



Band 2 Ant 1												
BW [MHz]	Modulation	RS Size	RS Offset	Power Min [Ch./Freq.]	Power Max [Ch./Freq.]	Power Min [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	19.40	19.82	19.58						
20	16QAM	100	0	19.45	19.80	19.50			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	19.20	19.10			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	17.16			19	2		
20	256QAM	50	24	17.21	17.17	17.23						
20	256QAM	50	50	17.17	17.14	17.25			19	2		
20	256QAM	100	0	17.20	17.20	17.13						
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	9	19.87	19.86	19.86			21	0		
15	QPSK	36	99	19.75	19.83	19.78						
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	19.49			21	0		
15	16QAM	1	37	19.49	19.85	19.87						
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	19.24	19.23	19.14			21	0		
15	16QAM	36	20	19.15	19.12	19.10						
15	16QAM	75	0	19.25	19.24	19.38			21	0		
15	16QAM	75	0	19.47	19.45	19.31						
15	64QAM	1	99	19.84	19.86	19.87			21	0		
15	64QAM	1	0	19.83	19.83	19.36						
15	64QAM	1	74	19.73	19.70	19.36			21	0		
15	64QAM	36	0	19.13	19.12	19.05						
15	64QAM	36	99	19.08	19.08	19.08			21	0		
15	64QAM	36	99	19.10	19.05	19.01						
15	64QAM	36	99	19.08	19.06	19.06			21	0		
15	64QAM	75	0	19.28	19.27	19.34						
15	256QAM	1	37	17.32	17.29	17.13			19	2		
15	256QAM	1	74	17.36	17.29	17.31						
15	256QAM	36	20	17.34	17.12	17.36			19	2		
15	256QAM	36	20	17.23	17.07	17.15						
15	256QAM	36	99	17.04	17.05	17.07			19	2		
15	256QAM	75	0	17.14	17.14	17.08						
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	74	19.80	19.80	19.80						
10	QPSK	25	12	19.75	19.70	19.59			21	0		
10	QPSK	25	25	19.75	19.63	19.67						
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	19.48	19.43	19.34			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	19.54			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	0	19.08	19.15	19.09						
10	64QAM	25	25	19.04	19.04	19.11			21	0		
10	64QAM	50	0	19.11	19.08	19.09						
10	256QAM	1	25	17.27	17.28	17.40			19	2		
10	256QAM	1	25	17.24	17.27	17.23						
10	256QAM	1	25	17.26	17.27	17.23			19	2		
10	256QAM	1	25	17.10	17.04	17.08						
10	256QAM	25	12	17.05	17.06	17.09			19	2		
10	256QAM	50	0	17.00	17.01	17.03						
Channel												
Frequency [MHz]												
5	QPSK	1	0	19.83	19.83	19.83			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	19.56						
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	19.36			21	0		
5	16QAM	12	0	19.42	19.36	19.48						
5	16QAM	12	7	19.31	19.26	19.33			21	0		
5	16QAM	12	13	19.53	19.42	19.52						
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	13	19.45	19.39	19.47			21	0		
5	16QAM	25	13	19.38	19.39	19.45						
5	16QAM	12	0	19.12	19.21	19.08			21	0		
5	16QAM	12	0	19.08	19.15	19.09						
5	16QAM	12	13	19.03	19.07	19.00			21	0		
5	16QAM	25	0	19.11	19.01	19.15						
5	256QAM	1	12	17.25	17.25	17.40			19	2		
5	256QAM	1	12	17.20	17.21	17.26						
5	256QAM	12	0	17.10	17.04	17.10			19	2		
5	256QAM	12	13	17.05	17.05	17.08						
5	256QAM	25	0	17.00	17.01	17.02			19	2		
5	256QAM	25	0	16.99	16.99	16.95						
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	1	49	19.77	19.80	19.80						
3	QPSK	8	4	19.75	19.63	19.67			21	0		
3	QPSK	8	7	19.76	19.63	19.55						
3	16QAM	1	0	19.45	19.61	19.44			21	0		
3	16QAM	1	0	19.61	19.58	19.54						
3	16QAM	1	8	19.62								



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)				37965	38000	38100			
20	QPSK	1	0	22.76	22.84	22.86			
20	QPSK	1	48	22.84	22.87	22.84	24	0	
20	QPSK	1	88	22.86	22.92	22.90			
20	QPSK	50	0	21.64	21.52	21.70			
20	QPSK	50	24	21.58	21.74	21.59	23	1	
20	QPSK	50	48	21.50	21.63	21.68			
20	QPSK	100	0	21.73	21.79	21.72			
20	HQAM	1	0	21.56	22.07	22.07	23	1	
20	HQAM	1	48	21.58	22.10	22.10			
20	HQAM	1	96	21.86	22.04	21.96			
20	HQAM	50	24	20.54	20.76	20.64	22	2	
20	HQAM	50	48	20.52	20.68	20.61			
20	HQAM	100	0	20.67	20.85	20.76			
20	HQAM	1	0	20.57	20.55	20.52			
20	HQAM	1	48	20.78	20.89	20.80	22	2	
20	HQAM	1	96	20.71	20.85	20.76			
20	HQAM	50	0	19.50	19.72	19.63			
20	HQAM	50	24	19.53	19.65	19.52	21	3	
20	HQAM	50	50	19.52	19.59	19.57			
20	HQAM	100	0	19.58	19.65	19.65			
20	25QAM	1	0	17.79	17.85	17.83			
20	25QAM	1	48	17.84	17.89	17.75	19	5	
20	25QAM	1	96	17.77	17.83	17.78			
20	25QAM	50	0	17.57	17.73	17.68			
20	25QAM	50	24	17.52	17.58	17.40	19	5	
20	25QAM	50	50	17.40	17.55	17.51			
20	25QAM	100	0	17.50	17.55	17.50			
Channel									
Frequency (MHz)				37925	38000	38175	Turn-up time (dBm)	MFR (dB)	
15	QPSK	1	12	21.72	21.76	21.72			
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	36	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	21.92			
15	HQAM	36	0	20.68	20.65	20.56			
15	HQAM	36	20	20.67	20.68	20.52	22	2	
15	HQAM	36	36	20.43	20.68	20.59			
15	HQAM	75	0	20.62	20.60	20.59			
15	HQAM	75	20	20.54	20.64	20.64			
15	HQAM	1	37	20.70	20.97	20.88	22	2	
15	HQAM	74	24	20.67	20.75	20.84			
15	HQAM	36	0	19.50	19.65	19.51			
15	HQAM	36	20	19.43	19.60	19.44	21	3	
15	HQAM	36	36	19.50	19.58	19.58			
15	HQAM	75	0	19.50	19.55	19.45			
15	25QAM	1	0	17.71	17.82	17.82			
15	25QAM	1	37	17.77	17.77	17.77	19	5	
15	25QAM	1	74	17.77	17.77	17.77			
15	25QAM	36	0	17.53	17.62	17.53			
15	25QAM	36	20	17.54	17.63	17.63	19	5	
15	25QAM	36	36	17.48	17.51	17.42			
15	25QAM	75	0	17.56	17.54	17.47			
Channel									
Frequency (MHz)				2471	2476	2476	Turn-up time (dBm)	MFR (dB)	
10	QPSK	1	0	22.67	22.74	22.74	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	22.35	22.35	23	1	
10	QPSK	25	12	21.47	21.73	21.46			
10	QPSK	25	25	21.60	21.52	21.38			
10	QPSK	50	0	21.83	21.86	22.00			
10	HQAM	1	0	21.88	21.86	22.00	23	1	
10	HQAM	1	25	21.80	22.03	21.81			
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	12	20.44	20.74	20.48			
10	HQAM	25	25	20.42	20.56	20.59			
10	HQAM	50	0	20.61	20.55	20.59			
10	HQAM	50	12	20.62	20.68	20.68			
10	HQAM	50	25	20.76	20.58	20.83	22	2	
10	HQAM	1	48	20.61	20.75	20.82			
10	HQAM	25	0	19.53	19.64	19.60			
10	HQAM	25	12	19.51	19.52	19.41	21	3	
10	HQAM	25	25	19.51	19.54	19.53			
10	HQAM	50	0	19.54	19.64	19.51			
10	25QAM	1	0	17.67	17.80	17.77			
10	25QAM	1	25	17.79	17.78	17.75	19	5	
10	25QAM	1	48	17.76	17.77	17.71			
10	25QAM	25	0	17.54	17.65	17.53			
10	25QAM	25	12	17.54	17.67	17.50	19	5	
10	25QAM	25	25	17.54	17.47	17.42			
10	25QAM	50	0	17.59	17.65	17.50			
Channel									
Frequency (MHz)				2517.5	2516	2517.5	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	QPSK	25	0	21.86	21.73	21.67			
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	21.96	21.86			
5	HQAM	12	0	20.64	20.71	20.55			
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	20.66	20.68	20.55			
5	HQAM	1	0	20.63	20.80	20.81			
5	HQAM	1	12	20.69	20.81	20.83	22	2	
5	HQAM	1	24	20.69	20.79	20.83			
5	HQAM	12	0	19.48	19.56	19.42			
5	HQAM	12	7	19.47	19.51	19.42	21	3	
5	HQAM	12	13	19.50	19.58	19.50			
5	HQAM	1	0	17.70	17.76	17.72			
5	25QAM	1	12	17.79	17.83	17.70	19	5	
5	25QAM	1	24	17.77	17.81	17.77			
5	25QAM	12	0	17.46	17.62	17.56			
5	25QAM	12	13	17.59	17.59	17.40	19	5	
5	25QAM	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	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				39790	40185	40620	41005	41480	
20	QPSK	1	0	23.34	23.43	23.41	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	22.26	22.26	22.26	
20	QPSK	100	0	22.33	22.42	22.18	22.34	22.27	
20	16QAM	1	0	22.81	22.70	22.42	22.64	22.48	23
20	16QAM	1	48	22.80	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	21.19	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	16QAM	1	0	21.42	21.55	21.34	21.43	21.41	22
20	16QAM	1	48	21.40	21.47	21.33	21.43	21.38	
20	16QAM	1	96	21.30	21.40	21.28	21.31	21.43	22
20	16QAM	50	0	20.27	20.29	20.10	20.10	20.09	
20	16QAM	50	24	20.19	20.25	20.02	20.15	20.03	21
20	16QAM	50	50	20.10	20.11	20.08	20.04	19.99	
20	16QAM	100	0	20.12	20.23	20.07	20.08	19.97	
20	25QAM	1	0	18.46	18.46	18.31	18.37	18.33	
20	25QAM	1	48	18.39	18.46	18.31	18.35	18.34	19
20	25QAM	1	96	18.40	18.39	18.29	18.38	18.38	
20	25QAM	50	0	18.16	18.34	18.12	18.19	18.06	
20	25QAM	50	24	18.07	18.18	17.97	18.05	17.97	19
20	25QAM	50	50	18.15	18.20	18.09	18.04	18.02	
20	25QAM	100	0	18.20	18.15	18.01	18.10	18.04	
Channel									
Frequency (MHz)				39725	40173	40620	41008	41515	
15	QPSK	1	0	23.25	23.33	23.17	23.34	23.13	
15	QPSK	1	37	23					



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)	MPR (dB)				
Channel												
Frequency (MHz)				37965	38050	38165						
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	22.65	23	1				
20	QPSK	50	24	21.41	21.53	21.39						
20	QPSK	100	0	21.71	21.87	21.65	23	1				
20	QPSK	100	0	21.82	21.85	21.56						
20	HQAM	1	0	21.86	21.87	21.78	22	2				
20	HQAM	50	24	20.35	20.51	20.39						
20	HQAM	50	24	20.29	20.42	20.34	22	2				
20	HQAM	100	0	20.44	20.49	20.35						
20	BAGAM	1	0	20.55	20.57	20.52	22	2				
20	BAGAM	1	48	20.56	20.71	20.76						
20	BAGAM	1	96	20.52	20.58	20.70	21	3				
20	BAGAM	50	0	19.48	19.53	19.44						
20	BAGAM	50	24	19.34	19.48	19.35	19	5				
20	BAGAM	50	50	19.41	19.33	19.35						
20	BAGAM	100	0	19.35	19.45	19.44	19	5				
20	BAGAM	100	0	17.87	17.85	17.70						
20	BAGAM	1	48	17.75	17.79	17.68	21	3				
20	BAGAM	50	0	17.65	17.58	17.62						
20	BAGAM	50	0	17.44	17.44	17.44	19	5				
20	BAGAM	50	24	17.38	17.33	17.42						
20	BAGAM	50	50	17.35	17.44	17.32	19	5				
20	BAGAM	100	0	17.47	17.47	17.32						
Channel												
Frequency (MHz)				37925	38050	38175	Turn-up limit (dBm)	MPR (dB)				
15	QPSK	1	0	22.73	22.75	22.73	24	0				
15	QPSK	1	37	22.38	22.39	22.34						
15	QPSK	1	74	22.28	22.38	22.35	23	1				
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	21.61						
15	QPSK	75	0	21.45	21.56	21.45	23	1				
15	HQAM	1	0	21.69	21.54	21.73						
15	HQAM	1	37	21.46	21.51	21.61	23	1				
15	HQAM	1	74	21.65	21.75	21.72						
15	HQAM	36	0	20.40	20.42	20.27	22	2				
15	HQAM	36	20	20.32	20.40	20.32						
15	HQAM	36	38	20.26	20.33	20.31	22	2				
15	HQAM	75	0	20.44	20.40	20.27						
15	BAGAM	1	0	19.38	19.50	19.36	21	3				
15	BAGAM	1	37	20.54	20.59	20.69						
15	BAGAM	1	74	20.51	20.62	20.68	21	3				
15	BAGAM	36	0	19.38	19.50	19.36						
15	BAGAM	36	20	19.29	19.49	19.35	19	5				
15	BAGAM	36	38	19.46	19.52	19.57						
15	BAGAM	75	0	19.51	19.57	19.55	19	5				
15	BAGAM	75	0	17.57	17.61	17.66						
15	BAGAM	1	37	17.57	17.59	17.57	19	5				
15	BAGAM	36	0	17.38	17.38	17.25						
15	BAGAM	36	20	17.42	17.34	17.47	19	5				
15	BAGAM	36	38	17.34	17.36	17.23						
15	BAGAM	75	0	17.40	17.41	17.28	19	5				
15	BAGAM	75	0	17.40	17.41	17.28						
Channel												
Frequency (MHz)				25175	25215	25315	Turn-up limit (dBm)	MPR (dB)				
10	QPSK	1	0	22.63	22.65	22.65	24	0				
10	QPSK	1	25	22.59	22.54	22.34						
10	QPSK	1	48	22.30	22.45	22.28	23	1				
10	QPSK	12	0	21.45	21.46	21.46						
10	QPSK	25	12	21.32	21.44	21.37	23	1				
10	QPSK	25	25	21.30	21.29	21.32						
10	QPSK	25	38	21.46	21.58	21.45	23	1				
10	HQAM	1	0	21.79	21.67	21.78						
10	HQAM	1	25	21.61	21.80	21.65	22	2				
10	HQAM	1	48	21.71	21.79	21.72						
10	HQAM	25	0	20.46	20.49	20.34	22	2				
10	HQAM	25	12	20.38	20.44	20.35						
10	HQAM	25	25	20.38	20.33	20.38	22	2				
10	HQAM	50	0	20.41	20.45	20.35						
10	BAGAM	1	0	20.45	20.74	20.68	22	2				
10	BAGAM	1	25	20.52	20.67	20.65						
10	BAGAM	1	48	20.56	20.62	20.62	21	3				
10	BAGAM	25	0	19.44	19.43	19.38						
10	BAGAM	25	12	19.27	19.40	19.29	19	5				
10	BAGAM	25	25	19.32	19.26	19.35						
10	BAGAM	50	0	19.31	19.34	19.20	19	5				
10	BAGAM	50	0	17.64	17.59	17.64						
10	BAGAM	1	48	17.53	17.64	17.39	19	5				
10	BAGAM	1	48	17.55	17.59	17.55						
10	BAGAM	25	0	17.31	17.36	17.25	19	5				
10	BAGAM	25	12	17.35	17.31	17.46						
10	BAGAM	25	25	17.31	17.42	17.23	19	5				
10	BAGAM	50	0	17.40	17.35	17.33						
Channel												
Frequency (MHz)				25175	25215	25315	Turn-up limit (dBm)	MPR (dB)				
5	QPSK	1	0	22.55	22.59	22.47	24	0				
5	QPSK	1	12	22.60	22.35	22.30						
5	QPSK	1	24	22.28	22.40	22.39	23	1				
5	QPSK	12	0	21.45	21.46	21.46						
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	23	1				
5	HQAM	1	0	21.75	21.63	21.76						
5	HQAM	1	12	21.59	21.86	21.62	22	2				
5	HQAM	1	24	21.64	21.83	21.76						
5	HQAM	12	0	20.45	20.47	20.38	22	2				
5	HQAM	12	7	20.28	20.44	20.34						
5	HQAM	12	13	20.35	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	21	3				
5	HQAM	25	12	20.50	20.67	20.76						
5	BAGAM	1	24	20.56	20.68	20.64	21	3				
5	BAGAM	12	0	19.44	19.42	19.34						
5	BAGAM	12	7	19.28	19.38	19.31	19	5				
5	BAGAM	12	13	19.41	19.52	19.24						
5	BAGAM	25	0	19.35	19.43	19.18	19	5				
5	BAGAM	25	0	17.58	17.55	17.65						
5	BAGAM	1	12	17.53	17.63	17.47	19	5				
5	BAGAM	1	24	17.34	17.53	17.60						
5	BAGAM	12	0	17.								



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	22.46	22.51	22.47	22.47	23	1		
20	QPSK	50	0	21.71	21.79	21.77	21.77				
20	QPSK	50	24	21.54	21.71	21.54	21.54	23	1		
20	HQAM	1	48	21.34	21.59	21.65	21.65				
20	HQAM	100	0	21.70	21.85	21.66	21.66	23	1		
20	HQAM	1	0	21.94	22.06	22.06	22.06				
20	HQAM	50	24	20.57	20.76	20.57	20.57	22	2		
20	HQAM	50	0	20.56	20.67	20.56	20.56				
20	HQAM	100	0	20.56	20.67	20.56	20.56	22	2		
20	HQAM	1	0	20.51	20.55	20.55	20.55				
20	HQAM	1	48	20.76	20.94	20.89	20.89	22	2		
20	HQAM	1	96	20.75	20.89	20.86	20.86				
20	HQAM	50	0	19.54	19.64	19.53	19.53	21	3		
20	HQAM	50	24	19.51	19.57	19.51	19.51				
20	HQAM	50	50	19.57	19.57	19.45	19.45	21	3		
20	HQAM	100	0	19.58	19.59	19.47	19.47				
20	256QAM	1	0	17.75	17.84	17.89	17.89	19	5		
20	256QAM	1	48	17.77	17.86	17.74	17.74				
20	256QAM	1	96	17.79	17.77	17.85	17.85	19	5		
20	256QAM	50	0	17.57	17.62	17.52	17.52				
20	256QAM	50	24	17.55	17.57	17.37	17.37	19	5		
20	256QAM	50	50	17.57	17.59	17.42	17.42				
20	256QAM	100	0	17.57	17.59	17.42	17.42	19	5		
20	256QAM	100	0	17.55	17.59	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	36	38	21.67	21.67	21.65	21.65				
15	QPSK	75	0	21.62	21.77	21.65	21.65	23	1		
15	HQAM	1	0	21.94	22.05	21.94	21.94				
15	HQAM	1	37	21.91	21.99	21.92	21.92	22	2		
15	HQAM	1	74	21.91	21.98	21.84	21.84				
15	HQAM	36	0	20.58	20.71	20.46	20.46	22	2		
15	HQAM	36	20	20.53	20.56	20.50	20.50				
15	HQAM	36	36	20.37	20.52	20.40	20.40	22	2		
15	HQAM	75	0	20.57	20.56	20.50	20.50				
15	HQAM	75	0	20.50	20.56	20.50	20.50	22	2		
15	HQAM	1	37	20.59	20.54	20.51	20.51				
15	HQAM	1	74	20.51	20.54	20.51	20.51	21	3		
15	HQAM	36	0	19.54	19.59	19.54	19.54				
15	HQAM	36	20	19.50	19.54	19.41	19.41	19	5		
15	HQAM	36	38	19.57	19.57	19.44	19.44				
15	256QAM	1	0	17.49	17.62	17.53	17.53	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	22.81	22.42	22.42				
10	QPSK	1	48	22.38	22.80	22.47	22.47	23	1		
10	QPSK	1	74	22.35	22.80	22.47	22.47				
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	21.82	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	50	0	20.56	20.58	20.43	20.43				
10	HQAM	50	0	20.52	20.54	20.44	20.44	22	2		
10	HQAM	1	0	20.72	20.51	20.50	20.50				
10	HQAM	1	48	20.72	20.79	20.76	20.76	21	3		
10	HQAM	25	0	19.56	19.63	19.52	19.52				
10	HQAM	25	12	19.46	19.45	19.40	19.40	19	5		
10	HQAM	25	25	19.47	19.49	19.45	19.45				
10	256QAM	1	0	17.66	17.76	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	17.36	17.36				
10	256QAM	25	25	17.48	17.55	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	22.55	22.51	22.51				
5	QPSK	1	24	22.34	22.89	22.36	22.36	23	1		
5	QPSK	12	0	21.88	21.88	21.71	21.71				
5	QPSK	12	7	21.52	21.86	21.71	21.71	23	1		
5	QPSK	12	13	21.56	21.61	21.55	21.55				
5	HQAM	1	0	21.82	21.87	21.81	21.81	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	20.46	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	21	3		
5	HQAM	1	24	20.67	20.82	20.87	20.87				
5	HQAM	12	0	19.56	19.55	19.43	19.43	19	5		
5	HQAM	12	7	19.45	19.56	19.45	19.45				
5	HQAM	12	13	19.49	19.54	19.45	19.45	19	5		
5	HQAM	25	0	17.57	17.67	17.61	17.61				
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 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	23.34	23.39	23.31	23.34	24	0
20	QPSK	1	48	23.18	23.14	23.05	23.13		
20	QPSK	50	0	23.17	23.02	22.97	23.04	23	1
20	QPSK	50	0	22.35	22.32	22.17	22.23		
20	QPSK	50	24	22.36	22.09	22.61	22.14	23	1
20	QPSK	50	50	22.34	22.05	22.62	22.18		
20	QPSK	100	0	22.34	22.21	22.15	22.23	23	1
20	QPSK	100	0	22.81	22.50	22.40	22.45		
20	16QAM	1	0	22.51	22.49	22.39	22.45	23	1
20	16QAM	1	96	22.63	22.46	22.35	22.45		
20	16QAM	50	24	21.25	21.13	21.13	21.26	22	2
20	16QAM	50	50	21.23	21.13	20.96	21.10		
20	16QAM	50	50	21.14	21.06	20.89	21.07	22	2
20	16QAM	100	0	21.22	21.15	21.			



