



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				678	66000			
100	PI2 BPSK	1	1	18.02				
100	PI2 BPSK	1	137	17.81			19.0	0.0
100	PI2 BPSK	1	271	17.85				
100	PI2 BPSK	135	0	17.78			19.0	0.0
100	PI2 BPSK	135	69	17.91				
100	PI2 BPSK	135	138	17.84			19.0	0.0
100	PI2 BPSK	270	0	17.79				
100	QPSK	1	1	18.07				
100	QPSK	1	137	17.86			19.0	0.0
100	QPSK	1	271	17.84				
100	QPSK	135	0	17.91			19.0	0.0
100	QPSK	135	69	18.02				
100	QPSK	135	138	17.85			19.0	0.0
100	QPSK	270	0	17.89				
100	BQAM	1	1	17.86			19.0	0.0
100	BQAM	1	1	18.02			19.0	0.0
100	BQAM	1	1	17.92			19.0	0.0
Channel				64868	65000	65332	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	17.82	17.83	17.81	19.0	0.0
Channel				64832	65000	65068	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	17.82	18.01	17.85	19.0	0.0
Channel				64800	65000	65000	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.83	17.86	17.83	19.0	0.0
Channel				64816	65000	65016	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	17.82	17.85	17.84	19.0	0.0
Channel				64832	65000	65032	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	17.81	18.01	17.81	19.0	0.0
Channel				64800	65000	65000	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.82	17.83	17.82	19.0	0.0
Channel				64816	65000	65016	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3750	3764.98		
30	QPSK	1	1	17.84	17.83	17.80	19.0	0.0
Channel				64832	65000	65032	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.80	17.82	17.81	19.0	0.0
Channel				64832	65000	65068	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3710.51	3750	3789.50		
20	QPSK	1	1	17.77	17.82	17.81	19.0	0.0
Channel				64816	65000	65032	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	17.77	17.82	17.82	19.0	0.0
Channel				64700	65000	65000	Tune-up Unit (dB)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.84	18.02	17.80	19.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				66600	66600	66600		
100	RUZ BPSK	1	1	16.02	16.02	16.02		
100	RUZ BPSK	1	137	15.99	15.99	15.99	17.0	0.0
100	RUZ BPSK	1	271	15.95	15.95	15.95	17.0	0.0
100	RUZ BPSK	135	0	15.77	15.77	15.77	17.0	0.0
100	RUZ BPSK	135	69	15.88	15.88	15.88	17.0	0.0
100	RUZ BPSK	135	138	15.73	15.73	15.73	17.0	0.0
100	RUZ BPSK	270	0	15.72	15.72	15.72	17.0	0.0
100	QPSK	1	1	16.00	16.00	16.00		
100	QPSK	1	137	16.04	16.04	16.04	17.0	0.0
100	QPSK	1	271	15.99	15.99	15.99	17.0	0.0
100	QPSK	135	0	15.98	15.98	15.98	17.0	0.0
100	QPSK	135	69	15.94	15.94	15.94	17.0	0.0
100	QPSK	135	138	15.84	15.84	15.84	17.0	0.0
100	QPSK	270	0	15.87	15.87	15.87	17.0	0.0
100	BQAM	1	1	16.00	16.00	16.00	17.0	0.0
100	BQAM	1	1	16.01	16.01	16.01	17.0	0.0
100	BQAM	1	1	16.04	16.04	16.04	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3745.02	3750	3764.98		
30	QPSK	1	1	15.76	16.03	15.82	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3740.01	3750	3760.99		
80	QPSK	1	1	15.77	16.01	15.74	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	15.85	15.98	15.81	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3730.02	3750	3760.98		
60	QPSK	1	1	15.79	15.99	15.83	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	15.75	16.01	15.82	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.83	15.97	15.83	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3715.02	3750	3764.98		
30	QPSK	1	1	15.88	15.95	15.76	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	15.84	16.04	15.74	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3710.51	3750	3789.50		
20	QPSK	1	1	15.73	15.97	15.77	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	15.78	15.88	15.84	17.0	0.0
Channel								
Frequency (MHz)				66600	66600	66600		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.01	16.01	16.00	17.0	0.0



Part27Q_n78_Ant 8

BW (MHz)	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	3493.98	3493.98	3493.98	18.0	0.0
100	PI2 BPSK	1	137	17.06				
100	PI2 BPSK	1	271	17.00			18.0	0.0
100	PI2 BPSK	135	0	16.94			18.0	0.0
100	PI2 BPSK	135	69	16.99			18.0	0.0
100	PI2 BPSK	135	138	16.83			18.0	0.0
100	PI2 BPSK	270	0	16.79			18.0	0.0
100	QPSK	1	1	17.24				
100	QPSK	1	137	17.18			18.0	0.0
100	QPSK	1	271	17.14				
100	QPSK	135	0	17.03			18.0	0.0
100	QPSK	135	69	17.09			18.0	0.0
100	QPSK	135	138	16.97			18.0	0.0
100	QPSK	270	0	16.94			18.0	0.0
100	16QAM	1	1	17.17			18.0	0.0
100	64QAM	1	1	17.19			18.0	0.0
100	256QAM	1	1	17.16			18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.97	17.18	16.95	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.81	17.09	17.00	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.88	17.11	16.96	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.91	17.19	16.97	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.97	17.13	16.97	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.96	17.17	17.03	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.94	17.19	16.96	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.98	17.09	16.94	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.92	17.15	17.02	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.94	17.12	17.03	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.92	17.16	16.97	18.0	0.0

Part27Q_n78(HPUe)_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.95	19.95	19.95	21.0	0.0
100	PI2 BPSK	1	137	19.83			21.0	0.0
100	PI2 BPSK	1	271	19.92			21.0	0.0
100	PI2 BPSK	135	0	19.88			21.0	0.0
100	PI2 BPSK	135	69	19.96			21.0	0.0
100	PI2 BPSK	135	138	19.84			21.0	0.0
100	PI2 BPSK	270	0	19.85			21.0	0.0
100	QPSK	1	1	20.31				
100	QPSK	1	137	19.96			21.0	0.0
100	QPSK	1	271	20.05				
100	QPSK	135	0	19.98			21.0	0.0
100	QPSK	135	69	20.05			21.0	0.0
100	QPSK	135	138	19.96			21.0	0.0
100	QPSK	270	0	19.91			21.0	0.0
100	16QAM	1	1	20.23			21.0	0.0
100	64QAM	1	1	20.01			21.0	0.0
100	256QAM	1	1	20.04			21.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.82	20.05	19.84	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.80	20.00	19.81	21.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.84	20.02	19.81	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.85	19.97	19.84	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.83	20.03	19.80	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.83	19.98	19.87	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.87	20.03	19.80	21.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.86	19.97	19.80	21.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.87	19.98	19.87	21.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.89	20.02	19.83	21.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.82	20.02	19.86	21.0	0.0

Part27O_n78_Ant 8

BW (MHz)	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	17.30	17.30	17.30	18.0	0.0
100	PI2 BPSK	1	137	17.11			18.0	0.0
100	PI2 BPSK	1	271	17.24			18.0	0.0
100	PI2 BPSK	135	0	16.96			18.0	0.0
100	PI2 BPSK	135	69	17.08			18.0	0.0
100	PI2 BPSK	135	138	17.01			18.0	0.0
100	PI2 BPSK	270	0	16.99			18.0	0.0
100	QPSK	1	1	17.35				
100	QPSK	1	137	17.24			18.0	0.0
100	QPSK	1	271	17.30				
100	QPSK	135	0	17.10			18.0	0.0
100	QPSK	135	69	17.23			18.0	0.0
100	QPSK	135	138	17.16			18.0	0.0
100	QPSK	270	0	17.11			18.0	0.0
100	16QAM	1	1	17.28			18.0	0.0
100	64QAM	1	1	17.22			18.0	0.0
100	256QAM	1	1	17.28			18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.15	17.27	17.07	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.17	17.24	17.12	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.10	17.29	17.14	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.19	17.30	17.14	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.12	17.30	17.07	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.17	17.23	17.09	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.17	17.23	17.07	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.21	17.22	17.07	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.20	17.25	17.13	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.15	17.26	17.15	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.14	17.26	17.15	18.0	0.0



Part270_n78(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000					
Frequency (MHz)				20.14					
100	PI2 BPSK	1	1	20.14			21.0	0.0	
100	PI2 BPSK	1	137	20.05			21.0	0.0	
100	PI2 BPSK	1	271	20.04			21.0	0.0	
100	PI2 BPSK	135	0	19.97			21.0	0.0	
100	PI2 BPSK	135	69	19.92			21.0	0.0	
100	PI2 BPSK	135	138	19.89			21.0	0.0	
100	PI2 BPSK	270	0	19.79			21.0	0.0	
100	QPSK	1	1	20.13			21.0	0.0	
100	QPSK	1	137	20.10			21.0	0.0	
100	QPSK	1	271	20.09			21.0	0.0	
100	QPSK	135	0	19.94			21.0	0.0	
100	QPSK	135	69	19.90			21.0	0.0	
100	QPSK	135	138	19.82			21.0	0.0	
100	QPSK	270	0	19.81			21.0	0.0	
100	16QAM	1	1	20.07			21.0	0.0	
100	64QAM	1	1	20.04			21.0	0.0	
100	256QAM	1	1	20.05			21.0	0.0	
Channel				58888	58900	59232			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	19.83	20.13	20.00	21.0	0.0	
Channel				47823	47830	48080			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	19.85	20.10	20.04	21.0	0.0	
Channel				47868	47870	48100			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	19.86	20.07	20.02	21.0	0.0	
Channel				47878	47880	48130			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	19.87	20.05	19.94	21.0	0.0	
Channel				47873	47880	48145			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	19.84	20.04	19.99	21.0	0.0	
Channel				47890	47890	48200			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	19.84	20.13	19.97	21.0	0.0	
Channel				47876	47880	48230			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	19.91	20.10	20.03	21.0	0.0	
Channel				47870	47880	48250			
Frequency (MHz)				3712.8	3750	3787.5			
25	QPSK	1	1	19.89	20.11	19.96	21.0	0.0	
Channel				47874	47880	48260			
Frequency (MHz)				3710.01	3750	3789.99			
20	QPSK	1	1	19.89	20.04	19.93	21.0	0.0	
Channel				47876	47880	48280			
Frequency (MHz)				3707.92	3750	3792.48			
15	QPSK	1	1	19.91	20.11	19.97	21.0	0.0	
Channel				47870	47880	48300			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	19.90	20.14	20.04	21.0	0.0	



n2_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	21.09	21.21	21.20				
40	PI2 BPSK	1	108	21.10	21.15	21.21	22.5	0.0		
40	PI2 BPSK	1	214	21.08	21.24	21.13				
40	PI2 BPSK	108	0	21.09	21.23	21.10	22.5	0.0		
40	PI2 BPSK	108	84	21.06	21.13	21.19				
40	PI2 BPSK	108	108	21.16	21.18	21.10	22.5	0.0		
40	PI2 BPSK	216	0	21.10	21.11	21.09				
40	QPSK	1	1	21.25	21.28	21.22				
40	QPSK	1	108	21.06	21.22	21.14	22.5	0.0		
40	QPSK	1	214	21.18	21.23	21.18				
40	QPSK	108	0	21.08	21.21	21.07	22.5	0.0		
40	QPSK	108	84	21.13	21.24	21.09	22.5	0.0		
40	QPSK	108	108	21.10	21.21	21.03	22.5	0.0		
40	QPSK	216	0	21.07	21.16	21.14				
40	16QAM	1	1	21.14	21.16	21.12	22.5	0.0		
40	64QAM	1	1	20.98	20.22	20.10	21.5	1.0		
40	256QAM	1	1	18.17	18.27	18.24	19.5	3.0		
Channel										
Frequency (MHz)										
35	QPSK	1	1	37.500	37.600	37.600	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.65	18.80	18.95	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
25	QPSK	1	1	21.08	21.21	21.07	22.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	37.200	37.600	38.000	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.95	18.90	19.05	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.16	21.14	21.11	22.5	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	18.55	18.80	19.07.5	Tune-up limit (dBm)	MPR (dB)		

n5_Ant 0										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	22.86	22.89	22.86				
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0	0.0		
20	PI2 BPSK	1	104	22.76	22.79	22.70				
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5	0.5		
20	PI2 BPSK	50	28	22.78	22.80	22.81	24.0	0.0		
20	PI2 BPSK	50	56	22.28	22.40	22.26				
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5	0.5		
20	QPSK	1	1	22.97	22.90	22.91				
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0		
20	QPSK	1	104	22.80	22.87	22.80				
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0		
20	QPSK	50	28	22.83	22.87	22.95	24.0	0.0		
20	QPSK	50	56	21.99	22.02	22.01				
20	QPSK	100	0	21.84	21.96	21.88	23.0	1.0		
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0		
20	64QAM	1	1	20.46	20.50	20.37	21.5	2.5		
20	256QAM	1	1	18.82	18.89	18.48	19.5	4.5		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.75	18.75	18.75	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0		

n5_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	PI2 BPSK	1	1	8.54	8.56.5	8.50				
20	PI2 BPSK	1	53	22.68	22.77	22.63	24.0	0.0		
20	PI2 BPSK	1	104	22.60	22.74	22.59				
20	PI2 BPSK	50	0	22.62	22.70	22.65	23.5	0.5		
20	PI2 BPSK	50	28	22.76	22.76	22.81	24.0	0.0		
20	PI2 BPSK	50	56	22.15	22.28	22.19				
20	PI2 BPSK	100	0	22.20	22.25	22.34	23.5	0.5		
20	QPSK	1	1	22.75	22.80	22.72				
20	QPSK	1	53	22.60	22.73	22.61	24.0	0.0		
20	QPSK	1	104	22.73	22.75	22.63				
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0		
20	QPSK	50	28	22.82	22.77	22.87	24.0	0.0		
20	QPSK	50	56	21.82	21.86	21.85				
20	QPSK	100	0	21.75	21.80	21.76	23.0	1.0		
20	16QAM	1	1	21.87	21.86	21.86	23.0	1.0		
20	64QAM	1	1	20.35	20.38	20.25	21.5	2.5		
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.70	22.73	22.70	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0		
Channel										
Frequency (MHz)										
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0		



n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	507000	510000			
Frequency (MHz)				2500	2535	2560			
40	PI2 BPSK	1	1	18.28	18.31	18.38			
40	PI2 BPSK	1	108	18.29	18.31	18.26	19.5	0.0	
40	PI2 BPSK	1	214	18.33	18.30	18.30			
40	PI2 BPSK	108	0	18.31	18.31	18.32	19.5	0.0	
40	PI2 BPSK	108	54	18.31	18.35	18.39			
40	PI2 BPSK	108	108	18.25	18.42	18.29			
40	PI2 BPSK	216	0	18.29	18.30	18.26	19.5	0.0	
40	QPSK	1	1	18.38	18.45	18.40			
40	QPSK	1	108	18.33	18.40	18.28	19.5	0.0	
40	QPSK	1	214	18.32	18.39	18.30			
40	QPSK	108	0	18.27	18.38	18.34	19.5	0.0	
40	QPSK	108	54	18.35	18.42	18.38			
40	QPSK	108	108	18.30	18.35	18.28			
40	QPSK	216	0	18.30	18.40	18.26	19.5	0.0	
40	16QAM	1	1	18.34	18.35	18.39	19.5	0.0	
40	16QAM	1	1	18.28	18.37	18.32	19.5	0.0	
40	256QAM	1	1	18.29	18.34	18.20	19.5	0.0	
Channel				503000	507000	510000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	18.28	18.42	18.27	19.5	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.32	18.37	18.29	19.5	0.0	
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	18.33	18.30	18.37	19.5	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.38	18.44	18.35	19.5	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.25	18.42	18.28	19.5	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.25	18.34	18.27	19.5	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.35	18.32	18.34	19.5	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				143000	141500	143700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.82	23.05	22.91			
15	PI2 BPSK	1	40	23.01	23.08	22.99	24.0	0.0	
15	PI2 BPSK	1	77	22.90	23.01	22.97			
15	PI2 BPSK	36	0	22.49	22.98	22.96	23.5	0.5	
15	PI2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	PI2 BPSK	36	43	22.49	22.80	22.45			
15	PI2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.80	23.02	22.90	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.96	21.83			
15	16QAM	1	1	21.94	22.08	21.99	23.0	1.0	
15	16QAM	1	1	20.80	20.72	20.84	21.5	2.5	
15	256QAM	1	1	18.84	18.55	18.54	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.98	22.96	22.82	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.96	23.02	22.89	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				143000	141500	143700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.72	22.85	22.79			
15	PI2 BPSK	1	40	22.68	22.80	22.74	24.0	0.0	
15	PI2 BPSK	1	77	22.73	22.78	22.69			
15	PI2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	PI2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	PI2 BPSK	36	43	22.33	22.48	22.36			
15	PI2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.88	22.81	22.75			
15	QPSK	36	0	21.85	21.88	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.88	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.76			
15	16QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	16QAM	1	1	20.28	20.39	20.31	21.5	2.5	
15	256QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	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									
Frequency (MHz)									
158000									
10	PlZ BPSK	1	1	23.30					
10	PlZ BPSK	1	26	23.22			24.0	0.0	
10	PlZ BPSK	1	50	23.26			23.5	0.5	
10	PlZ BPSK	25	0	22.75			24.0	0.0	
10	PlZ BPSK	25	14	23.25			24.0	0.0	
10	PlZ BPSK	25	27	22.77			23.5	0.5	
10	PlZ BPSK	50	0	22.72			24.0	0.0	
10	QPSK	1	1	23.37			24.0	0.0	
10	QPSK	1	26	23.30			24.0	0.0	
10	QPSK	1	50	23.33			24.0	0.0	
10	QPSK	25	0	22.05			23.0	1.0	
10	QPSK	25	14	23.26			24.0	0.0	
10	QPSK	25	27	22.10			23.0	1.0	
10	QPSK	50	0	22.02			23.0	1.0	
10	16QAM	1	1	22.39			23.0	1.0	
10	16QAM	1	1	20.88			21.5	2.5	
10	256QAM	1	1	18.90			19.5	4.5	
Channel									
Frequency (MHz)									
158100 158600 159100									
5	QPSK	1	1	23.32	23.29	23.25	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									
Frequency (MHz)									
158000									
10	PlZ BPSK	1	1	23.00					
10	PlZ BPSK	1	26	23.02			24.0	0.0	
10	PlZ BPSK	1	50	22.96			23.5	0.5	
10	PlZ BPSK	25	0	22.58			24.0	0.0	
10	PlZ BPSK	25	14	22.99			24.0	0.0	
10	PlZ BPSK	25	27	22.50			23.5	0.5	
10	PlZ BPSK	50	0	22.54			24.0	0.0	
10	QPSK	1	1	23.07			24.0	0.0	
10	QPSK	1	26	23.03			24.0	0.0	
10	QPSK	1	50	23.00			24.0	0.0	
10	QPSK	25	0	22.10			23.0	1.0	
10	QPSK	25	14	22.95			24.0	0.0	
10	QPSK	25	27	22.02			23.0	1.0	
10	QPSK	50	0	22.07			23.0	1.0	
10	16QAM	1	1	22.00			23.0	1.0	
10	16QAM	1	1	20.44			21.5	2.5	
10	256QAM	1	1	18.50			19.5	4.5	
Channel									
Frequency (MHz)									
158100 158600 159100									
5	QPSK	1	1	22.90	22.95	22.85	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									
Frequency (MHz)									
1870 1882.5 1895									
40	PlZ BPSK	1	1	22.34	22.43	22.28			
40	PlZ BPSK	1	108	22.34	22.36	22.33	23.0	0.0	
40	PlZ BPSK	1	214	22.42	22.45	22.34	23.0	0.0	
40	PlZ BPSK	108	0	22.32	22.41	22.38	23.0	0.0	
40	PlZ BPSK	108	54	22.42	22.36	22.36	23.0	0.0	
40	PlZ BPSK	108	108	22.33	22.37	22.37	23.0	0.0	
40	PlZ BPSK	216	0	22.30	22.43	22.28	23.0	0.0	
40	QPSK	1	1	22.44	22.48	22.42	23.0	0.0	
40	QPSK	1	108	22.37	22.44	22.33	23.0	0.0	
40	QPSK	1	214	22.41	22.43	22.35	23.0	0.0	
40	QPSK	108	0	22.32	22.34	22.37	23.0	0.0	
40	QPSK	108	54	22.35	22.44	22.35	23.0	0.0	
40	QPSK	108	108	22.34	22.42	22.37	23.0	0.0	
40	QPSK	216	0	22.40	22.45	22.43	23.0	0.0	
40	16QAM	1	1	22.32	22.47	22.41	23.0	0.0	
40	16QAM	1	1	20.88	21.00	20.88	21.5	1.5	
40	256QAM	1	1	18.88	18.92	18.79	19.5	3.5	
Channel									
Frequency (MHz)									
375000 376500 378000									
35	QPSK	1	1	22.30	22.45	22.37	23.0	0.0	
Channel									
Frequency (MHz)									
1865 1882.5 1900									
30	QPSK	1	1	22.34	22.35	22.30	23.0	0.0	
Channel									
Frequency (MHz)									
376500 378000 380000									
25	QPSK	1	1	22.42	22.38	22.33	23.0	0.0	
Channel									
Frequency (MHz)									
1890 1892.5 1905									
20	QPSK	1	1	22.43	22.36	22.32	23.0	0.0	
Channel									
Frequency (MHz)									
371500 376500 381500									
15	QPSK	1	1	22.40	22.48	22.39	23.0	0.0	
Channel									
Frequency (MHz)									
1895 1882.5 1910									
10	QPSK	1	1	22.41	22.43	22.29	23.0	0.0	
Channel									
Frequency (MHz)									
1892.5 1892.5 1912.5									
5	QPSK	1	1	22.43	22.41	22.28	23.0	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								
Frequency (MHz)				374000	376000	378000		
Frequency (MHz)				1870	1882.5	1895		
40	Pi2 BPSK	1	1	21.32	21.32	21.28		
40	Pi2 BPSK	1	108	21.34	21.33	21.20	22.0	0.0
40	Pi2 BPSK	1	214	21.22	21.39	21.20		
40	Pi2 BPSK	108	0	21.32	21.37	21.32	22.0	0.0
40	Pi2 BPSK	108	54	21.25	21.34	21.20	22.0	0.0
40	Pi2 BPSK	108	108	21.30	21.30	21.30	22.0	0.0
40	Pi2 BPSK	216	0	21.20	21.30	21.19		
40	QPSK	1	1	21.35	21.41	21.35		
40	QPSK	1	108	21.24	21.32	21.25	22.0	0.0
40	QPSK	1	214	21.28	21.34	21.27		
40	QPSK	108	0	21.29	21.32	21.29	22.0	0.0
40	QPSK	108	54	21.36	21.40	21.35	22.0	0.0
40	QPSK	108	108	21.26	21.30	21.31	22.0	0.0
40	QPSK	216	0	21.23	21.35	21.28		
40	16QAM	1	1	21.29	21.32	21.22	22.0	0.0
40	16QAM	1	1	20.88	20.90	20.77	21.5	0.5
40	256QAM	1	1	18.82	18.88	18.74	19.5	2.5
Channel								
Frequency (MHz)				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.28	21.33	21.25	22.0	0.0
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.29	21.40	21.20	22.0	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.20	21.38	21.23	22.0	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.28	21.40	21.27	22.0	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.22	21.37	21.26	22.0	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.30	21.36	21.26	22.0	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.25	21.31	21.23	22.0	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)				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pi2 BPSK	1	1	19.64	19.58	19.60		
40	Pi2 BPSK	1	108	19.61	19.65	19.67	20.5	0.0
40	Pi2 BPSK	1	214	19.56	19.61	19.60		
40	Pi2 BPSK	108	0	19.62	19.67	19.69	20.5	0.0
40	Pi2 BPSK	108	54	19.65	19.66	19.67	20.5	0.0
40	Pi2 BPSK	108	108	19.64	19.66	19.64		
40	Pi2 BPSK	216	0	19.56	19.65	19.66	20.5	0.0
40	QPSK	1	1	19.67	19.72	19.70		
40	QPSK	1	108	19.65	19.69	19.59	20.5	0.0
40	QPSK	1	214	19.57	19.71	19.67		
40	QPSK	108	0	19.60	19.62	19.61	20.5	0.0
40	QPSK	108	54	19.62	19.70	19.64	20.5	0.0
40	QPSK	108	108	19.58	19.66	19.60	20.5	0.0
40	QPSK	216	0	19.53	19.68	19.60		
40	16QAM	1	1	19.63	19.63	19.60	20.5	0.0
40	16QAM	1	1	19.59	19.57	19.59	20.5	0.0
40	256QAM	1	1	18.68	18.70	18.59	19.5	1.0
Channel								
Frequency (MHz)				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	19.66	19.66	19.69	20.5	0.0
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	19.55	19.66	19.58	20.5	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	19.53	19.67	19.67	20.5	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	19.64	19.65	19.65	20.5	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	19.65	19.69	19.60	20.5	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	19.55	19.70	19.66	20.5	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	19.62	19.69	19.64	20.5	0.0

