20	11.00	11.00	17.50	17.50	11.00	11.00	94.20	
		48	5240	17.40	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	94.20	94.20	11.00	11.00	17.50	17.50	11.00	11.00	94.20	
		36	5180	13.09	14.50	14.50	11.00	14.50	8.50	13.00	10.00	10.00	18.00	14.50													
802.11ac-VHT80 MCS0	44	5220	19.62	20.50	20.50	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	86.49	86.49	11.00	11.00	17.50	17.50	11.00	11.00	86.49		
	42	5210	9.55	11.00	11.00	9.55	11.00	11.00	6.89	8.50	11.00	8.77	10.00	11.00	11.00	11.00	11.00	9.55	11.00	11.00	11.00	9.55	11.00	86.49			
	36	5180	17.07	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	96.23	96.23	11.00	11.00	17.50	17.50	11.00	11.00	96.23		
	48	5240	17.08	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	96.23	96.23	11.00	11.00	17.50	17.50	11.00	11.00	96.23		
802.11ax-HE40 MCS0	36	5180	19.37	20.00	20.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	92.98	92.98	11.00	11.00	17.50	17.50	11.00	11.00	92.98		
	48	5240	19.37	21.00	21.00	11.00	15.50	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	92.98	92.98	11.00	11.00	17.50	17.50	11.00	11.00	92.98		
	42	5210	9.62	11.00	11.00	11.00	11.00	11.00	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	87.98	87.98	11.00	11.00	17.50	17.50	11.00	11.00	87.98	
	42	5210	9.62	11.00	11.00	11.00	11.00	11.00	8.50	13.00	10.00	10.00	18.00	14.50	17.50	11.00	11.00	87.98	87.98	11.00	11.00	17.50	17.50	11.00	11.00	87.98	

Ant 3+5		Full Power		Head Standalone/Head DBS only		Head Non DBS Simultaneous		Head DBS Simultaneous		Body Standalone		Body-worn Non DBS Simultaneous		Body-worn DBS only		Body-worn DBS Simultaneous		Hotspot		Hotspot DBS Simultaneous		Extremely Non DBS Simultaneous		Extremely DBS only		Extremely DBS Simultaneous			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %		
802.11b Mbps	6	2412	23.28	25.00	19.94	21.50	14.47	16.00	11.48	13.00	21.83	23.50	16.46	18.00	19.61	21.00	13.45	15.00	18.44	20.00	15.42	17.00	16.93	20.50	22.30	24.00	15.98	17.50	99.92
	11	2462	23.32	25.00	19.79	21.50	14.31	16.00	11.31	13.00	21.79	23.50	16.29	18.00	19.26	21.00	13.37	15.00	18.30	20.00	15.27	17.00	16.83	20.50	22.30	24.00	15.82	17.50	
	1	2412	19.18	21.00	21.00	21.00	16.00	16.00	13.00	19.18	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	2	2417	21.30	23.00	21.50	21.50	16.00	16.00	13.00	21.30	22.80	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	6	2437	22.91	24.50	21.50	21.50	16.00	16.00	13.00	22.91	23.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	11	2462	21.30	23.00	21.50	21.50	16.00	16.00	13.00	21.30	22.80	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
802.11g Mbps	1	2412	19.18	21.00	21.00	21.00	16.00	16.00	13.00	19.18	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50	97.20	
	6	2437	22.91	24.50	21.50	21.50	16.00	16.00	13.00	22.91	23.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	11	2462	21.30	23.00	21.50	21.50	16.00	16.00	13.00	21.30	22.80	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	1	2412	18.64	20.30	20.30	20.30	16.00	16.00	13.00	18.64	20.30	20.30	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	2	2417	19.91	21.50	21.50	21.50	16.00	16.00	13.00	19.91	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	6	2437	22.81	24.50	21.50	21.50	16.00	16.00	13.00	22.81	23.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
802.11n-HT20 MCS0	1	2412	20.04	21.00	21.00	21.00	16.00	16.00	13.00	20.04	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50	97.01	
	3	2422	19.44	21.00	19.44	21.00	16.00	16.00	13.00	19.44	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	5	2422	20.17	22.00	19.65	21.50	16.00	16.00	13.00	20.17	22.00	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	11	2462	20.04	21.00	21.00	21.00	16.00	16.00	13.00	20.04	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	3	2422	19.44	21.00	19.44	21.00	16.00	16.00	13.00	19.44	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	5	2422	20.17	22.00	19.65	21.50	16.00	16.00	13.00	20.17	22.00	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
802.11n-HT40 MCS0	1	2412	18.87	20.50	20.50	20.50	16.00	16.00	13.00	18.87	20.50	20.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50	94.20	
	6	2437	22.83	24.50	21.50	21.50	16.00	16.00	13.00	22.83	23.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	11	2462	20.22	22.00	21.50	21.50	16.00	16.00	13.00	20.22	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	1	2412	18.87	20.50	20.50	20.50	16.00	16.00	13.00	18.87	20.50	20.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	6	2437	22.83	24.50	21.50	21.50	16.00	16.00	13.00	22.83	23.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	11	2462	20.22	22.00	21.50	21.50	16.00	16.00	13.00	20.22	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
802.11ax-HE20 MCS0	1	2422	19.12	21.00	21.00	21.00	16.00	16.00	13.00	19.12	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50	99.63	
	6	2437	20.29	22.00	21.50	21.50	16.00	16.00	13.00	20.29	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	11	2462	20.22	22.00	21.50	21.50	16.00	16.00	13.00	20.22	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	1	2422	19.12	21.00	21.00	21.00	16.00	16.00	13.00	19.12	21.00	21.00	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	6	2437	20.29	22.00	21.50	21.50	16.00	16.00	13.00	20.29	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		
	9	2452	20.52	22.00	21.50	21.50	16.00	16.00	13.00	20.52	21.50	21.50	18.00	21.00	21.00	21.00	15.00	15.00	20.00	20.00	17.00	17.00	20.50	20.50	21.00	21.00	17.50		