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)				37855	38050	38150			
				23.75	23.75	23.75			
20	QPSK	1	0	18.55	18.54	18.52	20.1	0	
20	QPSK	1	49	18.60	18.63	18.67			
20	QPSK	50	0	18.62	18.73	18.80			
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	18.36	18.39	18.45			
20	QPSK	100	0	18.35	18.47	18.33			
20	QPSK	100	0	18.46	18.53	18.43			
20	HQAM	1	49	18.36	18.39	18.45	20.1	0	
20	HQAM	1	99	18.29	18.59	18.31			
20	HQAM	50	24	18.26	18.35	18.34			
20	HQAM	50	49	18.27	18.38	18.30			
20	HQAM	50	50	18.39	18.37	18.39	20.1	0	
20	HQAM	100	0	18.25	18.20	18.25			
20	HQAM	100	0	18.38	18.31	18.14			
20	HQAM	1	49	18.40	18.39	18.42			
20	HQAM	1	99	18.45	18.31	18.25	20.1	0	
20	HQAM	50	50	18.35	18.22	18.29			
20	HQAM	100	0	18.25	18.16	18.36			
20	HQAM	100	0	18.25	18.16	18.36			
20	256QAM	1	0	17.52	17.60	17.53	19	1.1	
20	256QAM	1	49	17.48	17.56	17.46			
20	256QAM	1	99	17.51	17.56	17.55			
20	256QAM	50	0	17.47	17.58	17.50			
20	256QAM	50	24	17.25	17.26	17.17	19	1.1	
20	256QAM	50	49	17.30	17.28	17.24			
20	256QAM	100	0	17.24	17.28	17.24			
20	256QAM	100	0	17.24	17.28	17.24			
Channel									
Frequency (MHz)				37855	38050	38150	Turn-up time (dBm)	MPR (dB)	
				23.75	23.75	23.75			
15	QPSK	1	0	18.44	18.52	18.22	20.1	0	
15	QPSK	1	37	18.80	18.49	18.46			
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	18.39	18.38	18.43			
15	QPSK	75	0	18.29	18.33	18.18			
15	HQAM	1	0	18.34	18.44	18.30	20.1	0	
15	HQAM	1	37	18.32	18.31	18.22			
15	HQAM	1	74	18.30	18.42	18.22			
15	HQAM	36	0	18.39	18.16	18.22			
15	HQAM	36	20	18.24	18.35	18.29	20.1	0	
15	HQAM	36	36	18.24	18.27	18.26			
15	HQAM	75	0	18.13	18.15	18.24			
15	HQAM	75	0	18.27	18.22	18.25			
15	HQAM	1	37	18.31	18.14	18.27	20.1	0	
15	HQAM	1	74	18.26	18.15	18.18			
15	HQAM	36	0	18.12	18.15	18.20			
15	HQAM	36	20	18.34	18.37	18.19			
15	HQAM	36	36	18.29	18.38	18.19	20.1	0	
15	HQAM	75	0	18.15	18.14	18.21			
15	256QAM	1	0	17.50	17.52	17.43			
15	256QAM	1	37	17.48	17.52	17.43			
15	256QAM	1	74	17.42	17.45	17.43	19	1.1	
15	256QAM	36	0	17.15	17.33	17.18			
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	19	1.1	
15	256QAM	75	0	17.26	17.21	17.19			
Channel									
Frequency (MHz)				23.75	23.75	23.75	Turn-up time (dBm)	MPR (dB)	
				23.75	23.75	23.75			
10	QPSK	1	0	18.44	18.52	18.22	20.1	0	
10	QPSK	1	25	18.52	18.46	18.50			
10	QPSK	1	49	18.51	18.65	18.67			
10	QPSK	1	74	18.44	18.63	18.67			
10	QPSK	25	0	18.41	18.39	18.50	20.1	0	
10	QPSK	25	25	18.51	18.43	18.41			
10	QPSK	50	0	18.36	18.39	18.45			
10	QPSK	50	24	18.41	18.39	18.50			
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			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	1	49	18.35	18.10	18.31			
10	HQAM	25	0	18.29	18.15	18.21			
10	HQAM	25	12	18.25	18.16	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			
10	HQAM	50	0	18.13	18.11	18.22			
10	HQAM	1	0	18.31	18.11	18.31	20.1	0	
10	HQAM	1	49	18.35					



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	18.21	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	QPSK	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	17.86			
20	HQAM	50	24	17.30	17.87	17.86	18.6	0	
20	HQAM	50	50	17.87	17.87	17.86			
20	HQAM	100	0	17.86	17.86	17.86			
20	HQAM	1	0	17.88	17.85	17.85	18.6	0	
20	HQAM	1	48	17.86	17.86	17.86			
20	HQAM	1	96	17.85	17.85	17.85			
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	256QAM	1	0	17.31	17.30	17.41			
20	256QAM	1	48	17.32	17.47	17.30	18.6	0	
20	256QAM	1	96	17.47	17.16	17.43			
20	256QAM	50	0	17.30	17.37	17.41			
20	256QAM	50	24	17.40	17.29	17.44	18.6	0	
20	256QAM	50	50	17.34	17.16	17.38			
20	256QAM	100	0	17.34	17.34	17.34			
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	17.88	17.88	17.81			
15	HQAM	1	0	18.06	18.20	18.10			
15	HQAM	1	37	18.10	18.24	18.07	18.6	0	
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	17.81	17.82	17.80	18.6	0	
15	HQAM	1	37	18.08	18.18	18.08			
15	HQAM	1	74	18.10	18.19	18.08			
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	17.80	17.80	17.80			
15	HQAM	75	0	17.80	17.80	17.80	18.6	0	
15	256QAM	1	0	17.25	17.24	17.27			
15	256QAM	1	37	17.26	17.22	17.29	18.6	0	
15	256QAM	1	74	17.36	17.04	17.33			
15	256QAM	36	0	17.46	17.18	17.35			
15	256QAM	36	20	17.47	17.22	17.29	18.6	0	
15	256QAM	36	56	17.27	17.11	17.25			
15	256QAM	75	0	17.29	17.23	17.27			
Channel									
Frequency (MHz)				2517.5	2515	2515	Tune-up limit (dBm)	MPR (dB)	
				2517.5	2515	2515			
10	QPSK	1	0	18.11	18.20	18.24			
10	QPSK	1	25	18.07	18.25	18.14	18.6	0	
10	QPSK	1	48	18.05	18.18	18.21			
10	QPSK	36	0	18.05	18.18	18.21			
10	QPSK	25	12	18.04	18.02	18.06	18.6	0	
10	QPSK	25	25	18.00	18.02	17.86			
10	QPSK	36	0	18.05	18.18	18.21			
10	HQAM	1	0	18.17	18.27	18.21			
10	HQAM	1	25	18.17	18.26	18.14	18.6	0	
10	HQAM	1	48	18.06	18.15	18.11			
10	HQAM	25	0	17.86	18.16	18.07			
10	HQAM	25	12	18.15	17.88	18.05	18.6	0	
10	HQAM	36	0	18.05	18.05	18.01			
10	HQAM	36	25	18.05	18.05	18.01			
10	HQAM	50	0	18.09	17.82	17.81			
10	HQAM	50	0	18.10	18.20	18.10	18.6	0	
10	HQAM	25	0	17.81	18.11	18.02			
10	HQAM	25	12	18.06	18.01	18.04	18.6	0	
10	HQAM	25	25	18.07	18.01	18.04			
10	HQAM	50	0	18.04	18.19	18.16			
10	HQAM	50	0	18.04	18.09	18.21	18.6	0	
10	HQAM	25	12	18.08	18.01	18.16			
10	HQAM	25	25	18.07	18.01	18.01			
10	HQAM	50	0	17.83	17.81	17.80	18.6	0	
10	HQAM	50	0	17.83	17.81	17.80			
10	HQAM	12	0	17.86	18.05	18.06			
10	HQAM	12	7	18.03	18.05	18.06	18.6	0	
10	HQAM	12	13	18.03	18.04	17.80			
10	HQAM	25	0	18.03	18.09	17.80			
10	HQAM	25	0	18.13	18.30	18.16	18.6	0	
10	HQAM	12	7	18.16	18.20	18.04			
10	HQAM	12	13	18.04	18.19	18.12			
10	HQAM	25	0	18.05	17.86	17.87	18.6	0	
10	HQAM	25	0	18.04	18.06	18.02			
10	HQAM	12	7	18.04	17.88	18.14			
10	HQAM	12	13	18.04	18.06	18.02			
10	HQAM	25	0	17.84	17.87	17.86			
10	HQAM	25	0	17.20	17.15	17.37	18.6	0	
10	256QAM	1	12	17.27	17.33	17.25			
10	256QAM	1	24	17.33	17.01	17.30			
10	256QAM	12	0	17.44	17.12	17.32			
10	256QAM	12	7	17.30	17.30	17.27	18.6	0	
10	256QAM	12	13	17.28	17.50	17.28			
10	256QAM	25	0	17.34	17.30	17.27			

Band 41 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)				39750	40185	40620	41055	41490		
				25413	25413	25413	25413	25413		
20	QPSK	1	0	18.16	18.23	18.24	18.10	18.14		
20	QPSK	1	48	18.18	18.26	18.13	18.10	18.03	18.6	0
20	QPSK	8	0	18.17	18.20	18.24	18.02	18.00		
20	QPSK	50	0	18.02	18.22	18.12	18.08	18.02		
20	QPSK	50	24	18.12	18.08	18.14	18.11	18.00	18.6	0
20	QPSK	50	48	18.10	18.00	18.05	18.05	18.00		
20	QPSK	100	0	17.85	18.03	17.82	17.80	17.80		
20	16QAM	1	0	17.87	18.01	17.86	17.80	17.83	18.6	0
20	16QAM	50	0	17.87	17.83	17.85	17.87	17.87		
20	16QAM	1	96	17.86	18.12	17.89	17.87	17.91		
20	16QAM	50	24	17.86	17.87	17.82	17.81	17.81	18.6	0
20	16QAM	50	50	17.86	17.86	17.83	17.80	17.82		
20	16QAM	100	0	17.86	17.86	17.86	17.86	17.86		
20	16QAM	1	0	17.85	17.87	17.83	17.84	18.02	18.6	0
20	16QAM	1	48	17.81	17.82	17.87	17.83	17.88		
20	16QAM	1	96	18.00	17.83	17.85	17.88	17.84		
20	16QAM	50	0	17.87	18.02	18.01	17.87	17.94		
20	16QAM	50	24	17.84	17.86	17.80	17.84	18.02	18.6	0
20	16QAM	50	50	17.80	17.86	17.89	17.83	17.89		
20	16QAM	100	0	17.88	17.86	17.81	17.80	17.81		
20	256QAM	1	0	17.50	17.60	17.52	17.49	17.50		
20	256QAM	1	48	17.50	17.62	17.52	17.39	17.41	18.6	0
20	256QAM	1	96	17.67	17.41	17.67	17.53	17.51		
20	256QAM	50	0	17.50	17.46	17.56	17.48	17.48		
20	256QAM	50	24	17.50	17.40	17.51	17.57	17.58	18.6	0
20	256QAM	50	50	17.60	17.43	17.57	17.38	17.48		
20	256QAM	100	0	17.58	17.40	17.58	17.48	17.48		
Channel										
Frequency (MHz)				39725	40173	40600	41058	41515		
				25413	25413	25413	25413	25413		
15	QPSK	1	0	18.10	18.22	18.17	18.02	18.04		
15	QPSK	1	37	18.12	18.20	18.10	18.08	17.85	19	0
15	QPSK	1	74	18.11	18.16	18.18	17.88	17.89		
15	QPSK	36	0	18.13	18.20	18.16	17.89	17.84		
15	QPSK	36								



Full & Default Power Mode

n2 Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 31.9650	Power Max Ch. Freq. 31.9650	Power High Ch. Freq. 31.9650	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	21.88		23.0	1.0
40	QPSK	168	54	21.52	21.77	21.65		24.0	0.0
40	QPSK	168	168	21.54	21.78	21.61		23.0	1.0
40	QPSK	168	0	21.51	21.75	21.69			
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	22.58		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	51	22.55	22.77	22.57			
20	PSSBPSK	160	5	22.58	22.80	22.61			
20	QPSK	160	26	22.31	22.87	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	51	22.76	22.83	22.62		24.0	0.0
20	QPSK	1	104	22.63	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	21.88	21.83	21.54		23.0	1.0
20	QPSK	160	0	21.88	22.00	21.71		23.0	1.0
20	16QAM	1	1	21.79	21.88	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	15.48	15.35		15.5	4.5
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.67	22.82	22.64		24.0	0.0
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.68	22.88	22.65		24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.77	22.86	22.58		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	QPSK	1	46	22.56	22.76	22.75			
15	QPSK	1	77	22.58	22.76	22.67			
15	QPSK	36	5	22.28	22.37	22.30		23.5	0.5
15	QPSK	36	22	22.70	22.85	22.77		24.0	0.0
15	PSSBPSK	36	43	22.18	22.33	22.28		23.5	0.5
15	QPSK	36	0	22.16	22.70	22.26			
15	QPSK	1	1	22.77	22.63	22.88			
15	QPSK	1	46	22.67	22.76	22.66		24.0	0.0
15	QPSK	1	77	22.63	22.77	22.57			
15	QPSK	36	5	21.77	21.84	21.80		23.0	1.0
15	QPSK	36	22	22.67	22.85	22.71		24.0	0.0
15	QPSK	36	43	21.76	21.83	21.70		23.0	1.0
15	QPSK	36	0	21.77	22.00	21.71			
15	16QAM	1	1	21.70	21.83	21.70		23.0	1.0
15	16QAM	1	1	20.38	20.48	20.36		21.0	2.5
15	256QAM	1	1	15.35	15.45	15.31		15.5	4.5
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.82	22.95	22.70		24.0	0.0
Channel									
Frequency (MHz)									
5	QPSK	1	1	22.69	22.88	22.68		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	22.98				23.5	0.5
10	PSSBPSK	25	14	22.99				24.0	0.0
10	PSSBPSK	25	27	23.00				23.5	0.5
10	PSSBPSK	50	0	23.01				24.0	0.0
10	QPSK	1	1	23.02					
10	QPSK	1	26	23.07				24.0	0.0
10	QPSK	1	58	23.08				23.5	0.5
10	QPSK	25	5	23.10				23.0	1.0
10	QPSK	25	14	23.11				24.0	0.0
10	QPSK	25	27	23.12				23.0	1.0
10	QPSK	50	0	23.13				23.0	1.0
10	16QAM	1	1	23.15				23.0	1.0
10	16QAM	1	1	23.08				21.0	2.5
10	16QAM	1	1	23.08				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	22.10	22.24	22.68	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	22.49			
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	21.89	21.71	21.60	23.0	1.0	
40	QPSK	214	0	21.85	21.69	21.69			
40	16QAM	1	1	21.65	21.79	21.69	23.0	1.0	
40	16QAM	1	1	20.92	20.98	20.92	21.5	2.5	
40	16QAM	1	1	15.91	15.93	15.91	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	22.59	22.71	22.59	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	22.59	22.70	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			
26	PI2 BPSK	1	54	22.19	22.18	22.14	23.4	0.0	
26	PI2 BPSK	1	104	22.18	22.14	22.09			
26	PI2 BPSK	54	0	22.36	22.33	22.28	23.5	0.1	
26	PI2 BPSK	90	26	21.76	21.77	21.79	23.5	0.1	
26	PI2 BPSK	100	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	23.4	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	90	26	22.25	22.25	22.22	23.0	0.0	
26	QPSK	90	54	21.29	21.28	21.34	23.0	0.6	
26	QPSK	100	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	16.89	16.91	16.90	01.5	2.1	
26	16QAM	1	1	11.84	11.85	11.79	10.5	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		
40	PI2 BPSK	104	104	22.61	22.60	21.92	23.5	0.8	
40	PI2 BPSK	214	0	22.02	22.10	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		
40	QPSK	104	104	21.57	21.50	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	10.5		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	22.52	22.54	22.51	24.0		0.0
20	QPSK	1	1	22.50	22.54	22.41	24.0		0.0
15	QPSK	1	1	22.46	22.47	22.39	24.0		0.0
10	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		22.78		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		21.67		23.0	1.0			
15	QPSK	76	0		21.63						
15	16QAM	1	1		21.66		23.0	1.6			
15	16QAM	1	1		20.96						

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	880.5	880		
15	QPSK	1	1	23.11	88.09	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



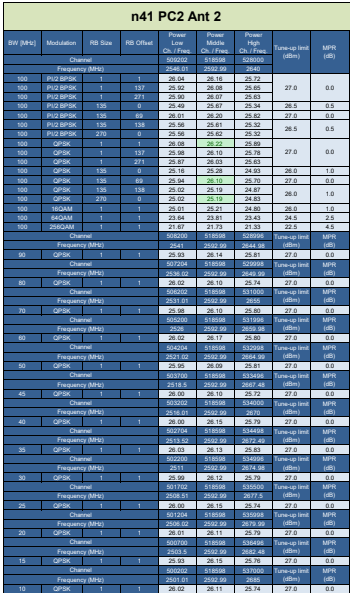
n38 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				518004	518000	519998			
Frequency (MHz)				2580.02	2595	2599.98			
40	PV2 BPSK	1	1	22.93	23.03	22.80	24.0	0.0	
40	PV2 BPSK	1	53	22.83	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	21.5	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)	
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				506202	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	22.98	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	22.80	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	22.74	22.96	22.90	24.0	0.0	
100	256QAM	1	1	21.45	21.79	21.67	22.5	1.5	
Channel				505200	518598	530998			
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			
Frequency (MHz)				2536.02	2592.99	2643.99	Tune-up limit (dBm)	MPR (dB)	
80	QPSK	1	1	22.87	23.15	23.07	24.0	0.0	
Channel				506202	518598	531000			
Frequency (MHz)				2531.01	2592.99	2655	Tune-up limit (dBm)	MPR (dB)	
70	QPSK	1	1	22.83	23.16	23.11	24.0	0.0	
Channel				505200	518598	531998			
Frequency (MHz)				2526	2592.99	2659.99	Tune-up limit (dBm)	MPR (dB)	
60	QPSK	1	1	22.89	23.17	23.01	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2664.99	Tune-up limit (dBm)	MPR (dB)	
50	QPSK	1	1	22.90	23.10	23.11	24.0	0.0	
Channel				503200	518598	533998			
Frequency (MHz)				2518.5	2592.99	2674.88	Tune-up limit (dBm)	MPR (dB)	
45	QPSK	1	1	22.90	23.18	23.08	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2513.01	2592.99	2670	Tune-up limit (dBm)	MPR (dB)	
40	QPSK	1	1	22.88	23.07	23.01	24.0	0.0	
Channel				502704	518598	534498			
Frequency (MHz)				2513.52	2592.99	2672.49	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.84	23.07	23.04	24.0	0.0	
Channel				502200	518598	534998			
Frequency (MHz)				2511	2592.99	2674.88	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.89	23.14	23.10	24.0	0.0	
Channel				501702	518598	535500			
Frequency (MHz)				2508.51	2592.99	2677.5	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.93	23.16	23.01	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.87	23.10	23.10	24.0	0.0	
Channel				500700	518598	536498			
Frequency (MHz)				2503.5	2592.99	2672.48	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.91	23.10	23.00	24.0	0.0	
Channel				500202	518598	537000			
Frequency (MHz)				2501.01	2592.99	2685	Tune-up limit (dBm)	MPR (dB)	
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	
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		
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		
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		
100	16QAM	1	1	24.05	24.26	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)				2498.01	2549.99	2601.98			
80	QPSK	1	1	24.97	25.23	24.92	26.0	0.0	
Channel				506002	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	25.00	25.22	25.00	26.0	0.0	
Channel				505000	518598	531006	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506	2592.99	2659.98			
60	QPSK	1	1	25.01	25.24	24.98	26.0	0.0	
Channel				504204	518598	532698	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2504.02	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	25.07	25.15	24.99	26.0	0.0	
Channel				503200	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	QPSK	1	1	24.96	25.23	24.94	26.0	0.0	
Channel				502704	518598	534488	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2674.48			
35	QPSK	1	1	25.00	25.10	24.96	26.0	0.0	
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	24.98	25.23	24.91	26.0	0.0	
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2509.51	2592.99	2677.5			
25	QPSK	1	1	25.01	25.21	25.03	26.0	0.0	
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2508.02	2592.99	2679.48			
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				500200	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)				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				462000			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



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	23.23	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	22.85	22.87	22.77	23.5	0.5	
48	PSSBPSK	216	0	22.63	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	23.23	23.33	23.09			
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	18.89	18.99	18.87	18.5	4.5	
Channel									
83768 84168 84568									
30	QPSK	1	1	23.30	23.36	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
85551 85551 85551									
20	QPSK	1	1	23.32	23.38	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
85573 85573 85573									
15	QPSK	1	1	23.25	23.19	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
85582 85582 85582									
18	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	22.89	24.0	0.0	
100	PSSBPSK	1	271	23.01	23.10	22.85			
100	PSSBPSK	136	0	22.60	22.79	22.55	24.0	0.0	
100	PSSBPSK	136	88	23.19	23.27	23.09	24.0	0.0	
100	PSSBPSK	136	136	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	22.83			
100	QPSK	136	0	23.18	23.24	23.13	24.0	0.0	
100	QPSK	136	88	23.22	23.25	23.04	24.0	0.0	
100	QPSK	136	136	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	21.68	21.68	21.59	22.5	1.5	
Channel									
84568 84568 84568									
30	QPSK	1	1	22.50	23.18	22.53	24.0	0.0	
Channel									
Frequency [MHz]									
84581 84581 84581									
80	QPSK	1	1	23.01	23.30	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
84582 84582 84582									
70	QPSK	1	1	23.01	23.25	22.85	24.0	0.0	
Channel									
Frequency [MHz]									
84586 84586 84586									
80	QPSK	1	1	23.02	23.40	22.91	24.0	0.0	
Channel									
Frequency [MHz]									
84588 84588 84588									
30	QPSK	1	1	23.07	23.30	22.97	24.0	0.0	
Channel									
Frequency [MHz]									
84600 84600 84600									
40	QPSK	1	1	23.02	23.29	22.83	24.0	0.0	
Channel									
Frequency [MHz]									
84602 84602 84602									
30	QPSK	1	1	23.02	23.28	22.88	24.0	0.0	
Channel									
Frequency [MHz]									
84606 84606 84606									
25	QPSK	1	1	23.03	23.31	22.94	24.0	0.0	
Channel									
Frequency [MHz]									
84608 84608 84608									
20	QPSK	1	1	23.09	23.27	22.85	24.0	0.0	
Channel									
Frequency [MHz]									
84616 84616 84616									
15	QPSK	1	1	23.03	23.25	22.84	24.0	0.0	
Channel									
Frequency [MHz]									
84620 84620 84620									
40	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	136	0	25.39	25.82	25.39	26.5	0.5			
100	PSSBPSK	136	88	25.35	25.39	25.44	27.0	0.0			
100	PSSBPSK	136	136	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	25.05					
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	136	0	24.87	25.42	25.01	26.0	1.0			
100	QPSK	136	88	24.76	24.76	24.67	27.0	0.0			
100	QPSK	136	136	24.80	25.35	24.83	26.0	1.0			
100	QPSK	270	0	24.85	25.39	24.96	26.0	1.0			
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	21.48	22.5	4.5			
Channel											
84658 84658 84658											
30	QPSK	1	1	25.12	25.21	25.11	27.0	0.0			
Channel											
Frequency (MHz)											
84661 84661 84661											
80	QPSK	1	1	25.80	26.22	25.89	27.0	0.0			
Channel											
Frequency (MHz)											
84662 84662 84662											
70	QPSK	1	1	25.84	26.24	25.84	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		22.90		24.0	0.0
100	PI2-BPSK	135	66		22.46		24.0	0.0
100	PI2-BPSK	135	136		22.83		24.0	0.0
100	PI2-BPSK	270	0		22.87			
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		22.90		24.0	0.0
100	QPSK	135	136		22.43		24.0	0.0
100	QPSK	270	0		22.39		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)				E33698		E33334	E34508	MPN
80	QPSK	1	1		23.24	23.37	23.40	24.0
Channel				E33334		E33698	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33698	E33334	MPN
70	QPSK	1	1		23.35	23.44	23.45	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
60	QPSK	1	1		23.43	23.41	23.43	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
50	QPSK	1	1		23.38	23.38	23.35	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33334	E33334	MPN
40	QPSK	1	1		23.43	23.41	23.34	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33334	E33334	MPN
30	QPSK	1	1		23.32	23.37	23.41	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
25	QPSK	1	1		23.42	23.36	23.45	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
20	QPSK	1	1		23.41	23.45	23.44	24.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
15	QPSK	1	1		23.41	23.41	23.37	24.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33334	E33334	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		23.99		26.5	0.5
100	PI2-BPSK	135	66		23.46		27.0	0.5
100	PI2-BPSK	135	136		23.96		26.5	0.5
100	PI2-BPSK	270	0		23.90			
100	QPSK	1	1		23.95			
100	QPSK	1	137		26.34		27.0	0.0
100	QPSK	1	271		23.52			
100	QPSK	135	0		23.95		26.0	1.0
100	QPSK	135	66		23.95		27.0	0.5
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		26.5	1.0
100	16QAM	1	1		24.12		26.5	2.5
100	16QAM	1	1		23.00		23.5	4.5
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
90	QPSK	1	1		26.39	25.34	26.43	27.0
Channel				E33698		E33334	E34508	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E34508	MPN
80	QPSK	1	1		26.41	26.42	26.42	27.0
Channel				E33334		E33698	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33698	E33334	MPN
70	QPSK	1	1		26.53	26.37	26.45	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
60	QPSK	1	1		26.36	26.41	26.34	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
50	QPSK	1	1		26.41	26.35	26.39	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33334	E33334	MPN
40	QPSK	1	1		26.41	26.32	26.42	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33334	E33334	MPN
30	QPSK	1	1		26.43	26.44	26.37	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
25	QPSK	1	1		26.36	26.33	26.43	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
20	QPSK	1	1		26.45	26.41	26.39	27.0
Channel				E33698		E33334	E33698	Turn-up time (dBm)
Frequency (MHz)				E33698		E33334	E33698	MPN
15	QPSK	1	1		26.44	26.37	26.35	27.0
Channel				E33334		E33334	E33334	Turn-up time (dBm)
Frequency (MHz)				E33334		E33334	E33334	MPN
10	QPSK	1	1		26.26	26.38	26.25	27.0