n25_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895		
40	Pi2 BPSK	1	1	21.41	21.40	21.26		
40	Pi2 BPSK	1	108	21.36	21.46	21.33	22.5	0.0
40	Pi2 BPSK	1	214	21.36	21.44	21.28		
40	Pi2 BPSK	108	0	21.35	21.39	21.29	22.5	0.0
40	Pi2 BPSK	108	54	21.35	21.45	21.32	22.5	0.0
40	Pi2 BPSK	108	108	21.38	21.41	21.32		
40	Pi2 BPSK	216	0	21.36	21.37	21.29	22.5	0.0
40	QPSK	1	1	21.42	21.47	21.40		
40	QPSK	1	108	21.32	21.36	21.28	22.5	0.0
40	QPSK	1	214	21.37	21.40	21.29		
40	QPSK	108	0	21.35	21.39	21.36	22.5	0.0
40	QPSK	108	54	21.40	21.46	21.37	22.5	0.0
40	QPSK	108	108	21.39	21.32	21.33	22.5	0.0
40	QPSK	216	0	21.37	21.45	21.29		
40	16QAM	1	1	21.39	21.36	21.26	22.5	0.0
40	16QAM	1	1	20.44	20.45	20.43	21.5	1.0
40	256QAM	1	1	18.50	18.56	18.45	19.5	3.0
Channel								
Frequency (MHz)				373500	376500	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1882.5	1897.5		
35	QPSK	1	1	21.30	21.39	21.25	22.5	0.0
Channel								
Frequency (MHz)				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1882.5	1900		
30	QPSK	1	1	21.29	21.45	21.27	22.5	0.0
Channel								
Frequency (MHz)				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1882.5	1902.5		
25	QPSK	1	1	21.30	21.33	21.32	22.5	0.0
Channel								
Frequency (MHz)				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	1	21.34	21.34	21.27	22.5	0.0
Channel								
Frequency (MHz)				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	1	21.40	21.44	21.39	22.5	0.0
Channel								
Frequency (MHz)				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	1	21.40	21.43	21.38	22.5	0.0
Channel								
Frequency (MHz)				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	1	21.35	21.34	21.26	22.5	0.0



n26(FCC)_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				166000	166300	166600				
Frequency (MHz)				834	831.5	839				
20	PlZ BPSK	1	1	22.88	22.93	23.02				
20	PlZ BPSK	1	53	22.84	22.76	22.90	24.0	0.0		
20	PlZ BPSK	1	104	22.83	22.93	22.96				
20	PlZ BPSK	50	0	22.44	22.43	22.47	23.5	0.5		
20	PlZ BPSK	50	28	22.99	22.85	23.06	24.0	0.0		
20	PlZ BPSK	50	56	22.39	22.45	22.52				
20	PlZ BPSK	100	0	22.40	22.47	22.50	23.5	0.5		
20	QPSK	1	1	23.03	23.01	23.05				
20	QPSK	1	53	23.01	22.95	23.04	24.0	0.0		
20	QPSK	1	104	22.97	22.93	23.00				
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0		
20	QPSK	50	28	22.91	22.98	22.96	24.0	0.0		
20	QPSK	50	56	22.07	21.96	22.10				
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0		
20	16QAM	1	1	21.86	21.95	22.00	23.0	1.0		
20	16QAM	1	1	20.99	20.46	20.60	21.5	2.5		
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5		
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	831.5	831.5				
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0		
Channel				166800	166800	166800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				839	831.5	844				
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0		
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				836.5	831.5	846.5				
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0		

n26(ISED)_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	PlZ BPSK	1	1	22.96	22.89	23.02				
20	PlZ BPSK	1	53	22.78	22.75	22.90	24.0	0.0		
20	PlZ BPSK	1	104	22.91	22.95	22.96				
20	PlZ BPSK	50	0	22.34	22.36	22.47	23.5	0.5		
20	PlZ BPSK	50	28	22.89	22.94	23.00	24.0	0.0		
20	PlZ BPSK	50	56	22.39	22.50	22.52				
20	PlZ BPSK	100	0	22.40	22.35	22.50	23.5	0.5		
20	QPSK	1	1	22.97	23.01	23.05				
20	QPSK	1	53	22.93	22.94	23.04	24.0	0.0		
20	QPSK	1	104	22.92	22.96	23.00				
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0		
20	QPSK	50	28	22.95	23.01	22.96	24.0	0.0		
20	QPSK	50	56	22.02	21.95	22.10				
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0		
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0		
20	16QAM	1	1	20.99	20.99	20.80	21.5	2.5		
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5		
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				836.5	836.5	836.5				
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0		
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				829	836.5	844				
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0		
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				836.5	836.5	846.5				
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0		

n26(FCC)_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				166500	166300	166300				
Frequency (MHz)				834	831.5	839				
20	PlZ BPSK	1	1	22.76	22.79	22.87				
20	PlZ BPSK	1	53	22.81	22.80	22.85	24.0	0.0		
20	PlZ BPSK	1	104	22.74	22.77	22.79				
20	PlZ BPSK	50	0	22.50	22.47	22.52	23.5	0.5		
20	PlZ BPSK	50	28	22.77	22.70	22.80	24.0	0.0		
20	PlZ BPSK	50	56	22.38	22.32	22.42				
20	PlZ BPSK	100	0	22.33	22.37	22.44	23.5	0.5		
20	QPSK	1	1	22.97	22.97	22.85				
20	QPSK	1	53	22.75	22.70	22.80	24.0	0.0		
20	QPSK	1	104	22.84	22.84	22.77				
20	QPSK	50	0	21.77	21.76	21.90	23.0	1.0		
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0		
20	QPSK	50	56	21.85	21.91	21.95				
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0		
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0		
20	16QAM	1	1	20.29	20.26	20.35	21.5	2.5		
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5		
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	831.5	831.5				
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0		
Channel				166800	166300	166800	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				839	831.5	844				
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0		
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				831.5	831.5	846.5				
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0		



n26(ISED)_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				166000	167000	168000			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.86	24.0	0.0	
20	Pl2 BPSK	1	104	22.75	22.74	22.76			
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42			
20	Pl2 BPSK	100	0	22.33	22.32	22.44	23.5	0.5	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.91	21.78	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.78	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95			
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	16QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				168800	167900	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	836.5	844			
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				169300	167900	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.42					
10	Pl2 BPSK	1	26	23.38			24.0	0.0	
10	Pl2 BPSK	1	50	23.47					
10	Pl2 BPSK	25	0	23.01			23.5	0.5	
10	Pl2 BPSK	25	14	23.48			24.0	0.0	
10	Pl2 BPSK	25	27	23.05			23.5	0.5	
10	Pl2 BPSK	50	0	23.03					
10	QPSK	1	1	23.50					
10	QPSK	1	26	23.45			24.0	0.0	
10	QPSK	1	50	23.47					
10	QPSK	25	0	22.46			23.0	1.0	
10	QPSK	25	14	23.43			24.0	0.0	
10	QPSK	25	27	22.49					
10	QPSK	50	0	22.45			23.0	1.0	
10	16QAM	1	1	22.48			23.0	1.0	
10	16QAM	1	1	20.96			21.5	2.5	
10	256QAM	1	1	19.00			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5			
5	QPSK	1	1	23.45	23.49	23.41	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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	22.35					
10	Pl2 BPSK	1	26	22.33			23.0	0.0	
10	Pl2 BPSK	1	50	22.40					
10	Pl2 BPSK	25	0	22.36			23.0	0.0	
10	Pl2 BPSK	25	14	22.39			23.0	0.0	
10	Pl2 BPSK	25	27	22.41			23.0	0.0	
10	Pl2 BPSK	50	0	22.37					
10	QPSK	1	1	22.48					
10	QPSK	1	26	22.45			23.0	0.0	
10	QPSK	1	50	22.38					
10	QPSK	25	0	22.41			23.0	0.0	
10	QPSK	25	14	22.47			23.0	0.0	
10	QPSK	25	27	22.44					
10	QPSK	50	0	22.42			23.0	0.0	
10	16QAM	1	1	22.40			23.0	0.0	
10	16QAM	1	1	20.88			21.5	1.5	
10	256QAM	1	1	18.97			19.5	3.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5			
5	QPSK	1	1	22.44	22.47	22.41	23.0	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					
Frequency (MHz)				2310					
10	PlZ BPSK	1	1	22.60			23.5	0.0	
10	PlZ BPSK	1	26	22.61					
10	PlZ BPSK	1	50	22.54			23.5	0.0	
10	PlZ BPSK	25	0	22.63			23.5	0.0	
10	PlZ BPSK	25	14	22.65			23.5	0.0	
10	PlZ BPSK	25	27	22.62			23.5	0.0	
10	PlZ BPSK	50	0	22.66			23.5	0.0	
10	QPSK	1	1	22.66			23.5	0.0	
10	QPSK	1	26	22.57					
10	QPSK	1	50	22.59			23.0	0.5	
10	QPSK	25	0	22.22			23.5	0.0	
10	QPSK	25	14	22.53			23.5	0.0	
10	QPSK	25	27	22.18			23.0	0.5	
10	QPSK	50	0	22.15			23.0	0.5	
10	16QAM	1	1	22.00			21.5	2.0	
10	16QAM	1	1	20.55			19.5	4.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2297.5	2310	2322.5	23.5	0.0	
5	QPSK	1	1	22.61	22.54	22.60			

n30_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	PlZ BPSK	1	1	20.97			22.0	0.0	
10	PlZ BPSK	1	26	20.91					
10	PlZ BPSK	1	50	20.90			22.0	0.0	
10	PlZ BPSK	25	0	21.02			22.0	0.0	
10	PlZ BPSK	25	14	21.00			22.0	0.0	
10	PlZ BPSK	25	27	20.98			22.0	0.0	
10	PlZ BPSK	50	0	20.90			22.0	0.0	
10	QPSK	1	1	21.06			22.0	0.0	
10	QPSK	1	26	20.93					
10	QPSK	1	50	20.91			22.0	0.0	
10	QPSK	25	0	20.97			22.0	0.0	
10	QPSK	25	14	21.00			22.0	0.0	
10	QPSK	25	27	20.96			22.0	0.0	
10	QPSK	50	0	20.98			22.0	0.0	
10	16QAM	1	1	21.02			22.0	0.0	
10	16QAM	1	1	20.22			21.5	0.5	
10	16QAM	1	1	18.20			19.5	2.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2297.5	2310	2322.5	22.0	0.0	
5	QPSK	1	1	20.92	20.97	20.95			

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				345000					
Frequency (MHz)				1725					
40	PlZ BPSK	1	1	22.79	22.90	22.88	24.0	0.0	
40	PlZ BPSK	1	108	22.77	22.85	22.76			
40	PlZ BPSK	1	214	22.77	22.88	22.93	24.0	0.0	
40	PlZ BPSK	108	0	22.68	22.79	22.66	24.0	0.0	
40	PlZ BPSK	108	54	22.62	22.77	22.70	24.0	0.0	
40	PlZ BPSK	108	108	22.72	22.85	22.83	24.0	0.0	
40	PlZ BPSK	216	0	22.74	22.83	22.80	24.0	0.0	
40	QPSK	1	1	22.94	23.00	22.95	24.0	0.0	
40	QPSK	1	108	22.90	22.97	22.85			
40	QPSK	1	214	22.85	22.91	22.78	24.0	0.0	
40	QPSK	108	0	22.71	22.84	22.82	24.0	0.0	
40	QPSK	108	54	22.81	22.90	22.85	24.0	0.0	
40	QPSK	108	108	22.75	22.88	22.87	24.0	0.0	
40	QPSK	216	0	22.88	22.92	22.80	24.0	0.0	
40	16QAM	1	1	22.86	22.96	22.96	24.0	0.0	
40	16QAM	1	1	21.43	21.45	21.30	22.5	1.5	
40	16QAM	1	1	19.27	19.42	19.28	20.5	3.5	
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	22.82	22.91	22.88	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	22.79	22.88	22.92	24.0	0.0	
Channel				345000	350000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5	24.0	0.0	
25	QPSK	1	1	22.82	22.91	22.85	24.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770	24.0	0.0	
20	QPSK	1	1	22.87	22.91	22.91	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	22.91	22.89	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775	24.0	0.0	
10	QPSK	1	1	22.83	22.88	22.91	24.0	0.0	
Channel				343000	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5	24.0	0.0	
5	QPSK	1	1	22.85	22.90	22.88	24.0	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								
Frequency (MHz)				345000	349000	353000		
40	PI2 BPSK	1	1	19.95	19.95	19.90		
40	PI2 BPSK	1	108	19.92	20.07	19.92	21.0	0.0
40	PI2 BPSK	1	214	19.90	20.07	20.01		
40	PI2 BPSK	108	0	19.99	20.05	19.90	21.0	0.0
40	PI2 BPSK	108	54	19.98	19.99	19.91		
40	PI2 BPSK	108	108	19.95	19.95	19.87	21.0	0.0
40	PI2 BPSK	216	0	19.94	19.97	19.95		
40	QPSK	1	1	20.00	20.08	20.02		
40	QPSK	1	108	19.93	19.99	19.91	21.0	0.0
40	QPSK	1	214	19.98	19.96	20.00		
40	QPSK	108	0	19.90	20.01	19.91	21.0	0.0
40	QPSK	108	54	19.93	20.05	19.98	21.0	0.0
40	QPSK	108	108	19.92	20.03	19.95		
40	QPSK	216	0	19.97	20.01	19.98	21.0	0.0
40	16QAM	1	1	19.97	19.96	20.00	21.0	0.0
40	16QAM	1	1	19.94	19.96	19.90	21.0	0.0
40	256QAM	1	1	19.97	19.45	19.31	20.5	0.5
Channel								
Frequency (MHz)				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	1722.5	1745	1722.5	21.0	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	19.87	20.00	19.87	21.0	0.0
Channel								
Frequency (MHz)				345000	349000	350500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	1722.5	1745	1767.5	21.0	0.0
Channel								
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	19.90	20.05	19.91	21.0	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	1717.5	1745	1722.5	21.0	0.0
Channel								
Frequency (MHz)				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	19.88	20.05	19.89	21.0	0.0
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.87	20.04	19.94	21.0	0.0
Channel								
Frequency (MHz)				342500	349000	353500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	1717.5	1745	1777.5	21.0	0.0
Channel								
Frequency (MHz)				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	19.87	20.01	19.92	21.0	0.0

n66_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	21.29	21.31	21.24		
40	PI2 BPSK	1	108	21.29	21.29	21.26	22.0	0.0
40	PI2 BPSK	1	214	21.25	21.37	21.18		
40	PI2 BPSK	108	0	21.17	21.37	21.28	22.0	0.0
40	PI2 BPSK	108	54	21.18	21.36	21.30		
40	PI2 BPSK	108	108	21.21	21.36	21.20	22.0	0.0
40	PI2 BPSK	216	0	21.26	21.25	21.19		
40	QPSK	1	1	21.31	21.38	21.33		
40	QPSK	1	108	21.22	21.34	21.24	22.0	0.0
40	QPSK	1	214	21.16	21.36	21.32		
40	QPSK	108	0	21.23	21.24	21.22	22.0	0.0
40	QPSK	108	54	21.30	21.31	21.28	22.0	0.0
40	QPSK	108	108	21.29	21.29	21.27		
40	QPSK	216	0	21.26	21.37	21.32	22.0	0.0
40	16QAM	1	1	21.16	21.30	21.27	22.0	0.0
40	16QAM	1	1	20.75	20.85	20.79	21.5	0.5
40	256QAM	1	1	18.89	18.80	18.69	19.5	2.5
Channel								
Frequency (MHz)				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	1722.5	1745	1722.5	21.0	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.20	21.27	21.19	22.0	0.0
Channel								
Frequency (MHz)				345000	349000	350500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.17	21.36	21.28	22.0	0.0
Channel								
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.28	21.28	21.29	22.0	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	1717.5	1745	1722.5	21.0	0.0
Channel								
Frequency (MHz)				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.29	21.27	21.31	22.0	0.0
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.22	21.33	21.28	22.0	0.0
Channel								
Frequency (MHz)				342500	349000	353500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	21.22	21.28	21.29	22.0	0.0

n66_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				1730	1745	1760		
40	PI2 BPSK	1	1	22.93	22.95	22.92		
40	PI2 BPSK	1	108	22.89	23.00	22.90	24.0	0.0
40	PI2 BPSK	1	214	22.90	22.91	22.84		
40	PI2 BPSK	108	0	22.51	22.97	22.96	23.5	0.5
40	PI2 BPSK	108	54	22.90	22.94	22.87	24.0	0.0
40	PI2 BPSK	108	108	22.96	22.81	22.48	23.5	0.5
40	PI2 BPSK	216	0	22.93	22.48	22.98		
40	QPSK	1	1	22.97	23.02	22.90		
40	QPSK	1	108	22.87	23.00	22.85	24.0	0.0
40	QPSK	1	214	22.94	22.97	22.84		
40	QPSK	108	0	22.86	22.99	22.85	23.0	1.0
40	QPSK	108	54	22.95	22.95	22.97	24.0	0.0
40	QPSK	108	108	22.09	22.10	21.97		
40	QPSK	216	0	22.01	22.05	21.97	23.0	1.0
40	16QAM	1	1	21.91	21.96	21.91	23.0	1.0
40	16QAM	1	1	20.40	20.55	20.42	21.5	2.5
40	256QAM	1	1	18.44	18.59	18.49	19.5	4.5
Channel								
Frequency (MHz)				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	1722.5	1745	1722.5	21.0	0.0
Channel								
Frequency (MHz)				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.99	22.91	22.80	24.0	0.0
Channel								
Frequency (MHz)				345000	349000	350500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	22.86	22.94	22.76	24.0	0.0
Channel								
Frequency (MHz)				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.90	22.91	22.85	24.0	0.0
Channel								
Frequency (MHz)				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	1717.5	1745	1722.5	21.0	0.0
Channel								
Frequency (MHz)				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.97	22.83	22.76	24.0	0.0
Channel								
Frequency (MHz)				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.83	22.94	22.79	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									
Frequency (MHz)									
15	Pl2 BPSK	1	1	1702.5	1702.5				
15	Pl2 BPSK	1	40	23.68	23.63		24.0	0.0	
15	Pl2 BPSK	1	77	23.60	23.60		23.5	0.5	
15	Pl2 BPSK	36	0	23.19	23.82		24.0	0.0	
15	Pl2 BPSK	36	22	23.82	23.19		23.5	0.5	
15	Pl2 BPSK	36	43	23.10	23.15		24.0	0.0	
15	Pl2 BPSK	75	0	23.15	23.70		23.5	0.5	
15	QPSK	1	1	23.70	23.62		24.0	0.0	
15	QPSK	1	40	23.62	23.65		24.0	0.0	
15	QPSK	1	77	23.65	23.60		23.0	1.0	
15	QPSK	36	0	22.80	23.06		24.0	0.0	
15	QPSK	36	22	23.06	22.70		23.0	1.0	
15	QPSK	36	43	22.70	22.87		23.0	1.0	
15	QPSK	75	0	22.87	22.59		23.0	1.0	
15	16QAM	1	1	22.59	21.20		21.5	2.5	
15	16QAM	1	1	21.20	19.20		19.5	4.5	
Channel									
				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	24.0	0.0	
Channel									
				339500	340000	340500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	23.52	23.52	23.55	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									
Frequency (MHz)									
15	Pl2 BPSK	1	1	1702.5	1702.5				
15	Pl2 BPSK	1	40	22.95	22.88		24.0	0.0	
15	Pl2 BPSK	1	77	22.90	22.90		23.5	0.5	
15	Pl2 BPSK	36	0	22.45	22.45		24.0	0.0	
15	Pl2 BPSK	36	22	22.42	22.42		23.5	0.5	
15	Pl2 BPSK	36	43	22.42	22.50		24.0	0.0	
15	Pl2 BPSK	75	0	22.50	23.00		23.5	0.5	
15	QPSK	1	1	23.00	22.90		24.0	0.0	
15	QPSK	1	40	22.90	22.84		24.0	0.0	
15	QPSK	1	77	22.84	22.86		23.0	1.0	
15	QPSK	36	0	22.06	22.92		24.0	0.0	
15	QPSK	36	22	22.92	22.02		23.0	1.0	
15	QPSK	36	43	22.02	22.06		23.0	1.0	
15	QPSK	75	0	22.06	20.55		21.5	2.5	
15	16QAM	1	1	20.55	18.60		18.5	4.5	
Channel									
				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	24.0	0.0	
Channel									
				339500	340000	340500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	22.87	22.91	22.77	24.0	0.0	

n70_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	1702.5	1702.5				
15	Pl2 BPSK	1	40	21.29	21.26		22.0	0.0	
15	Pl2 BPSK	1	77	21.37	21.37		22.0	0.0	
15	Pl2 BPSK	36	0	21.29	21.29		22.0	0.0	
15	Pl2 BPSK	36	22	21.30	21.30		22.0	0.0	
15	Pl2 BPSK	36	43	21.31	21.31		22.0	0.0	
15	Pl2 BPSK	75	0	21.29	21.29		22.0	0.0	
15	QPSK	1	1	21.40	21.40		22.0	0.0	
15	QPSK	1	40	21.36	21.36		22.0	0.0	
15	QPSK	1	77	21.27	21.32		22.0	0.0	
15	QPSK	36	0	21.32	21.32		22.0	0.0	
15	QPSK	36	22	21.34	21.28		22.0	0.0	
15	QPSK	36	43	21.28	21.28		22.0	0.0	
15	QPSK	75	0	21.33	21.28		22.0	0.0	
15	16QAM	1	1	21.28	21.00		21.5	0.5	
15	16QAM	1	1	21.00	19.00		19.5	2.5	
Channel									
				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	22.0	0.0	
Channel									
				339500	340000	340500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
5	QPSK	1	1	21.31	21.31	21.32	22.0	0.0	