Ant 6+7		Full Power		Body-worn Standalone		Body-worn Simultaneous		Body-worn DBS only		Hotspot		Hotspot DBS Simultaneous		Extremely Standalone		Extremely Simultaneous		Extremely DBS only		Extremely DBS Simultaneous			
Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a EMbps	36	5180	20.09	22.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	21.80	17.50	20.50	14.50	14.50	20.50	14.50	14.50	97.20		
		44	5220	20.83	22.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	97.20		
		48	5240	20.92	22.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	96.30		
	802.11n-HT20 MCS0	36	5180	20.47	22.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	96.30		
		44	5220	20.75	22.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	96.30		
		48	5240	20.75	22.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	96.30		
	802.11n-HT40 MCS0	36	5180	16.24	18.00	16.24	17.80	16.00	14.50	16.24	17.80	16.00	14.49	16.00	13.00	16.24	18.00	15.89	17.50	16.24	18.00	94.20	
		44	5220	22.16	24.00	20.00	14.50	16.00	16.97	14.50	14.49	16.00	14.50	14.49	16.00	13.00	20.01	22.00	16.31	22.00	19.33	20.50	94.20
		48	5240	20.38	22.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	97.04		
	802.11ac-VHT20 MCS0	36	5180	20.38	22.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	97.04		
		44	5220	20.67	22.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	97.04		
		48	5240	20.66	22.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	97.04		
	802.11ac-VHT40 MCS0	36	5180	16.15	17.50	17.50	17.50	14.50	14.50	16.00	11.50	16.00	11.50	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	94.20	
		44	5220	22.28	24.00	20.00	14.50	16.00	18.00	11.50	16.00	11.50	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	94.20	
		48	5240	22.28	24.00	20.00	14.50	16.00	18.00	11.50	16.00	11.50	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	94.20	
	802.11ac-VHT80 MCS0	42	5210	12.80	14.50	14.30	12.80	14.50	14.30	10.00	11.50	14.30	11.67	13.00	14.30	14.30	14.30	14.30	12.80	14.30	14.50	96.49	
		44	5220	21.47	23.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	96.23		
		48	5240	21.36	23.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	96.23		
	802.11ax-HE40 MCS0	36	5190	16.32	18.00	16.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	92.29		
44		5230	22.56	24.00	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	92.29			
48		5250	22.83	24.50	20.00	14.50	16.00	18.00	11.50	16.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	87.48			

BT BR/EDR			Ant 3		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.29	13.40	13.35
	CH 39	2441	16.65	13.70	13.65
	CH 76	2480	16.37	13.43	13.38
Tune-up Limit			18.00	15.00	15.00

BLE_1M			Ant 3		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	19.61		
	CH 19	2440	19.33		
	CH 39	2480	19.06		
Tune-up Limit			12.00		

BLE_2M			Ant 3		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	10.73		
	CH 19	2440	10.40		
	CH 39	2480	10.22		
Tune-up Limit			12.00		

BLE_125K			Ant 3		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	10.65		
	CH 19	2440	10.36		
	CH 39	2480	10.11		
Tune-up Limit			12.00		

BLE_500K			Ant 3		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
LE	CH 00	2402	10.63		
	CH 19	2440	10.33		
	CH 39	2480	10.07		
Tune-up Limit			12.00		