Part270 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	23.13	23.27	23.41	24.0	0.0				
100	PICQ BPSK	1	137	23.27	23.41	23.55						
100	PICQ BPSK	1	271	23.12	23.26	23.40						
100	PICQ BPSK	135	0	22.88	23.02	23.16	24.0	0.0				
100	PICQ BPSK	135	68	23.21	23.35	23.49						
100	PICQ BPSK	135	136	22.84	22.98	23.12						
100	PICQ BPSK	270	0	22.69	22.83	22.97	24.0	0.0				
100	QPSK	1	1	23.37	23.51	23.65						
100	QPSK	1	137	23.19	23.33	23.47						
100	QPSK	1	271	23.11	23.25	23.39	24.0	0.0				
100	QPSK	135	0	23.21	23.35	23.49						
100	QPSK	135	68	23.20	23.34	23.48						
100	QPSK	135	136	23.18	23.32	23.46	24.0	0.0				
100	QPSK	270	0	23.11	23.25	23.39						
100	VSQAM	1	1	23.08	23.22	23.36						
100	VSQAM	1	1	23.00	23.14	23.28	24.0	0.0				
100	VSQAM	1	1	23.05	23.19	23.33						
100	VSQAM	1	1	23.05	23.19	23.33						
Channel												
Frequency [MHz]												
90	QPSK	1	1	23.15	23.29	23.43	24.0	0.0				
90	QPSK	1	137	23.29	23.43	23.57						
90	QPSK	1	271	23.11	23.25	23.39						
80	QPSK	1	1	23.21	23.35	23.49	24.0	0.0				
80	QPSK	1	137	23.35	23.49	23.63						
80	QPSK	1	271	23.17	23.31	23.45						
70	QPSK	1	1	23.25	23.39	23.53	24.0	0.0				
70	QPSK	1	137	23.39	23.53	23.67						
70	QPSK	1	271	23.21	23.35	23.49						
60	QPSK	1	1	23.27	23.41	23.55	24.0	0.0				
60	QPSK	1	137	23.41	23.55	23.69						
60	QPSK	1	271	23.23	23.37	23.51						
50	QPSK	1	1	23.19	23.33	23.47	24.0	0.0				
50	QPSK	1	137	23.33	23.47	23.61						
50	QPSK	1	271	23.15	23.29	23.43						
40	QPSK	1	1	23.20	23.34	23.48	24.0	0.0				
40	QPSK	1	137	23.34	23.48	23.62						
40	QPSK	1	271	23.16	23.30	23.44						
30	QPSK	1	1	23.22	23.36	23.50	24.0	0.0				
30	QPSK	1	137	23.36	23.50	23.64						
30	QPSK	1	271	23.18	23.32	23.46						
25	QPSK	1	1	23.24	23.38	23.52	24.0	0.0				
25	QPSK	1	137	23.38	23.52	23.66						
25	QPSK	1	271	23.20	23.34	23.48						
20	QPSK	1	1	23.14	23.28	23.42	24.0	0.0				
20	QPSK	1	137	23.28	23.42	23.56						
20	QPSK	1	271	23.10	23.24	23.38						
15	QPSK	1	1	23.23	23.37	23.51	24.0	0.0				
15	QPSK	1	137	23.37	23.51	23.65						
15	QPSK	1	271	23.19	23.33	23.47						

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	27.0	0.0				
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	27.0	0.0				
100	QPSK	270	0	23.10	23.24	23.38						
100	VSQAM	1	1	23.11	23.25	23.39						
100	VSQAM	1	1	23.04	23.18	23.32	27.0	0.0				
100	VSQAM	1	1	23.07	23.21	23.35						
100	VSQAM	1	1	23.07	23.21	23.35						
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	23.14	23.28	23.42	27.0	0.0				
80	QPSK	1	137	23.28	23.42	23.56						
80	QPSK	1	271	23.06	23.20	23.34						
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	23.14	23.28	23.42	27.0	0.0				
60	QPSK	1	137	23.28	23.42	23.56						
60	QPSK	1	271	23.06	23.20	23.34						
50	QPSK	1	1	23.08	23.22	23.36	27.0	0.0				
50	QPSK	1	137	23.22	23.36	23.50						
50	QPSK	1	271	23.04	23.18	23.32						
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	23.03	23.17	23.31						
30	QPSK	1	1	23.09	23.23	23.37	27.0	0.0				
30	QPSK	1	137	23.23	23.37	23.51						
30	QPSK	1	271	23.05	23.19	23.33						
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	23.08	23.22	23.36						
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	23.01	23.15	23.29						
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	23.01	23.15	23.29						
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	23.10	23.24	23.38						

Part27Q n78 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. 1 [Power]	Power Max Ch. 1 [Power]	Power High Ch. 1 [Power]	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	23.28	23.42	23.56	24.0	0.0	
100	QPSK	135	0	22.86	23.00	23.14			
100	QPSK	135	68	23.18	23.32	23.46			
100	QPSK	135	136	22.87	23.01	23.15	24.0	0.0	
100	QPSK	270	0	22.57	22.71	22.85			
100	QPSK	270	136	23.14	23.28	23.42			
100	SSB-WM	1	1	23.24	23.38	23.52	24.0	0.0	
100	SSB-WM	1	137	23.38	23.52	23.66			
100	SSB-WM	1	271	23.17	23.31	23.45			
100	SSB-WM	135	0	22.74	22.88	23.02	24.0	0.0	
100	SSB-WM	135	68	23.06	23.20	23.34			
100	SSB-WM	135	136	22.75	22.89	23.03			
100	SSB-WM	270	0	22.50	22.64	22.78	24.0	0.0	
100	SSB-WM	270	136	23.14	23.28	23.42			
100	SSB-WM	270	272	22.87	23.01	23.15			
100	SSB-WM	1	1	23.24	23.38	23.52	22.5	1.0	
100	SSB-WM	1	137	23.38	23.52	23.66			
100	SSB-WM	1	271	23.17	23.31	23.45			
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.25	23.25	23.26	24.0	0.0	MPR
30	QPSK	1	137	23.35	23.35	23.36			
30	QPSK	1	271	23.25	23.25	23.26			
80	QPSK	1	1	23.25	23.25	23.26	24.0	0.0	MPR
80	QPSK	1	137	23.35	23.35	23.36			
80	QPSK	1	271	23.25	23.25	23.26			
Channel									
Frequency [MHz]									
70	QPSK	1	1	23.24	23.24	23.24	Time-up time	MPR	
70	QPSK	1	137	23.34	23.34	23.34			
70	QPSK	1	271	23.25	23.25	23.25			
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.28	23.28	23.28	24.0	0.0	MPR
80	QPSK	1	137	23.38	23.38	23.38			
80	QPSK	1	271	23.29	23.29	23.29			
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.25	23.25	23.26	24.0	0.0	MPR
30	QPSK	1	137	23.35	23.35	23.36			
30	QPSK	1	271	23.25	23.25	23.26			
Channel									
Frequency [MHz]									
80	QPSK	1	1	23.25	23.25	23.26	24.0	0.0	MPR
80	QPSK	1	137	23.35	23.35	23.36			
80	QPSK	1	271	23.25	23.25	23.26			
Channel									
Frequency [MHz]									
40	QPSK	1	1	23.25	23.25	23.26	24.0	0.0	MPR
40	QPSK	1	137	23.35	23.35	23.36			
40	QPSK	1	271	23.25	23.25	23.26			
Channel									
Frequency [MHz]									
30	QPSK	1	1	23.25	23.25	23.26	24.0	0.0	MPR
30	QPSK	1	137	23.35	23.35	23.36			
30	QPSK	1	271	23.25	23.25	23.26			
Channel									
Frequency [MHz]									
25	QPSK	1	1	23.28	23.28	23.28	24.0	0.0	MPR
25	QPSK	1	137	23.38	23.38	23.38			
25	QPSK	1	271	23.29	23.29	23.29			
Channel									
Frequency [MHz]									
20	QPSK	1	1	23.3	23.3	23.3	24.0	0.0	MPR
20	QPSK	1	137	23.4	23.4	23.4			
20	QPSK	1	271	23.3	23.3	23.3			
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.35	23.35	23.35	24.0	0.0	MPR
15	QPSK	1	137	23.45	23.45	23.45			
15	QPSK	1	271	23.35	23.35	23.35			
Channel									
Frequency [MHz]									
15	QPSK	1	1	23.34	23.34	23.34	24.0	0.0	MPR
15	QPSK	1	137	23.44	23.44	23.44			
15	QPSK	1	271	23.34	23.34	23.34			

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Turn-on 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	23.64			
40	PUSC BPSK	168	0	22.71	22.92	22.80	22.5	0.5	
40	PUSC BPSK	168	84	22.71	22.42	23.00	20.0	0.0	
40	PUSC BPSK	168	168	22.62	22.86	22.69	22.0	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	23.00	23.06			
40	QPSK	168	0	22.29	22.42	22.20	22.0	1.0	
40	QPSK	168	84	22.71	22.46	22.62	20.0	0.0	
40	QPSK	168	168	22.18	22.44	22.10			
40	QPSK	216	0	22.63	22.38	22.62	20.0	1.0	
40	16QAM	1	1	22.75	22.36	22.71	22.0	1.0	
40	16QAM	1	1	20.85	21.03	20.80	20.5	2.5	
40	16QAM	1	1	18.75	18.94	18.70	20.5	4.5	
Channel									
Frequency (MHz)				637600	641600	645600	Turn-on time (dBm)	MFR (dB)	
30	QPSK	1	1	23.21	23.36	23.10	24.0	0.0	
Channel				637334	641600	646000	Turn-on time (dBm)	MFR (dB)	
Frequency (MHz)				636000	640400	640800			
20	QPSK	1	1	23.17	23.43	23.08	24.0	0.0	
Channel									
Frequency (MHz)				3551.52	3604.98	3658.44	Turn-on 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			
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. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				660000	666000	666000			
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	22.22	20.0	0.0	
100	PUSC BPSK	195	98	22.75	22.60	22.65	24.0	0.0	
100	PUSC BPSK	195	194	22.17	22.43	22.14	20.0	0.0	
100	PUSC BPSK	270	0	22.21	22.39	22.14			
100	QPSK	1	1	22.14	22.05	22.16	24.0	0.0	
100	QPSK	1	137	22.62	22.84	22.67			
100	QPSK	1	274	22.77	22.80	22.88			
100	QPSK	195	0	22.59	23.01	22.89	20.0	0.0	
100	QPSK	195	98	22.86	22.67	22.87	24.0	0.0	
100	QPSK	195	194	22.79	22.89	22.73	20.0	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	20.0	0.0	
100	256QAM	1	1	21.90	21.63	21.29	22.5	1.5	
Channel									
Frequency (MHz)				3743.01	3640	3643.02			
30	QPSK	1	1	22.58	22.80	22.58	24.0	0.0	
Channel									
Frequency (MHz)				3740	3640	3640			
80	QPSK	1	1	22.62	22.36	22.69	20.0	0.0	
Channel									
Frequency (MHz)				3740	3640	3640			
70	QPSK	1	1	22.59	22.88	22.70	24.0	0.0	
Channel									
Frequency (MHz)				646668	656000	662668	Turn-up time (dBm)		MFR (dB)
80	QPSK	1	1	22.61	22.84	22.71	24.0	0.0	
Channel									
Frequency (MHz)				646668	656000	662668	Turn-up time (dBm)		MFR (dB)
80	QPSK	1	1	22.68	22.84	22.68	24.0	0.0	
Channel									
Frequency (MHz)				646668	656000	662668	Turn-up time (dBm)		MFR (dB)
30	QPSK	1	1	22.62	22.87	22.63	24.0	0.0	
Channel									
Frequency (MHz)				646000	656000	664000	Turn-up time (dBm)		MFR (dB)
40	QPSK	1	1	22.68	22.85	22.60	24.0	0.0	
Channel									
Frequency (MHz)				3718.02	3640	3650.01			
30	QPSK	1	1	22.62	22.87	22.63	24.0	0.0	
Channel									
Frequency (MHz)				647000	656000	664000	Turn-up time (dBm)		MFR (dB)
25	QPSK	1	1	22.68	22.94	22.58	24.0	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Turn-up time (dBm)		MFR (dB)
30	QPSK	1	1	22.67	22.83	22.67	24.0	0.0	
Channel									
Frequency (MHz)				647168	656000	664334	Turn-up time (dBm)		MFR (dB)
Frequency (MHz)				3707.56	3640	3672.51			
15	QPSK	1	1	22.63	22.89	22.60	24.0	0.0	
Channel									
Frequency (MHz)				3705	3640	3675			
10	QPSK	1	1	22.67	22.89	22.71	24.0	0.0	

Part270 n77 PC2 Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. F (MHz)	Power Max Ch. F (MHz)	Power High Ch. F (MHz)	Turn-up time (dBm)	MFR (dB)	
Channel									
Frequency (MHz)				3740	3640	3630			
100	PUSC BPSK	1	1	22.68	22.82	22.61			
100	PUSC BPSK	1	137	22.55	22.78	22.55	27.0	0.0	
100	PUSC BPSK	1	274	22.58	22.83	22.44			
100	PUSC BPSK	195	0	22.21	22.42	22.08	20.0	0.0	
100	PUSC BPSK	195	98	22.80	22.59	22.64	27.0	0.0	
100	PUSC BPSK	195	194	22.22	22.34	22.15	20.5	0.5	
100	PUSC BPSK	270	0	22.18	22.40	22.12	20.5	0.5	
100	QPSK	1	1	22.75	22.60	22.68			
100	QPSK	1	137	22.64	22.87	22.62	27.0	0.0	
100	QPSK	1	274	22.85	22.71	22.81			
100	QPSK	195	0	24.81	24.69	24.72	20.0	1.0	
100	QPSK	195	98	22.80	22.56	22.76	27.0	0.0	
100	QPSK	195	194	22.73	24.90	24.80	20.0	1.0	
100	16QAM	1	1	24.64	24.87	24.58	20.0	1.0	
100	16QAM	1	1	22.38	22.53	22.78	24.0	2.0	
100	16QAM	1	1	21.94	21.90	21.94	22.5	4.5	
Channel									
Frequency (MHz)				646668	656000	662334	Turn-up time (dBm)	MFR (dB)	
30	QPSK	1	1	22.62	22.80	22.50	27.0	0.0	
Channel									
Frequency (MHz)				646334	656000	662668	Turn-up time (dBm)	MFR (dB)	
Frequency (MHz)				3743.01	3640	3643.02			
80	QPSK	1	1	22.69	22.69	22.50	27.0	0.0	
Channel									
Frequency (MHz)				3740	3640	3640			
70	QPSK	1	1	22.61	22.92	22.58	27.0	0.0	
Channel									
Frequency (MHz)				646668	656000	662668	Turn-up time (dBm)	MFR (dB)	
80	QPSK	1	1	22.68	22.83	22.70	27.0	0.0	
Channel									
Frequency (MHz)				646334	656000	663668	Turn-up time (dBm)	MFR (dB)	
30	QPSK	1	1	22.62	22.84	22.53	27.0	0.0	
Channel									
Frequency (MHz)				647000	656000	664000	Turn-up time (dBm)	MFR (dB)	
25	QPSK	1	1	22.68	22.90	22.50	27.0	0.0	
Channel									
Frequency (MHz)				647334	656000	664668	Turn-up time (dBm)	MFR (dB)	
30	QPSK	1	1	22.59	22.88	22.54	27.0	0.0	
Channel									
Frequency (MHz)				647668	656000	665000	Turn-up time (dBm)	MFR (dB)	
16	QPSK	1	1	22.62	22.84	22.53	27.0	0.0	
Channel									
Frequency (MHz)				3742	3640	3632.51			
16	QPSK	1	1	22.62	22.84	22.53	27.0	0.0	
Channel									
Frequency (MHz)				647000	656000	664000	Turn-up time (dBm)	MFR (dB)	
10	QPSK	1	1	22.59	22.89	22.53	27.0	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)	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PLC BPSK	1	1	23.33				
100	PLC BPSK	1	137	23.37			24.0	0.0
100	PLC BPSK	1	271	23.37				
100	PLC BPSK	135	0	22.87			24.0	0.0
100	PLC BPSK	135	86	23.42			24.0	0.0
100	PLC BPSK	135	138	22.88				
100	PLC BPSK	135	138	22.87			24.0	0.0
100	PLC BPSK	270	0	23.35				
100	QPSK	1	1	23.29				
100	QPSK	1	137	23.29			24.0	0.0
100	QPSK	1	271	23.29				
100	QPSK	135	0	22.48			24.0	0.0
100	QPSK	135	86	23.48			24.0	0.0
100	QPSK	135	138	23.48			24.0	0.0
100	QPSK	270	0	22.48			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

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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)	Time-up time (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PLC BPSK	1	1	26.11				
100	PLC BPSK	1	137	26.01			27.0	0.0
100	PLC BPSK	1	271	26.02				
100	PLC BPSK	135	0	25.63			26.5	0.0
100	PLC BPSK	135	86	26.18			27.0	0.0
100	PLC BPSK	135	138	25.64			26.5	0.0
100	PLC BPSK	270	0	25.67				
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	26.28			27.0	0.0
100	QPSK	135	138	25.28			26.0	1.0
100	QPSK	270	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	26.08	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	26.18	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	26.18	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.11	26.12	26.19	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.05	26.08	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 Media [Ch. 1 Freq.]	Power Min [Ch. 1 Freq.]	Time-up time (dBm)	MFR (dB)	
Channel									
Frequency [MHz]									
100	PIQ BPSK	1	1	22.05					
100	PIQ BPSK	1	137	22.25			24.0	0.0	
100	PIQ BPSK	1	271	22.25					
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	22.90			24.0	0.0	
100	QPSK	135	138	22.84			24.0	0.0	
100	QPSK	270	0	22.87			24.0	0.0	
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	22.68	22.71	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	22.81					
100	PIQ BPSK	135	0	22.71			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	22.74			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	23.76			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	22.00	22.00	27.0	0.0	
Channel									
Frequency [MHz]									
40	QPSK	1	1	22.04	22.65	22.65	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	22.67	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	22.65	27.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.09	22.68	22.65	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	22.70			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	22.90			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	22.18	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	22.26	22.23	22.10	24.0	0.0	
Channel									
Frequency [MHz]									
30	QPSK	1	1	22.18	22.24	22.15	24.0	0.0	
Channel									
Frequency [MHz]									
20	QPSK	1	1	22.10	22.23	22.13	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.02	22.23	22.15	24.0	0.0	
Channel									
Frequency [MHz]									
10	QPSK	1	1	22.26	22.24	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	20.70	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	22.06	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	22.01	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	22.08	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	22.82	22.21	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	22.84			
40	QPSK	108	0	21.82	22.18	21.74	23.0	1.0	
40	QPSK	108	54	22.84	22.86	22.86	24.0	0.0	
40	QPSK	108	108	21.88	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	22.83	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.78	22.87	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.83	22.88	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./Freq.	Power Max Ch./Freq.	Power High Ch./Freq.	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	20		23.24		23.5	0.5	
15	QPSK	36	40		22.61		23.5	0.5	
15	QPSK	70	0		22.13		23.0	1.0	
15	QPSK	70	20		22.14				
15	QPSK	70	40		22.78		23.5	0.5	
15	QPSK	70	0		18.80		19.5	4.0	
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.75	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
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15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			
15	QPSK	1	1	345000	22.88	23.17			

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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	21.65	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 High 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			22.5	0.0
100	PQ2 BPSK	1	137		21.28				
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			22.5	0.0
100	QPSK	1	1		21.45				
100	QPSK	1	137		21.29				
100	QPSK	1	271		21.27		22.5	0.0	
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			22.5	0.0
100	16QAM	1	1		21.19		22.5	0.0	
100	64QAM	1	1		21.25		22.5	0.0	
100	256QAM	1	1		20.80		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	21.32	21.28	21.14	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	21.28	21.25	21.16	22.5	0.0	
Channel				646000	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				642334	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	650300	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3720	3750	3760			
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				647284	650000	652608	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 High Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				630000	633334	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			22.5	0.0
100	QPSK	1	1		21.43				
100	QPSK	1	137		21.26				
100	QPSK	1	271		21.18		22.5	0.0	
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		21.25			22.5	0.0
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)				3465	3600.01	3605.02			
90	QPSK	1	1	21.21	21.19	21.19	22.5	0.0	
Channel				630968	633334	634000	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460.02	3600.01	3610			
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)				3455.01	3600.01	3615.01			
70	QPSK	1	1	21.21	21.22	21.17	22.5	0.0	
Channel				630200	633334	634668	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3460	3600.01	3620.02			
60	QPSK	1	1	21.22	21.19	21.23	22.5	0.0	
Channel				631000	633334	635000	Tune-up 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	Tune-up limit (dbm)	MPR (dB)	
Frequency (MHz)				3470.01	3600.01	3628.01			
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	3600.01	3635.02			
30	QPSK	1	1	21.27	21.20	21.22	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	21.18	21.20	21.18	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	21.27	21.28	21.19	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	21.15	21.24	21.25	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	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	3935.02		
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 Mid Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				650000	650000	650000			
Frequency (MHz)				3750	3750	3750			
100	PI2 BPSK	1	1		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	650500	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	650608	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 Mid Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dbm)	MPR (dB)	
Channel				630000	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				631608	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	3630.01			
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	21.96	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	64QAM	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	23.26			
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)				2526	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	25.36	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	25.34	27.0	0.0	
Channel				505000	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2650.98			
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	2672.45			
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	22.62	24.0	0.0
Channel				370500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1882.5	1880	1907.5		
5	QPSK	1	1	22.48	22.67	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	22.62		
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	22.62		
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	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	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	1995	
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	24.0	0.0
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	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)				1862.5	1892.5	1902.5	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)				1857.5	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)				1855	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)				1852.5	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				166800		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	24.0	0.0
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	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)				816.5	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	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	21.92		
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	21.92	21.99	21.95	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	685.5		
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	683		
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	685.5		
5	QPSK	1	1	23.08	23.08	23.10	24.0	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 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		