n70_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340000					
Frequency (MHz)				1702.5					
15	Plz BPSK	1	1		21.81				
15	Plz BPSK	1	40		21.75		22.5	0.0	
15	Plz BPSK	1	77		21.78		22.5	0.0	
15	Plz BPSK	38	0		21.72		22.5	0.0	
15	Plz BPSK	38	22		21.77		22.5	0.0	
15	Plz BPSK	38	43		21.81		22.5	0.0	
15	Plz BPSK	75	0		21.80		22.5	0.0	
15	QPSK	1	1		21.82				
15	QPSK	1	40		21.71		22.5	0.0	
15	QPSK	1	77		21.68		22.5	0.0	
15	QPSK	38	0		21.69		22.5	0.0	
15	QPSK	38	22		21.75		22.5	0.0	
15	QPSK	38	43		21.67		22.5	0.0	
15	QPSK	75	0		21.78		22.5	0.0	
15	16QAM	1	1		21.69		22.5	0.0	
15	16QAM	1	1		20.90		21.5	1.0	
15	256QAM	1	1		18.85		19.5	3.0	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1		21.70	21.78	21.75	22.5	0.0
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1		21.79	21.80	21.72	22.5	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				136000					
Frequency (MHz)				673					
20	Plz BPSK	1	1		23.03	23.03	23.07		
20	Plz BPSK	1	53		22.91	23.04	23.01	24.0	0.0
20	Plz BPSK	1	104		23.06	23.02	23.02	24.0	0.0
20	Plz BPSK	50	0		22.72	22.60	22.69	23.5	0.5
20	Plz BPSK	50	28		23.06	23.03	23.04	24.0	0.0
20	Plz BPSK	50	56		22.68	22.61	22.63	23.5	0.5
20	Plz BPSK	100	0		22.62	22.55	22.55	24.0	0.0
20	QPSK	1	1		23.07	23.14	23.10		
20	QPSK	1	53		23.05	23.04	22.96	24.0	0.0
20	QPSK	1	104		23.03	23.12	22.88	24.0	0.0
20	QPSK	50	0		22.08	22.15	22.09	23.0	1.0
20	QPSK	50	28		22.97	23.10	23.07	24.0	0.0
20	QPSK	50	56		22.14	22.11	22.13	23.0	1.0
20	QPSK	100	0		22.03	22.05	22.03	23.0	1.0
20	16QAM	1	1		22.03	22.15	22.02	23.0	1.0
20	16QAM	1	1		20.57	20.68	20.61	21.5	2.5
20	256QAM	1	1		18.83	18.68	18.55	19.5	4.5
Channel				136100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	680.5	687.5			
15	QPSK	1	1		23.01	23.06	23.01	24.0	0.0
Channel				136000	136100	136000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1		22.08	23.06	22.96	24.0	0.0
Channel				135100	135100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	696.5			
5	QPSK	1	1		22.96	23.03	22.99	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				136000					
Frequency (MHz)				673					
20	Plz BPSK	1	1		22.72	22.82	22.79		
20	Plz BPSK	1	53		22.69	22.75	22.74	24.0	0.0
20	Plz BPSK	1	104		22.69	22.80	22.65	24.0	0.0
20	Plz BPSK	50	0		22.34	22.44	22.36	23.5	0.5
20	Plz BPSK	50	28		22.79	22.80	22.78	24.0	0.0
20	Plz BPSK	50	56		22.36	22.39	22.35	23.5	0.5
20	Plz BPSK	100	0		22.32	22.33	22.34	24.0	0.0
20	QPSK	1	1		22.77	22.85	22.75		
20	QPSK	1	53		22.68	22.77	22.68	24.0	0.0
20	QPSK	1	104		22.69	22.83	22.69	24.0	0.0
20	QPSK	50	0		21.79	21.89	21.84	23.0	1.0
20	QPSK	50	28		22.72	22.80	22.71	24.0	0.0
20	QPSK	50	56		21.87	21.90	21.83	23.0	1.0
20	QPSK	100	0		21.73	21.82	21.67	23.0	1.0
20	16QAM	1	1		21.83	21.86	21.76	23.0	1.0
20	16QAM	1	1		20.37	20.39	20.33	21.5	2.5
20	256QAM	1	1		18.30	18.40	18.32	19.5	4.5
Channel				136100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	680.5	687.5			
15	QPSK	1	1		22.97	22.75	22.68	24.0	0.0
Channel				136000	136100	136000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1		22.08	22.74	22.63	24.0	0.0
Channel				135100	135100	135100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	696.5			
5	QPSK	1	1		22.66	22.78	22.63	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									
Frequency (MHz)									
40	Pl2 BPSK	1	1	22.94	23.05	22.99			
40	Pl2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pl2 BPSK	1	104	22.80	22.82	22.79			
40	Pl2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pl2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pl2 BPSK	50	56	22.68	22.75	22.80			
40	Pl2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.96	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	16QAM	1	1	20.95	20.96	20.91	20.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.03	22.03	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.83	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.01	22.94	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									
Frequency (MHz)									
40	Pl2 BPSK	1	1	22.50	22.46	22.54			
40	Pl2 BPSK	1	53	22.49	22.47	22.43	23.5	0.0	
40	Pl2 BPSK	1	104	22.54	22.55	22.47			
40	Pl2 BPSK	50	0	22.44	22.56	22.54	23.5	0.0	
40	Pl2 BPSK	50	28	22.52	22.45	22.54	23.5	0.0	
40	Pl2 BPSK	50	56	22.40	22.47	22.52			
40	Pl2 BPSK	100	0	22.53	22.46	22.52	23.5	0.0	
40	QPSK	1	1	22.52	22.50	22.55			
40	QPSK	1	53	22.44	22.53	22.53	23.5	0.0	
40	QPSK	1	104	22.46	22.56	22.44			
40	QPSK	50	0	22.43	22.45	22.38	23.5	0.0	
40	QPSK	50	28	22.38	22.45	22.46	23.5	0.0	
40	QPSK	50	56	22.36	22.40	22.38			
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.0	
40	16QAM	1	1	22.36	22.38	22.29	23.5	0.0	
40	16QAM	1	1	20.76	20.90	20.75	20.0	1.5	
40	256QAM	1	1	18.84	18.85	18.83	20.0	3.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.53	22.49	22.54	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.49	22.58	22.54	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.59	22.53	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.50	22.45	22.51	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.45	22.50	22.46	23.5	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pl2 BPSK	1	1	19.06	19.15	19.06			
40	Pl2 BPSK	1	53	19.07	19.15	19.08	20.0	0.0	
40	Pl2 BPSK	1	104	19.00	19.12	19.07			
40	Pl2 BPSK	50	0	19.10	19.09	19.03	20.0	0.0	
40	Pl2 BPSK	50	28	19.00	19.07	19.12	20.0	0.0	
40	Pl2 BPSK	50	56	19.05	19.12	19.05			
40	Pl2 BPSK	100	0	19.08	19.19	19.01	20.0	0.0	
40	QPSK	1	1	19.11	19.20	19.15			
40	QPSK	1	53	19.04	19.15	19.05	20.0	0.0	
40	QPSK	1	104	19.11	19.17	19.07			
40	QPSK	50	0	19.02	19.13	19.11	20.0	0.0	
40	QPSK	50	28	19.12	19.16	19.12	20.0	0.0	
40	QPSK	50	56	19.10	19.07	19.08			
40	QPSK	100	0	19.09	19.08	19.00	20.0	0.0	
40	16QAM	1	1	19.02	19.15	19.05	20.0	0.0	
40	16QAM	1	1	19.05	19.12	19.14	20.0	0.0	
40	256QAM	1	1	18.94	18.96	18.87	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.09	19.15	19.13	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.03	19.05	19.08	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.08	19.18	19.12	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.09	19.10	19.00	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.10	19.11	19.10	20.0	0.0	



n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	19.70	19.70	19.64			
40	PI2 BPSK	1	53	19.71	19.65	19.74	21.0	0.0	
40	PI2 BPSK	1	104	19.71	19.78	19.75			
40	PI2 BPSK	50	0	19.61	19.77	19.66	21.0	0.0	
40	PI2 BPSK	50	28	19.61	19.67	19.62	21.0	0.0	
40	PI2 BPSK	50	56	19.71	19.68	19.68			
40	PI2 BPSK	100	0	19.71	19.65	19.74	21.0	0.0	
40	QPSK	1	1	19.75	19.80	19.77			
40	QPSK	1	63	19.69	19.65	19.67	21.0	0.0	
40	QPSK	1	104	19.64	19.75	19.63			
40	QPSK	50	0	19.72	19.69	19.70	21.0	0.0	
40	QPSK	50	56	19.74	19.70	19.77	21.0	0.0	
40	QPSK	50	56	19.67	19.73	19.71	21.0	0.0	
40	QPSK	100	0	19.63	19.66	19.62	21.0	0.0	
40	16QAM	1	1	19.62	19.75	19.65	21.0	0.0	
40	64QAM	1	1	19.63	19.70	19.69	21.0	0.0	
40	256QAM	1	1	19.03	19.18	19.10	19.5	1.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	25.93	25.95	26.04	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.66	19.75	19.71	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.66	19.71	19.66	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.73	19.73	19.64	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.72	19.65	19.67	21.0	0.0	

FCC_n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.28	23.41	23.30			
100	PI2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0	
100	PI2 BPSK	1	271	23.32	23.34	23.25			
100	PI2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	PI2 BPSK	135	69	23.22	23.30	23.25	24.0	0.0	
100	PI2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0	
100	PI2 BPSK	270	0	23.32	23.40	23.27			
100	QPSK	1	1	23.30	23.45	23.31			
100	QPSK	1	137	23.28	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.18	23.28	23.27	24.0	0.0	
100	QPSK	135	138	23.24	23.30	23.29	24.0	0.0	
100	QPSK	270	0	23.40	23.42	23.28			
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0	
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.85	21.87	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.25	23.27	23.25	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.28	23.38	23.21	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.19	23.27	23.04	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.25	23.30	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0	

**FCC_n41(HPUE)_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)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	26.17	26.30	26.22		
100	P12 BPSK	1	137	25.89	26.02	25.95	27.0	0.0
100	P12 BPSK	1	271	25.79	25.90	25.84		
100	P12 BPSK	135	0	25.51	25.62	25.55	26.5	0.5
100	P12 BPSK	135	69	25.88	26.01	25.95	27.0	0.0
100	P12 BPSK	135	138	25.18	25.33	25.26	26.5	0.5
100	P12 BPSK	270	0	25.37	25.52	25.44		
100	QPSK	1	1	25.62	25.75	25.67		
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0
100	QPSK	1	271	25.82	25.94	25.88		
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0
100	QPSK	135	69	25.36	25.48	25.37	27.0	0.0
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0
100	QPSK	270	0	24.95	25.08	25.00		
100	16QAM	1	1	25.14	25.25	25.18	26.0	1.0
100	64QAM	1	1	23.62	23.72	23.62	24.5	2.5
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.41	24.52	24.44	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.02	25.02	24.99	26.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.02	26.02	25.99	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.03	25.29	25.15	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.08	26.17	26.10	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	22.91	22.99	22.88		
100	P12 BPSK	1	137	22.88	22.91	22.86	23.5	0.0
100	P12 BPSK	1	271	22.90	22.98	22.85		
100	P12 BPSK	135	0	22.93	22.93	22.79	23.5	0.0
100	P12 BPSK	135	69	22.82	22.85	22.88	23.5	0.0
100	P12 BPSK	135	138	22.83	22.92	22.87	23.5	0.0
100	P12 BPSK	270	0	22.84	22.85	22.86		
100	QPSK	1	1	22.86	22.87	22.81		
100	QPSK	1	137	22.83	22.98	22.90	23.5	0.0
100	QPSK	1	271	22.94	22.95	22.88		
100	QPSK	135	0	22.93	22.85	22.80	23.5	0.0
100	QPSK	135	69	22.84	22.85	22.82	23.5	0.0
100	QPSK	135	138	22.81	22.90	22.88	23.5	0.0
100	QPSK	270	0	22.86	22.82	22.88	23.5	0.0
100	16QAM	1	1	22.92	22.90	22.82	23.5	0.0
100	64QAM	1	1	22.90	22.95	22.90	23.5	0.0
100	256QAM	1	1	21.98	22.00	21.90	23.0	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.41	23.52	23.44	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.93	22.99	22.89	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.86	22.87	22.79	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.82	22.93	22.80	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.82	22.85	22.79	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.80	22.94	22.85	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.82	22.92	22.91	23.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.92	22.97	22.93	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.92	22.95	22.87	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.93	22.97	22.87	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.94	22.92	22.82	23.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	25.66	25.61	25.57		
100	P12 BPSK	1	137	25.70	25.64	25.62	26.5	0.0
100	P12 BPSK	1	271	25.59	25.62	25.59		
100	P12 BPSK	135	0	25.63	25.62	25.58	26.5	0.0
100	P12 BPSK	135	69	25.63	25.63	25.61	26.5	0.0
100	P12 BPSK	135	138	25.60	25.72	25.67	26.5	0.0
100	P12 BPSK	270	0	25.66	25.62	25.64		
100	QPSK	1	1	25.72	25.75	25.70		
100	QPSK	1	137	25.57	25.60	25.61	26.5	0.0
100	QPSK	1	271	25.65	25.62	25.58		
100	QPSK	135	0	25.52	25.57	25.46	26.5	0.0
100	QPSK	135	69	25.60	25.74	25.64	26.5	0.0
100	QPSK	135	138	25.57	25.43	25.31	26.5	0.0
100	QPSK	270	0	25.48	25.52	25.43		
100	16QAM	1	1	25.53	25.62	25.52	26.5	0.0
100	64QAM	1	1	24.13	24.21	24.12	25.0	1.5
100	256QAM	1	1	22.20	22.26	22.16	23.0	3.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.41	24.52	24.44	26.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	25.63	25.71	25.55	26.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	25.66	25.73	25.62	26.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	25.57	25.62	25.51	26.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.02	25.02	24.99	26.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	25.63	25.72	25.56	26.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	25.68	25.63	25.63	26.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	25.54	25.63	25.54	26.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	25.57	25.68	25.56	26.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	25.59	25.60	25.57	26.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	25.70	25.60	25.55	26.5	0.0



FCC_n41_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	19.26	19.41	19.27				
100	Pi/2 BPSK	1	137	19.30	19.38	19.37	20.0	0.0		
100	Pi/2 BPSK	1	271	19.32	19.41	19.39				
100	Pi/2 BPSK	135	0	19.23	19.37	19.34	20.0	0.0		
100	Pi/2 BPSK	135	69	19.27	19.32	19.39	20.0	0.0		
100	Pi/2 BPSK	135	138	19.35	19.43	19.33	20.0	0.0		
100	Pi/2 BPSK	270	0	19.28	19.41	19.28				
100	QPSK	1	1	19.36	19.42	19.35	20.0	0.0		
100	QPSK	1	137	19.25	19.31	19.35	20.0	0.0		
100	QPSK	1	271	19.33	19.44	19.33				
100	QPSK	135	0	19.34	19.41	19.32	20.0	0.0		
100	QPSK	135	69	19.36	19.42	19.35	20.0	0.0		
100	QPSK	135	138	19.28	19.35	19.25	20.0	0.0		
100	QPSK	270	0	19.30	19.33	19.31	20.0	0.0		
100	16QAM	1	1	19.28	19.38	19.39	20.0	0.0		
100	64QAM	1	1	19.32	19.33	19.34	20.0	0.0		
100	256QAM	1	1	19.28	19.44	19.39	20.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	19.34	19.32	19.39	20.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	19.30	19.37	19.38	20.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	19.37	19.43	19.39	20.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	19.32	19.38	19.34	20.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.24	19.39	19.35	20.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	19.24	19.39	19.35	20.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	19.24	19.43	19.26	20.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	19.28	19.37	19.29	20.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	19.28	19.37	19.33	20.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	19.25	19.35	19.36	20.0	0.0		

FCC_n41(HPUE) Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	22.16	22.20	22.19				
100	Pi/2 BPSK	1	137	22.08	22.20	22.06	23.0	0.0		
100	Pi/2 BPSK	1	271	22.12	22.20	22.14				
100	Pi/2 BPSK	135	0	22.05	22.14	22.19	23.0	0.0		
100	Pi/2 BPSK	135	69	22.15	22.24	22.10	23.0	0.0		
100	Pi/2 BPSK	135	138	22.17	22.11	22.16				
100	Pi/2 BPSK	270	0	22.05	22.16	22.12	23.0	0.0		
100	QPSK	1	1	22.16	22.25	22.20				
100	QPSK	1	137	22.04	22.22	22.08	23.0	0.0		
100	QPSK	1	271	22.10	22.10	22.18				
100	QPSK	135	0	22.12	22.12	22.12	23.0	0.0		
100	QPSK	135	69	22.16	22.21	22.17	23.0	0.0		
100	QPSK	135	138	22.13	22.16	22.06	23.0	0.0		
100	QPSK	270	0	22.15	22.18	22.12	23.0	0.0		
100	16QAM	1	1	22.11	22.11	22.17	23.0	0.0		
100	64QAM	1	1	22.16	22.14	22.10	23.0	0.0		
100	256QAM	1	1	22.11	22.13	21.95	23.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.05	22.05	22.09	23.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.17	22.11	22.15	23.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.04	22.22	22.17	23.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.02	22.16	22.11	23.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.12	22.12	22.05	23.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.04	22.11	22.15	23.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.05	22.20	22.08	23.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.07	22.24	22.14	23.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.06	22.16	22.13	23.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.16	22.11	22.14	23.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.13	22.18	22.10	23.0	0.0		

FCC_n41_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi/2 BPSK	1	1	19.73	19.82	19.88				
100	Pi/2 BPSK	1	137	19.77	19.91	19.77	21.0	0.0		
100	Pi/2 BPSK	1	271	19.80	19.82	19.83				
100	Pi/2 BPSK	135	0	19.78	19.92	19.77	21.0	0.0		
100	Pi/2 BPSK	135	69	19.75	19.79	19.82	21.0	0.0		
100	Pi/2 BPSK	135	138	19.84	19.79	19.81				
100	Pi/2 BPSK	270	0	19.80	19.88	19.89	21.0	0.0		
100	QPSK	1	1	19.75	19.83	19.85				
100	QPSK	1	137	19.74	19.89	19.79	21.0	0.0		
100	QPSK	1	271	19.84	19.87	19.81				
100	QPSK	135	0	19.80	19.85	19.72	21.0	0.0		
100	QPSK	135	69	19.78	19.81	19.75	21.0	0.0		
100	QPSK	135	138	19.82	19.89	19.75	21.0	0.0		
100	QPSK	270	0	19.71	19.87	19.85	21.0	0.0		
100	16QAM	1	1	19.84	19.81	19.86	21.0	0.0		
100	64QAM	1	1	19.81	19.81	19.79	21.0	0.0		
100	256QAM	1	1	19.80	19.89	19.85	21.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	19.84	19.85	19.81	21.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	19.80	19.91	19.83	21.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	19.73	19.80	19.75	21.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	19.73	19.82	19.83	21.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.75	19.89	19.84	21.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	19.77	19.81	19.83	21.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	19.77	19.86	19.78	21.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	19.75	19.84	19.84	21.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	19.76	19.79	19.84	21.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	19.76	19.82	19.89	21.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	19.74	19.81	19.82	21.0	0.0		



FCC_n41(HPUE)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				505202	518598	528200		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.99	23.11	22.99		
100	PI/2 BPSK	1	137	23.07	23.13	22.98	24.0	0.0
100	PI/2 BPSK	1	271	22.98	23.12	23.04		
100	PI/2 BPSK	135	0	22.99	23.09	23.11	24.0	0.0
100	PI/2 BPSK	135	69	23.07	23.02	22.97	24.0	0.0
100	PI/2 BPSK	135	138	23.02	23.11	23.08		
100	PI/2 BPSK	270	0	23.08	23.06	23.05	24.0	0.0
100	QPSK	1	1	23.11	23.16	23.12		
100	QPSK	1	137	23.07	23.14	22.99	24.0	0.0
100	QPSK	1	271	22.95	23.12	23.06		
100	QPSK	135	0	23.07	23.03	23.06	24.0	0.0
100	QPSK	135	69	23.06	23.14	23.11	24.0	0.0
100	QPSK	135	138	22.99	23.13	23.08		
100	QPSK	270	0	23.09	23.12	23.05	24.0	0.0
100	16QAM	1	1	22.97	23.12	23.07	24.0	0.0
100	64QAM	1	1	22.96	23.05	23.06	24.0	0.0
100	256QAM	1	1	21.24	21.55	21.32	22.5	1.5
Channel								
Frequency (MHz)				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	23.05	23.05	23.04	24.0	0.0
Channel								
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.98		
80	QPSK	1	1	23.08	23.12	23.07	24.0	0.0
Channel								
Frequency (MHz)				505202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.07	23.09	22.97	24.0	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2483	2592.99	2669.98		
60	QPSK	1	1	22.95	23.09	23.09	24.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.98		
50	QPSK	1	1	22.99	23.07	23.04	24.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.04	23.11	23.06	24.0	0.0
Channel								
Frequency (MHz)				502200	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.00	23.08	23.05	24.0	0.0
Channel								
Frequency (MHz)				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.51	2592.99	2677.5		
25	QPSK	1	1	23.10	23.08	23.00	24.0	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	1	23.04	22.11	23.01	24.0	0.0
Channel								
Frequency (MHz)				500700	518598	536500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.04	23.06	22.98	24.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.91	2592.99	2685		
10	QPSK	1	1	23.08	23.10	23.11	24.0	0.0



n48_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)									
40	PB2 BPSK	1	1	19.74	19.80	19.87			
40	PB2 BPSK	1	53	19.74	19.82	19.86	20.5	0.0	
40	PB2 BPSK	1	104	19.71	19.83	19.88			
40	PB2 BPSK	50	0	19.76	19.76	19.79	20.5	0.0	
40	PB2 BPSK	50	28	19.70	19.71	19.65	20.5	0.0	
40	PB2 BPSK	50	56	19.83	19.81	19.70	20.5	0.0	
40	PB2 BPSK	100	0	19.72	19.83	19.77			
40	QPSK	1	1	19.75	19.85	19.80			
40	QPSK	1	53	19.72	19.77	19.79	20.5	0.0	
40	QPSK	1	104	19.66	19.77	19.77			
40	QPSK	50	0	19.74	19.75	19.72	20.5	0.0	
40	QPSK	50	28	19.77	19.83	19.77	20.5	0.0	
40	QPSK	50	56	19.75	19.82	19.69	20.5	0.0	
40	QPSK	100	0	19.65	19.80	19.79			
40	16QAM	1	1	19.67	19.77	19.76	20.5	0.0	
40	64QAM	1	1	19.73	19.77	19.76	20.5	0.0	
40	256QAM	1	1	19.84	19.80	19.88	19.5	1.0	
Channel				637000	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.76	19.84	19.88	20.5	0.0	
Channel				638200	641800	645800			
Frequency (MHz)									
30	QPSK	1	1	19.80	19.84	19.89			
Channel				637400	641400	645400			
Frequency (MHz)									
20	QPSK	1	1	19.74	19.75	19.79	20.5	0.0	
Channel				637800	641800	645800			
Frequency (MHz)									
15	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				637000	641000	645000			
Frequency (MHz)									
10	QPSK	1	1	19.66	19.78	19.77	20.5	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				638000	641666	645332			
Frequency (MHz)									
40	PB2 BPSK	1	1	19.23	19.29	19.23			
40	PB2 BPSK	1	53	19.27	19.20	19.14	20.0	0.0	
40	PB2 BPSK	1	104	19.20	19.23	19.27			
40	PB2 BPSK	50	0	19.19	19.20	19.25	20.0	0.0	
40	PB2 BPSK	50	28	19.24	19.23	19.21	20.0	0.0	
40	PB2 BPSK	50	56	19.20	19.22	19.14	20.0	0.0	
40	PB2 BPSK	100	0	19.27	19.20	19.21			
40	QPSK	1	1	19.23	19.22	19.25			
40	QPSK	1	53	19.13	19.17	19.18	20.0	0.0	
40	QPSK	1	104	19.08	19.24	19.22			
40	QPSK	50	0	19.15	19.18	19.16	20.0	0.0	
40	QPSK	50	28	19.25	19.27	19.25	20.0	0.0	
40	QPSK	50	56	19.09	19.18	19.17	20.0	0.0	
40	QPSK	100	0	19.10	19.22	19.14			
40	16QAM	1	1	19.15	19.22	19.25	20.0	0.0	
40	64QAM	1	1	19.21	19.25	19.19	20.0	0.0	
40	256QAM	1	1	19.06	19.00	19.08	19.5	0.5	
Channel				637000	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.19	19.17	19.19	20.0	0.0	
Channel				638200	641800	645800			
Frequency (MHz)									
30	QPSK	1	1	19.23	19.24	19.20			
Channel				637400	641400	645400			
Frequency (MHz)									
20	QPSK	1	1	19.13	19.29	19.25	20.0	0.0	
Channel				637800	641800	645800			
Frequency (MHz)									
15	QPSK	1	1	19.08	19.24	19.19	20.0	0.0	
Channel				637000	641000	645000			
Frequency (MHz)									
10	QPSK	1	1	19.16	19.21	19.18	20.0	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				638000	641666	645332			
Frequency (MHz)									
40	PB2 BPSK	1	1	17.05	17.23	17.21			
40	PB2 BPSK	1	53	17.05	17.23	17.16	18.0	0.0	
40	PB2 BPSK	1	104	17.02	17.19	17.18			
40	PB2 BPSK	50	0	17.12	17.17	17.07	18.0	0.0	
40	PB2 BPSK	50	28	17.09	17.18	17.20	18.0	0.0	
40	PB2 BPSK	50	56	17.08	17.17	17.12	18.0	0.0	
40	PB2 BPSK	100	0	17.17	17.28	17.15			
40	QPSK	1	1	17.20	17.28	17.22			
40	QPSK	1	53	17.10	17.25	17.11	18.0	0.0	
40	QPSK	1	104	17.09	17.21	17.18			
40	QPSK	50	0	17.10	17.20	17.12	18.0	0.0	
40	QPSK	50	28	17.15	17.25	17.25	18.0	0.0	
40	QPSK	50	56	17.11	17.24	17.15	18.0	0.0	
40	QPSK	100	0	17.08	17.17	17.09			
40	16QAM	1	1	17.09	17.16	17.09	18.0	0.0	
40	64QAM	1	1	17.08	17.27	17.09	18.0	0.0	
40	256QAM	1	1	17.15	17.13	17.17	18.0	0.0	
Channel				637000	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	17.17	17.25	17.17	18.0	0.0	
Channel				638200	641800	645800			
Frequency (MHz)									
30	QPSK	1	1	17.05	17.14	17.21	18.0	0.0	
Channel				637400	641400	645400			
Frequency (MHz)									
20	QPSK	1	1	17.05	17.14	17.21	18.0	0.0	
Channel				637800	641800	645800			
Frequency (MHz)									
15	QPSK	1	1	17.17	17.21	17.15	18.0	0.0	
Channel				637000	641000	645000			
Frequency (MHz)									
10	QPSK	1	1	17.18	17.22	17.15	18.0	0.0	