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				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		

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	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				
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				
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	160500	169100	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		
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	15.29	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)				1865	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)				1862.5	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	1905			
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		
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				#DIV/0!	#DIV/0!	#DIV/0!	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!	
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			16.3	0.0
10	QPSK	1	26	15.27			16.3	0.0
10	QPSK	1	50	15.26			16.3	0.0
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	16.83	16.93	16.84		
40	PI/2 BPSK	1	108	16.76	16.74	16.75	17.8	0.0
40	PI/2 BPSK	1	214	16.69	16.83	16.66	17.8	0.0
40	PI/2 BPSK	108	0	16.92	16.90	16.68	17.8	0.0
40	PI/2 BPSK	108	54	16.70	16.84	16.67	17.8	0.0
40	PI/2 BPSK	108	108	16.70	16.80	16.67	17.8	0.0
40	PI/2 BPSK	216	0	16.66	16.80	16.79	17.8	0.0
40	QPSK	1	1	16.95	16.97	16.99		
40	QPSK	1	108	16.77	16.90	16.84	17.8	0.0
40	QPSK	1	214	16.84	16.90	16.87		
40	QPSK	108	0	16.62	16.61	16.58	17.8	0.0
40	QPSK	108	54	16.69	16.92	16.78	17.8	0.0
40	QPSK	108	108	16.62	16.55	16.56	17.8	0.0
40	QPSK	216	0	16.44	16.74	16.61		
40	16QAM	1	1	16.61	16.81	16.64	17.8	0.0
40	64QAM	1	1	16.62	16.76	16.56	17.8	0.0
40	256QAM	1	1	16.61	16.72	16.62	17.8	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0

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	0.0
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	0.0

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	PI/2 BPSK	1	1		23.25		24.0	0.0
35	PI/2 BPSK	1	82		23.18			
35	PI/2 BPSK	1	184		23.14		23.5	0.5
35	PI/2 BPSK	94	0		22.79			
35	PI/2 BPSK	94	47		23.24		24.0	0.0
35	PI/2 BPSK	94	94		22.77			
35	PI/2 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				136800	136100	136600	19.5	4.5
Frequency (MHz)				679	680.5	683		
30	QPSK	1	1	23.09	23.14	23.17	24.0	0.0
Channel				135100	136100	137100		
Frequency (MHz)				675.5	680.5	685.5	24.0	0.0
25	QPSK	1	1	23.01	23.16	23.18		
Channel				134600	135100	137600	24.0	0.0
Frequency (MHz)				673	680.5	688		
20	QPSK	1	1	23.01	23.14	23.10	24.0	0.0
Channel				134100	136100	138100		
Frequency (MHz)				670.5	680.5	685.5	24.0	0.0
15	QPSK	1	1	23.05	23.12	23.13		
Channel				133600	136100	138600	24.0	0.0
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.09	23.14	23.08	24.0	0.0
Channel				133100	136100	139100		
Frequency (MHz)				665.5	680.5	695.5	24.0	0.0
5	QPSK	1	1	23.02	23.13	23.14		

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	17.3	0.0	
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			
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	17.3	0.0	
40	QPSK	1	1	16.25	16.30	16.26			
40	QPSK	1	53	16.10	16.19	16.19			
40	QPSK	1	104	16.09	16.23	16.15	17.3	0.0	
40	QPSK	50	0	15.87	15.92	15.89			
40	QPSK	50	28	16.11	16.16	16.03			
40	QPSK	80	56	15.80	15.86	15.90	17.3	0.0	
40	QPSK	100	0	15.76	16.01	15.85	17.3	0.0	
40	16QAM	1	1	15.86	16.01	15.93			
40	64QAM	1	1	15.96	16.03	15.86			
40	256QAM	1	1	15.92	16.09	15.88	17.3	0.0	
Channel				517002	519000	520998	17.3	MPR (dB)	
Frequency (MHz)				2585.01	2595	2604.99			
30	QPSK	1	1	16.20	16.17	16.19			
Channel				516504	519000	521496	17.3	MPR (dB)	
Frequency (MHz)				2552.52	2595	2607.48			
25	QPSK	1	1	16.15	16.19	16.14			
Channel				516000	519000	522000	17.3	MPR (dB)	
Frequency (MHz)				2560	2595	2610			
20	QPSK	1	1	16.19	16.18	16.23		17.3	
Channel				515502	519000	522498	17.3	MPR (dB)	
Frequency (MHz)				2577.51	2595	2612.49			
15	QPSK	1	1	16.14	16.26	16.23		17.3	
Channel				515004	519000	522996	17.3	MPR (dB)	
Frequency (MHz)				2575.02	2595	2614.98			
10	QPSK	1	1	16.20	16.24	16.19		17.3	

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	520000	17.3	0.0	
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	16.28	16.35	16.09			
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	17.3	0.0	
100	QPSK	1	1	16.32	16.45	16.33			
100	QPSK	1	137	16.16	16.26	16.30			
100	QPSK	1	271	16.15	16.26	16.22	17.3	0.0	
100	QPSK	135	0	16.01	16.02	16.04			
100	QPSK	135	69	16.15	16.24	16.18			
100	QPSK	135	136	15.94	15.85	15.97	17.3	0.0	
100	QPSK	270	0	15.86	16.12	15.84	17.3	0.0	
100	16QAM	1	1	15.99	16.10	16.02			
100	64QAM	1	1	16.05	16.15	15.99			
100	256QAM	1	1	16.04	16.19	16.01	17.3	0.0	
Channel				502002	518998	520000	17.3	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	QPSK	1	1	16.23	16.33	16.23			
Channel				507204	518998	529998	17.3	MPR (dB)	
Frequency (MHz)				2530.02	2592.99	2649.99			
80	QPSK	1	1	16.10	16.20	16.22		17.3	
Channel				506202	518998	531000	17.3	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2665			
70	QPSK	1	1	16.17	16.33	16.19		17.3	
Channel				505200	518998	531996	17.3	MPR (dB)	
Frequency (MHz)				2524	2592.99	2659.98			
60	QPSK	1	1	16.26	16.40	16.21		17.3	
Channel				504204	518998	532998	17.3	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
50	QPSK	1	1	16.19	16.37	16.19		17.3	
Channel				503200	518998	533496	17.3	MPR (dB)	
Frequency (MHz)				2518.5	2592.99	2667.48			
45	QPSK	1	1	16.17	16.33	16.19		17.3	
Channel				503202	518998	534000	17.3	MPR (dB)	
Frequency (MHz)				2513.01	2592.99	2670			
40	QPSK	1	1	16.10	16.31	16.21		17.3	
Channel				502704	518998	534498	17.3	MPR (dB)	
Frequency (MHz)				2513.52	2592.99	2672.49			
35	QPSK	1	1	16.19	16.41	16.22		17.3	
Channel				502200	518998	534996	17.3	MPR (dB)	
Frequency (MHz)				2511	2592.99	2674.98			
30	QPSK	1	1	16.25	16.40	16.20		17.3	
Channel				501702	518998	535500	17.3	MPR (dB)	
Frequency (MHz)				2506.51	2592.99	2677.5			
25	QPSK	1	1	16.20	16.41	16.18		17.3	
Channel				501204	518998	535996	17.3	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	QPSK	1	1	16.17	16.39	16.25		17.3	
Channel				500700	518998	536496	17.3	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.43			
16	QPSK	1	1	16.17	16.39	16.19		17.3	
Channel				500202	518998	537000	17.3	MPR (dB)	
Frequency (MHz)				2501.01	2592.99	2685			
10	QPSK	1	1	16.23	16.29	16.25		17.3	

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	22.46	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	20.06	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	23.16	23.16	23.16			
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	

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				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	645506		
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

Part270 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				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	25.66	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	25.81	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	25.76	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

Part270 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				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					
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	16.2	0.0			
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					
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	16.2	0.0			
100	QPSK	135	138	15.09	15.09	15.09	16.2	0.0			
100	QPSK	270	0	15.05	15.05	15.05	16.2	0.0			
100	16QAM	1	1	15.11	15.11	15.11	16.2	0.0			
100	64QAM	1	1	15.02	15.02	15.02	16.2	0.0			
100	256QAM	1	1	15.07	15.07	15.07	16.2	0.0			
Channel				649668	650000	650334	Tune-up limit (dBm)				
Frequency (MHz)				3745.02	3750	3755.01	MPR (dB)				
90	QPSK	1	1	15.21	15.16	15.21	16.2	0.0			
Channel				649334	650000	650668	Tune-up limit (dBm)				
Frequency (MHz)				3740.01	3750	3760.02	MPR (dB)				
80	QPSK	1	1	15.15	15.23	15.19	16.2	0.0			
Channel				649000	650000	651000	Tune-up limit (dBm)				
Frequency (MHz)				3735	3750	3765	MPR (dB)				
70	QPSK	1	1	15.24	15.15	15.21	16.2	0.0			
Channel				648668	650000	651334	Tune-up limit (dBm)				
Frequency (MHz)				3730.02	3750	3770.03	MPR (dB)				
60	QPSK	1	1	15.16	15.24	15.26	16.2	0.0			
Channel				648334	650000	651668	Tune-up limit (dBm)				
Frequency (MHz)				3725.01	3750	3775.02	MPR (dB)				
50	QPSK	1	1	15.14	15.16	15.16	16.2	0.0			
Channel				648000	650000	652000	Tune-up limit (dBm)				
Frequency (MHz)				3720	3750	3780	MPR (dB)				
40	QPSK	1	1	15.23	15.26	15.15	16.2	0.0			
Channel				647668	650000	652334	Tune-up limit (dBm)				
Frequency (MHz)				3715.02	3750	3785.01	MPR (dB)				
30	QPSK	1	1	15.15	15.24	15.17	16.2	0.0			
Channel				647334	650000	652668	Tune-up limit (dBm)				
Frequency (MHz)				3710.01	3750	3790.02	MPR (dB)				
25	QPSK	1	1	15.24	15.20	15.25	16.2	0.0			
Channel				647000	650000	652900	Tune-up limit (dBm)				
Frequency (MHz)				3712.5	3750	3787.5	MPR (dB)				
20	QPSK	1	1	15.21	15.19	15.25	16.2	0.0			
Channel				646768	650000	652834	Tune-up limit (dBm)				
Frequency (MHz)				3707.52	3750	3792.51	MPR (dB)				
15	QPSK	1	1	15.26	15.19	15.18	16.2	0.0			
Channel				647000	650000	653000	Tune-up limit (dBm)				
Frequency (MHz)				3705	3750	3795	MPR (dB)				
10	QPSK	1	1	15.17	15.26	15.19	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				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			
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	16.2	0.0	
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			
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	16.2	0.0	
100	QPSK	135	138	15.30	15.30	15.30	16.2	0.0	
100	QPSK	270	0	15.36	15.36	15.36	16.2	0.0	
100	16QAM	1	1	15.38	15.38	15.38	16.2	0.0	
100	64QAM	1	1	15.43	15.43	15.43	16.2	0.0	
100	256QAM	1	1	15.37	15.37	15.37	16.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)		
Frequency (MHz)				3495	3500.01	3505.02	MPR (dB)		
90	QPSK	1	1	15.62	15.54	15.60	16.2	0.0	
Channel				632668	633334	634000	Tune-up limit (dBm)		
Frequency (MHz)				3490.02	3500.01	3510	MPR (dB)		
80	QPSK	1	1	15.61	15.59	15.52	16.2	0.0	
Channel				632334	633334	634334	Tune-up limit (dBm)		
Frequency (MHz)				3485.01	3500.01	3515.01	MPR (dB)		
70	QPSK	1	1	15.54	15.54	15.57	16.2	0.0	
Channel				632000	633334	634668	Tune-up limit (dBm)		
Frequency (MHz)				3480	3500.01	3520.02	MPR (dB)		
60	QPSK	1	1	15.59	15.54	15.63	16.2	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)		
Frequency (MHz)				3475.02	3500.01	3525	MPR (dB)		
50	QPSK	1	1	15.59	15.55	15.52	16.2	0.0	
Channel				631334	633334	635334	Tune-up limit (dBm)		
Frequency (MHz)				3470.01	3500.01	3530.01	MPR (dB)		
40	QPSK	1	1	15.62	15.53	15.55	16.2	0.0	
Channel				631000	633334	635668	Tune-up limit (dBm)		
Frequency (MHz)				3465	3500.01	3535.02	MPR (dB)		
30	QPSK	1	1	15.56	15.59	15.62	16.2	0.0	
Channel				630668	633334	635834	Tune-up limit (dBm)		
Frequency (MHz)				3462.51	3500.01	3537.51	MPR (dB)		
25	QPSK	1	1	15.64	15.52	15.56	16.2	0.0	
Channel				630334	633334	636000	Tune-up limit (dBm)		
Frequency (MHz)				3460.02	3500.01	3540	MPR (dB)		
20	QPSK	1	1	15.61	15.60	15.54	16.2	0.0	
Channel				630000	633334	636168	Tune-up limit (dBm)		
Frequency (MHz)				3457.5	3500.01	3542.52	MPR (dB)		
15	QPSK	1	1	15.59	15.62	15.54	16.2	0.0	
Channel				630334	633334	636334	Tune-up limit (dBm)		
Frequency (MHz)				3455.01	3500.01	3545.01	MPR (dB)		
10	QPSK	1	1	15.59	15.63	15.55	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				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				374500	376000	378000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1867.5	1880	1892.5				
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)				1703	1700	1705				
30	QPSK	1	1	23.02	23.06	22.93	24.0	0.0		
Channel				372500	376000	379500	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	22.59	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					
40	QPSK	108	54	23.04	23.11	23.00					
40	QPSK	108	108	22.12	22.11	22.02					
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	1.0			
40	64QAM	1	1	20.68	20.74	20.62					
40	256QAM	1	1	18.69	18.78	18.64					
Channel				372500	376500	379000	Tune-up limit (dBm)			MPR (dB)	
Frequency (MHz)				1867.5	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)				1872.5	1882.5	1890					
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	1862.5	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	1862.5	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	1862.5	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	1862.5	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	1862.5	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	Pl/2 BPSK	1	1	22.76	23.07	22.63			
40	Pl/2 BPSK	1	108	22.71	22.67	22.53	24.0	0.0	
40	Pl/2 BPSK	1	214	22.72	22.67	22.55			
40	Pl/2 BPSK	108	0	22.40	22.56	22.18		23.5	
40	Pl/2 BPSK	108	54	22.85	23.02	22.72	24.0	0.0	
40	Pl/2 BPSK	108	108	22.29	22.52	22.15	23.5	0.5	
40	Pl/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	Pl/2 BPSK	1	1	23.09				23.5	
15	Pl/2 BPSK	1	40	23.08			24.0	0.5	
15	Pl/2 BPSK	1	77	23.05				24.0	
15	Pl/2 BPSK	36	0	22.73				24.0	
15	Pl/2 BPSK	36	22	23.17			23.5	0.5	
15	Pl/2 BPSK	36	43	22.61				23.0	
15	Pl/2 BPSK	75	0	22.60				24.0	
15	QPSK	1	1	23.27			23.0	1.0	
15	QPSK	1	40	23.14				23.0	
15	QPSK	1	77	23.04				23.0	
15	QPSK	36	0	22.29			23.0	1.0	
15	QPSK	36	22	23.06				23.0	
15	QPSK	36	43	22.21				23.0	
15	QPSK	75	0	22.18			23.0	1.0	
15	16QAM	1	1	22.14				21.5	
15	64QAM	1	1	20.78				19.5	
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	17.89	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					
100	PI2 BPSK	1	137				17.0	0.0
100	PI2 BPSK	1	271					
100	PI2 BPSK	135	0				17.0	0.0
100	PI2 BPSK	135	69				17.0	0.0
100	PI2 BPSK	135	138				17.0	0.0
100	PI2 BPSK	270	0					
100	QPSK	1	1				17.0	0.0
100	QPSK	1	271					
100	QPSK	135	0				17.0	0.0
100	QPSK	135	69				17.0	0.0
100	QPSK	135	138				17.0	0.0
100	QPSK	270	0					
100	16QAM	1	1				17.0	0.0
100	64QAM	1	1				17.0	0.0
100	256QAM	1	1				17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1				17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1				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	15.52	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	10.38	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		
40	QPSK	216	0	10.17	10.44	10.25	11.8	0.0
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)				3720.02	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

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)				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	12.38	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	12.38	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

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				850000	850000	850000			
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		13.5	0.0	
100	PV2 BPSK	135	138		12.55		13.5	0.0	
100	PV2 BPSK	270	0		12.50				
100	QPSK	1	1		12.73		13.5	0.0	
100	QPSK	1	137		12.67				
100	QPSK	1	271		12.65				
100	QPSK	135	0		12.30		13.5	0.0	
100	QPSK	135	69		12.56		13.5	0.0	
100	QPSK	135	138		12.32		13.5	0.0	
100	QPSK	270	0		12.42				
100	16QAM	1	1		12.42		13.5	0.0	
100	64QAM	1	1		12.37		13.5	0.0	
100	256QAM	1	1		12.45		13.5	0.0	
Channel				848668	850000	850334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3745.02	3750	3755.01			
90	QPSK	1	1		12.68	12.58	12.60	13.5	0.0
Channel				849334	850000	850668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3740.01	3750	3760.02			
80	QPSK	1	1		12.67	12.61	12.59	13.5	0.0
Channel				849000	850000	851000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1		12.68	12.64	12.59	13.5	0.0
Channel				848668	850000	851334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1		12.59	12.60	12.58	13.5	0.0
Channel				848334	850000	851668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3725.01	3750	3775.02			
50	QPSK	1	1		12.65	12.58	12.55	13.5	0.0
Channel				847000	850000	852000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1		12.63	12.67	12.57	13.5	0.0
Channel				847668	850000	852334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1		12.68	12.60	12.65	13.5	0.0
Channel				847500	850000	852500	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1		12.60	12.58	12.62	13.5	0.0
Channel				847334	850000	852668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1		12.67	12.66	12.63	13.5	0.0
Channel				847168	850000	852834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1		12.62	12.65	12.63	13.5	0.0
Channel				847000	850000	853000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1		12.57	12.67	12.59	13.5	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						833334			
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	13.5	0.0	
100	PV2 BPSK	135	138			12.10	13.5	0.0	
100	PV2 BPSK	270	0			12.17			
100	QPSK	1	1			12.32	13.5	0.0	
100	QPSK	1	137			12.27			
100	QPSK	1	271			12.26			
100	QPSK	135	0			11.99	13.5	0.0	
100	QPSK	135	69			12.25	13.5	0.0	
100	QPSK	135	138			11.98	13.5	0.0	
100	QPSK	270	0			11.95			
100	16QAM	1	1			12.08	13.5	0.0	
100	64QAM	1	1			12.03	13.5	0.0	
100	256QAM	1	1			12.05	13.5	0.0	
Channel				833000	833334	833668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3495	3500.01	3505.02			
90	QPSK	1	1		12.18	12.18	12.18	13.5	0.0
Channel				832668	833334	834000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1		12.29	12.22	12.19	13.5	0.0
Channel				832334	833334	834334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3485.01	3500.01	3515.01			
70	QPSK	1	1		12.26	12.26	12.28	13.5	0.0
Channel				832000	833334	834668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3480	3500.01	3520.02			
60	QPSK	1	1		12.28	12.19	12.20	13.5	0.0
Channel				831668	833334	835000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3475.02	3500.01	3525			
50	QPSK	1	1		12.19	12.26	12.25	13.5	0.0
Channel				831334	833334	835334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1		12.25	12.24	12.18	13.5	0.0
Channel				831000	833334	835668	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3465	3500.01	3535.02			
30	QPSK	1	1		12.27	12.22	12.22	13.5	0.0
Channel				830834	833334	835834	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1		12.25	12.28	12.27	13.5	0.0
Channel				830668	833334	836000	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1		12.24	12.28	12.18	13.5	0.0
Channel				830500	833334	836168	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3457.5	3500.01	3542.52			
15	QPSK	1	1		12.20	12.22	12.28	13.5	0.0
Channel				830334	833334	836334	Tune-up limit (dBm)	MPR	
Frequency (MHz)				3455.01	3500.01	3545.01			
10	QPSK	1	1		12.18	12.22	12.27	13.5	0.0



Reduced Power Mode for ECI 3

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)
35	QPSK	1	1	18.67	18.80	18.92.5	19.6	0.0
Channel				372000	376000	379000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	18.65	18.80	18.95	19.6	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	18.47	18.62	18.42	19.6	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	18.46	18.64	18.43	19.6	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	18.49	18.60	18.40	19.6	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	18.50	18.61	18.51	19.6	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	18.48	18.66	18.47	19.6	0.0

n5 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.77	22.81	22.84		
20	PI2 BPSK	1	53	22.65	22.77	22.57	24.0	0.0
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	20.38	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)
15	QPSK	1	1	22.87	22.82	22.64	24.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (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)
5	QPSK	1	1	22.77	22.88	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)				707.5	707.5	707.5		
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		
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)
10	QPSK	1	1	22.83	22.85	22.70	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (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				374500	376500	379500		
Frequency (MHz)				1870	1882.5	1895		
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				372500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5	19.6	0.0
35	QPSK	1	1	18.52	18.70	18.43	19.6	0.0
Channel				374000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1870 <td>1872.5</td> <td>1883</td> <td>19.6</td> <td>0.0</td>	1872.5	1883	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	1882.5	1902.5	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)				1860	1882.5	1905	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 <td>1882.5</td> <td>1907.5</td> <td>19.6</td> <td>0.0</td>	1882.5	1907.5	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 <td>1882.5</td> <td>1910</td> <td>19.6</td> <td>0.0</td>	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 <td>1882.5</td> <td>1912.5</td> <td>19.6</td> <td>0.0</td>	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)				821.5	831.5	841.5	23.6	0.0
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)				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)				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	PI/2 BPSK	1	1	18.01			19.1	0.0
15	PI/2 BPSK	1	40	17.89				
15	PI/2 BPSK	1	77	17.81				
15	PI/2 BPSK	36	0	17.97			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	18.06			19.1	0.0
15	QPSK	1	40	17.92				
15	QPSK	1	77	17.99				
15	QPSK	36	0	17.75			19.1	0.0
15	QPSK	36	22	17.88			19.1	0.0
15	QPSK	36	43	17.65				
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		
10	QPSK	1	1	18.03	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		
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	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	22.52				
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				135500	136100	136600	Tune-up limit (dBm)	MPR
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
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
Frequency (MHz)				673	680.5	688		
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	692.5		
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133500	135100	136600	Tune-up limit (dBm)	MPR
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
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	519000	519996	17.4	0.0	
Frequency (MHz)				2590.02	2595	2599.98			
40	PI/2 BPSK	1	1	16.52	16.41	16.45	17.4	0.0	
40	PI/2 BPSK	1	53	16.41	16.40	16.38			
40	PI/2 BPSK	1	104	16.36	16.49	16.18	17.4	0.0	
40	PI/2 BPSK	50	0	16.52	16.48	16.33			
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			
40	PI/2 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	80	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		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		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		MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	1	16.48	16.60	16.43	17.4	0.0	
Channel				515502	519000	524998		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	525996		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	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	16.55	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	16.54	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			
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		17.4	
100	256QAM	1	1	16.35	16.44	16.33			
Channel				502002	518998	526000	17.4	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		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		MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.50	16.57	16.45	17.4	0.0	
Channel				505200	518998	531998		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		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				503202	518998	533998		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			
Frequency (MHz)				2513.01	2592.99	2670	17.4	0.0	
40	QPSK	1	1	16.61	16.60	16.52			
Channel				502704	518998	534498	17.4	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			
Frequency (MHz)				2511	2592.99	2674.98	17.4	0.0	
30	QPSK	1	1	16.58	16.59	16.49			
Channel				501702	518998	535500	17.4	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			
Frequency (MHz)				2506.02	2592.99	2679.99	17.4	0.0	
20	QPSK	1	1	16.61	16.63	16.50			
Channel				500700	518998	536496	17.4	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2682.48			
16	QPSK	1	1	16.50	16.68	16.55	17.4	0.0	
Channel				500202	518998	537000			
Frequency (MHz)				2501.01	2592.99	2685	17.4	0.0	
10	QPSK	1	1	16.56	16.62	16.55			