Part270_n77_Ant 3								
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)								
100	PIQ BPSK	1	1	18.89	18.87	18.82	19.5	0.0
100	PIQ BPSK	1	137	18.82	18.80	18.81	19.5	0.0
100	PIQ BPSK	1	271	18.77	18.76	18.76	19.5	0.0
100	PIQ BPSK	135	0	18.77	18.80	18.80	19.5	0.0
100	PIQ BPSK	135	69	18.77	18.81	18.80	19.5	0.0
100	PIQ BPSK	135	138	18.80	18.81	18.76	19.5	0.0
100	PIQ BPSK	270	0	18.91	18.87	18.79	19.5	0.0
100	QPSK	1	1	18.82	18.82	18.82	19.5	0.0
100	QPSK	1	137	18.87	18.87	18.89	19.5	0.0
100	QPSK	1	271	18.82	18.81	18.80	19.5	0.0
100	QPSK	135	0	18.88	18.83	18.82	19.5	0.0
100	QPSK	135	69	18.87	18.86	18.85	19.5	0.0
100	QPSK	135	138	18.79	18.79	18.81	19.5	0.0
100	QPSK	270	0	18.85	18.88	18.84	19.5	0.0
100	8QAM	1	1	18.91	18.80	18.83	19.5	0.0
100	8QAM	1	1	18.89	18.81	18.85	19.5	0.0
100	256QAM	1	1	18.83	18.89	18.81	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.83	18.87	18.89	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.82	18.83	18.88	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.85	18.87	18.84	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.86	18.95	18.85	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.84	18.90	18.89	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.84	18.99	18.80	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.82	18.96	18.85	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.79	18.99	18.81	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.80	18.79	18.81	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.85	18.98	18.90	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.91	18.93	18.86	19.5	0.0

Part270_n77(HPUE)_Ant 3								
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)								
100	PIQ BPSK	1	1	21.70	21.77	21.70	22.5	0.0
100	PIQ BPSK	1	137	21.83	21.80	21.70	22.5	0.0
100	PIQ BPSK	1	271	21.82	21.75	21.86	22.5	0.0
100	PIQ BPSK	135	0	21.78	21.88	21.79	22.5	0.0
100	PIQ BPSK	135	69	21.75	21.78	21.73	22.5	0.0
100	PIQ BPSK	135	138	21.76	21.77	21.89	22.5	0.0
100	PIQ BPSK	270	0	21.74	21.81	21.82	22.5	0.0
100	QPSK	1	1	21.84	21.89	21.80	22.5	0.0
100	QPSK	1	137	21.83	21.77	21.71	22.5	0.0
100	QPSK	1	271	21.77	21.75	21.72	22.5	0.0
100	QPSK	135	0	21.74	21.79	21.87	22.5	0.0
100	QPSK	135	69	21.82	21.82	21.79	22.5	0.0
100	QPSK	135	138	21.79	21.82	21.75	22.5	0.0
100	QPSK	270	0	21.83	21.85	21.70	22.5	0.0
100	8QAM	1	1	21.74	21.76	21.87	22.5	0.0
100	8QAM	1	1	21.70	21.88	21.77	22.5	0.0
100	256QAM	1	1	21.72	21.80	21.70	22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.70	21.74	21.87	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.81	21.76	21.79	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.80	21.82	21.77	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.72	21.74	21.87	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.83	21.78	21.76	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.79	21.79	21.73	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.71	21.80	21.85	22.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.82	21.75	21.87	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.82	21.80	21.86	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.78	21.80	21.74	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.81	21.82	21.74	22.5	0.0



Part27O_n77(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
Channel				66000	66000	66000		
Frequency (MHz)				2150	2150	2150		
100	PI2 BPSK	1	1	2154	2157	2154		
100	PI2 BPSK	1	137	2166	2159	2159	22.5	0.0
100	PI2 BPSK	1	271	2181	2167	2160		
100	PI2 BPSK	135	0	2163	2157	2163	22.5	0.0
100	PI2 BPSK	135	69	2158	2168	2159		
100	PI2 BPSK	135	138	2165	2180	2160	22.5	0.0
100	PI2 BPSK	270	0	2159	2170	2159		
100	QPSK	1	1	2167	2172	2160		
100	QPSK	1	137	2158	2166	2159	22.5	0.0
100	QPSK	1	271	2165	2169	2160		
100	QPSK	135	0	2161	2168	2160	22.5	0.0
100	QPSK	135	69	2158	2173	2159		
100	QPSK	135	138	2168	2162	2159	22.5	0.0
100	QPSK	270	0	2153	2160	2159		
100	BQAM	1	1	2157	2168	2156	22.5	0.0
100	BQAM	1	1	2165	2159	2159	22.5	0.0
100	BQAM	1	1	2165	2168	2163	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3745.02	3840	3834.98		
90	QPSK	1	1	2165	2162	2160	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3740.01	3840	3839.99		
80	QPSK	1	1	2161	2169	2163	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3735	3840	3845		
70	QPSK	1	1	2158	2160	2151	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3730.02	3840	3840.98		
60	QPSK	1	1	2160	2167	2159	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3725.01	3840	3844.99		
50	QPSK	1	1	2164	2164	2163	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3720	3840	3850		
40	QPSK	1	1	2154	2165	2151	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3715.02	3840	3844.98		
30	QPSK	1	1	2164	2163	2162	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3712.5	3840	3847.5		
25	QPSK	1	1	2162	2161	2160	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3710.51	3840	3849.59		
20	QPSK	1	1	2153	2162	2160	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3707.52	3840	3842.48		
15	QPSK	1	1	2164	2164	2160	22.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3705	3840	3875		
10	QPSK	1	1	2165	2165	2159	22.5	0.0



Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	RUZ BPSK	1	1	18.34	18.34	18.34	19.0	0.0
100	RUZ BPSK	1	137	18.34	18.34	18.34	19.0	0.0
100	RUZ BPSK	1	271	18.04	18.04	18.04	19.0	0.0
100	RUZ BPSK	135	0	18.08	18.08	18.08	19.0	0.0
100	RUZ BPSK	135	69	18.30	18.30	18.30	19.0	0.0
100	RUZ BPSK	135	138	18.05	18.05	18.05	19.0	0.0
100	RUZ BPSK	270	0	18.05	18.05	18.05	19.0	0.0
100	QPSK	1	1	18.35	18.35	18.35	19.0	0.0
100	QPSK	1	137	18.35	18.35	18.35	19.0	0.0
100	QPSK	1	271	18.12	18.12	18.12	19.0	0.0
100	QPSK	135	0	18.08	18.08	18.08	19.0	0.0
100	QPSK	135	69	18.30	18.30	18.30	19.0	0.0
100	QPSK	135	138	18.01	18.01	18.01	19.0	0.0
100	QPSK	270	0	18.03	18.03	18.03	19.0	0.0
100	BQAM	1	1	18.01	18.01	18.01	19.0	0.0
100	BQAM	1	1	18.04	18.04	18.04	19.0	0.0
100	BQAM	1	1	18.09	18.09	18.09	19.0	0.0
Channel								
Frequency (MHz)								
				6338.00	6338.00	6338.00	Tune-up Unit (dBm)	MPR (dB)
				3495	3499.98	3504.99	(dBm)	(dB)
30	QPSK	1	1	18.04	18.08	18.00	19.0	0.0
Channel								
Frequency (MHz)								
				6340.00	6340.00	6340.00	Tune-up Unit (dBm)	MPR (dB)
				3490.02	3499.98	3510	(dBm)	(dB)
80	QPSK	1	1	18.08	17.08	17.87	19.0	0.0
Channel								
Frequency (MHz)								
				6342.00	6342.00	6342.00	Tune-up Unit (dBm)	MPR (dB)
				3485.01	3499.98	3514.98	(dBm)	(dB)
70	QPSK	1	1	18.01	18.00	18.03	19.0	0.0
Channel								
Frequency (MHz)								
				6343.00	6343.00	6343.00	Tune-up Unit (dBm)	MPR (dB)
				3480	3499.98	3519.98	(dBm)	(dB)
60	QPSK	1	1	18.10	18.00	18.05	19.0	0.0
Channel								
Frequency (MHz)								
				6344.00	6344.00	6344.00	Tune-up Unit (dBm)	MPR (dB)
				3475.02	3499.98	3520	(dBm)	(dB)
50	QPSK	1	1	18.08	17.05	18.04	19.0	0.0
Channel								
Frequency (MHz)								
				6345.00	6345.00	6345.00	Tune-up Unit (dBm)	MPR (dB)
				3470.01	3499.98	3520.98	(dBm)	(dB)
40	QPSK	1	1	18.01	18.02	18.03	19.0	0.0
Channel								
Frequency (MHz)								
				6346.00	6346.00	6346.00	Tune-up Unit (dBm)	MPR (dB)
				3465	3499.98	3524.99	(dBm)	(dB)
30	QPSK	1	1	18.00	17.00	18.00	19.0	0.0
Channel								
Frequency (MHz)								
				6347.00	6347.00	6347.00	Tune-up Unit (dBm)	MPR (dB)
				3462.51	3499.98	3527.51	(dBm)	(dB)
25	QPSK	1	1	18.10	17.00	18.07	19.0	0.0
Channel								
Frequency (MHz)								
				6348.00	6333.02	6339.00	Tune-up Unit (dBm)	MPR (dB)
				3460.00	3499.98	3530	(dBm)	(dB)
20	QPSK	1	1	18.10	17.00	18.00	19.0	0.0
Channel								
Frequency (MHz)								
				6349.00	6333.02	6339.00	Tune-up Unit (dBm)	MPR (dB)
				3457.5	3499.98	3542.40	(dBm)	(dB)
15	QPSK	1	1	18.10	18.00	18.11	19.0	0.0
Channel								
Frequency (MHz)								
				6350.00	6333.02	6339.00	Tune-up Unit (dBm)	MPR (dB)
				3455.01	3499.98	3544.98	(dBm)	(dB)
10	QPSK	1	1	18.03	18.00	17.99	19.0	0.0



Part27Q_n77(HPUe)_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like Pi/2 BPSK, QPSK, BQAM, and 256QAM.

Part27Q_n77_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like Pi/2 BPSK, QPSK, BQAM, and 256QAM.

Part27Q_n77(HPUe)_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like Pi/2 BPSK, QPSK, BQAM, and 256QAM.



Part27Q_n77_Ant 8									
BW (MHz)	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	20.14	20.14	20.14			
100	PI2 BPSK	1	137	20.23	20.23	20.23	21.0	0.0	
100	PI2 BPSK	1	271	20.21	20.21	20.21			
100	PI2 BPSK	135	0	20.15	20.15	20.15	21.0	0.0	
100	PI2 BPSK	135	66	20.15	20.15	20.15	21.0	0.0	
100	PI2 BPSK	135	138	20.17	20.17	20.17	21.0	0.0	
100	PI2 BPSK	270	0	20.21	20.21	20.21			
100	QPSK	1	1	20.25	20.25	20.25			
100	QPSK	1	137	20.17	20.17	20.17	21.0	0.0	
100	QPSK	1	271	20.10	20.10	20.10			
100	QPSK	135	0	20.19	20.19	20.19	21.0	0.0	
100	QPSK	135	66	20.21	20.21	20.21	21.0	0.0	
100	QPSK	135	138	20.11	20.11	20.11	21.0	0.0	
100	QPSK	270	0	20.12	20.12	20.12			
100	ISDM	1	1	20.22	20.22	20.22	21.0	0.0	
100	ISDM	1	1	20.22	20.22	20.22	21.0	0.0	
100	ISDM	1	1	20.14	20.14	20.14	21.0	0.0	
100	ISDM	1	1	20.21	20.21	20.21	21.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.11	20.12	20.15	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.11	20.11	20.15	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.19	20.15	20.08	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.17	20.06	20.14	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.13	20.19	20.17	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.14	20.14	20.21	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.12	20.11	20.10	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.10	20.09	20.09	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.10	20.08	20.10	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.10	20.10	20.22	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.10	20.10	20.09	21.0	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.03	23.03	23.03			
100	PI2 BPSK	1	137	23.11	23.11	23.11	24.0	0.0	
100	PI2 BPSK	1	271	23.03	23.03	23.03			
100	PI2 BPSK	135	0	23.17	23.17	23.17	24.0	0.0	
100	PI2 BPSK	135	66	23.04	23.04	23.04	24.0	0.0	
100	PI2 BPSK	135	138	23.14	23.14	23.14	24.0	0.0	
100	PI2 BPSK	270	0	23.11	23.11	23.11			
100	QPSK	1	1	23.19	23.19	23.19			
100	QPSK	1	137	23.12	23.12	23.12	24.0	0.0	
100	QPSK	1	271	23.15	23.15	23.15			
100	QPSK	135	0	23.16	23.16	23.16	24.0	0.0	
100	QPSK	135	66	23.17	23.17	23.17	24.0	0.0	
100	QPSK	135	138	23.11	23.11	23.11	24.0	0.0	
100	QPSK	270	0	23.10	23.10	23.10			
100	ISDM	1	1	23.16	23.16	23.16	24.0	0.0	
100	ISDM	1	1	23.04	23.04	23.04	24.0	0.0	
100	ISDM	1	1	21.46	21.46	21.46	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.08	23.04	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.13	22.98	23.14	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.04	23.09	23.10	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.12	23.01	23.06	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.06	23.10	23.02	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.09	22.98	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.07	23.07	23.05	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.16	23.07	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.16	23.08	23.12	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.16	23.11	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.05	23.07	23.09	24.0	0.0	



Part270_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	20.18	20.22	20.25			
100	PIQ BPSK	1	137	20.20	20.26	20.32	21.0	0.0	
100	PIQ BPSK	1	271	20.29	20.27	20.31			
100	PIQ BPSK	135	0	20.21	20.34	20.34	21.0	0.0	
100	PIQ BPSK	135	69	20.24	20.28	20.32	21.0	0.0	
100	PIQ BPSK	135	138	20.29	20.32	20.32	21.0	0.0	
100	PIQ BPSK	270	0	20.17	20.24	20.33			
100	QPSK	1	1	20.20	20.27	20.25			
100	QPSK	1	137	20.17	20.24	20.24	21.0	0.0	
100	QPSK	1	271	20.18	20.26	20.21			
100	QPSK	135	0	20.28	20.29	20.25	21.0	0.0	
100	QPSK	135	69	20.27	20.21	20.25	21.0	0.0	
100	QPSK	135	138	20.22	20.27	20.24	21.0	0.0	
100	QPSK	270	0	20.25	20.30	20.25			
100	8QAM	1	1	20.19	20.22	20.27	21.0	0.0	
100	8QAM	1	1	20.18	20.26	20.31	21.0	0.0	
100	256QAM	1	1	20.25	20.33	20.23	21.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.15	20.22	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.01	20.03	20.06	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.28	20.24	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.16	20.34	20.31	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.18	20.26	20.21	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.15	20.36	20.23	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.26	20.30	20.20	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.18	20.35	20.20	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.13	20.24	20.22	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.23	20.29	20.27	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.23	20.25	20.20	21.0	0.0	

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.18	23.24	23.10			
100	PIQ BPSK	1	137	23.23	23.20	23.20	24.0	0.0	
100	PIQ BPSK	1	271	23.19	23.27	23.20			
100	PIQ BPSK	135	0	23.15	23.26	23.11	24.0	0.0	
100	PIQ BPSK	135	69	23.25	23.20	23.11	24.0	0.0	
100	PIQ BPSK	135	138	23.25	23.26	23.23	24.0	0.0	
100	PIQ BPSK	270	0	23.22	23.27	23.22			
100	QPSK	1	1	23.20	23.20	23.25			
100	QPSK	1	137	23.17	23.24	23.22	24.0	0.0	
100	QPSK	1	271	23.14	23.20	23.23			
100	QPSK	135	0	23.24	23.24	23.13	24.0	0.0	
100	QPSK	135	69	23.25	23.25	23.25	24.0	0.0	
100	QPSK	135	138	23.18	23.19	23.20	24.0	0.0	
100	QPSK	270	0	23.24	23.20	23.11			
100	8QAM	1	1	23.18	23.26	23.16	24.0	0.0	
100	8QAM	1	1	23.19	23.20	23.23	24.0	0.0	
100	256QAM	1	1	23.19	23.20	23.18	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.27	23.20	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.23	23.21	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.17	23.28	23.21	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.14	23.31	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.18	23.26	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.18	23.18	23.11	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.21	23.17	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.25	23.27	23.12	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.25	23.27	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.22	23.20	23.16	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.19	23.20	23.13	24.0	0.0	



Part27Q_n78_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	15.75	15.75	15.75	19.5	0.0
100	PB2 BPSK	1	137	18.81	18.81	18.81	19.5	0.0
100	PB2 BPSK	1	271	18.80	18.80	18.80	19.5	0.0
100	PB2 BPSK	135	0	18.94	18.94	18.94	19.5	0.0
100	PB2 BPSK	135	69	18.81	18.81	18.81	19.5	0.0
100	PB2 BPSK	135	138	18.81	18.81	18.81	19.5	0.0
100	PB2 BPSK	270	0	18.75	18.75	18.75	19.5	0.0
100	QPSK	1	1	18.84	18.74	18.74	19.5	0.0
100	QPSK	1	137	18.84	18.74	18.74	19.5	0.0
100	QPSK	1	271	18.84	18.74	18.74	19.5	0.0
100	QPSK	135	0	18.76	18.76	18.76	19.5	0.0
100	QPSK	135	69	18.79	18.79	18.79	19.5	0.0
100	QPSK	135	138	18.74	18.74	18.74	19.5	0.0
100	QPSK	270	0	18.72	18.72	18.72	19.5	0.0
100	64QAM	1	1	18.74	18.74	18.74	19.5	0.0
100	64QAM	1	1	18.76	18.76	18.76	19.5	0.0
100	256QAM	1	1	18.70	18.70	18.70	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.82	18.78	18.85	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.75	18.80	18.81	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.84	18.82	18.73	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.75	18.83	18.78	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.84	18.78	18.83	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.84	18.74	18.75	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.71	18.71	18.80	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.81	18.73	18.73	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.80	18.81	18.76	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.80	18.83	18.74	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.82	18.81	18.73	19.5	0.0

Part27Q_n78(HPUe)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	21.53	21.53	21.53	22.5	0.0
100	PB2 BPSK	1	137	21.56	21.56	21.56	22.5	0.0
100	PB2 BPSK	1	271	21.48	21.48	21.48	22.5	0.0
100	PB2 BPSK	135	0	21.57	21.57	21.57	22.5	0.0
100	PB2 BPSK	135	69	21.53	21.53	21.53	22.5	0.0
100	PB2 BPSK	135	138	21.56	21.56	21.56	22.5	0.0
100	PB2 BPSK	270	0	21.51	21.51	21.51	22.5	0.0
100	QPSK	1	1	21.60	21.60	21.60	22.5	0.0
100	QPSK	1	137	21.48	21.48	21.48	22.5	0.0
100	QPSK	1	271	21.43	21.43	21.43	22.5	0.0
100	QPSK	135	0	21.51	21.51	21.51	22.5	0.0
100	QPSK	135	69	21.55	21.55	21.55	22.5	0.0
100	QPSK	135	138	21.51	21.51	21.51	22.5	0.0
100	QPSK	270	0	21.48	21.48	21.48	22.5	0.0
100	64QAM	1	1	21.48	21.48	21.48	22.5	0.0
100	64QAM	1	1	21.43	21.43	21.43	22.5	0.0
100	256QAM	1	1	21.55	21.55	21.55	22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.52	21.45	21.45	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.57	21.46	21.47	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.48	21.57	21.53	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.50	21.49	21.48	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.52	21.51	21.45	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.48	21.52	21.47	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.59	21.57	21.45	22.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.47	21.43	21.51	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.57	21.57	21.52	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.53	21.43	21.45	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.58	21.56	21.48	22.5	0.0

Part27O_n78_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	18.83	18.83	18.83	19.5	0.0
100	PB2 BPSK	1	137	18.85	18.85	18.85	19.5	0.0
100	PB2 BPSK	1	271	18.78	18.78	18.78	19.5	0.0
100	PB2 BPSK	135	0	18.86	18.86	18.86	19.5	0.0
100	PB2 BPSK	135	69	18.78	18.78	18.78	19.5	0.0
100	PB2 BPSK	135	138	18.77	18.77	18.77	19.5	0.0
100	PB2 BPSK	270	0	18.82	18.82	18.82	19.5	0.0
100	QPSK	1	1	18.82	18.82	18.82	19.5	0.0
100	QPSK	1	137	18.84	18.84	18.84	19.5	0.0
100	QPSK	1	271	18.85	18.85	18.85	19.5	0.0
100	QPSK	135	0	18.80	18.80	18.80	19.5	0.0
100	QPSK	135	69	18.85	18.85	18.85	19.5	0.0
100	QPSK	135	138	18.80	18.80	18.80	19.5	0.0
100	QPSK	270	0	18.88	18.88	18.88	19.5	0.0
100	64QAM	1	1	18.85	18.85	18.85	19.5	0.0
100	64QAM	1	1	18.83	18.83	18.83	19.5	0.0
100	256QAM	1	1	18.75	18.75	18.75	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.84	18.77	18.75	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.80	18.79	18.79	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.80	18.85	18.75	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.80	18.90	18.78	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.80	18.77	18.81	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.83	18.77	18.83	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.81	18.91	18.83	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.81	18.82	18.88	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.74	18.86	18.88	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.82	18.79	18.88	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.82	18.85	18.76	19.5	0.0



Part27O_n78(HPUE)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3745				
100	RUZ BPSK	1	1	21.69				
100	RUZ BPSK	1	137	21.74			22.5	0.0
100	RUZ BPSK	1	271	21.78				
100	RUZ BPSK	135	0	21.70			22.5	0.0
100	RUZ BPSK	135	69	21.70			22.5	0.0
100	RUZ BPSK	135	138	21.88				
100	RUZ BPSK	270	0	21.75			22.5	0.0
100	QPSK	1	1	21.81				
100	QPSK	1	137	21.89			22.5	0.0
100	QPSK	1	271	21.89				
100	QPSK	135	0	21.78			22.5	0.0
100	QPSK	135	69	21.8				
100	QPSK	135	138	21.79			22.5	0.0
100	QPSK	270	0	21.75				
100	BQAM	1	1	21.71			22.5	0.0
100	BQAM	1	1	21.72			22.5	0.0
100	BQAM	1	1	21.72			22.5	0.0
Channel								
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	21.78	21.79	21.78	22.5	0.0
Channel								
Frequency (MHz)				3745.01	3750	3754.99		
80	QPSK	1	1	21.78	21.69	21.72	22.5	0.0
Channel								
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.69	21.69	21.67	22.5	0.0
Channel								
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	21.73	21.71	21.73	22.5	0.0
Channel								
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	21.67	21.71	21.69	22.5	0.0
Channel								
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.77	21.71	21.67	22.5	0.0
Channel								
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	21.69	21.71	21.71	22.5	0.0
Channel								
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.67	21.80	21.71	22.5	0.0
Channel								
Frequency (MHz)				3710.51	3750	3789.50		
20	QPSK	1	1	21.68	21.82	21.71	22.5	0.0
Channel								
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	21.72	21.78	21.72	22.5	0.0
Channel								
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.68	21.72	21.72	22.5	0.0