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				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	316000	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	308000	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	301500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1892.5	(dBm)	(dB)
16	QPSK	1	1	16.42	16.55	16.47	17.6	0.0
Channel				311000	316000	301000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1840	1880	1900	(dBm)	(dB)
10	QPSK	1	1	16.46	16.53	16.42	17.6	0.0
Channel				310500	316000	301500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1802.5	1880	1907.5	(dBm)	(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.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166600	167300	167600		
Frequency (MHz)				1331	1333.5	1336		
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		
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	22.88	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	69	22.03	22.01	22.08		
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				165300	167300	165300	Tune-up limit (dBm)	MPR
Frequency (MHz)				831.5	836.5	841.5	(dBm)	(dB)
15	QPSK	1	1	22.95	23.04	22.89	24.0	0.0
Channel				165800	167300	166800	Tune-up limit (dBm)	MPR
Frequency (MHz)				839	838.5	844	(dBm)	(dB)
10	QPSK	1	1	22.94	22.96	22.89	24.0	0.0
Channel				165500	167300	166300	Tune-up limit (dBm)	MPR
Frequency (MHz)				836.5	836.5	840.5	(dBm)	(dB)
5	QPSK	1	1	22.92	23.05	22.97	24.0	0.0

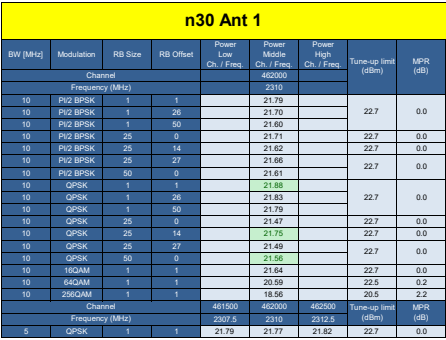
n12 Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141300	141500	141700		
Frequency (MHz)				708.5	707.5	708.5		
16	Pi2 BPSK	1	1	22.96	23.06	22.87		
16	Pi2 BPSK	1	40	22.78	22.99	22.79	24.0	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	22.96	23.05	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
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
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				1687.5	1682.5	1687.5		
Frequency (MHz)				375000	376500	380000		
35	QPSK	1	1	16.48	16.61	16.48	17.6	0.0
Channel				1665	1662.5	1660		
Frequency (MHz)				372900	376500	380500	Tune-up limit (dBm)	MPR
30	QPSK	1	1	16.48	16.61	16.48	17.6	0.0
Channel				1672.5	1672.5	1672.5		
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR
25	QPSK	1	1	16.53	16.65	16.48	17.6	0.0
Channel				1660	1662.5	1665		
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	16.48	16.54	16.40	17.6	0.0
Channel				1687.5	1682.5	1687.5		
Frequency (MHz)				375000	376500	382500	Tune-up limit (dBm)	MPR
15	QPSK	1	1	16.55	16.65	16.42	17.6	0.0
Channel				1645	1642.5	1640		
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR
10	QPSK	1	1	16.45	16.58	16.43	17.6	0.0
Channel				1652.5	1642.5	1642.5		
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR
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	22.98	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				1631.0	1631.0	1633.0	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				163600	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)				814.5	811.5	816.5		
5	QPSK	1	1	22.76	23.01	22.97	24.0	0.0



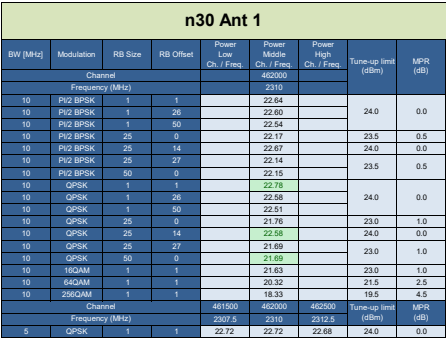
n71 Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel					680.5		
Frequency (MHz)					23.25		
35	PQ2 BPSK	1	1		23.18		24.0
35	PQ2 BPSK	1	92		23.14		
35	PQ2 BPSK	1	184		22.79		23.5
35	PQ2 BPSK	94	0		23.24		24.0
35	PQ2 BPSK	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		13.600	13.600	13.600
Channel					678	680.5	683
Frequency (MHz)					23.09	23.14	23.17
30	QPSK	1	1		135160	136100	137100
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		133100	135100	136100
Channel					665.5	680.5	685.5
Frequency (MHz)					23.02	23.13	23.14
5	QPSK	1	1				

Part27Q n78 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				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		21.13		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)	MPR (dB)
90	QPSK	1	1	21.45	21.49	21.47	22.8	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510	22.8	0.0
80	QPSK	1	1	21.49	21.41	21.37	Tune-up limit (dBm)	MPR (dB)
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01	22.8	0.0
70	QPSK	1	1	21.43	21.48	21.41	22.8	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02	22.8	0.0
60	QPSK	1	1	21.45	21.44	21.43	22.8	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525	22.8	0.0
50	QPSK	1	1	21.47	21.47	21.41	22.8	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01	22.8	0.0
40	QPSK	1	1	21.38	21.47	21.46	22.8	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3551.02	22.8	0.0
30	QPSK	1	1	21.49	21.45	21.44	22.8	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51	22.8	0.0
25	QPSK	1	1	21.39	21.38	21.48	22.8	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540	22.8	0.0
20	QPSK	1	1	21.39	21.45	21.44	22.8	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52	22.8	0.0
15	QPSK	1	1	21.44	21.45	21.45	22.8	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01	22.8	0.0
10	QPSK	1	1	21.47	21.43	21.39	22.8	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		
Frequency (MHz)				346000	349000	352000		
40	PI/2 BPSK	1	1	22.49	22.50	22.44		
40	PI/2 BPSK	1	108	22.45	22.46	22.36	24.0	0.0
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				1702.5				
Frequency (MHz)				22.85				
15	PI2 BPSK	1	1		22.78		24.0	0.0
15	PI2 BPSK	1	40		22.80			
15	PI2 BPSK	1	77		22.38		23.5	0.5
15	PI2 BPSK	36	0		22.85		24.0	0.0
15	PI2 BPSK	36	43		22.40		23.5	0.5
15	PI2 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		21.98		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 (dB)	MPR
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	22.84	22.80	22.50	24.0	0.0
Channel				338500	340500	341500	Tune-up limit (dBm)	MPR
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)				660.5				
35	PI2 BPSK	1	1		23.13			
35	PI2 BPSK	1	92		23.00		24.0	0.0
35	PI2 BPSK	1	184		22.99			
35	PI2 BPSK	94	0		22.59		23.5	0.5
35	PI2 BPSK	94	47		23.20		24.0	0.0
35	PI2 BPSK	94	94		23.57		23.5	0.5
35	PI2 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		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 (dB)	MPR
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
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
Frequency (MHz)				673	680.5	688		
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	685.5		
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133600	136100	138500	Tune-up limit (dBm)	MPR
Frequency (MHz)				668	680.5	693		
10	QPSK	1	1	23.11	23.10	23.18	24.0	0.0
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR
Frequency (MHz)				665.5	680.5	685.5		
5	QPSK	1	1	23.08	23.08	23.10	24.0	0.0



n70 Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Qu / Freq	Power Middle Qu / Freq	Power High Qu / Freq	Turn-up limit (dBm)	MPR (dB)
Channel								
		Frequency (MHz)			1702.5			
15	P12 BPSK	1	1	22.98				
15	P12 BPSK	1	40	23.03			24.0	0.0
15	P12 BPSK	1	77	22.93				
15	P12 BPSK	36	0	22.63			23.5	0.5
15	P12 BPSK	36	22	23.17			24.0	0.0
15	P12 BPSK	36	43	22.98				
15	P12 BPSK	75	0	22.56			23.5	0.5
15	QPSK	1	1	23.23				
15	QPSK	1	40	23.10			24.0	0.0
15	QPSK	1	77	23.00				
15	QPSK	36	0	22.22			23.0	1.0
15	QPSK	36	22	23.05			24.0	0.0
15	QPSK	36	43	22.12			23.0	1.0
15	QPSK	75	0	20.81			23.0	1.0
15	16QAM	1	1	22.11				
15	64QAM	1	1	20.81			21.5	2.5
15	256QAM	1	1	18.68			19.5	4.5
Channel								
		Frequency (MHz)		340500	340500	341600	Turn-up limit (dBm)	MPR (dB)
		1700		1702.5	1705			
10	QPSK	1	1	23.14	23.11	23.16	24.0	0.0
Channel								
		Frequency (MHz)		340500	340500	341600	Turn-up limit (dBm)	MPR (dB)
		1697.5		1702.5	1707.5		24.0	0.0
5	QPSK	1	1	23.11	23.12	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.	
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		13.600	13.600	
Channel					678	680.5	683
Frequency (MHz)					23.09	23.14	23.17
30	QPSK	1	1		135160	136100	137100
Channel					678.5	680.5	682.5
Frequency (MHz)					23.01	23.16	23.18
25	QPSK	1	1		134600	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		133600	135100	136100
Channel					668	680.5	683
Frequency (MHz)					23.09	23.14	23.08
10	QPSK	1	1		133100	135100	137100
Channel					665.5	680.5	685.5
Frequency (MHz)					23.02	23.13	23.14
5	QPSK	1	1				

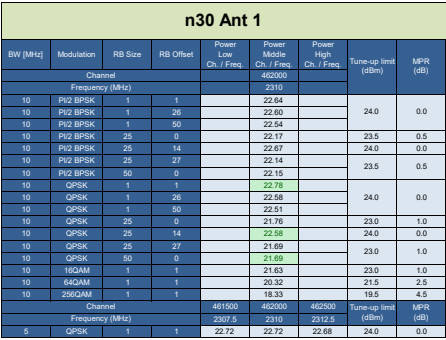
n7 Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				505000	507000	509000	24.0	0.0	
Frequency (MHz)				2525	2535	2545			
50	Pl/2 BPSK	1	1	22.38	22.69	22.34			
50	Pl/2 BPSK	1	135	22.33	22.64	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	22.46	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	20.06	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	23.16	23.16	23.16			
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	

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	19.97		
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	19.61	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	17.99	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	19.96	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	19.96	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



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	
Frequency (MHz)				1760.5		
15	P12 BPSK	1	1	19.76	19.76	
15	P12 BPSK	1	40	19.76	19.56	21.3
15	P12 BPSK	1	77	19.56	19.56	
15	P12 BPSK	36	0	19.76	19.76	21.3
15	P12 BPSK	36	22	19.61	19.61	21.3
15	P12 BPSK	36	43	19.57	19.57	21.3
15	P12 BPSK	75	0	19.55	19.55	21.3
15	QPSK	1	1	19.85	19.85	
15	QPSK	1	40	19.77	19.77	21.3
15	QPSK	1	77	19.76	19.76	
15	QPSK	36	0	19.48	19.48	21.3
15	QPSK	36	22	19.64	19.64	21.3
15	QPSK	36	43	19.63	19.63	21.3
15	QPSK	75	0	19.54	19.54	21.3
15	56QAM	1	1	19.56	19.56	
15	56QAM	1	1	19.56	19.56	21.3
15	56QAM	1	1	18.88	18.88	20.3
Channel				340000	340500	341000
Frequency (MHz)				1762.5		
10	QPSK	1	1	19.74	19.77	19.76
Channel				340600	340900	341500
Frequency (MHz)				1767.5		
5	QPSK	1	1	19.74	1760.5	1767.5

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				136500	136500	136500	
Frequency (MHz)				678	680.5	683	
30	QPSK	1	1	23.09	23.14	23.17	24.0
Channel				135100	136100	137100	
Frequency (MHz)				675.5	680.5	685.5	
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				133500	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)				665.5	680.5	695.5	
5	QPSK	1	1	23.02	23.13	23.14	24.0

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	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	21.87	21.86	21.69			
50	QPSK	1	135	21.72	21.82	21.62	23.1	0.0	
50	QPSK	1	268	21.72	21.86	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			

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	23.1	0.0	
Frequency (MHz)				2310	2310	2310			
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	462000	462500			
Frequency (MHz)				2307.5	2310	2312.5	22.2	0.0	
5	QPSK	1	1	20.90	20.89	20.82			



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		
40	PI2 BPSK	216	0	18.39	18.51	18.53	19.6	0.0
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	1892.5	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)				1895	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)				1892.5	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)				1890	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)				1887.5	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)				1885	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)				1892.5	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	25	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		
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)				816.5	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				340500			19.1	0.0
Frequency (MHz)				1702.5				
15	PI/2 BPSK	1	1		18.01		19.1	0.0
15	PI/2 BPSK	1	40		17.89			
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		19.1	0.0
15	QPSK	1	40		17.92			
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			
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	MPR
Frequency (MHz)				1700	1702.5	1705	(dBm)	(dB)
10	QPSK	1	1	18.00	17.85	17.99	19.1	0.0
Channel				339500	340500	341500	Tune-up limit	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				136100			24.0	0.0
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		22.98		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		22.88			
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		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	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	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	690.5	(dBm)	(dB)
15	QPSK	1	1	23.11	23.09	23.11	24.0	0.0
Channel				133600	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



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	11.97	12.04	11.97			
40	PI2 BPSK	1	108	11.91	11.95	11.85	13.1		0.0
40	PI2 BPSK	1	214	11.84	11.90	11.79			
40	PI2 BPSK	108	0	12.08	12.04	11.94	13.1		0.0
40	PI2 BPSK	108	54	11.83	11.95	11.91	13.1		0.0
40	PI2 BPSK	108	108	11.82	11.93	11.81			
40	PI2 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	11.65	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	13.0	
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	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			
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	22.95	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	

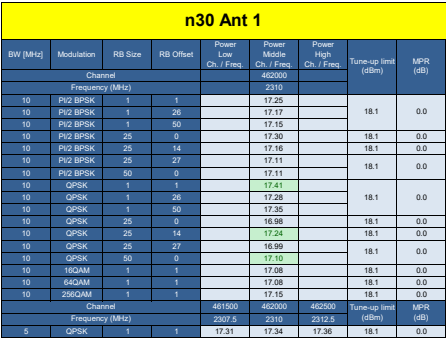
n12 Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	PI2 BPSK	1	1	22.89	23.05	22.87			
15	PI2 BPSK	1	40	22.78	22.99	22.79	24.0	0.0	
15	PI2 BPSK	1	77	22.78	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	23.5	0.5	
15	PI2 BPSK	75	0	22.35	22.58	22.43	23.5		
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		
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		
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				168000				
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	22.18			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			21.5	2.5
10	16QAM	1	1	20.69			18.07	15.0
10	256QAM	1	1	150.100	150.100	150.100	Tune-up limit (dB)	MPR (dB)
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	12.02	12.11	11.95	13.1	0.0
40	Pl2 BPSK	1	108	11.85	11.92	11.86		
40	Pl2 BPSK	1	214	11.86	11.91	11.74		
40	Pl2 BPSK	108	0	12.06	12.03	11.83	13.1	0.0
40	Pl2 BPSK	108	54	11.86	11.92	11.92	13.1	0.0
40	Pl2 BPSK	108	108	11.81	11.91	11.80	13.1	0.0
40	Pl2 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	11.86		
40	QPSK	1	214	11.98	12.09	11.95	13.1	0.0
40	QPSK	108	0	11.73	11.74	11.71	13.1	0.0
40	QPSK	108	54	11.89	12.08	11.89	13.1	0.0
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	13.1	0.0
40	64QAM	1	1	11.84	11.82	11.72	13.1	0.0
40	256QAM	1	1	11.98	11.91	11.72	13.1	0.0
Channel				372500		375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1687.5		1682.5		
35	QPSK	1	1	11.99	12.03	11.87	13.1	0.0
Channel				375000		380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1665		1662.5		
30	QPSK	1	1	11.99	12.03	11.87	13.1	0.0
Channel				372500		380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1662.5		1672.5		
25	QPSK	1	1	11.99	12.05	11.95	13.1	0.0
Channel				372000		376500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1660		1682.5		
20	QPSK	1	1	11.98	12.10	11.92	13.1	0.0
Channel				371500		375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1687.5		1682.5		
15	QPSK	1	1	12.01	12.05	11.93	13.1	0.0
Channel				371000		365000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1655		1662.5		
10	QPSK	1	1	11.96	12.08	11.88	13.1	0.0
Channel				370500		362500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1652.5		1672.5		
5	QPSK	1	1	12.01	12.08	11.93	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	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	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				821.5		831.5		
15	QPSK	1	1	22.72	23.01	22.92	24.0	0.0
Channel				163800		166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				810		844		
10	QPSK	1	1	22.69	22.99	22.89	24.0	0.0
Channel				163300		166300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				814.5		846.5		
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.	Time-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	P12 BPSK	1	1	14.21	14.21				
15	P12 BPSK	1	40	13.98	13.98		15.2	0.0	
15	P12 BPSK	1	77	14.05	14.05				
15	P12 BPSK	36	0	14.25	14.25		15.2	0.0	
15	P12 BPSK	36	22	14.15	14.15		15.2	0.0	
15	P12 BPSK	36	43	14.15	14.15		15.2	0.0	
15	P12 BPSK	75	0	14.08	14.08		15.2	0.0	
15	QPSK	1	1	14.27	14.27				
15	QPSK	1	40	14.19	14.19		15.2	0.0	
15	QPSK	1	77	14.21	14.21				
15	QPSK	36	0	13.94	13.94		15.2	0.0	
15	QPSK	36	22	14.15	14.15		15.2	0.0	
15	QPSK	36	43	13.85	13.85		15.2	0.0	
15	QPSK	75	0	14.03	14.03		15.2	0.0	
15	16QAM	1	1	14.10	14.10		15.2	0.0	
15	64QAM	1	1	13.98	13.98		15.2	0.0	
15	256QAM	1	1	13.99	13.99		15.2	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	14.0500	14.0500	14.1500	Time-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	14.22	14.19	14.15	15.2	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	13.9500	14.0500	14.1500	Time-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	14.17	14.17	14.22	15.2	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.	
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

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				2525	2535	2545			
Frequency (MHz)				505000	507000	509000			
50	Pl/2 BPSK	1	1	19.71	19.81	19.87	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	19.80	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	19.38	19.59	19.46	20.9	0.0	
50	16QAM	1	1	19.55	19.61	19.57			
50	64QAM	1	1	19.50	19.67	19.49		0.0	
50	256QAM	1	1	18.01	18.30	17.92	19.4	1.5	
Channel				2520	2535	2550	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				504000	507000	510000			
40	QPSK	1	1	19.68	19.72	19.63	20.9	0.0	
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	19.60	19.69	19.60	20.9	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	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.67	19.77	19.58	20.9	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	Pl/2 BPSK	1	1	19.60	19.68	19.55	20.9	0.0	
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	0.0	
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	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2500.5	2535	2567.5			
5	QPSK	1	1	18.68	19.79	19.59	20.9	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	463000	464000	2310		
Frequency (MHz)				2310	2310	2310			
10	Pl/2 BPSK	1	1				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			18.32			
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		0.0	
10	64QAM	1	1			18.24	19.8	0.0	
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	0.0	

n66 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				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	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	22.57	24.0	0.0	

n70 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				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	

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

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	1702.5		24.0	0.0
Frequency (MHz)								
15	PI/2 BPSK	1	1		23.13			
15	PI/2 BPSK	1	40		23.03			
15	PI/2 BPSK	1	77		22.98			
15	PI/2 BPSK	36	0		22.83		23.5	0.5
15	PI/2 BPSK	36	22		23.17		24.0	0.0
15	PI/2 BPSK	36	43		22.99		23.5	0.5
15	PI/2 BPSK	75	0		22.99			
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		24.0	0.0
15	QPSK	36	43		22.12			
15	QPSK	75	0		22.11		23.0	1.0
15	16QAM	1	1		22.11		23.0	1.0
15	64QAM	1	1		20.81		21.5	2.5
15	256QAM	1	1		18.68		19.5	4.5
Channel				340000	1702.5	341000	24.0	0.0
Frequency (MHz)				1700	1702.5	1705		
10	QPSK	1	1	23.14	23.11	23.16		
Channel				339500	340500	341500	24.0	0.0
Frequency (MHz)				1697.5	1702.5	1707.5		
5	QPSK	1	1	23.11	23.11	23.12		

n41 Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				506000	518598	526000	
Frequency (MHz)				2544.01	2592.99	2640	
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)				2544	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	2655	
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	532094	
Frequency (MHz)				2521.02	2592.99	2664.99	
50	QPSK	1	1	23.08	23.23	22.97	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	535996	
Frequency (MHz)				2511	2592.99	2674.98	
30	QPSK	1	1	23.14	23.17	22.95	24.0
Channel				501702	518598	536500	
Frequency (MHz)				2508.01	2592.99	2677.5	
25	QPSK	1	1	23.11	23.23	22.92	24.0
Channel				501204	518598	536996	
Frequency (MHz)				2506.02	2592.99	2679.99	
20	QPSK	1	1	23.13	23.24	22.88	24.0
Channel				507000	518598	537500	
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	3649.98	
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	23.5
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	3694.00	
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)				3605.00	3634.99	3694.98	
10	QPSK	1	1	22.30	22.70	22.41	24.0

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			24.0	0.0
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			24.0	0.0
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			24.0	0.0
100	16QAM	1	1	22.15				
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				631668 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	3528.01		(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				630534 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				630500 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

n41 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)	MPS (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	86	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	22.78	22.80	24.0	0.0	
100	QPSK	135	86	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	22.88	22.76	24.0	0.0	
100	16QAM	1	1	22.85	22.70	22.70	24.0	0.0	
100	16QAM	1	1	22.74	22.52	22.44	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.76	22.86	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.74	22.81	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.80	22.81	22.80	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	22.80	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)									
30	QPSK	1	1	22.72	22.88	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.85	22.89	22.70	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)	MPS (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	86	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	22.78	22.80	23.0	1.0	
100	QPSK	135	86	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	22.52	22.44	23.0	4.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.76	22.86	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.74	22.81	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.80	22.81	22.80	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	22.80	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)									
30	QPSK	1	1	22.72	22.88	22.79	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.85	22.89	22.70	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.76	22.82	22.80	24.0	2.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.81	22.82	22.78	24.0	2.0	

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				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				502202	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	535500	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	535998	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	536498	Tune-up limit	MPR	
Frequency (MHz)				2503.5	2592.99	2682.48	(dBm)	(dB)	
15	QPSK	1	1	16.17	16.36	16.19	17.3	0.0	
Channel				500202	518998	537000	Tune-up limit	MPR	
Frequency (MHz)				2501.01	2592.99	2685	(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. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MPK (dB)
Channel								
Frequency (MHz)								
100	PL2-BPSK	1	1	23.16	23.20	23.20		
100	PL2-BPSK	1	137	23.05	23.08	23.05	24.0	0.0
100	PL2-BPSK	1	271	23.05	23.08	23.05		
100	PL2-BPSK	135	0	22.20	22.78	22.50	24.0	0.0
100	PL2-BPSK	135	0	22.20	22.78	22.50		
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	23.15	23.15		
100	QPSK	1	137	23.13	23.12	23.04	24.0	0.0
100	QPSK	1	271	23.01	23.08	22.95		
100	QPSK	135	0	23.19	23.18	23.01	24.0	0.0
100	QPSK	135	0	23.14	23.14	22.96		
100	QPSK	135	136	23.07	23.17	23.05	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90		
100	8QAM	1	1	23.03	23.08	22.96	24.0	0.0
100	8QAM	1	1	23.02	23.04	22.97	24.0	0.0
100	8QAM	1	1	23.12	23.01	23.00	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.11	23.16	23.00	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.10	23.22	22.90	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	22.97	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	23.05	23.23	22.90	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	22.90	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	22.90	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.08	23.18	22.90	24.0	0.0

n41 PC2 Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Max Ch. Freq.	Power High Ch. Freq.	Time-up time (dBm)	MPK (dB)
Channel								
Frequency (MHz)								
100	PL2-BPSK	1	1	23.16	23.20	23.20		
100	PL2-BPSK	1	137	23.05	23.08	23.05	24.0	0.0
100	PL2-BPSK	1	271	23.05	23.08	23.05		
100	PL2-BPSK	135	0	22.20	22.78	22.50	24.0	0.0
100	PL2-BPSK	135	0	22.20	22.78	22.50		
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	23.15	23.15		
100	QPSK	1	137	23.13	23.12	23.04	24.0	0.0
100	QPSK	1	271	23.01	23.08	22.95		
100	QPSK	135	0	23.19	23.18	23.01	24.0	0.0
100	QPSK	135	0	23.14	23.14	22.96		
100	QPSK	135	136	23.07	23.17	23.05	24.0	0.0
100	QPSK	270	0	23.02	23.14	22.90		
100	8QAM	1	1	23.03	23.08	22.96	24.0	0.0
100	8QAM	1	1	23.02	23.04	22.97	24.0	0.0
100	8QAM	1	1	23.12	23.01	23.00	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.11	23.16	23.00	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.10	23.22	22.90	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	22.97	24.0	0.0
Channel								
Frequency (MHz)								
45	QPSK	1	1	23.05	23.23	22.90	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	22.90	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	22.90	24.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.08	23.18	22.90	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	
Frequency (MHz)				3100	3100	3100	
100	PSK BPSK	1	1	22 22			
100	PSK BPSK	1	137	22 19		24.0	0.0
100	PSK BPSK	1	271	22 03			
100	PSK BPSK	135	0	22 03	24.0	0.0	
100	PSK BPSK	135	86	22 20	24.0	0.0	
100	PSK BPSK	135	138	22 04			
100	PSK BPSK	270	0	22 19	24.0	0.0	
100	QPSK	1	1	22 22			
100	QPSK	1	137	22 28		24.0	0.0
100	QPSK	1	271	22 12			
100	QPSK	135	0	22 20	24.0	0.0	
100	QPSK	135	86	22 24	24.0	0.0	
100	QPSK	135	138	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				849856	850000	850224	Time-up time (dBm)
80	QPSK	1	1	22 12	22 21	22 20	24.0
Channel				849334	850000	850666	Time-up time (dBm)
80	QPSK	1	1	21 51 01	21 50	21 50 00	24.0
Channel				849000	850000	851000	Time-up time (dBm)
80	QPSK	1	1	22 23	22 17	22 20	24.0
Channel				848500	850000	851500	Time-up time (dBm)
70	QPSK	1	1	22 15	22 14	22 16	24.0
Channel				848000	850000	852000	Time-up time (dBm)
80	QPSK	1	1	22 20	22 14	22 14	24.0
Channel				848034	850000	851966	Time-up time (dBm)
80	QPSK	1	1	22 17	22 13	22 16	24.0
Channel				848000	850000	852000	Time-up time (dBm)
80	QPSK	1	1	22 17	22 19	22 20	24.0
Channel				847100	850000	851100	Time-up time (dBm)
80	QPSK	1	1	22 12	22 10	22 11	24.0
Channel				847000	850000	852000	Time-up time (dBm)
25	QPSK	1	1	22 22	22 14	22 14	24.0
Channel				847034	850000	852066	Time-up time (dBm)
20	QPSK	1	1	22 16	22 22	22 21	24.0
Channel				847166	850000	852034	Time-up time (dBm)
15	QPSK	1	1	22 19	22 18	22 11	24.0
Channel				847000	850000	852000	Time-up time (dBm)
10	QPSK	1	1	22 03	22 21	22 16	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				833334	833334	833334	
Frequency (MHz)				3100	3100	3100	
100	PSK BPSK	1	1	22 21			
100	PSK BPSK	1	137	22 25		24.0	0.0
100	PSK BPSK	1	271	22 11			
100	PSK BPSK	135	0	22 03	24.0	0.0	
100	PSK BPSK	135	86	22 22	24.0	0.0	
100	PSK BPSK	135	138	22 05			
100	PSK BPSK	270	0	22 04	24.0	0.0	
100	QPSK	1	1	22 20			
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	138	22 19			
100	QPSK	270	0	22 24	24.0	0.0	
100	16QAM	1	1	22 15	24.0	0.0	
100	16QAM	1	1	22 13	24.0	0.0	
100	16QAM	1	1	22 06	22.5	1.5	
Channel				833000	833334	833666	Time-up time (dBm)
80	QPSK	1	1	22 16	22 23	22 21	24.0
Channel				833668	833334	834000	Time-up time (dBm)
80	QPSK	1	1	24 00 02	24 00 01	24 00	24.0
Channel				833200	833334	833334	Time-up time (dBm)
80	QPSK	1	1	22 26	22 20	22 27	24.0
Channel				833114	833334	833554	Time-up time (dBm)
70	QPSK	1	1	22 18	22 24	22 21	24.0
Channel				833000	833334	833666	Time-up time (dBm)
80	QPSK	1	1	22 26	22 17	22 17	24.0
Channel				831868	833334	833996	Time-up time (dBm)
80	QPSK	1	1	22 27	22 22	22 24	24.0
Channel				831334	833334	835334	Time-up time (dBm)
80	QPSK	1	1	24 15 11	24 00 01	24 00 01	24.0
Channel				831100	833334	835500	Time-up time (dBm)
30	QPSK	1	1	22 19	22 18	22 28	24.0
Channel				830800	833334	836666	Time-up time (dBm)
25	QPSK	1	1	22 27	22 24	22 17	24.0
Channel				830668	833334	834000	Time-up time (dBm)
20	QPSK	1	1	22 24	22 18	22 26	24.0
Channel				830500	833334	836166	Time-up time (dBm)
15	QPSK	1	1	22 24	22 16	22 19	24.0
Channel				830334	833334	836334	Time-up time (dBm)
10	QPSK	1	1	22 26	22 17	22 17	24.0

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	3624.99	3649.98		
Frequency (MHz)				15.40	15.51	15.53		
40	PV2 BPSK	1	1	15.40	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				3765.02	3779.96	3794.99		
Frequency (MHz)				3665.02	3694.99	3684.99		
30	QPSK	1	1	15.46	15.51	15.50	16.6	0.0
Channel				637334	641666	646000		
Frequency (MHz)				3667.62	3624.99	3692.49		
20	QPSK	1	1	15.47	15.54	15.47	16.6	0.0
Channel				637168	641666	646166		
Frequency (MHz)				3557.62	3624.99	3692.49		
10	QPSK	1	1	15.40	15.40	15.39	16.6	0.0
Channel				637000	641666	646332		
Frequency (MHz)				3595	3624.99	3694.98		
10	QPSK	1	1	15.42	15.52	15.39	16.6	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				650000	656000	660000		
Frequency (MHz)				3700	3840	3900		
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				679950	676000	672004		
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.19	15.29	15.15	16.2	0.0
Channel				669334	656000	652068		
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.11	15.22	15.19	16.2	0.0
Channel				668000	656000	653000		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.10	15.20	15.19	16.2	0.0
Channel				668968	656000	653334		
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.12	15.28	15.18	16.2	0.0
Channel				670324	656000	652068		
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.09	15.20	15.13	16.2	0.0
Channel				668000	656000	654000		
Frequency (MHz)				3724	3840	3949		
40	QPSK	1	1	15.19	15.22	15.16	16.2	0.0
Channel				647668	656000	654334		
Frequency (MHz)				3715.02	3840	3995.01		
30	QPSK	1	1	15.15	15.23	15.17	16.2	0.0
Channel				647500	656000	654500		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.16	15.30	15.21	16.2	0.0
Channel				647284	656000	654668		
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.16	15.21	15.10	16.2	0.0
Channel				647168	656000	654834		
Frequency (MHz)				3707.62	3840	3972.51		
15	QPSK	1	1	15.11	15.22	15.12	16.2	0.0
Channel				647000	656000	655000		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.08	15.20	15.12	16.2	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				630000	633334	636668		
Frequency (MHz)				3800.01				
100	PV2 BPSK	1	1	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	15.87				
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				633000	633334	633668		
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.21	15.33	15.30	16.2	0.0
Channel				632068	633334	634000		
Frequency (MHz)				3490.01	3502.01	3510		
80	QPSK	1	1	15.23	15.28	15.24	16.2	0.0
Channel				632334	633334	634334		
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.23	15.23	15.22	16.2	0.0
Channel				632000	633334	634668		
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.24	15.25	15.27	16.2	0.0
Channel				631548	633334	635000		
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.25	15.29	15.27	16.2	0.0
Channel				631334	633334	635334		
Frequency (MHz)				3470.01	3502.01	3530.01		
40	QPSK	1	1	15.31	15.25	15.30	16.2	0.0
Channel				631000	633334	635668		
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.24	15.29	15.21	16.2	0.0
Channel				630534	633334	635934		
Frequency (MHz)				3462.01	3500.01	3537.51		
25	QPSK	1	1	15.26	15.21	15.26	16.2	0.0
Channel				630068	633334	636000		
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.32	15.23	15.23	16.2	0.0
Channel				630000	633334	636168		
Frequency (MHz)				3457.62	3500.01	3542.52		
15	QPSK	1	1	15.29	15.29	15.32	16.2	0.0
Channel				630334	633334	636334		
Frequency (MHz)				3455.01	3500.01	3545.01		
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	652608	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	650000	650000				
Frequency (MHz)				3800.01	3800.01	3800.01				
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	QPSK	1	1		15.68					
100	QPSK	1	137		15.55		16.2	0.0		
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	3500.01	3505.02				
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	3500.01	3510.01				
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	3500.01	3515.01				
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	3500.01	3520.02				
60	QPSK	1	1		15.04	15.09	15.09	16.2	0.0	
Channel				627048	633334	635000	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				3475.02	3500.01	3525				
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	3500.01	3530.01				
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	3500.01	3535.02				
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	3500.01	3537.01				
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	3500.01	3540				
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	3500.01	3542.52				
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	3500.01	3545.01				
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 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		17.0	0.0
100	256QAM	1	1		15.52		17.0	0.0
Channel				648968	650000	650334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3750	3755.01	(dBm)	(dB)
90	QPSK	1	1	15.68	15.67	15.69	17.0	0.0
Channel				648334	650000	650668	Tune-up limit	MPR
Frequency (MHz)				3740.01	3750	3760.02	(dBm)	(dB)
80	QPSK	1	1	15.77	15.75	15.73	17.0	0.0
Channel				648000	650000	651000	Tune-up limit	MPR
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	15.72	15.65	15.68	17.0	0.0
Channel				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3730.02	3750	3770.01	(dBm)	(dB)
60	QPSK	1	1	15.73	15.70	15.76	17.0	0.0
Channel				648334	650000	651668	Tune-up limit	MPR
Frequency (MHz)				3725.01	3750	3775.02	(dBm)	(dB)
50	QPSK	1	1	15.69	15.66	15.71	17.0	0.0
Channel				648000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	QPSK	1	1	15.67	15.67	15.67	17.0	0.0
Channel				647668	650000	652334	Tune-up limit	MPR
Frequency (MHz)				3715.02	3750	3785.01	(dBm)	(dB)
30	QPSK	1	1	15.69	15.68	15.68	17.0	0.0
Channel				647500	650000	652500	Tune-up limit	MPR
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	15.75	15.70	15.74	17.0	0.0
Channel				647334	650000	652668	Tune-up limit	MPR
Frequency (MHz)				3710.01	3750	3790.02	(dBm)	(dB)
20	QPSK	1	1	15.76	15.69	15.66	17.0	0.0
Channel				647168	650000	652834	Tune-up limit	MPR
Frequency (MHz)				3707.52	3750	3792.51	(dBm)	(dB)
15	QPSK	1	1	15.71	15.71	15.75	17.0	0.0
Channel				647000	650000	653000	Tune-up limit	MPR
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
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			
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		17.0	0.0
100	256QAM	1	1		15.46		17.0	0.0
Channel				633000	633334	633668	Tune-up limit	MPR
Frequency (MHz)				3495	3500.01	3505.02	(dBm)	(dB)
90	QPSK	1	1	15.63	15.61	15.57	17.0	0.0
Channel				632668	633334	634000	Tune-up limit	MPR
Frequency (MHz)				3490.02	3500.01	3510	(dBm)	(dB)
80	QPSK	1	1	15.57	15.66	15.61	17.0	0.0
Channel				632334	633334	634334	Tune-up limit	MPR
Frequency (MHz)				3485.01	3500.01	3515.01	(dBm)	(dB)
70	QPSK	1	1	15.59	15.60	15.57	17.0	0.0
Channel				632000	633334	634668	Tune-up limit	MPR
Frequency (MHz)				3480	3500.01	3520.02	(dBm)	(dB)
60	QPSK	1	1	15.59	15.65	15.67	17.0	0.0
Channel				631668	633334	635000	Tune-up limit	MPR
Frequency (MHz)				3475.02	3500.01	3525	(dBm)	(dB)
50	QPSK	1	1	15.57	15.60	15.63	17.0	0.0
Channel				631334	633334	635334	Tune-up limit	MPR
Frequency (MHz)				3470.01	3500.01	3530.01	(dBm)	(dB)
40	QPSK	1	1	15.62	15.56	15.65	17.0	0.0
Channel				631000	633334	635668	Tune-up limit	MPR
Frequency (MHz)				3465	3500.01	3535.02	(dBm)	(dB)
30	QPSK	1	1	15.57	15.59	15.60	17.0	0.0
Channel				630634	633334	635934	Tune-up limit	MPR
Frequency (MHz)				3462.51	3500.01	3537.51	(dBm)	(dB)
25	QPSK	1	1	15.66	15.65	15.68	17.0	0.0
Channel				630668	633334	636000	Tune-up limit	MPR
Frequency (MHz)				3460.02	3500.01	3540	(dBm)	(dB)
20	QPSK	1	1	15.60	15.58	15.62	17.0	0.0
Channel				630500	633334	636168	Tune-up limit	MPR
Frequency (MHz)				3462.5	3500.01	3542.52	(dBm)	(dB)
15	QPSK	1	1	15.64	15.61	15.62	17.0	0.0
Channel				630334	633334	636334	Tune-up limit	MPR
Frequency (MHz)				3455.01	3500.01	3545.01	(dBm)	(dB)
10	QPSK	1	1	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				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)				3740.01	3750	3760.02			
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	3785.01			
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		11.86		13.5	0.0	
100	QPSK	270	0		11.96		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)				3490.02	3500.01	3510			
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)				3485.01	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)				3480	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)				3470.01	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)				3457.5	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	PL2-BPSK	1	1	23.25	23.32	23.31	
100	PL2-BPSK	1	137	23.15	23.28	23.32	24.0
100	PL2-BPSK	1	271	23.13	23.25	23.35	
100	PL2-BPSK	135	0	22.83	23.00	22.86	24.0
100	PL2-BPSK	135	66	23.29	23.36	23.32	24.0
100	PL2-BPSK	135	136	22.71	22.88	22.72	
100	PL2-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	23.59	24.0
100	QPSK	1	271	23.23	23.32	23.33	
100	QPSK	135	0	23.33	23.43	23.28	24.0
100	QPSK	135	66	23.29	23.40	23.35	24.0
100	QPSK	135	136	23.29	23.35	23.35	24.0
100	QPSK	270	0	23.28	23.36	23.07	24.0
100	8QAM	1	1	23.25	23.23	23.36	24.0
100	8QAM	1	1	23.15	23.31	23.28	24.0
100	8QAM	1	1	21.98	22.86	21.70	22.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.15	23.41	23.20	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	23.20	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	PL2-BPSK	1	1	25.51	25.52	25.55	
100	PL2-BPSK	1	137	25.39	25.34	25.41	27.0
100	PL2-BPSK	1	271	25.37	25.48	25.37	
100	PL2-BPSK	135	0	25.12	25.11	25.17	26.5
100	PL2-BPSK	135	66	25.21	25.49	25.24	27.0
100	PL2-BPSK	135	136	25.12	25.14	25.08	26.5
100	PL2-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	66	24.82	24.88	24.82	27.0
100	QPSK	135	136	24.87	24.71	24.65	26.0
100	QPSK	270	0	24.87	24.70	24.57	26.0
100	8QAM	1	1	24.84	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	25.43	27.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	25.54	25.66	25.48	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.56	25.69	25.49	27.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	25.57	25.70	25.48	27.0

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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	535200			
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	16.55	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	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	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			
100	QPSK	135	69	16.38	16.56	16.51	17.4	0.0	
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	17.4	0.0	
100	256QAM	1	1	16.36	16.44	16.33	17.4	0.0	
Channel				509200	518598	535298	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	533000	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	533998	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	

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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				508202	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	535199	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				508202	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	532999	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2664.99			
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	533000	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	533999	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	535999	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	

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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	21.5	0.0	
100	PI2 BPSK	1	137	20.07	20.14	20.02			
100	PI2 BPSK	1	271	20.03	20.05	19.88			
100	PI2 BPSK	135	0	20.18	20.17	20.07			
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	21.5	0.0	
100	QPSK	1	1	20.23	20.36	20.15			
100	QPSK	1	197	20.09	20.21	20.08			
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	21.5	0.0	
100	16QAM	1	1	19.96	20.06	19.89			
100	64QAM	1	1	19.88	20.02	19.83			
100	256QAM	1	1	19.99	20.06	19.96			
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	2649.99	2664.98			
80	QPSK	1	1	20.18	20.29	20.10	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	20.17	20.29	20.10	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	20.14	20.25	20.01	21.5	0.0	
Channel				505000	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				502000	518998	535999	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				501004	518998	535998	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	535499	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	

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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	21.2	0.0	
40	PI2 BPSK	1	108	19.64	19.74	19.67			
40	PI2 BPSK	1	214	19.69	19.72	19.62			
40	PI2 BPSK	108	0	19.90	19.94	19.85			
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	21.2	0.0	
40	QPSK	1	1	19.94	20.00	19.85			
40	QPSK	1	108	19.72	19.87	19.70			
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	21.2	0.0	
40	16QAM	1	1	19.69	19.74	19.61			
40	64QAM	1	1	19.63	19.69	19.60			
40	256QAM	1	1	19.77	19.96	19.84			
Channel				637000	641666	646332	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)				3569.01	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	3652.49			
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	

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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		19.7	0.0	
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		18.88				
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		19.7	0.0	
100	64QAM	1	1		18.67		19.7	0.0	
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	18.96	19.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3748.01	3750	3750.02			
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)				3738.02	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	18.99	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		19.7	0.0	
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		19.7	0.0	
100	64QAM	1	1		18.17		19.7	0.0	
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)				3498.02	3500.01	3503			
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)				3495.01	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)				3490	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)				3478.01	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)				3457.02	3500.01	3542.02			
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 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				648968	650000	650334	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)				3748.01	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				648668	650000	651334	Tune-up limit	MPR
Frequency (MHz)				3738.02	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)				3498.02	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)				3495.01	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)				3490	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	3530.01		
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