Part27Q_n78_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.79	18.79	18.79	19.5	0.0
100	PI2 BPSK	1	137	18.79	18.79	18.79	19.5	0.0
100	PI2 BPSK	1	271	18.77	18.77	18.77	19.5	0.0
100	PI2 BPSK	135	0	18.95	18.95	18.95	19.5	0.0
100	PI2 BPSK	135	69	18.77	18.77	18.77	19.5	0.0
100	PI2 BPSK	135	138	18.88	18.88	18.88	19.5	0.0
100	PI2 BPSK	270	0	18.74	18.74	18.74	19.5	0.0
100	QPSK	1	1	18.30	18.30	18.30	19.5	0.0
100	QPSK	1	137	18.74	18.74	18.74	19.5	0.0
100	QPSK	1	271	18.77	18.77	18.77	19.5	0.0
100	QPSK	135	0	18.88	18.88	18.88	19.5	0.0
100	QPSK	135	69	18.77	18.77	18.77	19.5	0.0
100	QPSK	135	138	18.72	18.72	18.72	19.5	0.0
100	QPSK	270	0	18.70	18.70	18.70	19.5	0.0
100	16QAM	1	1	18.69	18.69	18.69	19.5	0.0
100	64QAM	1	1	18.74	18.74	18.74	19.5	0.0
100	256QAM	1	1	18.78	18.78	18.78	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.75	18.83	18.88	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.72	18.89	18.70	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.72	18.87	18.75	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.78	18.89	18.71	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.74	18.74	18.76	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.75	18.65	18.70	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.77	18.71	18.64	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.74	18.68	18.71	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.67	18.67	18.73	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.74	18.68	18.74	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.72	18.69	18.67	19.5	0.0

Part27Q_n78(HPUe)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.63	21.63	21.63	22.5	0.0
100	PI2 BPSK	1	137	21.58	21.58	21.58	22.5	0.0
100	PI2 BPSK	1	271	21.52	21.52	21.52	22.5	0.0
100	PI2 BPSK	135	0	21.63	21.63	21.63	22.5	0.0
100	PI2 BPSK	135	69	21.62	21.62	21.62	22.5	0.0
100	PI2 BPSK	135	138	21.68	21.68	21.68	22.5	0.0
100	PI2 BPSK	270	0	21.65	21.65	21.65	22.5	0.0
100	QPSK	1	1	21.70	21.70	21.70	22.5	0.0
100	QPSK	1	137	21.61	21.61	21.61	22.5	0.0
100	QPSK	1	271	21.63	21.63	21.63	22.5	0.0
100	QPSK	135	0	21.64	21.64	21.64	22.5	0.0
100	QPSK	135	69	21.65	21.65	21.65	22.5	0.0
100	QPSK	135	138	21.62	21.62	21.62	22.5	0.0
100	QPSK	270	0	21.65	21.65	21.65	22.5	0.0
100	16QAM	1	1	21.61	21.61	21.61	22.5	0.0
100	64QAM	1	1	21.62	21.62	21.62	22.5	0.0
100	256QAM	1	1	21.57	21.57	21.57	22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.67	21.67	21.74	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.70	21.73	21.60	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.71	21.67	21.60	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.70	21.75	21.70	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.70	21.74	21.62	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.64	21.73	21.68	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.68	21.71	21.67	22.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.70	21.72	21.74	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.59	21.62	21.67	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.70	21.63	21.70	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.68	21.62	21.67	22.5	0.0

Part27Q_n78_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.71	18.71	18.71	19.5	0.0
100	PI2 BPSK	1	137	18.78	18.78	18.78	19.5	0.0
100	PI2 BPSK	1	271	18.89	18.89	18.89	19.5	0.0
100	PI2 BPSK	135	0	18.77	18.77	18.77	19.5	0.0
100	PI2 BPSK	135	69	18.70	18.70	18.70	19.5	0.0
100	PI2 BPSK	135	138	18.71	18.71	18.71	19.5	0.0
100	PI2 BPSK	270	0	18.78	18.78	18.78	19.5	0.0
100	QPSK	1	1	18.83	18.83	18.83	19.5	0.0
100	QPSK	1	137	18.77	18.77	18.77	19.5	0.0
100	QPSK	1	271	18.65	18.65	18.65	19.5	0.0
100	QPSK	135	0	18.78	18.78	18.78	19.5	0.0
100	QPSK	135	69	18.85	18.85	18.85	19.5	0.0
100	QPSK	135	138	18.68	18.68	18.68	19.5	0.0
100	QPSK	270	0	18.75	18.75	18.75	19.5	0.0
100	16QAM	1	1	18.77	18.77	18.77	19.5	0.0
100	64QAM	1	1	18.70	18.70	18.70	19.5	0.0
100	256QAM	1	1	18.71	18.71	18.71	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.76	18.81	18.72	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.65	18.82	18.66	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.68	18.80	18.68	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.67	18.89	18.68	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.66	18.79	18.67	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.72	18.72	18.73	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.70	18.78	18.65	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.69	18.70	18.73	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.67	18.78	18.72	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.71	18.72	18.69	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.77	18.79	18.66	19.5	0.0



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3745				
100	PI2 BPSK	1	1	21.55				
100	PI2 BPSK	1	137	21.58			22.5	0.0
100	PI2 BPSK	1	271	21.59				
100	PI2 BPSK	135	0	21.57			22.5	0.0
100	PI2 BPSK	135	69	21.63			22.5	0.0
100	PI2 BPSK	135	138	21.61			22.5	0.0
100	PI2 BPSK	270	0	21.63				
100	QPSK	1	1	21.60				
100	QPSK	1	137	21.58			22.5	0.0
100	QPSK	1	271	21.52				
100	QPSK	135	0	21.60			22.5	0.0
100	QPSK	135	69	21.6			22.5	0.0
100	QPSK	135	138	21.54			22.5	0.0
100	QPSK	270	0	21.61				
100	BQAM	1	1	21.62			22.5	0.0
100	BQAM	1	1	21.54			22.5	0.0
100	BQAM	1	1	21.58			22.5	0.0
Channel				3745.02	3750	3754.98		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	21.59	21.57	21.68	22.5	0.0
Channel				3745.32	3750	3755.68		
Frequency (MHz)				3745.32	3750	3755.68		
80	QPSK	1	1	21.61	21.59	21.65	22.5	0.0
Channel				3745.63	3750	3760.37		
Frequency (MHz)				3745.63	3750	3760.37		
70	QPSK	1	1	21.60	21.58	21.63	22.5	0.0
Channel				3745.93	3750	3765.07		
Frequency (MHz)				3745.93	3750	3765.07		
60	QPSK	1	1	21.52	21.63	21.47	22.5	0.0
Channel				3746.11	3750	3769.89		
Frequency (MHz)				3746.11	3750	3769.89		
50	QPSK	1	1	21.61	21.58	21.67	22.5	0.0
Channel				3746.40	3750	3774.60		
Frequency (MHz)				3746.40	3750	3774.60		
40	QPSK	1	1	21.49	21.63	21.62	22.5	0.0
Channel				3746.68	3750	3779.32		
Frequency (MHz)				3746.68	3750	3779.32		
30	QPSK	1	1	21.56	21.64	21.60	22.5	0.0
Channel				3746.92	3750	3784.08		
Frequency (MHz)				3746.92	3750	3784.08		
25	QPSK	1	1	21.58	21.63	21.68	22.5	0.0
Channel				3747.14	3750	3788.86		
Frequency (MHz)				3747.14	3750	3788.86		
20	QPSK	1	1	21.43	21.67	21.64	22.5	0.0
Channel				3747.68	3750	3793.32		
Frequency (MHz)				3747.68	3750	3793.32		
15	QPSK	1	1	21.58	21.62	21.62	22.5	0.0
Channel				3747.93	3750	3797.07		
Frequency (MHz)				3747.93	3750	3797.07		
10	QPSK	1	1	21.51	21.62	21.60	22.5	0.0



Part27Q_n78_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PB2 BPSK	1	1	17.95	18.00	18.05				
100	PB2 BPSK	1	137	17.93			19.0	0.0		
100	PB2 BPSK	1	271	18.02						
100	PB2 BPSK	135	0	18.04			19.0	0.0		
100	PB2 BPSK	135	69	18.00			19.0	0.0		
100	PB2 BPSK	135	138	17.98			19.0	0.0		
100	PB2 BPSK	270	0	18.03						
100	QPSK	1	1	18.02						
100	QPSK	1	137	18.04			19.0	0.0		
100	QPSK	1	271	18.00						
100	QPSK	135	0	17.96			19.0	0.0		
100	QPSK	135	69	18.00			19.0	0.0		
100	QPSK	135	138	17.96			19.0	0.0		
100	QPSK	270	0	17.99						
100	64QAM	1	1	18.00			19.0	0.0		
100	64QAM	1	1	17.91			19.0	0.0		
100	256QAM	1	1	18.01			19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.02	18.00	17.94	19.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.82	18.03	18.03	19.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.02	17.98	17.95	19.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.04	17.92	17.96	19.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.91	18.01	17.99	19.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.85	17.99	17.89	19.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.86	17.83	17.80	19.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.87	17.99	17.85	19.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.00	17.91	17.85	19.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.04	17.88	17.84	19.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.92	18.00	17.87	19.0	0.0		

Part27Q_n78(HPUe)_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PB2 BPSK	1	1	21.07	20.98	20.98				
100	PB2 BPSK	1	137	20.98			22.0	0.0		
100	PB2 BPSK	1	271	21.08						
100	PB2 BPSK	135	0	21.09			22.0	0.0		
100	PB2 BPSK	135	69	21.02			22.0	0.0		
100	PB2 BPSK	135	138	21.10			22.0	0.0		
100	PB2 BPSK	270	0	20.98						
100	QPSK	1	1	21.12						
100	QPSK	1	137	21.08			22.0	0.0		
100	QPSK	1	271	20.97						
100	QPSK	135	0	21.03			22.0	0.0		
100	QPSK	135	69	21.07			22.0	0.0		
100	QPSK	135	138	21.08			22.0	0.0		
100	QPSK	270	0	21.05						
100	64QAM	1	1	20.99			22.0	0.0		
100	64QAM	1	1	21.09			22.0	0.0		
100	256QAM	1	1	21.08			22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	21.08	20.99	20.93	22.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	21.01	21.05	21.03	22.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	21.03	21.09	20.97	22.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	21.02	21.07	20.96	22.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	21.01	20.99	21.07	22.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	21.08	20.98	21.01	22.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	21.09	21.08	21.03	22.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	21.08	21.04	20.97	22.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	21.04	21.05	21.01	22.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	21.09	21.02	21.01	22.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	21.08	20.98	21.03	22.0	0.0		

Part27Q_n78_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PB2 BPSK	1	1	18.16						
100	PB2 BPSK	1	137	18.21			19.0	0.0		
100	PB2 BPSK	1	271	18.16						
100	PB2 BPSK	135	0	18.19			19.0	0.0		
100	PB2 BPSK	135	69	18.27			19.0	0.0		
100	PB2 BPSK	135	138	18.28			19.0	0.0		
100	PB2 BPSK	270	0	18.16						
100	QPSK	1	1	18.28						
100	QPSK	1	137	18.21			19.0	0.0		
100	QPSK	1	271	18.28						
100	QPSK	135	0	18.17			19.0	0.0		
100	QPSK	135	69	18.22			19.0	0.0		
100	QPSK	135	138	18.15			19.0	0.0		
100	QPSK	270	0	18.15						
100	64QAM	1	1	18.24			19.0	0.0		
100	64QAM	1	1	18.18			19.0	0.0		
100	256QAM	1	1	18.20			19.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	18.17	18.05	18.21	19.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	18.22	18.17	18.23	19.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	18.25	18.14	18.19	19.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	18.15	18.05	18.16	19.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	18.23	18.17	18.22	19.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	18.24	18.12	18.16	19.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	18.17	18.18	18.15	19.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.25	18.10	18.22	19.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.22	18.09	18.18	19.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.22	18.10	18.14	19.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.14	18.17	18.13	19.0	0.0		



Part27O_n78(HPUE)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				64868	65000	65232	20.0	0.0
Channel				64868	65000	65232	20.0	0.0
100	PI2 BPSK	1	1	21.07	21.07	21.07	22.0	0.0
100	PI2 BPSK	1	137	21.02	21.02	21.02	22.0	0.0
100	PI2 BPSK	1	271	21.08	21.08	21.08	22.0	0.0
100	PI2 BPSK	135	0	20.98	20.98	20.98	22.0	0.0
100	PI2 BPSK	135	69	21.03	21.03	21.03	22.0	0.0
100	PI2 BPSK	135	138	21.02	21.02	21.02	22.0	0.0
100	PI2 BPSK	270	0	20.99	20.99	20.99	22.0	0.0
100	QPSK	1	1	21.10	21.10	21.10	22.0	0.0
100	QPSK	1	137	21.07	21.07	21.07	22.0	0.0
100	QPSK	1	271	21.02	21.02	21.02	22.0	0.0
100	QPSK	135	0	21.00	21.00	21.00	22.0	0.0
100	QPSK	135	69	21.07	21.07	21.07	22.0	0.0
100	QPSK	135	138	21.01	21.01	21.01	22.0	0.0
100	QPSK	270	0	20.99	20.99	20.99	22.0	0.0
100	BQAM	1	1	20.98	20.98	20.98	22.0	0.0
100	BQAM	1	1	20.98	20.98	20.98	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3745.02	3750	3754.98	22.0	0.0
90	QPSK	1	1	21.06	21.02	21.04	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3740.01	3750	3759.99	22.0	0.0
80	QPSK	1	1	20.99	20.90	21.01	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3735	3750	3765	22.0	0.0
70	QPSK	1	1	20.95	20.98	20.94	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3730.02	3750	3769.98	22.0	0.0
60	QPSK	1	1	21.08	21.00	21.01	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3725.01	3750	3774.99	22.0	0.0
50	QPSK	1	1	21.09	20.95	21.02	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3720	3750	3760	22.0	0.0
40	QPSK	1	1	20.96	20.90	20.93	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3715.02	3750	3764.98	22.0	0.0
30	QPSK	1	1	21.00	21.01	21.04	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3712.5	3750	3787.5	22.0	0.0
25	QPSK	1	1	20.95	21.03	20.99	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3710.51	3750	3789.50	22.0	0.0
20	QPSK	1	1	21.08	20.91	21.02	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3707.52	3750	3792.48	22.0	0.0
15	QPSK	1	1	20.95	21.03	21.02	22.0	0.0
Channel				64868	65000	65232	20.0	0.0
Frequency (MHz)				3705	3750	3799	22.0	0.0
10	QPSK	1	1	21.09	20.99	21.00	22.0	0.0



Part27Q_n78_Ant 8										
BW (MHz)	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) 3499.99										
100	PI2 BPSK	1	1	20.05						
100	PI2 BPSK	1	137	20.04						
100	PI2 BPSK	1	271	20.12			21.0	0.0		
100	PI2 BPSK	135	0	20.11					21.0	0.0
100	PI2 BPSK	135	69	20.04			21.0	0.0		
100	PI2 BPSK	135	138	20.12			21.0	0.0		
100	PI2 BPSK	270	0	20.04					21.0	0.0
100	QPSK	1	1	20.10						
100	QPSK	1	137	20.06			21.0	0.0		
100	QPSK	1	271	20.08					21.0	0.0
100	QPSK	135	0	20.11			21.0	0.0		
100	QPSK	135	69	20.10			21.0	0.0		
100	QPSK	135	138	20.06			21.0	0.0		
100	QPSK	270	0	20.08					21.0	0.0
100	64QAM	1	1	20.06			21.0	0.0		
100	64QAM	1	1	20.09			21.0	0.0		
100	256QAM	1	1	20.15			21.0	0.0		
Channel Frequency (MHz) 3499.98										
90	QPSK	1	1	20.15	20.04	20.10	21.0	0.0		
Channel Frequency (MHz) 3499.92										
80	QPSK	1	1	20.09	20.02	20.00	21.0	0.0		
Channel Frequency (MHz) 3485.01										
70	QPSK	1	1	20.08	20.10	20.06	21.0	0.0		
Channel Frequency (MHz) 3480										
60	QPSK	1	1	20.11	20.03	20.07	21.0	0.0		
Channel Frequency (MHz) 3475.02										
50	QPSK	1	1	20.06	20.15	20.02	21.0	0.0		
Channel Frequency (MHz) 3470.01										
40	QPSK	1	1	20.11	20.14	20.09	21.0	0.0		
Channel Frequency (MHz) 3460										
30	QPSK	1	1	20.10	20.05	20.02	21.0	0.0		
Channel Frequency (MHz) 3450.21										
25	QPSK	1	1	20.13	20.01	20.03	21.0	0.0		
Channel Frequency (MHz) 3460.02										
20	QPSK	1	1	20.12	20.01	20.07	21.0	0.0		
Channel Frequency (MHz) 3457.5										
15	QPSK	1	1	20.15	20.09	20.01	21.0	0.0		
Channel Frequency (MHz) 3455.01										
10	QPSK	1	1	20.18	20.08	20.00	21.0	0.0		

Part27Q_n78(HPUe)_Ant 8											
BW (MHz)	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) 3499.98											
100	PI2 BPSK	1	1	23.05							
100	PI2 BPSK	1	137	23.09					24.0	0.0	
100	PI2 BPSK	1	271	23.08						24.0	0.0
100	PI2 BPSK	135	0	23.05					24.0	0.0	
100	PI2 BPSK	135	69	23.02			24.0	0.0			
100	PI2 BPSK	135	138	23.08			24.0	0.0			
100	PI2 BPSK	270	0	23.08					24.0	0.0	
100	QPSK	1	1	23.10							
100	QPSK	1	137	23.01			24.0	0.0			
100	QPSK	1	271	23.08					24.0	0.0	
100	QPSK	135	0	23.07			24.0	0.0			
100	QPSK	135	69	23.05			24.0	0.0			
100	QPSK	135	138	23.01			24.0	0.0			
100	QPSK	270	0	23.02					24.0	0.0	
100	64QAM	1	1	23.00			24.0	0.0			
100	64QAM	1	1	23.04			24.0	0.0			
100	256QAM	1	1	23.17			22.5	1.5			
Channel Frequency (MHz) 3499.99											
90	QPSK	1	1	23.08	22.91	22.99	24.0	0.0			
Channel Frequency (MHz) 3490.02											
80	QPSK	1	1	22.97	23.03	22.96	24.0	0.0			
Channel Frequency (MHz) 3485.01											
70	QPSK	1	1	23.00	23.00	22.97	24.0	0.0			
Channel Frequency (MHz) 3480											
60	QPSK	1	1	23.08	22.93	22.90	24.0	0.0			
Channel Frequency (MHz) 3475.02											
50	QPSK	1	1	23.05	22.95	23.01	24.0	0.0			
Channel Frequency (MHz) 3470.01											
40	QPSK	1	1	23.04	23.04	22.93	24.0	0.0			
Channel Frequency (MHz) 3465											
30	QPSK	1	1	23.06	22.97	22.89	24.0	0.0			
Channel Frequency (MHz) 3460.02											
25	QPSK	1	1	23.08	22.91	22.80	24.0	0.0			
Channel Frequency (MHz) 3455.01											
20	QPSK	1	1	23.06	23.01	22.91	24.0	0.0			
Channel Frequency (MHz) 3450											
15	QPSK	1	1	22.95	22.83	23.01	24.0	0.0			
Channel Frequency (MHz) 3455.01											
10	QPSK	1	1	23.05	23.03	22.97	24.0	0.0			

Part27Q_n78_Ant 8											
BW (MHz)	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) 3499.99											
100	PI2 BPSK	1	1	20.11							
100	PI2 BPSK	1	137	20.19					21.0	0.0	
100	PI2 BPSK	1	271	20.22						21.0	0.0
100	PI2 BPSK	135	0	20.25					21.0	0.0	
100	PI2 BPSK	135	69	20.11			21.0	0.0			
100	PI2 BPSK	135	138	20.12			21.0	0.0			
100	PI2 BPSK	270	0	20.13					21.0	0.0	
100	QPSK	1	1	20.26							
100	QPSK	1	137	20.18			21.0	0.0			
100	QPSK	1	271	20.24					21.0	0.0	
100	QPSK	135	0	20.20			21.0	0.0			
100	QPSK	135	69	20.22			21.0	0.0			
100	QPSK	135	138	20.12			21.0	0.0			
100	QPSK	270	0	20.16					21.0	0.0	
100	64QAM	1	1	20.15			21.0	0.0			
100	64QAM	1	1	20.20			21.0	0.0			
100	256QAM	1	1	20.18			21.0	0.0			
Channel Frequency (MHz) 3499.98											
90	QPSK	1	1	20.24	20.18	20.08	21.0	0.0			
Channel Frequency (MHz) 3740.91											
80	QPSK	1	1	20.15	20.13	20.07	21.0	0.0			
Channel Frequency (MHz) 3735											
70	QPSK	1	1	20.24	20.16	20.08	21.0	0.0			
Channel Frequency (MHz) 3730.02											
60	QPSK	1	1	20.24	20.20	20.20	21.0	0.0			
Channel Frequency (MHz) 3725.01											
50	QPSK	1	1	20.18	20.09	20.11	21.0	0.0			
Channel Frequency (MHz) 3720											
40	QPSK	1	1	20.15	20.09	20.11	21.0	0.0			
Channel Frequency (MHz) 3715.02											
30	QPSK	1	1	20.14	20.22	20.18	21.0	0.0			
Channel Frequency (MHz) 3710.01											
25	QPSK	1	1	20.15	20.22	20.08	21.0	0.0			
Channel Frequency (MHz) 3705.01											
20	QPSK	1	1	20.24	20.10	20.09	21.0	0.0			
Channel Frequency (MHz) 3700.02											
15	QPSK	1	1	20.15	20.13	20.10	21.0	0.0			
Channel Frequency (MHz) 3705											
10	QPSK	1	1	20.25	20.11	20.19	21.0	0.0			



Part270_n78(HPUE)_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				66900				
Frequency (MHz)				23.0				
100	PI2 BPSK	1	1	23.0			24.0	0.0
100	PI2 BPSK	1	137	23.17			24.0	0.0
100	PI2 BPSK	1	271	23.18			24.0	0.0
100	PI2 BPSK	135	0	23.09			24.0	0.0
100	PI2 BPSK	135	69	23.18			24.0	0.0
100	PI2 BPSK	135	138	23.18			24.0	0.0
100	PI2 BPSK	270	0	23.19			24.0	0.0
100	QPSK	1	1	23.22			24.0	0.0
100	QPSK	1	137	23.10			24.0	0.0
100	QPSK	1	271	23.18			24.0	0.0
100	QPSK	135	0	23.12			24.0	0.0
100	QPSK	135	69	23.20			24.0	0.0
100	QPSK	135	138	23.19			24.0	0.0
100	QPSK	270	0	23.13			24.0	0.0
100	16QAM	1	1	23.14			24.0	0.0
100	64QAM	1	1	23.15			24.0	0.0
100	256QAM	1	1	23.79			22.5	1.5
Channel				58888	58900	58912	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98	(dB)	(dB)
90	QPSK	1	1	23.13	23.05	23.03	24.0	0.0
Channel				61928	62000	62080	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dB)	(dB)
80	QPSK	1	1	23.12	23.05	23.12	24.0	0.0
Channel				61968	62000	62032	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dB)	(dB)
70	QPSK	1	1	23.09	23.15	23.09	24.0	0.0
Channel				61928	62000	62032	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dB)	(dB)
60	QPSK	1	1	23.11	23.15	23.04	24.0	0.0
Channel				61928	62000	62032	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dB)	(dB)
50	QPSK	1	1	23.19	23.07	23.13	24.0	0.0
Channel				61920	62000	62000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dB)	(dB)
40	QPSK	1	1	23.12	23.13	23.15	24.0	0.0
Channel				61916	62000	62032	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dB)	(dB)
30	QPSK	1	1	23.10	23.10	23.10	24.0	0.0
Channel				61912	62000	62032	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	(dB)	(dB)
25	QPSK	1	1	23.17	23.08	23.12	24.0	0.0
Channel				61924	62000	62008	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dB)	(dB)
20	QPSK	1	1	23.07	23.09	23.05	24.0	0.0
Channel				61916	62000	62032	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dB)	(dB)
15	QPSK	1	1	23.11	23.08	23.03	24.0	0.0
Channel				61920	62000	62000	Tune-up limit (dB)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dB)	(dB)
10	QPSK	1	1	23.08	23.04	23.11	24.0	0.0