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	22.41	22.42	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	22.81	22.81	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)								
50	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	22.89	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	22.84	22.81	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	22.41	22.42	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	22.81	22.81	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	8QAM	1	1	22.85	22.85	22.76	23.0	1.0
100	8QAM	1	1	22.63	22.70	22.79	23.5	2.5
100	8QAM	1	1	21.34	21.52	21.44	19.5	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	22.79	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	22.84	22.82	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	22.84	22.81	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 Low Ch. 1 Freq.	Power Max Ch. 1 Freq.	Power High Ch. 1 Freq.	Turnup time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	22.45	22.54	22.41			
40	PSS-BPSK	1	108	22.33	22.41	22.41	24.0	0.0	
40	PSS-BPSK	1	214	22.42	22.43	22.35			
40	PSS-BPSK	108	0	21.99	22.10	22.02	23.5	0.5	
40	PSS-BPSK	108	54	21.93	21.94	22.00	24.0	0.0	
40	PSS-BPSK	108	108	21.92	21.98	21.95	23.5	0.5	
40	PSS-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	21.94	23.0	1.0	
40	SSB-QAM	1	1	21.42	21.53	21.44	23.0	1.0	
40	SSB-QAM	1	1	20.15	20.12	20.12	21.5	2.5	
40	SSB-QAM	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	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	22.46	22.53	22.38	24.0	0.0	

n25 Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. 1 Freq. 370000	Power Max Ch. 1 Freq. 370000	Power High Ch. 1 Freq. 370000	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	22.40	22.52	22.41			
40	PSS-BPSK	1	108	22.32	22.43	22.35	24.0	0.0	
40	PSS-BPSK	1	214	22.38	22.43	22.32			
40	PSS-BPSK	108	0	21.93	22.02	22.02	23.5	0.5	
40	PSS-BPSK	108	54	22.03	22.02	22.02	24.0	0.0	
40	PSS-BPSK	108	108	21.98	21.99	22.01	23.5	0.5	
40	PSS-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	21.34	21.37	21.34	24.0	0.0	
40	QPSK	108	108	21.40	21.37	21.34	23.0	1.0	
40	QPSK	216	0	21.40	21.40	21.42	23.0	1.0	
40	SSB-QAM	1	1	21.46	21.55	21.51	23.0	1.0	
40	SSB-QAM	1	1	20.98	20.18	20.12	21.5	2.5	
40	SSB-QAM	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.	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
40	PSS-BPSK	1	1	22.46	22.55	22.44			
40	PSS-BPSK	1	108	22.35	22.73	22.58	24.0	0.0	
40	PSS-BPSK	1	214	22.38	22.75	22.51			
40	PSS-BPSK	108	0	21.98	22.59	22.10	23.5	0.5	
40	PSS-BPSK	108	54	22.06	22.98	22.81	24.0	0.0	
40	PSS-BPSK	108	108	22.02	22.35	22.15	23.5	0.5	
40	PSS-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	21.38	21.35	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	SSB-QAM	1	1	21.52	21.64	21.58	23.0	1.0	
40	SSB-QAM	1	1	20.15	20.50	20.25	21.5	2.5	
40	SSB-QAM	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. [MHz]	Power Max Ch. 1 Freq. [MHz]	Power High Ch. 1 Freq. [MHz]	Turn-up time (dBm)	MPE (dB)	
Channel									
Frequency [MHz]									
15	PSS-BPSK	1	1			23.15			
15	PSS-BPSK	1	40			23.65	24.0	0.0	
15	PSS-BPSK	1	70			22.48			
15	PSS-BPSK	36	0			22.83	23.5	0.5	
15	PSS-BPSK	36	20			23.17	24.0	0.0	
15	PSS-BPSK	36	40			22.59	23.5	0.5	
15	PSS-BPSK	70	0			22.55			
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			22.60	24.0	0.0	
15	QPSK	36	40			22.10	23.0	1.0	
15	QPSK	70	0			22.11			
15	SSB-QAM	1	1			20.81	21.5	2.5	
15	SSB-QAM	1	1			18			
20MHz				1	1	18.68	19.5	4.5	
Channel									
Frequency [MHz]									
15	QPSK	1	1	18.6800	19.025	18.7400	19.0	0.0	
15	QPSK	1	1	21.14	21.51	21.30	21.5	0.0	
15	QPSK	1	1	23.60	23.97	23.78	24.0	0.0	
Channel									
Frequency [MHz]									
5	QPSK	1	1	20.11	20.11	20.11	20.1	0.0	

n41 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	PL2-BPSK	1	1	22.53	23.08	23.55	
100	PL2-BPSK	1	137	22.89	23.08	22.94	24.0
100	PL2-BPSK	1	271	22.85	22.88	22.87	
100	PL2-BPSK	135	0	22.40	22.72	22.65	24.0
100	PL2-BPSK	135	0	22.29	23.16	23.12	24.0
100	PL2-BPSK	135	136	22.43	22.40	22.61	24.0
100	PL2-BPSK	270	0	22.41	22.84	22.94	
100	QPSK	1	1	22.55	22.55	22.57	
100	QPSK	1	137	22.88	23.09	22.98	24.0
100	QPSK	1	271	22.83	22.85	22.85	
100	QPSK	135	0	22.01	22.24	22.12	24.0
100	QPSK	135	0	22.48	22.48	22.48	24.0
100	QPSK	135	136	22.83	22.94	22.96	24.0
100	QPSK	270	0	22.79	22.81	22.88	24.0
100	8QAM	1	1	22.75	22.86	22.86	24.0
100	8QAM	1	1	22.74	22.86	22.86	24.0
100	8QAM	1	1	21.45	21.76	21.65	22.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	22.45	23.14	23.04	24.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.87	23.15	23.07	24.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	22.83	23.18	23.11	24.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.89	23.17	23.07	24.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.59	23.10	23.11	24.0
Channel							
Frequency (MHz)							
45	QPSK	1	1	22.50	23.16	23.08	24.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.42	23.09	23.01	24.0
Channel							
Frequency (MHz)							
35	QPSK	1	1	22.84	23.07	23.04	24.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.89	23.14	23.10	24.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	22.85	23.16	23.01	24.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.87	23.10	23.10	24.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	22.51	23.15	23.09	24.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	22.83	23.13	23.02	24.0

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	PL2-BPSK	1	1	25.58	25.09	26.15	
100	PL2-BPSK	1	137	25.78	26.09	25.85	27.0
100	PL2-BPSK	1	271	25.80	25.88	25.85	
100	PL2-BPSK	135	0	25.29	25.55	25.52	26.5
100	PL2-BPSK	135	0	25.28	25.17	25.19	27.0
100	PL2-BPSK	135	136	25.83	25.83	25.83	26.5
100	PL2-BPSK	270	0	25.80	25.58	25.45	
100	QPSK	1	1	25.87	25.87	25.75	
100	QPSK	1	137	25.89	26.10	25.89	27.0
100	QPSK	1	271	25.84	25.85	25.84	
100	QPSK	135	0	24.84	25.16	25.10	26.0
100	QPSK	135	0	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	26.0
100	8QAM	1	1	24.86	25.18	25.19	26.0
100	8QAM	1	1	23.48	23.77	23.74	26.5
100	8QAM	1	1	21.44	21.76	21.68	22.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	25.87	25.21	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	26.16	26.04	27.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	25.83	26.16	26.11	27.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	25.83	26.16	26.10	27.0
Channel							
Frequency (MHz)							
45	QPSK	1	1	25.81	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	26.15	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

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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	0	22.20	22.78	22.50	24.0	0.0
100	P1/2 BPSK	135	0	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	0	23.10	23.18	23.01	24.0	0.0
100	QPSK	135	0	23.14	23.16	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	16QAM	1	1	23.05	23.08	22.85	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)								
50	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	22.97	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	23.18	22.85	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	0	22.20	22.78	22.50	24.0	0.0
100	P1/2 BPSK	135	0	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	0	23.10	23.18	23.01	24.0	0.0
100	QPSK	135	0	23.14	23.16	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	16QAM	1	1	23.05	23.08	22.85	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)								
50	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	22.97	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	23.18	22.85	24.0	0.0

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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	197		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)				3740.01	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)				3730.02	3750	3770.01		
60	QPSK	1	1		22.40	22.41	22.39	23.0 0.0
Channel				648334	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	652668	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

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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)					3500.01			
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	197		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)				3490.02	3500.01	3510		
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)				3485.01	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)				3480	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	3528.01		
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				630668	633334	636000	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

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SR [MHz]	Modulation	RB Size	RB Offset	Power CIS [dBm]	Power FIS [dBm]	Power FIS [dBm]	Power FIS [dBm]
Frequency [MHz]							
100	PSK256Q	1	1	23.00	23.00	23.00	
100	PSK256Q	1	137	23.04	23.04	23.04	24.0
100	PSK256Q	1	271	23.08	23.08	23.08	24.0
100	PSK256Q	1	405	23.12	23.12	23.12	24.0
100	PSK256Q	1	539	23.16	23.16	23.16	24.0
100	PSK256Q	1	673	23.20	23.20	23.20	24.0
100	PSK256Q	1	807	23.24	23.24	23.24	24.0
100	PSK256Q	1	941	23.28	23.28	23.28	24.0
100	PSK256Q	1	1075	23.32	23.32	23.32	24.0
100	PSK256Q	1	1209	23.36	23.36	23.36	24.0
100	PSK256Q	1	1343	23.40	23.40	23.40	24.0
100	PSK256Q	1	1477	23.44	23.44	23.44	24.0
100	PSK256Q	1	1611	23.48	23.48	23.48	24.0
100	PSK256Q	1	1745	23.52	23.52	23.52	24.0
100	PSK256Q	1	1879	23.56	23.56	23.56	24.0
100	PSK256Q	1	2013	23.60	23.60	23.60	24.0
100	PSK256Q	1	2147	23.64	23.64	23.64	24.0
100	PSK256Q	1	2281	23.68	23.68	23.68	24.0
100	PSK256Q	1	2415	23.72	23.72	23.72	24.0
100	PSK256Q	1	2549	23.76	23.76	23.76	24.0
100	PSK256Q	1	2683	23.80	23.80	23.80	24.0
100	PSK256Q	1	2817	23.84	23.84	23.84	24.0
100	PSK256Q	1	2951	23.88	23.88	23.88	24.0
100	PSK256Q	1	3085	23.92	23.92	23.92	24.0
100	PSK256Q	1	3219	23.96	23.96	23.96	24.0
100	PSK256Q	1	3353	24.00	24.00	24.00	24.0
100	PSK256Q	1	3487	24.04	24.04	24.04	24.0
100	PSK256Q	1	3621	24.08	24.08	24.08	24.0
100	PSK256Q	1	3755	24.12	24.12	24.12	24.0
100	PSK256Q	1	3889	24.16	24.16	24.16	24.0
100	PSK256Q	1	4023	24.20	24.20	24.20	24.0
100	PSK256Q	1	4157	24.24	24.24	24.24	24.0
100	PSK256Q	1	4291	24.28	24.28	24.28	24.0
100	PSK256Q	1	4425	24.32	24.32	24.32	24.0
100	PSK256Q	1	4559	24.36	24.36	24.36	24.0
100	PSK256Q	1	4693	24.40	24.40	24.40	24.0
100	PSK256Q	1	4827	24.44	24.44	24.44	24.0
100	PSK256Q	1	4961	24.48	24.48	24.48	24.0
100	PSK256Q	1	5095	24.52	24.52	24.52	24.0
100	PSK256Q	1	5229	24.56	24.56	24.56	24.0
100	PSK256Q	1	5363	24.60	24.60	24.60	24.0
100	PSK256Q	1	5497	24.64	24.64	24.64	24.0
100	PSK256Q	1	5631	24.68	24.68	24.68	24.0
100	PSK256Q	1	5765	24.72	24.72	24.72	24.0
100	PSK256Q	1	5899	24.76	24.76	24.76	24.0

[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				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				
100	QPSK	1	137		16.56				
100	QPSK	1	271		16.56		18.0	0.0	
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 (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		16.38	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	Pi2 BPSK	1	1		16.34				
100	Pi2 BPSK	1	137		16.20		18.0	0.0	
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				
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	532998	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

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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	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	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.53	19.62	19.43	20.8	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.57	19.62	19.40	20.8	0.0
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.61	19.63	19.49	20.8	0.0
Channel				506200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.50	19.69	19.45	20.8	0.0
Channel				504204	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.52	19.61	19.44	20.8	0.0
Channel				503700	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.58	19.62	19.42	20.8	0.0
Channel				503202	518998	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.52	19.62	19.49	20.8	0.0
Channel				502704	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.58	19.69	19.48	20.8	0.0
Channel				502200	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.60	19.68	19.46	20.8	0.0
Channel				501702	518998	533500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.52	19.62	19.45	20.8	0.0
Channel				501204	518998	533698	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.09	2692.99	2679.99		
20	QPSK	1	1	19.57	19.69	19.40	20.8	0.0
Channel				500700	518998	533498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.54	19.58	19.43	20.8	0.0
Channel				500202	518998	533000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.52	19.62	19.40	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				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)				2518.5	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)				2508.51	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)				3585.02	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	19.81	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	3500.01	3505.02		
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	3500.01	3503		
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	3500.01	3515.01		
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	3500.01	3520.02		
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	3500.01	3525		
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)				3470.01	3500.01	3530.01		
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	3500.01	3535.02		
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	3500.01	3537.51		
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	3500.01	3540		
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	3500.01	3542.51		
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	3500.01	3545.01		
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 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		19.58			
100	Pi2 BPSK	1	137		19.49		20.8	0.0
100	Pi2 BPSK	1	271		19.47		20.8	0.0
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			
100	QPSK	1	137		19.60			
100	QPSK	1	271		19.53		20.8	0.0
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				649968	650000	650034	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				649334	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				648900	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	651000	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 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		19.80			
100	Pi2 BPSK	1	137		19.66		20.8	0.0
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			
100	QPSK	1	137		19.89		20.8	0.0
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		19.68		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	3530.01		
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				630634	633334	635934	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				630668	633334	636000	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				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	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 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	650032	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	650968	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				648968	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. / 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				
100	QPSK	1	137		20.01				
100	QPSK	1	271		20.04		21.6	0.0	
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				
100	64QAM	1	1		19.86				
100	256QAM	1	1		19.90		21.6	0.0	
Channel				649968	650000	650034	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3745.02	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)				3748.01	3750	3750.02			
80	QPSK	1	1		20.11	20.07	20.11	21.6	0.0
Channel				648000	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				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3738.02	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)				3707.52	3750	3792.51			
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			
100	QPSK	1	137		20.14			
100	QPSK	1	271		20.03		21.6	0.0
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			
100	64QAM	1	1		19.75			
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)				3498.02	3500.01	3503		
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)				3495.01	3500.01	3505.01		
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)				3490	3500.01	3505.02		
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	3505		
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)				3478.01	3500.01	3505.01		
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	3505.02		
30	QPSK	1	1	19.92	19.97	19.93	21.6	0.0
Channel				630500	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3507.51		
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	3505		
20	QPSK	1	1	19.97	19.92	19.94	21.6	0.0
Channel				630500	633334	636668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3507.52		
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	3505.01		
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 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)								
10	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 Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PV2 BPSK	1	1	16.32	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 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	16.27	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	16.22	16.52	16.22	18.0	0.0
100	QPSK	1	137	16.27	16.52	16.27		
100	QPSK	1	271	16.27	16.52	16.27		
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	16.35	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	Pi2 BPSK	1	1		16.34				
100	Pi2 BPSK	1	137		16.20		18.0	0.0	
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				
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	16.19	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		16.26	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	MPR
Frequency (MHz)				2541	2592.99	2644.98	(dBm)	(dB)
90	QPSK	1	1	23.15	23.41	23.26	23.7	0.0
Channel				507204	518998	529998	Tune-up limit	MPR
Frequency (MHz)				2536.02	2592.99	2640.99	(dBm)	(dB)
80	QPSK	1	1	23.24	23.46	23.30	23.7	0.0
Channel				508202	518998	531000	Tune-up limit	MPR
Frequency (MHz)				2531.01	2592.99	2655	(dBm)	(dB)
70	QPSK	1	1	23.17	23.38	23.27	23.7	0.0
Channel				509200	518998	531998	Tune-up limit	MPR
Frequency (MHz)				2526	2592.99	2659.98	(dBm)	(dB)
60	QPSK	1	1	23.17	23.44	23.27	23.7	0.0
Channel				504204	518998	533998	Tune-up limit	MPR
Frequency (MHz)				2621.02	2592.99	2664.99	(dBm)	(dB)
50	QPSK	1	1	23.21	23.44	23.28	23.7	0.0
Channel				503202	518998	534000	Tune-up limit	MPR
Frequency (MHz)				2516.01	2592.99	2670	(dBm)	(dB)
40	QPSK	1	1	23.24	23.47	23.27	23.7	0.0
Channel				502200	518998	534998	Tune-up limit	MPR
Frequency (MHz)				2511	2592.99	2674.98	(dBm)	(dB)
30	QPSK	1	1	23.18	23.45	23.23	23.7	0.0
Channel				501204	518998	535998	Tune-up limit	MPR
Frequency (MHz)				2506.02	2592.99	2679.99	(dBm)	(dB)
20	QPSK	1	1	23.25	23.36	23.29	23.7	0.0
Channel				500700	518998	536998	Tune-up limit	MPR
Frequency (MHz)				2603.5	2592.99	2682.48	(dBm)	(dB)
15	QPSK	1	1	23.20	23.39	23.31	23.7	0.0
Channel				500202	518998	537000	Tune-up limit	MPR
Frequency (MHz)				2501.01	2592.99	2685	(dBm)	(dB)
10	QPSK	1	1	23.24	23.40	23.26	23.7	0.0



Reduced Power Mode for EC17_Other PA

n2 Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Max Ch. 1 Freq. 314000	Power Max Ch. 1 Freq. 316000	Power Low Ch. 1 Freq. 318000	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	18.53	19.6	0.0			
40	PSSBPSK	1	214	18.53	18.51	18.53					
40	PSSBPSK	108	0	18.54	18.70	18.43	19.9	0.0			
40	PSSBPSK	108	54	18.41	18.43	18.43	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	18.40					
40	QPSK	1	1	18.53	18.70	18.51					
40	QPSK	1	108	18.51	18.57	18.53	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	18.46	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	18.49	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	19.4	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	0.0			
Channel											
Frequency [MHz]											
30	QPSK	1	1	18.52	18.70	18.43	19.6	0.0			
Channel											
Frequency [MHz]											
25	QPSK	1	1	18.55	18.86	18.43	19.6	0.0			
Channel											
Frequency [MHz]											
20	QPSK	1	1	18.50	18.63	18.49	19.9	0.0			
Channel											
Frequency [MHz]											
15	QPSK	1	1	18.54	18.67	18.51	19.6	0.0			
Channel											
Frequency [MHz]											
10	QPSK	1	1	18.50	18.69	18.43	19.6	0.0			
Channel											
Frequency [MHz]											
5	QPSK	1	1	18.54	18.72	18.47	19.6	0.0			

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	16.85	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	17.13	16.98	18.2	0.0			

n70 Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Ch. 1 [dBm]	Power Ch. 2 [dBm]	Power Ch. 3 [dBm]	Power Ch. 4 [dBm]	Power Ch. 5 [dBm]	Power Ch. 6 [dBm]
Channel									
Frequency [MHz]									
15	PSK31	1	0	18.51	18.51	18.51	18.51	18.51	18.51
15	PSK31	1	40	18.51	18.51	18.51	18.51	18.51	18.51
15	PSK31	1	77	18.51	18.51	18.51	18.51	18.51	18.51
15	PSK31	1	114	18.51	18.51	18.51	18.51	18.51	18.51
15	PSK31	36	20	17.84	17.84	17.84	17.84	17.84	17.84
15	PSK31	36	56	17.84	17.84	17.84	17.84	17.84	17.84
15	PSK31	72	40	17.83	17.83	17.83	17.83	17.83	17.83
15	QPSK	1	0	18.50	18.50	18.50	18.50	18.50	18.50
15	QPSK	1	40	17.82	17.82	17.82	17.82	17.82	17.82
15	QPSK	1	77	17.86	17.86	17.86	17.86	17.86	17.86
15	QPSK	1	114	17.79	17.79	17.79	17.79	17.79	17.79
15	QPSK	36	20	17.28	17.28	17.28	17.28	17.28	17.28
15	QPSK	36	56	17.65	17.65	17.65	17.65	17.65	17.65
15	QPSK	72	40	17.75	17.75	17.75	17.75	17.75	17.75
15	MSK45	1	0	17.75	17.75	17.75	17.75	17.75	17.75
15	MSK45	1	40	17.76	17.76	17.76	17.76	17.76	17.76
200kHz	SSB	1	0	17.73	17.73	17.73	17.73	17.73	17.73
Channel									
Frequency [MHz]									
10	QPSK	1	0	18.05	17.95	17.95	17.95	17.95	17.95
10	QPSK	1	40	18.05	17.95	17.95	17.95	17.95	17.95
10	QPSK	1	77	18.05	17.95	17.95	17.95	17.95	17.95
10	QPSK	1	114	18.05	17.95	17.95	17.95	17.95	17.95

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	16.58	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			
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	16.64	16.42	17.4	0.0	
100	QPSK	1	271	16.46	16.62	16.55			
100	QPSK	135	0	16.51	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	17.4	0.0	
100	256QAM	1	1	16.35	16.44	16.33	17.4	0.0	
Channel				506200	518998	528998	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	2649.99			
80	QPSK	1	1	16.55	16.67	16.46	17.4	0.0	
Channel				506202	518998	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2531.01	2592.99	2655			
70	QPSK	1	1	16.50	16.57	16.45	17.4	0.0	
Channel				506200	518998	531998	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	518998	533998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2621.02	2592.99	2664.99			
50	QPSK	1	1	16.52	16.59	16.44	17.4	0.0	
Channel				503700	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	17.4	0.0	
Channel				503202	518998	533000	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	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	17.4	0.0	
Channel				502200	518998	533998	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	533500	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	518998	533098	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.09	2692.99	2679.99			
20	QPSK	1	1	16.61	16.63	16.50	17.4	0.0	
Channel				500700	518998	532498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2592.99	2662.48			
15	QPSK	1	1	16.50	16.68	16.56	17.4	0.0	
Channel				500202	518998	532000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501.01	2692.99	2665			
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. 374000)	Power High Ch. 1 (Freq. 374000)	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	SSB-AM	1	1	11.84	11.84	11.76	13.1	0.0	
40	SSB-AM	1	1	11.78	11.86	11.74	13.1	0.0	
40	SSB-AM	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	12.10	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 (Freq. 374000)	Power Max Ch. 1 (Freq. 374000)	Power High Ch. 1 (Freq. 374000)	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	12.09	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	11.69	11.80	11.68	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	SSB-AM	1	1	11.75	11.81	11.74	13.1	0.0	
40	SSB-AM	1	1	11.84	11.82	11.72	13.1	0.0	
40	SSB-AM	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	11.95	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 (Freq. 340000)	Power Max Ch. 1 (Freq. 340000)	Power High Ch. 1 (Freq. 340000)	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	13.36	13.27	13.22			
40	QPSK	1	1	13.36	13.35	13.40			
40	QPSK	1	108	13.39	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	13.09	13.08	13.09	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	SSB-AM	1	1	13.11	13.25	13.12	14.8	0.0	
40	SSB-AM	1	1	13.08	13.17	13.08	14.8	0.0	
40	SSB-AM	1	1	13.15	13.07	13.03	14.8	0.0	
Channel									
Frequency (MHz)									
35	QPSK	1	1	13.36	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	13.43	13.30	14.8	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.33	13.43	13.30	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 (Freq. 340000)	Power Max Ch. 1 (Freq. 340000)	Power High Ch. 1 (Freq. 340000)	Turn-up time (dBm)	MPS (dB)	
Channel									
Frequency (MHz)									
15	PUS-BSFSC	1	1		14.21				
15	PUS-BSFSC	1	40			14.08		15.2	0.0
15	PUS-BSFSC	1	77			14.05		15.2	0.0
15	PUS-BSFSC	36	0			14.25		15.2	0.0
15	PUS-BSFSC	36	36			14.19		15.2	0.0
15	PUS-BSFSC	36	43			14.12		15.2	0.0
15	PUS-BSFSC	75	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	3	0			14.24		15.2	0.0
15	QPSK	3	36			14.15		15.2	0.0
15	QPSK	3	72			14.10		15.2	0.0
15	QPSK	75	0			14.03		15.2	0.0
15	QPSK	75	36			14.00		15.2	0.0
15	QPSK	75	72			13.98		15.2	0.0
15	QPSK	150	0			13.99		15.2	0.0
250MHz (1)									
Frequency (MHz)				340000	340000	340000	340000	340000	340000
15	QPSK	1	1	14.18	14.25	14.21	14.18	14.15	14.12
Channel				340000	340000	340000	340000	340000	340000
Frequency (MHz)				14.12	14.12	14.12	14.12	14.12	14.12
5	QPSK	1	1	14.17	14.17	14.17	14.22	15.2	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				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	12.44	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				506202	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				502200	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				505201	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)				2514.5	2592.99	2607.49			
45	QPSK	1	1	20.04	20.17	20.10	21.5	0.0	
Channel				503202	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				507704	515099	535499	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	535500	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				500303	515099	535499	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	15.91	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				650000	650000	660000		
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	17.66	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				640000	650000	660000	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				648000	650000	660000	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	650000	660000	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				648000	650000	660000	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				631000	650000	660000	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	650000	660000	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				647000	650000	660000	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	650000	660000	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				647000	650000	660000	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	650000	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	650000	660000	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				630000	633334	636668		
Frequency (MHz)				3550.01				
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				630000	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3488.02	3500.01	3503		
80	QPSK	1	1	17.89	17.85	17.94	19.3	0.0
Channel				633334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.94	17.90	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	3530.01		
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	17.94	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	17.93	17.90	17.84	19.3	0.0
Channel				630000	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)				3457.5	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

Part27O n78 PC3IPC2 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	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				
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		17.36		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)				3748.01	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)				3738.02	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	3785.01			
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	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3718.01	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)				3707.02	3750	3792.01			
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