Reduced Power Mode for DSI5

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.42	22.47	22.50			
40	PI2 BPSK	1	108	22.45	22.46	22.49	23.5	0.0	
40	PI2 BPSK	1	214	22.43	22.45	22.48	23.5	0.0	
40	PI2 BPSK	108	0	22.49	22.56	22.48	23.5	0.0	
40	PI2 BPSK	108	54	22.48	22.46	22.45	23.5	0.0	
40	PI2 BPSK	108	108	22.34	22.48	22.47	23.5	0.0	
40	PI2 BPSK	216	0	22.37	22.44	22.34	23.5	0.0	
40	QPSK	1	1	22.57	22.58	22.52			
40	QPSK	1	108	22.48	22.55	22.39	23.5	0.0	
40	QPSK	1	214	22.53	22.57	22.37	23.0	0.5	
40	QPSK	108	0	21.94	22.06	21.94	23.0	0.5	
40	QPSK	108	54	22.46	22.52	22.37	23.5	0.0	
40	QPSK	108	108	21.86	22.01	21.93	23.0	0.5	
40	QPSK	216	0	21.88	21.98	21.89	23.0	0.5	
40	16QAM	1	1	21.92	22.00	21.87	23.0	0.5	
40	16QAM	1	1	20.50	20.56	20.55	21.5	2.0	
40	256QAM	1	1	18.48	18.50	18.39	19.5	4.0	
Channel									
Frequency (MHz)				37500	37600	37600	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.54	22.54	22.43	23.5	0.0	
Channel									
Frequency (MHz)				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.46	22.51	22.41	23.5	0.0	
Channel									
Frequency (MHz)				1862.5	1880	1892.5	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.46	22.53	22.45	23.5	0.0	
Channel									
Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.56	22.54	22.41	23.5	0.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.59	22.46	22.48	23.5	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.43	22.51	22.49	23.5	0.0	
Channel									
Frequency (MHz)				1892.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.44	22.56	22.46	23.5	0.0	

n2_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	22.64	22.70	22.64			
40	PI2 BPSK	1	108	22.62	22.65	22.53	24.0	0.0	
40	PI2 BPSK	1	214	22.63	22.67	22.53	24.0	0.0	
40	PI2 BPSK	108	0	22.15	22.21	22.18	23.5	0.5	
40	PI2 BPSK	108	54	22.54	22.62	22.81	24.0	0.0	
40	PI2 BPSK	108	108	22.12	22.18	22.16	23.5	0.5	
40	PI2 BPSK	216	0	22.12	22.16	22.02	23.5	0.5	
40	QPSK	1	1	22.62	22.75	22.72			
40	QPSK	1	108	22.56	22.70	22.56	24.0	0.0	
40	QPSK	1	214	22.56	22.69	22.66	24.0	0.0	
40	QPSK	108	0	21.76	21.77	21.75	23.0	1.0	
40	QPSK	108	54	22.54	22.71	22.82	24.0	0.0	
40	QPSK	108	108	21.56	21.67	21.56	23.0	1.0	
40	QPSK	216	0	21.56	21.69	21.63	23.0	1.0	
40	16QAM	1	1	21.71	21.77	21.74	23.0	1.0	
40	16QAM	1	1	20.08	20.22	20.10	21.5	2.5	
40	256QAM	1	1	18.17	18.27	18.24	19.5	4.5	
Channel									
Frequency (MHz)				37500	37600	37600	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.48	22.65	22.44	24.0	0.0	
Channel									
Frequency (MHz)				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.58	22.64	22.52	24.0	0.0	
Channel									
Frequency (MHz)				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.54	22.67	22.84	24.0	0.0	
Channel									
Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.48	22.67	22.66	24.0	0.0	
Channel									
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.55	22.65	22.53	24.0	0.0	
Channel									
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.49	22.61	22.60	24.0	0.0	
Channel									
Frequency (MHz)				1892.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.49	22.70	22.84	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				2520	2535	2550			
40	PI2 BPSK	1	1	22.79	22.75	22.71			
40	PI2 BPSK	1	108	22.69	22.84	22.82	23.5	0.0	
40	PI2 BPSK	1	214	22.76	22.87	22.81	23.5	0.0	
40	PI2 BPSK	108	0	22.77	22.82	22.75	23.5	0.0	
40	PI2 BPSK	108	54	22.76	22.76	22.75	23.5	0.0	
40	PI2 BPSK	108	108	22.76	22.85	22.76	23.5	0.0	
40	PI2 BPSK	216	0	22.80	22.87	22.78	23.5	0.0	
40	QPSK	1	1	22.84	22.86	22.85			
40	QPSK	1	108	22.77	22.77	22.82	23.5	0.0	
40	QPSK	1	214	22.74	22.79	22.82	23.0	0.5	
40	QPSK	108	0	22.26	22.34	22.33	23.0	0.5	
40	QPSK	108	54	22.75	22.80	22.75	23.5	0.0	
40	QPSK	108	108	22.24	22.30	22.19	23.0	0.5	
40	QPSK	216	0	22.17	22.28	22.16	23.0	0.5	
40	16QAM	1	1	22.26	22.28	22.16	23.0	0.5	
40	16QAM	1	1	20.76	20.86	20.76	21.5	2.0	
40	256QAM	1	1	18.81	18.88	18.78	19.5	4.0	
Channel									
Frequency (MHz)				50500	50700	51050	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.78	22.76	22.76	23.5	0.0	
Channel									
Frequency (MHz)				50300	50700	51000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.76	22.86	22.79	23.5	0.0	
Channel									
Frequency (MHz)				50250	50350	51050	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.73	22.77	22.72	23.5	0.0	
Channel									
Frequency (MHz)				50200	50700	51200	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.77	22.86	22.72	23.5	0.0	
Channel									
Frequency (MHz)				50150	50700	51250	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.73	22.82	22.82	23.5	0.0	
Channel									
Frequency (MHz)				50100	50700	51300	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.77	22.81	22.82	23.5	0.0	
Channel									
Frequency (MHz)				50050	50300	51350	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.82	22.86	22.82	23.5	0.0	



n7_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				2520	2535	2550	
40	PI2 BPSK	1	1	20.40	20.49	20.32	
40	PI2 BPSK	1	108	20.38	20.43	20.46	21.5
40	PI2 BPSK	1	214	20.33	20.37	20.34	0.0
40	PI2 BPSK	108	0	20.39	20.39	20.38	21.5
40	PI2 BPSK	108	54	20.41	20.41	20.40	21.5
40	PI2 BPSK	108	108	20.30	20.37	20.35	21.5
40	PI2 BPSK	216	0	20.33	20.39	20.42	0.0
40	QPSK	1	1	20.45	20.50	20.47	
40	QPSK	1	108	20.44	20.40	20.33	21.5
40	QPSK	1	214	20.44	20.43	20.34	
40	QPSK	108	0	20.34	20.44	20.34	21.5
40	QPSK	108	54	20.42	20.47	20.45	21.5
40	QPSK	108	108	20.40	20.37	20.44	21.5
40	QPSK	216	0	20.34	20.43	20.33	21.5
40	16QAM	1	1	20.38	20.48	20.32	21.5
40	64QAM	1	1	19.81	19.87	19.82	21.5
40	256QAM	1	1	18.29	18.34	18.20	19.5
Channel							
Frequency (MHz)				503500	507000	510500	
35	QPSK	1	1	20.40	20.36	20.36	21.5
Channel							
Frequency (MHz)				503000	507000	511000	
30	QPSK	1	1	20.30	20.30	20.44	21.5
Channel							
Frequency (MHz)				505500	507000	511500	
25	QPSK	1	1	20.38	20.47	20.40	21.5
Channel							
Frequency (MHz)				502000	507000	512000	
20	QPSK	1	1	20.38	20.48	20.46	21.5
Channel							
Frequency (MHz)				501500	507000	512500	
15	QPSK	1	1	20.44	20.36	20.43	21.5
Channel							
Frequency (MHz)				501000	507000	513000	
10	QPSK	1	1	20.39	20.40	20.46	21.5
Channel							
Frequency (MHz)				500500	507000	513500	
5	QPSK	1	1	20.37	20.36	20.37	21.5

n25_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				375200	376500	376900	
40	PI2 BPSK	1	1	22.58	22.64	22.68	
40	PI2 BPSK	1	108	22.61	22.76	22.62	23.5
40	PI2 BPSK	1	214	22.57	22.70	22.64	0.0
40	PI2 BPSK	108	0	22.60	22.78	22.56	23.5
40	PI2 BPSK	108	54	22.59	22.67	22.62	23.5
40	PI2 BPSK	108	108	22.59	22.62	22.65	23.5
40	PI2 BPSK	216	0	22.55	22.65	22.62	0.0
40	QPSK	1	1	22.59	22.77	22.59	
40	QPSK	1	108	22.56	22.65	22.57	23.5
40	QPSK	1	214	22.57	22.70	22.65	
40	QPSK	108	0	22.28	22.32	22.28	23.0
40	QPSK	108	54	22.51	22.67	22.55	23.5
40	QPSK	108	108	22.11	22.26	22.20	23.0
40	QPSK	216	0	22.19	22.27	22.17	23.0
40	16QAM	1	1	22.07	22.22	22.13	23.0
40	64QAM	1	1	20.60	20.76	20.61	21.5
40	256QAM	1	1	18.68	18.70	18.59	19.5
Channel							
Frequency (MHz)				373500	376500	379500	
35	QPSK	1	1	22.53	22.64	22.61	23.5
Channel							
Frequency (MHz)				373000	376500	380000	
30	QPSK	1	1	22.60	22.62	22.62	23.5
Channel							
Frequency (MHz)				372500	376500	380500	
25	QPSK	1	1	22.83	22.71	22.62	23.5
Channel							
Frequency (MHz)				372000	376500	381000	
20	QPSK	1	1	22.54	22.71	22.61	23.5
Channel							
Frequency (MHz)				371500	376500	381500	
15	QPSK	1	1	22.53	22.75	22.65	23.5
Channel							
Frequency (MHz)				371000	376500	382000	
10	QPSK	1	1	22.65	22.65	22.62	23.5
Channel							
Frequency (MHz)				370500	376500	382500	
5	QPSK	1	1	22.66	22.70	22.63	23.5

n25_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				1870	1882.5	1895	
40	PI2 BPSK	1	1	22.78	22.90	22.87	
40	PI2 BPSK	1	108	22.69	22.82	22.68	24.0
40	PI2 BPSK	1	214	22.80	22.88	22.74	0.0
40	PI2 BPSK	108	0	22.43	22.47	22.39	23.5
40	PI2 BPSK	108	54	22.83	22.93	22.79	24.0
40	PI2 BPSK	108	108	22.27	22.42	22.27	23.5
40	PI2 BPSK	216	0	22.39	22.49	22.37	0.0
40	QPSK	1	1	22.91	22.99	22.95	
40	QPSK	1	108	22.90	22.91	22.76	24.0
40	QPSK	1	214	22.86	22.94	22.85	
40	QPSK	108	0	21.77	21.87	21.80	23.0
40	QPSK	108	54	22.53	22.68	22.75	24.0
40	QPSK	108	108	21.78	21.90	21.75	23.0
40	QPSK	216	0	21.82	21.93	21.81	23.0
40	16QAM	1	1	21.84	21.92	21.84	23.0
40	64QAM	1	1	20.44	20.45	20.43	21.5
40	256QAM	1	1	18.50	18.56	18.45	19.5
Channel							
Frequency (MHz)				375000	376500	379000	
35	QPSK	1	1	22.53	22.60	22.65	24.0
Channel							
Frequency (MHz)				375000	376500	380000	
30	QPSK	1	1	22.70	22.63	22.63	24.0
Channel							
Frequency (MHz)				375000	376500	380500	
25	QPSK	1	1	22.85	22.94	22.89	24.0
Channel							
Frequency (MHz)				375000	376500	381000	
20	QPSK	1	1	22.76	22.84	22.81	24.0
Channel							
Frequency (MHz)				375000	376500	381500	
15	QPSK	1	1	22.77	22.83	22.83	24.0
Channel							
Frequency (MHz)				375000	376500	382000	
10	QPSK	1	1	22.85	22.85	22.83	24.0
Channel							
Frequency (MHz)				375000	376500	382500	
5	QPSK	1	1	22.78	22.94	22.81	24.0



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					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.15			24.0	0.0	
10	Pl2 BPSK	1	26	23.09					
10	Pl2 BPSK	1	50	23.12			23.5	0.5	
10	Pl2 BPSK	25	0	22.67			24.0	0.0	
10	Pl2 BPSK	25	14	23.13			24.0	0.0	
10	Pl2 BPSK	25	27	22.69					
10	Pl2 BPSK	50	0	22.65			23.5	0.5	
10	QPSK	1	1	23.18					
10	QPSK	1	26	23.12			24.0	0.0	
10	QPSK	1	50	23.07					
10	QPSK	25	0	22.22			23.0	1.0	
10	QPSK	25	14	23.10			24.0	0.0	
10	QPSK	25	27	22.18					
10	QPSK	50	0	22.15			23.0	1.0	
10	16QAM	1	1	22.00			23.0	1.0	
10	16QAM	1	1	20.55			21.5	2.5	
10	256QAM	1	1	18.53			18.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	22.97	23.11	22.99	24.0	0.0	

n30_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	21.50			22.5	0.0	
10	Pl2 BPSK	1	26	21.46					
10	Pl2 BPSK	1	50	21.42			22.5	0.0	
10	Pl2 BPSK	25	0	21.20			22.5	0.0	
10	Pl2 BPSK	25	14	21.49			22.5	0.0	
10	Pl2 BPSK	25	27	21.35					
10	Pl2 BPSK	50	0	20.90			22.5	0.0	
10	QPSK	1	1	21.61					
10	QPSK	1	26	21.52			22.5	0.0	
10	QPSK	1	50	21.51					
10	QPSK	25	0	21.37			22.5	0.0	
10	QPSK	25	14	21.50			22.5	0.0	
10	QPSK	25	27	21.22					
10	QPSK	50	0	21.43			22.5	0.0	
10	16QAM	1	1	21.52			22.5	0.0	
10	16QAM	1	1	20.22			21.5	1.0	
10	256QAM	1	1	18.20			18.5	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2147.5	2150	2152.5	22.5	0.0	
5	QPSK	1	1	21.35	21.52	21.46	22.5	0.0	

n66_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				345000					
Frequency (MHz)				1730					
40	Pl2 BPSK	1	1	23.28	23.40	23.30			
40	Pl2 BPSK	1	108	23.31	23.32	23.27	24.0	0.0	
40	Pl2 BPSK	1	214	23.27	23.38	23.31			
40	Pl2 BPSK	108	0	22.91	22.94	22.87	23.5	0.5	
40	Pl2 BPSK	108	54	23.37	23.41	23.34	24.0	0.0	
40	Pl2 BPSK	108	108	22.86	22.90	22.86			
40	Pl2 BPSK	216	0	22.91	22.97	22.92	23.5	0.5	
40	QPSK	1	1	23.36	23.44	23.30			
40	QPSK	1	108	23.32	23.40	23.27	24.0	0.0	
40	QPSK	1	214	23.29	23.37	23.29			
40	QPSK	108	0	22.24	22.38	22.37	23.0	1.0	
40	QPSK	108	54	23.34	23.40	23.26	24.0	0.0	
40	QPSK	108	108	22.24	22.33	22.18			
40	QPSK	216	0	22.30	22.35	22.24	23.0	1.0	
40	16QAM	1	1	22.34	22.37	22.34	23.0	1.0	
40	16QAM	1	1	20.75	20.85	20.79	21.5	2.5	
40	256QAM	1	1	18.69	18.80	18.69	18.5	4.5	
Channel				345500	346000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	23.29	23.39	23.22	24.0	0.0	
Channel				345000	346000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.21	22.34	22.18	24.0	0.0	
Channel				345500	346000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.31	23.31	23.23	24.0	0.0	
Channel				345000	346000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1750			
20	QPSK	1	1	23.21	23.38	23.25	24.0	0.0	
Channel				343500	346000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.27	23.32	23.17	24.0	0.0	
Channel				343000	346000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.28	23.34	23.24	24.0	0.0	
Channel				342500	346000	350500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.21	23.31	23.22	24.0	0.0	



n66_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000	345000	350000			
Frequency (MHz)				1730	1745	1760			
40	Pl2 BPSK	1	1	22.93	22.95	22.92			
40	Pl2 BPSK	1	108	22.89	23.00	22.90	24.0	0.0	
40	Pl2 BPSK	1	214	22.90	22.91	22.94			
40	Pl2 BPSK	108	0	22.51	22.57	22.96	23.5	0.5	
40	Pl2 BPSK	108	54	22.90	22.94	22.87	24.0	0.0	
40	Pl2 BPSK	108	108	22.36	22.51	22.48			
40	Pl2 BPSK	216	0	22.33	22.48	22.36	23.5	0.5	
40	QPSK	1	1	22.97	23.02	22.90			
40	QPSK	1	108	22.87	23.00	22.85	24.0	0.0	
40	QPSK	1	214	22.94	22.97	22.84			
40	QPSK	108	0	22.98	22.99	22.96	23.0	1.0	
40	QPSK	108	54	22.88	22.98	22.97	24.0	0.0	
40	QPSK	108	108	22.09	22.10	21.97			
40	QPSK	216	0	22.01	22.05	21.97	23.0	1.0	
40	16QAM	1	1	21.91	21.96	21.91	23.0	1.0	
40	16QAM	1	1	20.40	20.55	20.42	21.5	2.5	
40	256QAM	1	1	18.44	18.58	18.48	19.5	4.5	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	22.91	22.90	22.80	24.0	0.0	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.99	22.91	22.86	24.0	0.0	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.88	22.84	22.76	24.0	0.0	
Channel				345000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.90	22.91	22.85	24.0	0.0	
Channel				343000	345000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.97	22.98	22.76	24.0	0.0	
Channel				343000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.84	22.86	22.76	24.0	0.0	
Channel				343000	345000	350000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.83	22.94	22.79	24.0	0.0	

n70_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				345000					
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1	23.40					
15	Pl2 BPSK	1	40	23.33			24.0	0.0	
15	Pl2 BPSK	1	77	23.35					
15	Pl2 BPSK	36	0	22.88			23.5	0.5	
15	Pl2 BPSK	36	22	23.35			24.0	0.0	
15	Pl2 BPSK	36	43	22.85			23.5	0.5	
15	Pl2 BPSK	75	0	22.90					
15	QPSK	1	1	23.42					
15	QPSK	1	40	23.35			24.0	0.0	
15	QPSK	1	77	23.31					
15	QPSK	36	0	22.50			23.0	1.0	
15	QPSK	36	22	23.37			24.0	0.0	
15	QPSK	36	43	22.44					
15	QPSK	75	0	22.48			23.0	1.0	
15	16QAM	1	1	22.49			23.0	1.0	
15	16QAM	1	1	21.00			21.5	2.5	
15	256QAM	1	1	19.00			19.5	4.5	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1722.5	1705			
10	QPSK	1	1	23.32	23.36	23.30	24.0	0.0	
Channel				339000	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.31	23.35	23.31	24.0	0.0	

n70_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				345000					
Frequency (MHz)				1702.5					
15	Pl2 BPSK	1	1	22.87					
15	Pl2 BPSK	1	40	22.89			23.5	0.0	
15	Pl2 BPSK	1	77	22.79					
15	Pl2 BPSK	36	0	22.74			23.5	0.0	
15	Pl2 BPSK	36	22	22.77			24.0	0.0	
15	Pl2 BPSK	36	43	22.76			23.5	0.0	
15	Pl2 BPSK	75	0	22.75					
15	QPSK	1	1	22.90					
15	QPSK	1	40	22.89			23.5	0.0	
15	QPSK	1	77	22.85					
15	QPSK	36	0	22.40			23.0	0.5	
15	QPSK	36	22	22.70			23.5	0.0	
15	QPSK	36	43	22.41					
15	QPSK	75	0	22.48			23.0	0.5	
15	16QAM	1	1	22.38			23.0	0.5	
15	16QAM	1	1	20.90			21.5	2.0	
15	256QAM	1	1	18.85			19.5	4.0	
Channel				340000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1722.5	1705			
10	QPSK	1	1	22.76	22.75	22.75	23.5	0.0	
Channel				339000	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.74	22.74	22.68	23.5	0.0	



n38_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
518004 519000 519996										
40	Pl2 BPSK	1	1	22.57	22.53	22.58	23.5	0.0		
40	Pl2 BPSK	1	53	22.51	22.65	22.47	23.5	0.0		
40	Pl2 BPSK	1	104	22.45	22.62	22.47	23.5	0.0		
40	Pl2 BPSK	50	0	22.53	22.53	22.59	23.5	0.0		
40	Pl2 BPSK	50	28	22.47	22.61	22.61	23.5	0.0		
40	Pl2 BPSK	50	56	22.46	22.56	22.47	23.5	0.0		
40	Pl2 BPSK	100	0	22.52	22.63	22.50	23.5	0.0		
40	QPSK	1	1	22.50	22.56	22.52	23.5	0.0		
40	QPSK	1	53	22.48	22.58	22.55	23.5	0.0		
40	QPSK	1	104	22.47	22.59	22.47	23.5	0.0		
40	QPSK	50	0	22.39	22.49	22.36	23.5	0.0		
40	QPSK	50	28	22.44	22.63	22.52	23.5	0.0		
40	QPSK	50	56	22.43	22.45	22.30	23.5	0.0		
40	QPSK	100	0	22.29	22.40	22.35	23.5	0.0		
40	16QAM	1	1	22.38	22.48	22.39	23.5	0.0		
40	16QAM	1	1	20.96	21.00	20.94	20.0	1.5		
40	256QAM	1	1	18.84	18.96	18.87	20.0	3.5		
Channel										
Frequency (MHz)										
517002 519000 520998										
30	QPSK	1	1	2582.01	2595	2604.99	23.5	0.0		
Channel										
Frequency (MHz)										
518504 519000 521496										
25	QPSK	1	1	2582.62	2595	2607.48	23.5	0.0		
Channel										
Frequency (MHz)										
2580 2595 2610										
20	QPSK	1	1	22.47	22.65	22.47	23.5	0.0		
Channel										
Frequency (MHz)										
515002 519000 522498										
15	QPSK	1	1	22.55	22.53	22.56	23.5	0.0		
Channel										
Frequency (MHz)										
518004 519000 522998										
10	QPSK	1	1	2575.02	2595	2614.98	23.5	0.0		

n38_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
518004 519000 519996										
40	Pl2 BPSK	1	1	20.19	20.24	20.22	21.5	0.0		
40	Pl2 BPSK	1	53	20.16	20.21	20.15	21.5	0.0		
40	Pl2 BPSK	1	104	20.13	20.21	20.29	21.5	0.0		
40	Pl2 BPSK	50	0	20.20	20.34	20.22	21.5	0.0		
40	Pl2 BPSK	50	28	20.21	20.24	20.28	21.5	0.0		
40	Pl2 BPSK	50	56	20.23	20.20	20.20	21.5	0.0		
40	Pl2 BPSK	100	0	20.25	20.33	20.28	21.5	0.0		
40	QPSK	1	1	20.28	20.35	20.30	21.5	0.0		
40	QPSK	1	53	20.25	20.27	20.17	21.5	0.0		
40	QPSK	1	104	20.23	20.26	20.15	21.5	0.0		
40	QPSK	50	0	20.13	20.25	20.21	21.5	0.0		
40	QPSK	50	28	20.21	20.30	20.24	21.5	0.0		
40	QPSK	50	56	20.20	20.22	20.15	21.5	0.0		
40	QPSK	100	0	20.23	20.28	20.24	21.5	0.0		
40	16QAM	1	1	20.22	20.21	20.17	21.5	0.0		
40	16QAM	1	1	20.19	20.20	20.12	21.5	0.0		
40	256QAM	1	1	18.03	18.18	18.10	19.5	2.0		
Channel										
Frequency (MHz)										
517002 519000 520998										
30	QPSK	1	1	2582.01	2595	2604.99	23.5	0.0		
Channel										
Frequency (MHz)										
518504 519000 521496										
25	QPSK	1	1	2582.62	2595	2607.48	23.5	0.0		
Channel										
Frequency (MHz)										
2580 2595 2610										
20	QPSK	1	1	20.14	20.29	20.15	21.5	0.0		
Channel										
Frequency (MHz)										
515002 519000 522498										
15	QPSK	1	1	20.18	20.20	20.28	21.5	0.0		
Channel										
Frequency (MHz)										
518004 519000 522998										
10	QPSK	1	1	20.25	20.27	20.20	21.5	0.0		

FCC_n41_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
2548.01 2592.99 2592.99										
100	Pl2 BPSK	1	1	22.91	22.93	22.86	23.5	0.0		
100	Pl2 BPSK	1	137	22.83	22.88	22.84	23.5	0.0		
100	Pl2 BPSK	1	271	22.78	22.85	22.91	23.5	0.0		
100	Pl2 BPSK	135	0	22.77	22.97	22.86	23.5	0.0		
100	Pl2 BPSK	135	69	22.84	22.88	22.85	23.5	0.0		
100	Pl2 BPSK	135	138	22.91	22.97	22.83	23.5	0.0		
100	Pl2 BPSK	270	0	22.80	22.92	22.87	23.5	0.0		
100	QPSK	1	1	22.92	23.00	22.95	23.5	0.0		
100	QPSK	1	137	22.77	22.97	22.88	23.5	0.0		
100	QPSK	1	271	22.79	22.89	22.80	23.5	0.0		
100	QPSK	135	0	22.91	22.99	22.92	23.5	0.0		
100	QPSK	135	69	22.89	22.94	22.88	23.5	0.0		
100	QPSK	135	138	22.82	22.95	22.82	23.5	0.0		
100	QPSK	270	0	22.90	22.97	22.84	23.5	0.0		
100	16QAM	1	1	22.79	22.88	22.86	23.5	0.0		
100	16QAM	1	1	22.84	22.95	22.85	23.5	0.0		
100	256QAM	1	1	22.38	22.40	22.33	23.0	0.5		
Channel										
Frequency (MHz)										
506200 518598 528998										
90	QPSK	1	1	2241	2522.99	2624.98	23.5	0.0		
Channel										
Frequency (MHz)										
507204 518598 529998										
80	QPSK	1	1	22.85	22.88	22.80	23.5	0.0		
Channel										
Frequency (MHz)										
2531.01 2592.99 2605										
70	QPSK	1	1	22.81	22.97	22.86	23.5	0.0		
Channel										
Frequency (MHz)										
505200 518598 531998										
60	QPSK	1	1	22.78	22.95	22.82	23.5	0.0		
Channel										
Frequency (MHz)										
2543.02 2592.99 2604.98										
50	QPSK	1	1	22.59	22.92	22.93	23.5	0.0		
Channel										
Frequency (MHz)										
2516.01 2592.99 2610										
40	QPSK	1	1	22.80	22.99	22.81	23.5	0.0		
Channel										
Frequency (MHz)										
502200 518598 533998										
30	QPSK	1	1	22.78	22.91	22.87	23.5	0.0		
Channel										
Frequency (MHz)										
2528.01 2592.99 2617.5										
25	QPSK	1	1	22.70	22.94	22.98	23.5	0.0		
Channel										
Frequency (MHz)										
2506.02 2592.99 2619.98										
20	QPSK	1	1	22.83	22.97	22.89	23.5	0.0		
Channel										
Frequency (MHz)										
2503.5 2592.99 2622.48										
15	QPSK	1	1	22.89	22.90	22.91	23.5	0.0		
Channel										
Frequency (MHz)										
502200 518598 537000										
10	QPSK	1	1	22.91	22.97	22.81	23.5	0.0		



FCC_n41(HPUE)_Ant 2

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				50202	51898	52802		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	25.58	25.64	25.66		
100	PI2 BPSK	1	137	25.65	25.63	25.59	26.5	0.0
100	PI2 BPSK	1	271	25.58	25.61	25.59		
100	PI2 BPSK	135	0	25.62	25.71	25.57	26.5	0.0
100	PI2 BPSK	135	69	25.53	25.70	25.68	26.5	0.0
100	PI2 BPSK	135	138	25.57	25.64	25.55	26.5	0.0
100	PI2 BPSK	270	0	25.58	25.73	25.58		
100	QPSK	1	1	25.68	25.75	25.71		
100	QPSK	1	137	25.54	25.68	25.67	26.5	0.0
100	QPSK	1	271	25.57	25.62	25.68		
100	QPSK	135	0	25.41	25.47	25.31	26.5	0.0
100	QPSK	135	69	25.75	25.73	25.71	26.5	0.0
100	QPSK	135	138	25.17	25.23	25.07	26.5	0.0
100	QPSK	270	0	25.37	25.43	25.26	26.5	0.0
100	16QAM	1	1	25.94	25.58	25.41	26.5	0.0
100	64QAM	1	1	24.11	24.14	23.95	23.0	1.5
100	256QAM	1	1	22.11	22.13	21.95	23.0	3.5
Channel								
Frequency (MHz)				508200	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2741	2592.99	2644.98		
90	QPSK	1	1	25.65	25.74	25.61	25.5	0.0
Channel								
Frequency (MHz)				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2636.02	2592.99	2648.98		
80	QPSK	1	1	25.54	25.61	25.65	26.5	0.0
Channel								
Frequency (MHz)				505202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.56	25.63	25.61	26.5	0.0
Channel								
Frequency (MHz)				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2486	2592.99	2669.98		
60	QPSK	1	1	25.51	25.63	25.65	26.5	0.0
Channel								
Frequency (MHz)				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2321.02	2592.99	2684.98		
50	QPSK	1	1	25.53	25.63	25.55	23.5	0.0
Channel								
Frequency (MHz)				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.59	25.70	25.69	26.5	0.0
Channel								
Frequency (MHz)				502200	518998	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.53	25.71	25.55	26.5	0.0
Channel								
Frequency (MHz)				501702	518998	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.51	2592.99	2677.5		
25	QPSK	1	1	25.67	25.69	25.66	25.5	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.98		
20	QPSK	1	1	25.58	25.74	25.64	26.5	0.0
Channel								
Frequency (MHz)				500700	518998	536500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.62	25.63	25.59	26.5	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.91	2592.99	2685		
10	QPSK	1	1	25.58	25.70	25.59	26.5	0.0



FCC_n41_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.25	20.36	20.29			
100	PI2 BPSK	1	137	20.36	20.30	20.30	21.5	0.0	
100	PI2 BPSK	1	271	20.33	20.35	20.25			
100	PI2 BPSK	135	0	20.36	20.38	20.22	21.5	0.0	
100	PI2 BPSK	135	69	20.36	20.41	20.32	21.5	0.0	
100	PI2 BPSK	135	138	20.36	20.40	20.25			
100	PI2 BPSK	270	0	20.27	20.34	20.28	21.5	0.0	
100	QPSK	1	1	20.32	20.32	20.35			
100	QPSK	1	137	20.28	20.34	20.21	21.5	0.0	
100	QPSK	1	271	20.27	20.41	20.22			
100	QPSK	135	0	20.35	20.35	20.15	21.5	0.0	
100	QPSK	135	69	20.29	20.30	20.30	21.5	0.0	
100	QPSK	135	138	20.29	20.27	20.31			
100	QPSK	270	0	20.24	20.34	20.20	21.5	0.0	
100	16QAM	1	1	20.30	20.32	20.21	21.5	0.0	
100	64QAM	1	1	20.34	20.29	20.22	21.5	0.0	
100	256QAM	1	1	20.30	20.30	20.26	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.32	20.30	20.33	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.36	20.31	20.31	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.32	20.41	20.20	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.25	20.37	20.29	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.24	20.34	20.22	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.32	20.28	20.30	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.30	20.29	20.27	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.25	20.30	20.31	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.26	20.34	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.36	20.29	20.20	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.37	20.30	20.26	21.5	0.0	

FCC_n41(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.51	23.54	23.56			
100	PI2 BPSK	1	137	23.39	23.60	23.53	24.5	0.0	
100	PI2 BPSK	1	271	23.43	23.56	23.44			
100	PI2 BPSK	135	0	23.44	23.48	23.45	24.5	0.0	
100	PI2 BPSK	135	69	23.47	23.51	23.54	24.5	0.0	
100	PI2 BPSK	135	138	23.50	23.50	23.45			
100	PI2 BPSK	270	0	23.42	23.61	23.43	24.5	0.0	
100	QPSK	1	1	23.55	23.52	23.57			
100	QPSK	1	137	23.51	23.49	23.45	24.5	0.0	
100	QPSK	1	271	23.45	23.55	23.49			
100	QPSK	135	0	23.46	23.60	23.42	24.5	0.0	
100	QPSK	135	69	23.49	23.51	23.54	24.5	0.0	
100	QPSK	135	138	23.38	23.55	23.45			
100	QPSK	270	0	23.48	23.50	23.43	24.5	0.0	
100	16QAM	1	1	23.49	23.54	23.54	24.5	0.0	
100	64QAM	1	1	23.39	23.46	23.22	24.5	0.0	
100	256QAM	1	1	21.24	21.55	21.32	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.43	23.51	23.41	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.45	23.49	23.53	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.39	23.48	23.46	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.44	23.56	23.51	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.37	23.47	23.45	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.51	23.61	23.50	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.38	23.50	23.50	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.35	23.54	23.53	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.42	23.50	23.45	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.42	23.58	23.49	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.52	23.57	23.46	24.5	0.0	



n48_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)									
40	PI2 BPSK	1	1	19.74	19.80	19.87	20.5	0.0	
40	PI2 BPSK	1	53	19.74	19.82	19.86	20.5	0.0	
40	PI2 BPSK	1	104	19.71	19.83	19.88	20.5	0.0	
40	PI2 BPSK	50	0	19.76	19.76	19.79	20.5	0.0	
40	PI2 BPSK	50	28	19.70	19.71	19.85	20.5	0.0	
40	PI2 BPSK	50	56	19.83	19.81	19.70	20.5	0.0	
40	PI2 BPSK	100	0	19.72	19.83	19.77	20.5	0.0	
40	QPSK	1	1	19.75	19.85	19.80	20.5	0.0	
40	QPSK	1	53	19.72	19.77	19.79	20.5	0.0	
40	QPSK	50	0	19.74	19.75	19.72	20.5	0.0	
40	QPSK	50	28	19.66	19.77	19.77	20.5	0.0	
40	QPSK	50	56	19.75	19.82	19.69	20.5	0.0	
40	QPSK	100	0	19.85	19.80	19.79	20.5	0.0	
40	64QAM	1	1	19.87	19.77	19.76	20.5	0.0	
40	64QAM	1	1	19.73	19.77	19.76	20.5	0.0	
40	256QAM	1	1	19.84	19.80	19.86	19.5	1.0	
Channel				637000	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.76	19.84	19.86	20.5	0.0	
Channel				638200	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.80	19.84	19.86	20.5	0.0	
Channel				639400	641000	645000			
Frequency (MHz)									
20	QPSK	1	1	19.74	19.75	19.79	20.5	0.0	
Channel				638100	641000	645000			
Frequency (MHz)									
15	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				637000	641000	645332			
Frequency (MHz)									
10	QPSK	1	1	19.66	19.78	19.77	20.5	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				638000	641666	645332			
Frequency (MHz)									
40	PI2 BPSK	1	1	19.64	19.69	19.56	20.5	0.0	
40	PI2 BPSK	1	53	19.66	19.58	19.41	20.5	0.0	
40	PI2 BPSK	1	104	19.53	19.50	19.36	20.5	0.0	
40	PI2 BPSK	50	0	19.42	19.43	19.40	20.5	0.0	
40	PI2 BPSK	50	28	19.58	19.58	19.50	20.5	0.0	
40	PI2 BPSK	50	56	19.44	19.44	19.44	20.5	0.0	
40	PI2 BPSK	100	0	19.51	19.51	19.37	20.5	0.0	
40	QPSK	1	1	19.73	19.70	19.57	20.5	0.0	
40	QPSK	1	53	19.66	19.66	19.59	20.5	0.0	
40	QPSK	50	0	19.52	19.53	19.50	20.5	0.0	
40	QPSK	50	28	19.55	19.55	19.51	20.5	0.0	
40	QPSK	50	56	19.56	19.54	19.54	20.5	0.0	
40	QPSK	100	0	19.56	19.52	19.51	20.5	0.0	
40	64QAM	1	1	19.52	19.48	19.54	20.5	0.0	
40	64QAM	1	1	19.68	19.67	19.60	20.5	0.0	
40	256QAM	1	1	19.83	19.82	19.83	19.5	1.0	
Channel				637000	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.62	19.63	19.58	20.5	0.0	
Channel				638200	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.60	19.64	19.60	20.5	0.0	
Channel				639400	641000	645000			
Frequency (MHz)									
20	QPSK	1	1	19.67	19.68	19.65	20.5	0.0	
Channel				638100	641000	645000			
Frequency (MHz)									
15	QPSK	1	1	19.66	19.67	19.67	20.5	0.0	
Channel				637000	641000	645332			
Frequency (MHz)									
10	QPSK	1	1	19.66	19.68	19.53	20.5	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				638000	641666	645332			
Frequency (MHz)									
40	PI2 BPSK	1	1	19.06	19.06	19.06	20.0	0.0	
40	PI2 BPSK	1	53	18.91	19.01	18.83	20.0	0.0	
40	PI2 BPSK	1	104	18.87	19.00	18.84	20.0	0.0	
40	PI2 BPSK	50	0	18.88	19.05	18.96	20.0	0.0	
40	PI2 BPSK	50	28	18.82	19.06	18.87	20.0	0.0	
40	PI2 BPSK	50	56	18.79	18.96	18.80	20.0	0.0	
40	PI2 BPSK	100	0	18.80	18.96	18.77	20.0	0.0	
40	QPSK	1	1	19.07	19.20	19.11	20.0	0.0	
40	QPSK	1	53	18.86	19.14	19.03	20.0	0.0	
40	QPSK	50	0	18.89	19.03	18.92	20.0	0.0	
40	QPSK	50	28	18.85	19.03	18.85	20.0	0.0	
40	QPSK	50	56	18.88	19.01	18.93	20.0	0.0	
40	QPSK	100	0	18.85	19.05	18.83	20.0	0.0	
40	64QAM	1	1	19.07	19.14	18.96	20.0	0.0	
40	64QAM	1	1	19.07	19.05	18.96	20.0	0.0	
40	256QAM	1	1	19.06	19.09	19.08	19.5	0.5	
Channel				637000	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.06	19.13	18.96	20.0	0.0	
Channel				638200	641000	645000			
Frequency (MHz)									
30	QPSK	1	1	19.00	19.13	18.90	20.0	0.0	
Channel				639400	641000	645000			
Frequency (MHz)									
20	QPSK	1	1	19.07	19.13	18.96	20.0	0.0	
Channel				638100	641000	645000			
Frequency (MHz)									
15	QPSK	1	1	19.01	19.07	18.99	20.0	0.0	
Channel				637000	641000	645332			
Frequency (MHz)									
10	QPSK	1	1	19.04	19.12	18.99	20.0	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)				63600	64166	64532		
Channel				63600	64166	64532		
40	PQZ BPSK	1	1	19.53	19.71	19.83		
40	PQZ BPSK	1	83	19.51	19.68	19.54	20.5	0.0
40	PQZ BPSK	1	104	19.58	19.84	19.54		
40	PQZ BPSK	50	0	19.53	19.65	19.48	20.5	0.0
40	PQZ BPSK	50	26	19.50	19.70	19.82	20.5	0.0
40	PQZ BPSK	50	56	19.51	19.85	19.48	20.5	0.0
40	PQZ BPSK	100	0	19.45	19.93	19.53		
40	QPSK	1	1	19.70	19.84	19.78	20.5	0.0
40	QPSK	1	53	19.64	19.74	19.63		
40	QPSK	50	0	19.63	19.70	19.83	20.5	0.0
40	QPSK	50	26	19.71	19.78	19.73	20.5	0.0
40	QPSK	50	56	19.62	19.85	19.63	20.5	0.0
40	QPSK	100	0	19.50	19.70	19.83		
40	8QAM	1	1	19.72	19.75	19.63	20.5	0.0
40	8QAM	1	1	19.65	19.72	19.69	20.5	0.0
40	256QAM	1	1	19.59	19.69	19.58	19.5	1.0
Channel								
Frequency (MHz)				35700	35700	35700		
Channel				35552	35649	35849		
30	QPSK	1	1	19.72	19.74	19.66	20.5	0.0
Channel								
Frequency (MHz)				35700	35700	35700		
Channel				35501	35649	3600		
20	QPSK	1	1	19.66	19.73	19.65	20.5	0.0
Channel								
Frequency (MHz)				35700	35700	35700		
Channel				35572	35649	35694		
15	QPSK	1	1	19.71	19.75	19.71	20.5	0.0
Channel								
Frequency (MHz)				35700	35700	35700		
10	QPSK	1	1	19.66	19.73	19.73	20.5	0.0

Part27Q_n77_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63300	63332	63332		
Channel								
Frequency (MHz)				3495	3499	3504		
90	QPSK	1	1	19.87	19.89	19.89	20.5	0.0
Channel								
Frequency (MHz)				3495	3499	3504		
Channel				3490.02	3499.98	3510		
80	QPSK	1	1	19.87	19.71	19.77	20.5	0.0
Channel								
Frequency (MHz)				3485.01	3499.98	3514.98		
Channel								
Frequency (MHz)				3485.01	3499.98	3514.98		
70	QPSK	1	1	19.73	19.70	19.78	20.5	0.0
Channel								
Frequency (MHz)				3480	3499.98	3519.98		
Channel								
Frequency (MHz)				3475.02	3499.98	3520		
60	QPSK	1	1	19.87	19.70	19.77	20.5	0.0
Channel								
Frequency (MHz)				3475.02	3499.98	3520		
Channel								
Frequency (MHz)				3470.01	3499.98	3520.98		
40	QPSK	1	1	19.75	19.74	19.80	20.5	0.0
Channel								
Frequency (MHz)				3465	3499.98	3534.98		
Channel								
Frequency (MHz)				3465.01	3499.98	3534.98		
30	QPSK	1	1	19.69	19.75	19.76	20.5	0.0
Channel								
Frequency (MHz)				3460.01	3499.98	3537.48		
25	QPSK	1	1	19.68	19.76	19.62	20.5	0.0
Channel								
Frequency (MHz)				3455.02	3499.98	3540		
Channel								
Frequency (MHz)				3450.02	3499.98	3540		
20	QPSK	1	1	19.72	19.72	19.78	20.5	0.0
Channel								
Frequency (MHz)				3445.01	3499.98	3542.48		
Channel								
Frequency (MHz)				3440.02	3499.98	3542.48		
15	QPSK	1	1	19.66	19.73	19.73	20.5	0.0
Channel								
Frequency (MHz)				3435.01	3499.98	3544.98		
Channel								
Frequency (MHz)				3435.01	3499.98	3544.98		
10	QPSK	1	1	19.71	19.70	19.80	20.5	0.0

Part27Q_n77(HPUe)_Ant 3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Freq.]	Power Middle Ch. [Freq.]	Power High Ch. [Freq.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				63300	63332	63332		
Channel								
Frequency (MHz)				3495	3499	3504		
100	PQZ BPSK	1	1	22.45				
100	PQZ BPSK	1	137	22.43			23.5	0.0
100	PQZ BPSK	1	271	22.27				
100	PQZ BPSK	135	0	22.54			23.5	0.0
100	PQZ BPSK	135	69	22.39			23.5	0.0
100	PQZ BPSK	135	138	22.41			23.5	0.0
100	PQZ BPSK	270	0	22.28			23.5	0.0
100	QPSK	1	1	22.50				
100	QPSK	1	137	22.48			23.5	0.0
100	QPSK	1	271	22.51				
100	QPSK	135	0	22.39			23.5	0.0
100	QPSK	135	69	22.33			23.5	0.0
100	QPSK	135	138	22.48			23.5	0.0
100	QPSK	270	0	22.41			23.5	0.0
100	8QAM	1	1	22.47			23.5	0.0
100	8QAM	1	1	22.49			23.5	0.0
100	256QAM	1	1	21.42			22.5	1.0
Channel								
Frequency (MHz)				63300	63332	63332		
Channel								
Frequency (MHz)				3495	3499	3504		
90	QPSK	1	1	22.54	22.52	22.49	23.5	0.0
Channel								
Frequency (MHz)				3490.02	3499.98	3510		
80	QPSK	1	1	22.53	22.50	22.52	23.5	0.0
Channel								
Frequency (MHz)				3485.01	3499.98	3514.98		
Channel								
Frequency (MHz)				3480	3499.98	3519.98		
70	QPSK	1	1	22.57	22.50	22.52	23.5	0.0
Channel								
Frequency (MHz)				3475.02	3499.98	3520		
Channel								
Frequency (MHz)				3470.01	3499.98	3520.98		
60	QPSK	1	1	22.51	22.53	22.45	23.5	0.0
Channel								
Frequency (MHz)				3465.01	3499.98	3524.98		
Channel								
Frequency (MHz)				3460.01	3499.98	3524.98		
50	QPSK	1	1	22.56	22.54	22.48	23.5	0.0
Channel								
Frequency (MHz)				3455.01	3499.98	3529.98		
Channel								
Frequency (MHz)				3450.01	3499.98	3529.98		
40	QPSK	1	1	22.53	22.44	22.51	23.5	0.0
Channel								
Frequency (MHz)				3445.01	3499.98	3534.98		
Channel								
Frequency (MHz)				3440.01	3499.98	3534.98		
30	QPSK	1	1	22.58	22.52	22.43	23.5	0.0
Channel								
Frequency (MHz)				3435.01	3499.98	3537.48		
25	QPSK	1	1	22.54	22.43	22.47	23.5	0.0
Channel								
Frequency (MHz)				3430.02	3499.98	3540		
Channel								
Frequency (MHz)				3425.02	3499.98	3540		
20	QPSK	1	1	22.58	22.43	22.44	23.5	0.0
Channel								
Frequency (MHz)				3420.01	3499.98	3542.48		
Channel								
Frequency (MHz)				3415.01	3499.98	3544.98		
15	QPSK	1	1	22.53	22.43	22.52	23.5	0.0
Channel								
Frequency (MHz)				3410.01	3499.98	3544.98		
Channel								
Frequency (MHz)				3405.01	3499.98	3544.98		
10	QPSK	1	1	22.54	22.44	22.43	23.5	0.0



Part270_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	19.79	19.85	19.73			
100	PIQ BPSK	1	137	19.71	19.78	19.69	20.5	0.0	
100	PIQ BPSK	1	271	19.83	19.87	19.89			
100	PIQ BPSK	135	0	19.81	19.81	19.40	20.5	0.0	
100	PIQ BPSK	135	69	19.83	19.68	19.66	20.5	0.0	
100	PIQ BPSK	135	138	19.84	19.81	19.81	20.5	0.0	
100	PIQ BPSK	270	0	19.88	19.88	19.85			
100	QPSK	1	137	19.69	19.81	19.78	20.5	0.0	
100	QPSK	1	271	19.78	19.82	19.80			
100	QPSK	135	0	19.87	19.89	19.84	20.5	0.0	
100	QPSK	135	69	19.82	19.82	19.82	20.5	0.0	
100	QPSK	135	138	19.82	19.75	19.85	20.5	0.0	
100	QPSK	270	0	19.88	19.73	19.72			
100	8QAM	1	1	19.82	19.84	19.78	20.5	0.0	
100	8QAM	1	1	19.78	19.77	19.81	20.5	0.0	
100	256QAM	1	1	19.78	19.82	19.77	20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.78	19.82	19.81	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.75	19.84	19.81	20.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.77	19.80	19.83	20.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.76	19.79	19.75	20.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.75	19.83	19.77	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.76	19.79	19.76	20.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.80	19.73	19.82	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.79	19.74	19.75	20.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.78	19.80	19.79	20.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.78	19.82	19.78	20.5	0.0	

Part270_n77(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	22.73	22.81	22.75			
100	PIQ BPSK	1	137	22.86	22.68	22.54	23.5	0.0	
100	PIQ BPSK	1	271	22.80	22.68	22.87			
100	PIQ BPSK	135	0	22.86	22.88	22.82	23.5	0.0	
100	PIQ BPSK	135	69	22.85	22.68	22.87	23.5	0.0	
100	PIQ BPSK	135	138	22.87	22.82	22.88	23.5	0.0	
100	PIQ BPSK	270	0	22.83	22.82	22.80			
100	QPSK	1	1	22.80	22.68	22.81	23.5	0.0	
100	QPSK	1	137	22.71	22.80	22.87			
100	QPSK	1	271	22.85	22.83	22.71			
100	QPSK	135	0	22.85	22.70	22.80	23.5	0.0	
100	QPSK	135	69	22.85	22.70	22.80	23.5	0.0	
100	QPSK	135	138	22.88	22.84	22.89	23.5	0.0	
100	QPSK	270	0	22.88	22.87	22.88			
100	8QAM	1	1	22.73	22.78	22.75	23.5	0.0	
100	8QAM	1	1	22.87	22.73	22.71	23.5	0.0	
100	256QAM	1	1	21.74	21.79	21.82	22.5	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.74	22.82	22.78	23.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.72	22.82	22.75	23.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.69	22.78	22.73	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.73	22.79	22.74	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.72	22.82	22.87	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.73	22.82	22.87	23.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.68	22.81	22.86	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.68	22.78	22.71	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.73	22.70	22.87	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.73	22.70	22.87	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.70	22.74	22.78	23.5	0.0	