Part27Q n78 PC3IPC2 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				633000	633334	633334			
Frequency (MHz)				3550.01					
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		17.60		19.3	0.0	
100	Pi2 BPSK	135	69		17.75		19.3	0.0	
100	Pi2 BPSK	135	138		17.69				
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				630668	633334	634000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3498.02	3500.01	3503			
80	QPSK	1	1		17.87	17.93	17.82	19.3	0.0
Channel				630334	633334	634334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3495.01	3500.01	3515.01			
70	QPSK	1	1		17.89	17.90	17.82	19.3	0.0
Channel				630000	633334	634668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490	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)				3478.01	3500.01	3528.01			
40	QPSK	1	1		17.81	17.86	17.86	19.3	0.0
Channel				631000	633334	636668	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	636334	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)				3462.0	3500.01	3542.02			
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)									
				3600	3624.99	3649.98			
40	PV2 BPSK	1	1	11.31	11.36	11.23			
40	PV2 BPSK	1	53	11.18	11.27	11.20	12.5	0.0	
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			
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			
40	QPSK	1	53	11.29	11.39	11.18			
40	QPSK	1	104	11.42	11.42	11.23	12.5	0.0	
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)									
15	QPSK	1	1	11.29	11.46	11.24	12.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.24	11.42	11.16	12.5	0.0	

Part270 n77 PC3\PC2 Ant 4									
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			
100	PV2 BPSK	1	137	11.39	11.48	11.35	13.0	0.0	
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			
100	PV2 BPSK	270	0	11.40	11.55	11.45	13.0	0.0	
100	QPSK	1	1	11.62	11.66	11.51			
100	QPSK	1	137	11.50	11.61	11.48	13.0	0.0	
100	QPSK	1	271	11.50	11.53	11.49	13.0	0.0	
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			
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									
				669688	669000	662334	Tune-up limit		MPR
Frequency (MHz)				3740.01	3640	3655.51	(dBm)		(dB)
90	QPSK	1	1	11.47	11.53	11.42	13.0	0.0	
Channel									
				668334	669000	662668	Tune-up limit		MPR
Frequency (MHz)				3740.01	3640	3647.02	(dBm)		(dB)
80	QPSK	1	1	11.50	11.58	11.40	13.0	0.0	
Channel									
				674000	669000	653000	Tune-up limit		MPR
Frequency (MHz)				3735	3640	3645	(dBm)		(dB)
70	QPSK	1	1	11.52	11.54	11.42	13.0	0.0	
Channel									
				669688	669000	662623	Tune-up limit		MPR
Frequency (MHz)				3739.02	3640	3650.51	(dBm)		(dB)
60	QPSK	1	1	11.56	11.52	11.39	13.0	0.0	
Channel									
				668334	669000	656968	Tune-up limit		MPR
Frequency (MHz)				3735.11	3640	3647.02	(dBm)		(dB)
50	QPSK	1	1	11.53	11.50	11.42	13.0	0.0	
Channel									
				668000	669000	664000	Tune-up limit		MPR
Frequency (MHz)				3720	3640	3650	(dBm)		(dB)
40	QPSK	1	1	11.51	11.59	11.35	13.0	0.0	
Channel									
				667664	669000	652334	Tune-up limit		MPR
Frequency (MHz)				3715.02	3640	3650.51	(dBm)		(dB)
30	QPSK	1	1	11.56	11.54	11.37	13.0	0.0	
Channel									
				669500	669000	664500	Tune-up limit		MPR
Frequency (MHz)				3712.34	3640	3647.1	(dBm)		(dB)
25	QPSK	1	1	11.55	11.52	11.46	13.0	0.0	
Channel									
				667334	669000	664668	Tune-up limit		MPR
Frequency (MHz)				3710.01	3640	3670.02	(dBm)		(dB)
20	QPSK	1	1	11.58	11.54	11.38	13.0	0.0	
Channel									
				667168	669000	664834	Tune-up limit		MPR
Frequency (MHz)				3707.52	3640	3672.51	(dBm)		(dB)
15	QPSK	1	1	11.48	11.58	11.39	13.0	0.0	
Channel									
				670000	670000	665000	Tune-up limit		MPR
Frequency (MHz)				3705	3640	3675	(dBm)		(dB)
10	QPSK	1	1	11.55	11.50	11.43	13.0	0.0	

Part27Q n77 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)									
100	PV2 BPSK	1	1	11.57	633334				
100	PV2 BPSK	1	137	11.50			13.0	0.0	
100	PV2 BPSK	1	271	11.56					
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	11.46					
100	PV2 BPSK	270	0	11.44			13.0	0.0	
Channel									
Frequency (MHz)									
100	QPSK	1	1	11.70					
100	QPSK	1	137	11.52			13.0	0.0	
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	135	138	11.25			13.0	0.0	
100	QPSK	270	0	11.40					
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	11.55	633334	633966	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	11.58	3500.01	3505.00	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
70	QPSK	1	1	11.58	3500.01	3515.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	11.63	3500.01	3518.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	11.57	3500.01	3530.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	11.66	3500.01	3535.01	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	11.57	3500.01	3538.02	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	11.57	3500.01	3543.04	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	11.58	3500.01	3547.05	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	QPSK	1	1	11.66	3500.01	3549.06	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
10	QPSK	1	1	11.62	3500.01	3545.01	Tune-up limit (dBm)	MPR (dB)	

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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	3530.01		
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	662534	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	662668	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	663768	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)				3707.52	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				632668	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	14.89	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	635934	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	636300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	14.95	14.91	14.94	16.5	0.0
Channel				630300	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
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 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		15.01		16.5	0.0	
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				649968	650032	650334	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	14.99	14.92	14.93	16.5	0.0	
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3730.02	3750	3770.01			
60	QPSK	1	1	15.00	14.90	14.98	16.5	0.0	
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	14.93	14.93	14.96	16.5	0.0	
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3715.02	3750	3785.01			
30	QPSK	1	1	15.01	14.92	14.98	16.5	0.0	
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3712.5	3750	3787.5			
25	QPSK	1	1	14.99	14.99	14.94	16.5	0.0	
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3710.01	3750	3790.02			
20	QPSK	1	1	15.01	14.98	14.94	16.5	0.0	
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3707.52	3750	3792.51			
15	QPSK	1	1	14.97	14.96	14.95	16.5	0.0	
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	
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 Upper 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		16.5	0.0	
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 (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3490.02	3500.01	3510			
80	QPSK	1	1	14.92	14.98	14.94	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	14.92	14.99	15.02	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	14.96	14.96	14.94	16.5	0.0	
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)	
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	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3470.01	3500.01	3530.01			
40	QPSK	1	1	14.90	14.92	14.96	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	14.92	14.92	14.97	16.5	0.0	
Channel				630534	633334	635934	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.51	3500.01	3537.51			
25	QPSK	1	1	15.02	15.00	14.93	16.5	0.0	
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3460.02	3500.01	3540			
20	QPSK	1	1	14.97	14.99	15.02	16.5	0.0	
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3462.5	3500.01	3542.52			
15	QPSK	1	1	14.97	15.01	15.01	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	14.93	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				3570	3624.99	3679.98	14.7	0.0
Frequency (MHz)				13.12	13.27	13.68		
40	PV2 BPSK	1	1	13.12	13.27	13.68	14.7	0.0
40	PV2 BPSK	1	53	13.13	13.07	13.05		
40	PV2 BPSK	1	104	13.07	13.15	13.01	14.7	0.0
40	PV2 BPSK	50	0	13.17	13.15	13.05		
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		
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		
40	256QAM	1	1	12.96	13.14	13.00	14.7	0.0
Channel				3700.00	3611.06	3655.06		
Frequency (MHz)				3665.02	3624.99	3684.99	14.7	0.0
30	QPSK	1	1	13.18	13.19	13.08		
Channel				637334	641686	646090	Tune-up limit (dBm)	MPR
Frequency (MHz)				3667.52	3624.99	3692.49		
20	QPSK	1	1	13.22	13.27	12.97	14.7	0.0
Channel				637168	641686	646166		
Frequency (MHz)				3657.52	3624.99	3692.49	14.7	0.0
15	QPSK	1	1	13.17	13.21	13.08		
Channel				637000	641686	646332	Tune-up limit (dBm)	MPR
Frequency (MHz)				3655	3624.99	3694.98		
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				650000	650000	650000	14.1	0.0
Frequency (MHz)				12.60	12.70	12.78		
100	PV2 BPSK	1	1	12.66	12.70	12.78	14.1	0.0
100	PV2 BPSK	1	137	12.54	12.65	12.60		
100	PV2 BPSK	1	271	12.60	12.63	12.65	14.1	0.0
100	PV2 BPSK	135	0	12.75	12.77	12.59		
100	PV2 BPSK	135	69	12.56	12.69	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		
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		
100	256QAM	1	1	12.56	12.55	12.40	14.1	0.0
Channel				650500	650000	650504		
Frequency (MHz)				3745.02	3640	3695.01	Tune-up limit (dBm)	MPR
90	QPSK	1	1	12.70	12.78	12.60		
Channel				646334	650000	650668	Tune-up limit (dBm)	MPR
Frequency (MHz)				3740.02	3640	3694.02		
80	QPSK	1	1	12.72	12.74	12.59	14.1	0.0
Channel				646000	650000	650000		
Frequency (MHz)				3735	3640	3645	Tune-up limit (dBm)	MPR
70	QPSK	1	1	12.71	12.71	12.65		
Channel				648668	650000	650334	Tune-up limit (dBm)	MPR
Frequency (MHz)				3730.02	3640	3690.01		
60	QPSK	1	1	12.74	12.75	12.58	14.1	0.0
Channel				645334	650000	650504		
Frequency (MHz)				3725.01	3640	3695.02	Tune-up limit (dBm)	MPR
50	QPSK	1	1	12.68	12.76	12.60		
Channel				644000	650000	650400	Tune-up limit (dBm)	MPR
Frequency (MHz)				3724	3640	3694		
40	QPSK	1	1	12.75	12.78	12.66	14.1	0.0
Channel				647668	650000	650434		
Frequency (MHz)				3715.02	3640	3695.01	Tune-up limit (dBm)	MPR
30	QPSK	1	1	12.77	12.73	12.65		
Channel				647500	650000	650500	Tune-up limit (dBm)	MPR
Frequency (MHz)				3712.5	3640	3697.5		
25	QPSK	1	1	12.68	12.79	12.58	14.1	0.0
Channel				647264	650000	650668		
Frequency (MHz)				3710.01	3640	3697.02	Tune-up limit (dBm)	MPR
20	QPSK	1	1	12.76	12.75	12.57		
Channel				647168	650000	650434	Tune-up limit (dBm)	MPR
Frequency (MHz)				3707.52	3640	3692.51		
15	QPSK	1	1	12.74	12.80	12.62	14.1	0.0
Channel				647000	650000	650500		
Frequency (MHz)				3705	3640	3695	Tune-up limit (dBm)	MPR
10	QPSK	1	1	12.74	12.76	12.62		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Media Ch. / Freq.	Power High Ch. / Freq.	Tuneup limit (dbm)	MPR (db)
Channel					630334			
Frequency (MHz)					3500.01			
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			14.1	0.0
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				
100	QPSK	135	138	12.17			14.1	0.0
100	QPSK	270	0	12.20			14.1	0.0
100	16QAM	1	1	12.23			14.1	0.0
100	64QAM	1	1	12.25			14.1	0.0
100	256QAM	1	1	12.32			14.1	0.0
Channel				633000	633334	633668	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.33	12.37	12.30	14.1	0.0
Channel				630668	633334	634000	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3490.01	3500.01	3510.01		
80	QPSK	1	1	12.30	12.31	12.28	14.1	0.0
Channel				632334	633334	634334	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.28	12.29	12.31	14.1	0.0
Channel				632000	633334	634668	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3480	3500.01	3505.02		
60	QPSK	1	1	12.28	12.27	12.35	14.1	0.0
Channel				631668	633334	635000	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.27	12.25	12.35	14.1	0.0
Channel				631334	633334	635334	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3470.01	3500.01	3520.01		
40	QPSK	1	1	12.31	12.30	12.30	14.1	0.0
Channel				631000	633334	635668	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.31	12.31	12.29	14.1	0.0
Channel				630834	633334	635834	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3460.51	3500.01	3537.51		
25	QPSK	1	1	12.26	12.34	12.25	14.1	0.0
Channel				630668	633334	636000	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.29	12.28	12.26	14.1	0.0
Channel				630500	633334	636168	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	12.30	12.28	12.28	14.1	0.0
Channel				630334	633334	636334	Tuneup limit (dbm)	MPR (db)
Frequency (MHz)				3455.01	3500.01	3545.01		
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	137		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				648968	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				648334	650000	650668	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				648000	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				648068	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	651668	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	652668	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)				3707.62	3750	3792.37		
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	137		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)				3462.3	3500.01	3542.37		
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				509200	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				506200	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				502200	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	

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	99.82		
		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	13.00	10.00	16.67	18.00	15.00	10.00	16.67	18.00	15.00	18.00	12.00	17.00	14.00	17.00	14.00	17.50	15.00	18.00	14.50	19.00	20.00	14.50	14.50			
		6	2437	16.58	18.00	18.00	13.00	10.00	16.58	18.00	15.00	10.00	16.58	18.00	15.00	18.00	12.00	17.00	14.00	17.00	14.00	17.50	15.00	18.00	14.50	19.00	20.00	14.50	14.50			
	802.11g Mbps	1	2412	20.27	22.00	18.00	13.00	10.00	20.27	20.50	15.00	10.00	18.62	20.00	15.00	18.00	12.00	17.00	14.00	17.00	14.00	17.50	15.00	18.00	14.50	19.00	21.50	13.03	14.50	87.20		
		6	2437	20.27	22.00	18.00	13.00	10.00	20.27	20.50	15.00	10.00	18.62	20.00	15.00	18.00	12.00	17.00	14.00	17.00	14.00	17.50	15.00	18.00	14.50	19.00	21.50	13.03	14.50			
		11	2412	18.62	20.00	Not Required	18.50	13.00	10.00	17.50	18.00	15.00	10.00	17.50	18.00	15.00	18.00	12.00	17.00	14.00	17.00	14.00	17.50	15.00	18.00	14.50	19.00	21.50	13.03		14.50	
		6	2437	18.62	20.00	Not Required	18.50	13.00	10.00	17.50	18.00	15.00	10.00	17.50	18.00	15.00	18.00	12.00	17.00	14.00	17.00	14.00	17.50	15.00	18.00	14.50	19.00	21.50	13.03		14.50	
	802.11n-HT20 MCS0	1	2412	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	97.01	
		6	2437	20.07	21.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50	18.50	13.00	10.00	16.00	17.50		
		11	2412	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50		
		6	2437	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50	18.50	13.00	10.00	17.19	18.50		
	802.11n-HT40 MCS0	1	2412	16.80	18.50	16.80	18.50	13.00	Not Required	13.00	Not Required	13.00	Not Required	15.00	Not Required	16.00	Not Required	12.00	Not Required	17.00	Not Required	14.00	Not Required	17.50	Not Required	18.50	Not Required	19.00	Not Required	14.50	14.50	94.12
		6	2437	17.41	19.00	17.27	18.50	13.00	Not Required	13.00	Not Required	13.00	Not Required	15.00	Not Required	16.00	Not Required	12.00	Not Required	17.00	Not Required	14.00	Not Required	17.50	Not Required	18.50	Not Required	19.00	Not Required	14.50	14.50	
		11	2412	17.50	19.00	17.12	18.50	13.00	Not Required	13.00	Not Required	13.00	Not Required	15.00	Not Required	16.00	Not Required	12.00	Not Required	17.00	Not Required	14.00	Not Required	17.50	Not Required	18.50	Not Required	19.00	Not Required	14.50	14.50	
		6	2437	17.50	19.00	17.12	18.50	13.00	Not Required	13.00	Not Required	13.00	Not Required	15.00	Not Required	16.00	Not Required	12.00	Not Required	17.00	Not Required	14.00	Not Required	17.50	Not Required	18.50	Not Required	19.00	Not Required	14.50	14.50	
	802.11ac-HE20 MCS0	1	2412	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	89.63
		6	2437	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	13.00	10.00	16.31	18.00	18.00	
		11	2412	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	
		6	2437	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	13.00	10.00	17.29	19.00	18.50	
	802.11ac-HE40 MCS0	1	2412	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	92.98
		6	2437	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	13.00	10.00	17.68	19.00	18.50	
		11	2412	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	
		6	2437	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	13.00	10.00	18.62	20.00	18.50	

Mode	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 %
	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	
802.11a EMbps	36	5180	16.94	18.50	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	97.20	
	44	5220	17.60	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	96.30	
	36	5180	17.42	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	94.20	
	44	5220	17.52	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	97.04	
802.11n-HT20 MCS0	36	5180	16.94	18.50	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	94.20	
	48	5220	17.63	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	97.04	
	52	5240	17.63	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	94.20	
	48	5220	17.62	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	97.04	
802.11ac-VHT20 MCS0	36	5180	16.94	18.50	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	94.20	
	48	5220	17.63	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	97.04	
	52	5240	17.63	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	94.20	
	48	5220	17.62	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	97.04	
802.11ac-VHT40 MCS0	36	5180	13.00	14.50	14.50	11.00	14.50	8.50	13.00	10.00	10.00	14.50	14.50	14.50	11.00	15.00	14.50	14.50	11.00	15.00	14.50	14.50	11.00	15.00	94.20
	48	5220	13.02	15.00	15.00	11.00	15.00	8.50	13.00	10.00	10.00	15.00	15.00	15.00	11.00	15.50	15.00	15.00	11.00	15.50	15.00	15.00	11.00	15.50	97.04
	52	5240	13.00	14.50	14.50	11.00	14.50	8.50	13.00	10.00	10.00	14.50	14.50	14.50	11.00	15.00	14.50	14.50	11.00	15.00	14.50	14.50	11.00	15.00	94.20
	48	5220	13.02	15.00	15.00	11.00	15.00	8.50	13.00	10.00	10.00	15.00	15.00	15.00	11.00	15.50	15.00	15.00	11.00	15.50	15.00	15.00	11.00	15.50	97.04
802.11ac-VHT80 MCS0	42	5210	9.55	11.00	11.00	9.55	11.00	8.89	8.50	11.00	8.77	10.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	9.55	11.00	86.49	
	36	5180	17.40	19.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	18.50	14.50	17.50	11.00	19.00	14.50	17.50	11.00	19.00	14.50	17.50	11.00	96.23	
	48	5220	18.23	20.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	19.00	15.00	18.00	11.00	20.00	15.00	18.00	11.00	20.00	15.00	18.00	11.00	20.00	96.23
	36	5180	19.37	20.00	15.00	11.00	15.00	8.50	13.00	10.00	10.00	19.00	15.00	18.00	11.00	20.00	15.00	18.00	11.00	20.00	15.00	18.00	11.00	20.00	92.98
802.11ac-HE40 MCS0	48	5220	19.37	21.00	17.00	11.00	15.50	8.50	13.00	10.00	10.00	19.00	15.00	18.00	11.00	20.00	15.00	18.00	11.00	20.00	15.00	18.00	11.00	20.00	87.98
	42	5210	9.62	11.00	11.00	11.00	11.00	8.50	13.00	10.00	10.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	11.00	9.62	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	Average power (dBm)	Time-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11 Mbps	1	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
		6	2437	22.91	24.50	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
		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	Not Required	21.00	16.00	16.00	13.00	19.18	21.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
	802.11g Mbps	2	2417	21.02	21.00	Not Required	21.00	16.00	16.00	13.00	21.02	23.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		6	2437	22.91	24.50	Not Required	21.50	16.00	16.00	13.00	22.91	23.50	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		11	2462	21.35	23.00	Not Required	21.50	16.00	16.00	13.00	21.35	22.80	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		1	2412	18.64	20.30	Not Required	20.30	16.00	16.00	13.00	18.64	20.30	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
	802.11n-HT20 MCS0	2	2417	19.91	21.50	Not Required	21.50	16.00	16.00	13.00	19.91	21.50	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		6	2437	22.81	24.50	Not Required	21.50	16.00	16.00	13.00	22.81	23.50	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		11	2462	20.04	21.00	Not Required	21.00	16.00	16.00	13.00	21.00	21.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		3	2422	19.44	21.00	Not Required	21.00	16.00	16.00	13.00	19.44	21.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
	802.11n-HT40 MCS0	6	2437	20.17	22.00	Not Required	21.50	16.00	16.00	13.00	20.17	22.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		1	2412	18.87	20.50	Not Required	20.50	16.00	16.00	13.00	18.87	20.50	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		3	2422	19.04	21.00	Not Required	21.00	16.00	16.00	13.00	19.04	21.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		6	2437	22.83	24.50	Not Required	21.50	16.00	16.00	13.00	22.83	23.50	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
	802.11n-HE40 MCS0	11	2462	20.22	22.00	Not Required	21.50	16.00	16.00	13.00	21.00	21.80	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		3	2422	19.12	21.00	Not Required	21.00	16.00	16.00	13.00	19.12	21.00	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
		6	2437	20.29	22.00	Not Required	21.50	16.00	16.00	13.00	21.00	21.80	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	20.50	21.00	21.00	17.50	
9	2432	20.52	22.00	Not Required	21.50	16.00	16.00	13.00	21.00	21.80	16.00	16.00	21.00	15.00	15.00	20.00	17.00	20.00	17.00	20.00	17.00	20.00	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	Average power (dBm)	Time-Up Limit	Duty Cycle %		
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.09	22.00	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	21.80	17.50	20.50	14.50	14.50	20.50	14.50	97.20		
		44	5220	20.83	22.50	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	97.20		
		36	5180	20.47	22.00	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.30		
		48	5240	20.75	22.50	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.30		
	802.11n-HT20 MCS0	44	5220	20.75	22.50	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.30		
		48	5240	20.75	22.50	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.30		
		36	5180	16.24	18.00	Not Required	18.24	17.80	14.50	16.24	17.80	17.80	11.50	14.49	16.00	13.00	16.24	18.00	15.89	17.50	16.24	18.00	15.89	94.20	
		44	5220	22.16	24.00	Not Required	20.00	14.50	16.97	18.00	14.80	16.00	13.00	20.01	22.00	16.31	22.00	19.33	20.50	14.50	14.50	20.50	14.50	94.20	
	802.11ac-VHT20 MCS0	36	5180	20.38	22.00	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	97.04		
		44	5220	20.67	22.50	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	97.04		
		48	5240	20.66	22.50	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	97.04		
		36	5180	16.15	17.50	Not Required	17.50	14.50	16.00	17.50	14.50	16.00	11.50	16.00	13.00	17.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	94.20	
	802.11ac-VHT40 MCS0	44	5220	22.28	24.00	Not Required	20.00	14.50	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	14.50	94.20	
		48	5240	22.28	24.00	Not Required	20.00	14.50	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	14.50	94.20	
		36	5180	12.80	14.50	Not Required	14.30	12.80	14.50	14.30	10.00	11.50	14.30	11.67	13.00	13.00	14.30	14.30	12.80	14.30	14.30	14.30	12.80	14.30	86.49
		44	5220	21.47	23.00	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.23		
	802.11ac-HE20 MCS0	44	5240	21.36	23.00	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.23		
		48	5240	21.36	23.00	Not Required	20.00	14.50	16.00	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	96.23		
		36	5180	12.80	14.50	Not Required	14.50	12.80	14.50	14.50	10.00	11.50	14.30	11.67	13.00	13.00	14.30	14.30	12.80	14.30	14.30	14.30	12.80	14.30	87.88
		44	5220	22.58	24.00	Not Required	20.00	14.50	18.00	18.00	11.50	16.00	13.00	13.00	22.00	17.50	20.50	14.50	14.50	20.50	14.50	14.50	14.50	96.23	

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		