Part27Q_n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3492.98	3492.98	3492.98			
100	PI2 BPSK	1	137	20.59			21.5	0.0	
100	PI2 BPSK	1	271	20.59			21.5	0.0	
100	PI2 BPSK	135	0	20.57			21.5	0.0	
100	PI2 BPSK	135	69	20.61			21.5	0.0	
100	PI2 BPSK	135	138	20.59			21.5	0.0	
100	PI2 BPSK	270	0	20.51			21.5	0.0	
100	QPSK	1	1	20.30			21.5	0.0	
100	QPSK	1	137	20.66			21.5	0.0	
100	QPSK	1	271	20.65			21.5	0.0	
100	QPSK	135	0	20.63			21.5	0.0	
100	QPSK	135	69	20.56			21.5	0.0	
100	QPSK	135	138	20.63			21.5	0.0	
100	QPSK	270	0	20.63			21.5	0.0	
100	64QAM	1	1	20.72			21.5	0.0	
100	64QAM	1	1	20.67			21.5	0.0	
100	256QAM	1	1	20.74			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.66	20.67	20.63	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.63	20.72	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.59	20.65	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.67	20.69	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.61	20.76	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.61	20.70	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.61	20.76	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.67	20.72	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.64	20.73	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.63	20.69	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.68	20.69	20.67	21.5	0.0	

Part27Q_n77(HPUe)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3492.98	3492.98	3492.98			
100	PI2 BPSK	1	137	23.64			24.5	0.0	
100	PI2 BPSK	1	271	23.64			24.5	0.0	
100	PI2 BPSK	135	0	23.51			24.5	0.0	
100	PI2 BPSK	135	69	23.59			24.5	0.0	
100	PI2 BPSK	135	138	23.47			24.5	0.0	
100	PI2 BPSK	270	0	23.50			24.5	0.0	
100	QPSK	1	1	23.76			24.5	0.0	
100	QPSK	1	137	23.68			24.5	0.0	
100	QPSK	1	271	23.64			24.5	0.0	
100	QPSK	135	0	23.59			24.5	0.0	
100	QPSK	135	69	23.73			24.5	0.0	
100	QPSK	135	138	23.61			24.5	0.0	
100	QPSK	270	0	23.59			24.5	0.0	
100	64QAM	1	1	23.68			24.5	0.0	
100	64QAM	1	1	23.69			24.5	0.0	
100	256QAM	1	1	23.70			24.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.47	23.69	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.53	23.73	23.68	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.51	23.63	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.53	23.68	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.54	23.72	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.58	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.47	23.73	23.65	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.47	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.57	23.63	23.64	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.50	23.67	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.56	23.63	23.65	24.5	0.0	

Part27Q_n77_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3492.98	3492.98	3492.98			
100	PI2 BPSK	1	137	20.83			21.5	0.0	
100	PI2 BPSK	1	271	20.76			21.5	0.0	
100	PI2 BPSK	135	0	20.70			21.5	0.0	
100	PI2 BPSK	135	69	20.78			21.5	0.0	
100	PI2 BPSK	135	138	20.63			21.5	0.0	
100	PI2 BPSK	270	0	20.65			21.5	0.0	
100	QPSK	1	1	20.50			21.5	0.0	
100	QPSK	1	137	20.76			21.5	0.0	
100	QPSK	1	271	20.84			21.5	0.0	
100	QPSK	135	0	20.78			21.5	0.0	
100	QPSK	135	69	20.76			21.5	0.0	
100	QPSK	135	138	20.69			21.5	0.0	
100	QPSK	270	0	20.72			21.5	0.0	
100	64QAM	1	1	20.81			21.5	0.0	
100	64QAM	1	1	20.75			21.5	0.0	
100	256QAM	1	1	20.85			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.78	20.78	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.78	20.78	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.80	20.87	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.84	20.81	20.66	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.83	20.82	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.77	20.83	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.84	20.80	20.76	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.75	20.83	20.76	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.81	20.80	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.82	20.83	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.76	20.78	20.72	21.5	0.0	



Part27O_n77(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
Channel				66000	66000	66000		
Frequency (MHz)				23.90	23.90	23.90		
100	PI2 BPSK	1	1	23.49	23.48	23.41		
100	PI2 BPSK	1	137	23.39	23.42	23.37	24.5	0.0
100	PI2 BPSK	1	271	23.32	23.41	23.36		
100	PI2 BPSK	135	0	23.14	23.27	23.22	24.5	0.0
100	PI2 BPSK	135	69	23.27	23.36	23.30	24.5	0.0
100	PI2 BPSK	135	138	23.23	23.32	23.28	24.5	0.0
100	PI2 BPSK	270	0	23.14	23.30	23.28		
100	QPSK	1	1	23.02	23.03	23.02		
100	QPSK	1	137	23.44	23.41	23.46	24.5	0.0
100	QPSK	1	271	23.40	23.51	23.50		
100	QPSK	135	0	23.28	23.41	23.36	24.5	0.0
100	QPSK	135	69	23.40	23.48	23.44	24.5	0.0
100	QPSK	135	138	23.31	23.37	23.32	24.5	0.0
100	QPSK	270	0	23.26	23.36	23.37		
100	BQAM	1	1	23.46	23.57	23.44	24.5	0.0
100	BQAM	1	1	23.43	23.58	23.45	24.5	0.0
100	BQAM	1	1	21.82	21.74	21.68	22.5	2.0
Channel				66000	66000	66000		
Frequency (MHz)				3745.02	3840	3834.98		
80	QPSK	1	1	23.46	23.56	23.47	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3740.01	3840	3839.99		
80	QPSK	1	1	23.42	23.57	23.44	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3735	3840	3845		
70	QPSK	1	1	23.43	23.56	23.43	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3730.02	3840	3839.98		
60	QPSK	1	1	23.48	23.51	23.45	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3725.01	3840	3854.99		
50	QPSK	1	1	23.45	23.51	23.46	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	23.46	23.50	23.43	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3715.02	3840	3854.98		
30	QPSK	1	1	23.44	23.53	23.50	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3712.5	3840	3857.5		
25	QPSK	1	1	23.43	23.57	23.50	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3710.51	3840	3859.50		
20	QPSK	1	1	23.47	23.54	23.47	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3707.52	3840	3852.48		
15	QPSK	1	1	23.48	23.58	23.45	24.5	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3705	3840	3875		
10	QPSK	1	1	23.41	23.50	23.47	24.5	0.0



Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	PL2 BPSK	1	1	19.48	19.48	19.48	20.5	0.0
100	PL2 BPSK	1	137	19.43	19.43	19.43	20.5	0.0
100	PL2 BPSK	1	271	19.42	19.42	19.42	20.5	0.0
100	PL2 BPSK	135	0	19.29	19.29	19.29	20.5	0.0
100	PL2 BPSK	135	69	19.41	19.41	19.41	20.5	0.0
100	PL2 BPSK	135	138	19.27	19.27	19.27	20.5	0.0
100	PL2 BPSK	270	0	19.50	19.50	19.50	20.5	0.0
100	QPSK	1	1	19.50	19.50	19.50	20.5	0.0
100	QPSK	1	137	19.48	19.48	19.48	20.5	0.0
100	QPSK	1	271	19.52	19.52	19.52	20.5	0.0
100	QPSK	135	0	19.41	19.41	19.41	20.5	0.0
100	QPSK	135	69	19.25	19.25	19.25	20.5	0.0
100	QPSK	135	138	19.40	19.40	19.40	20.5	0.0
100	QPSK	270	0	19.46	19.46	19.46	20.5	0.0
100	BQAM	1	1	19.55	19.55	19.55	20.5	0.0
100	BQAM	1	1	19.50	19.50	19.50	20.5	0.0
100	BQAM	1	1	19.55	19.55	19.55	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.39	19.55	19.35	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.36	19.53	19.38	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.39	19.50	19.35	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.31	19.55	19.33	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.36	19.54	19.38	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.33	19.54	19.30	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.30	19.50	19.37	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.38	19.47	19.30	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.50	19.47	19.30	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.40	19.51	19.30	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.55	19.46	19.37	20.5	0.0



Part27Q_n77(HPUE)_Ant 6

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like Pi2 BPSK, QPSK, BQAM, and 256QAM.

Part27Q_n77_Ant 6

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like Pi2 BPSK, QPSK, BQAM, and 256QAM.

Part27Q_n77(HPUE)_Ant 6

Table with 11 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like Pi2 BPSK, QPSK, BQAM, and 256QAM.



Part27Q_n77_Ant 8									
BW (MHz)	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	20.67	20.67	20.67			
100	PI2 BPSK	1	137	20.63	20.63	20.63	21.5	0.0	
100	PI2 BPSK	1	271	20.59	20.59	20.59			
100	PI2 BPSK	135	0	20.37	20.37	20.37	21.5	0.0	
100	PI2 BPSK	135	66	20.49	20.49	20.49	21.5	0.0	
100	PI2 BPSK	135	135	20.39	20.39	20.39	21.5	0.0	
100	PI2 BPSK	270	0	20.44	20.44	20.44			
100	QPSK	1	1	20.74	20.74	20.74			
100	QPSK	1	137	20.69	20.69	20.69	21.5	0.0	
100	QPSK	1	271	20.66	20.66	20.66			
100	QPSK	135	0	20.51	20.51	20.51	21.5	0.0	
100	QPSK	135	66	20.54	20.54	20.54	21.5	0.0	
100	QPSK	135	135	20.49	20.49	20.49	21.5	0.0	
100	QPSK	270	0	20.51	20.51	20.51			
100	16QAM	1	1	20.62	20.62	20.62	21.5	0.0	
100	64QAM	1	1	20.66	20.66	20.66	21.5	0.0	
100	256QAM	1	1	20.69	20.69	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.63	20.69	20.47	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.63	20.63	20.43	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.56	20.68	20.49	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.58	20.65	20.49	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.60	20.62	20.46	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.56	20.62	20.44	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.61	20.61	20.48	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.60	20.67	20.42	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.57	20.66	20.43	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.60	20.66	20.43	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.54	20.61	20.51	21.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.50	23.50	23.50			
100	PI2 BPSK	1	137	23.43	23.43	23.43	24.5	0.0	
100	PI2 BPSK	1	271	23.44	23.44	23.44			
100	PI2 BPSK	135	0	23.43	23.43	23.43	24.5	0.0	
100	PI2 BPSK	135	66	23.46	23.46	23.46	24.5	0.0	
100	PI2 BPSK	135	135	23.31	23.31	23.31	24.5	0.0	
100	PI2 BPSK	270	0	23.41	23.41	23.41			
100	QPSK	1	1	23.63	23.63	23.63			
100	QPSK	1	137	23.57	23.57	23.57	24.5	0.0	
100	QPSK	1	271	23.54	23.54	23.54			
100	QPSK	135	0	23.49	23.49	23.49	24.5	0.0	
100	QPSK	135	66	23.56	23.56	23.56	24.5	0.0	
100	QPSK	135	135	23.45	23.45	23.45	24.5	0.0	
100	QPSK	270	0	23.51	23.51	23.51			
100	16QAM	1	1	23.57	23.57	23.57	24.5	0.0	
100	64QAM	1	1	23.48	23.48	23.48	24.5	0.0	
100	256QAM	1	1	23.34	23.34	23.34	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.46	23.56	23.50	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.44	23.57	23.44	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.48	23.62	23.52	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.50	23.68	23.52	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.43	23.63	23.43	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.52	23.67	23.52	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.50	23.48	23.46	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.51	23.49	23.47	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.46	23.51	23.47	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.49	23.50	23.49	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.43	23.49	23.50	24.5	0.0	



Part270_n77_Ant 8									
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)									
100	PIQ BPSK	1	1	20.65	20.53	20.75			
100	PIQ BPSK	1	137	20.52	20.74	20.66	21.5	0.0	
100	PIQ BPSK	1	271	20.59	20.69	20.69			
100	PIQ BPSK	135	0	20.36	20.69	20.40	21.5	0.0	
100	PIQ BPSK	135	69	20.45	20.70	20.59	21.5	0.0	
100	PIQ BPSK	135	138	20.40	20.59	20.59	21.5	0.0	
100	PIQ BPSK	270	0	20.42	20.59	20.57			
100	QPSK	1	1	20.73	20.69	20.65			
100	QPSK	1	137	20.59	20.64	20.73	21.5	0.0	
100	QPSK	1	271	20.68	20.76	20.72			
100	QPSK	135	0	20.44	20.73	20.60	21.5	0.0	
100	QPSK	135	69	20.57	20.76	20.72	21.5	0.0	
100	QPSK	135	138	20.49	20.73	20.60	21.5	0.0	
100	QPSK	270	0	20.54	20.69	20.64			
100	8QAM	1	1	20.68	20.76	20.79	21.5	0.0	
100	8QAM	1	1	20.84	20.79	20.80	21.5	0.0	
100	256QAM	1	1	20.88	20.77	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.80	20.80	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.59	20.74	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.84	20.77	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.68	20.73	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.62	20.74	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.58	20.76	20.80	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.60	20.76	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.81	20.74	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.88	20.70	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.62	20.75	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.66	20.62	20.70	21.5	0.0	

Part270_n77(HPUE)_Ant 8									
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)									
100	PIQ BPSK	1	1	23.63	23.60	23.58			
100	PIQ BPSK	1	137	23.53	23.67	23.54	24.5	0.0	
100	PIQ BPSK	1	271	23.58	23.66	23.61			
100	PIQ BPSK	135	0	23.38	23.65	23.32	24.5	0.0	
100	PIQ BPSK	135	69	23.58	23.69	23.45	24.5	0.0	
100	PIQ BPSK	135	138	23.48	23.61	23.34	24.5	0.0	
100	PIQ BPSK	270	0	23.69	23.61	23.35			
100	QPSK	1	1	23.70	23.65	23.69			
100	QPSK	1	137	23.62	23.74	23.63	24.5	0.0	
100	QPSK	1	271	23.71	23.72	23.58			
100	QPSK	135	0	23.50	23.65	23.44	24.5	0.0	
100	QPSK	135	69	23.58	23.66	23.55	24.5	0.0	
100	QPSK	135	138	23.56	23.74	23.49	24.5	0.0	
100	QPSK	270	0	23.58	23.75	23.48			
100	8QAM	1	1	23.67	23.71	23.69	24.5	0.0	
100	8QAM	1	1	23.63	23.70	23.62	24.5	0.0	
100	256QAM	1	1	23.78	23.70	23.66	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.63	23.76	23.66	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.70	23.76	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.69	23.73	23.66	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.69	23.79	23.67	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.66	23.79	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.63	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.69	23.77	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.68	23.72	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.63	23.77	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.67	23.77	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.71	23.74	23.59	24.5	0.0	



Part27Q_n78_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.09				
100	PI2 BPSK	1	137	19.55			20.5	0.0
100	PI2 BPSK	1	271	19.38				
100	PI2 BPSK	135	0	19.40			20.5	0.0
100	PI2 BPSK	135	69	19.50			20.5	0.0
100	PI2 BPSK	135	138	19.44			20.5	0.0
100	PI2 BPSK	270	0	19.37			20.5	0.0
100	QPSK	1	1	19.78				
100	QPSK	1	137	19.69			20.5	0.0
100	QPSK	1	271	19.68				
100	QPSK	135	0	19.55			20.5	0.0
100	QPSK	135	69	19.50			20.5	0.0
100	QPSK	135	138	19.52			20.5	0.0
100	QPSK	270	0	19.51			20.5	0.0
100	16QAM	1	1	19.94			20.5	0.0
100	64QAM	1	1	19.72			20.5	0.0
100	256QAM	1	1	19.88			20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.88	19.73	19.53	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.88	19.72	19.52	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.51	19.48	19.55	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.53	19.64	19.56	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.67	19.70	19.60	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.56	19.65	19.59	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.54	19.66	19.57	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.60	19.64	19.52	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.54	19.68	19.57	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.52	19.72	19.61	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.52	19.65	19.62	20.5	0.0

Part27Q_n78(HPUe)_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.35				
100	PI2 BPSK	1	137	22.35			23.5	0.0
100	PI2 BPSK	1	271	22.36				
100	PI2 BPSK	135	0	22.17			23.5	0.0
100	PI2 BPSK	135	69	22.33			23.5	0.0
100	PI2 BPSK	135	138	22.14			23.5	0.0
100	PI2 BPSK	270	0	22.15			23.5	0.0
100	QPSK	1	1	22.50				
100	QPSK	1	137	22.43			23.5	0.0
100	QPSK	1	271	22.41				
100	QPSK	135	0	22.30			23.5	0.0
100	QPSK	135	69	22.38			23.5	0.0
100	QPSK	135	138	22.28			23.5	0.0
100	QPSK	270	0	22.23			23.5	0.0
100	16QAM	1	1	22.28			23.5	0.0
100	64QAM	1	1	22.29			23.5	0.0
100	256QAM	1	1	21.80			22.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.29	22.37	22.42	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.27	22.37	22.42	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.28	22.38	22.35	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.32	22.42	22.39	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.30	22.40	22.42	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.27	22.43	22.38	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.25	22.40	22.33	23.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.34	22.40	22.40	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.28	22.41	22.39	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.24	22.43	22.37	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.27	22.45	22.37	23.5	0.0

Part27Q_n78_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac]	Power Middle Ch. [Frac]	Power High Ch. [Frac]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.81				
100	PI2 BPSK	1	137	19.68			20.5	0.0
100	PI2 BPSK	1	271	19.87				
100	PI2 BPSK	135	0	19.60			20.5	0.0
100	PI2 BPSK	135	69	19.72			20.5	0.0
100	PI2 BPSK	135	138	19.81			20.5	0.0
100	PI2 BPSK	270	0	19.83			20.5	0.0
100	QPSK	1	1	19.88				
100	QPSK	1	137	19.77			20.5	0.0
100	QPSK	1	271	19.78				
100	QPSK	135	0	19.69			20.5	0.0
100	QPSK	135	69	19.78			20.5	0.0
100	QPSK	135	138	19.70			20.5	0.0
100	QPSK	270	0	19.88			20.5	0.0
100	16QAM	1	1	19.81			20.5	0.0
100	64QAM	1	1	19.75			20.5	0.0
100	256QAM	1	1	19.82			20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.68	19.80	19.70	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.60	19.80	19.73	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.63	19.77	19.78	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.66	19.79	19.78	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.65	19.83	19.72	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.67	19.81	19.67	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.65	19.78	19.76	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.62	19.72	19.77	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.65	19.76	19.76	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.62	19.83	19.73	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.63	19.80	19.80	20.5	0.0



Part27O_n78(HPUE)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
	Channel			64800	65000	65200		
	Frequency (MHz)			3745.00	3750	3754.98		
100	PI2 BPSK	1	1	22.53	22.68	22.86	23.5	0.0
100	PI2 BPSK	1	137	22.53	22.68	22.86	23.5	0.0
100	PI2 BPSK	1	271	22.53	22.68	22.86	23.5	0.0
100	PI2 BPSK	135	0	22.53	22.68	22.86	23.5	0.0
100	PI2 BPSK	135	69	22.53	22.68	22.86	23.5	0.0
100	PI2 BPSK	135	138	22.53	22.68	22.86	23.5	0.0
100	PI2 BPSK	270	0	22.53	22.68	22.86	23.5	0.0
100	QPSK	1	1	22.53	22.68	22.86	23.5	0.0
100	QPSK	1	137	22.53	22.68	22.86	23.5	0.0
100	QPSK	1	271	22.53	22.68	22.86	23.5	0.0
100	QPSK	135	0	22.53	22.68	22.86	23.5	0.0
100	QPSK	135	69	22.53	22.68	22.86	23.5	0.0
100	QPSK	135	138	22.53	22.68	22.86	23.5	0.0
100	QPSK	270	0	22.53	22.68	22.86	23.5	0.0
100	BQAM	1	1	22.53	22.68	22.86	23.5	0.0
100	BQAM	1	1	22.51	22.61	22.71	23.5	0.0
100	BQAM	1	1	21.77	21.87	21.97	22.5	1.0
	Channel			64800	65000	65200		
	Frequency (MHz)			3745.02	3750	3754.98		
80	QPSK	1	1	22.53	22.68	22.86	23.5	0.0
	Channel			64800	65000	65200		
	Frequency (MHz)			3745.01	3750	3759.99		
80	QPSK	1	1	22.51	22.69	22.86	23.5	0.0
	Channel			64800	65000	65200		
	Frequency (MHz)			3735	3750	3765		
70	QPSK	1	1	22.47	22.70	22.48	23.5	0.0
	Channel			3730.02	3750	3769.98		
60	QPSK	1	1	22.52	22.66	22.54	23.5	0.0
	Channel			3725.01	3750	3774.99		
50	QPSK	1	1	22.52	22.63	22.47	23.5	0.0
	Channel			3720	3750	3760		
40	QPSK	1	1	22.49	22.64	22.53	23.5	0.0
	Channel			3715.02	3750	3764.98		
30	QPSK	1	1	22.51	22.61	22.53	23.5	0.0
	Channel			3710.01	3750	3759.99		
25	QPSK	1	1	22.48	22.63	22.51	23.5	0.0
	Channel			3710.51	3750	3769.50		
20	QPSK	1	1	22.53	22.70	22.51	23.5	0.0
	Channel			3705.02	3750	3769.50		
15	QPSK	1	1	22.51	22.67	22.51	23.5	0.0
	Channel			3700	3750	3760		
10	QPSK	1	1	22.49	22.70	22.47	23.5	0.0



Part27Q_n78_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like Pi2 BPSK, QPSK, and 64QAM.

Part27Q_n78(HPUe)_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like Pi2 BPSK, QPSK, and 64QAM.

Part27Q_n78_Ant 4

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Middle Ch. Freq., Power High Ch. Freq., Tune-up limit (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation types like Pi2 BPSK, QPSK, and 64QAM.



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3740				
100	PI2 BPSK	1	1	23.52			24.5	0.0
100	PI2 BPSK	1	137	23.37			24.5	0.0
100	PI2 BPSK	1	271	23.46			24.5	0.0
100	PI2 BPSK	135	0	23.33			24.5	0.0
100	PI2 BPSK	135	69	23.47			24.5	0.0
100	PI2 BPSK	135	138	23.28			24.5	0.0
100	PI2 BPSK	270	0	23.28			24.5	0.0
100	QPSK	1	1	23.05			24.5	0.0
100	QPSK	1	137	23.94			24.5	0.0
100	QPSK	1	271	23.57			24.5	0.0
100	QPSK	135	0	23.48			24.5	0.0
100	QPSK	135	69	23.35			24.5	0.0
100	QPSK	135	138	23.41			24.5	0.0
100	QPSK	270	0	23.43			24.5	0.0
100	BQAM	1	1	23.54			24.5	0.0
100	BQAM	1	1	23.53			24.5	0.0
100	BQAM	1	1	21.69	25.00	27.25	24.5	2.0
Channel				3745.02	3750	3754.98		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.44	23.60	23.43	24.5	0.0
Channel				3745.35	3750	3754.65		
Frequency (MHz)				3745.35	3750	3754.65		
80	QPSK	1	1	23.42	23.58	23.53	24.5	0.0
Channel				3745.68	3750	3754.32		
Frequency (MHz)				3745.68	3750	3754.32		
70	QPSK	1	1	23.44	23.53	23.46	24.5	0.0
Channel				3746.02	3750	3753.98		
Frequency (MHz)				3746.02	3750	3753.98		
60	QPSK	1	1	23.51	23.58	23.53	24.5	0.0
Channel				3746.35	3750	3753.65		
Frequency (MHz)				3746.35	3750	3753.65		
50	QPSK	1	1	23.44	23.53	23.43	24.5	0.0
Channel				3746.68	3750	3753.32		
Frequency (MHz)				3746.68	3750	3753.32		
40	QPSK	1	1	23.47	23.57	23.46	24.5	0.0
Channel				3747.02	3750	3752.98		
Frequency (MHz)				3747.02	3750	3752.98		
30	QPSK	1	1	23.47	23.53	23.47	24.5	0.0
Channel				3747.35	3750	3752.65		
Frequency (MHz)				3747.35	3750	3752.65		
25	QPSK	1	1	23.43	23.53	23.43	24.5	0.0
Channel				3747.68	3750	3752.32		
Frequency (MHz)				3747.68	3750	3752.32		
20	QPSK	1	1	23.51	23.51	23.43	24.5	0.0
Channel				3748.02	3750	3751.98		
Frequency (MHz)				3748.02	3750	3751.98		
15	QPSK	1	1	23.43	23.51	23.43	24.5	0.0
Channel				3748.35	3750	3751.65		
Frequency (MHz)				3748.35	3750	3751.65		
10	QPSK	1	1	23.51	23.53	23.49	24.5	0.0



Part27Q_n78_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.37				
100	PI2 BPSK	1	137	19.33				
100	PI2 BPSK	1	271	19.39			20.5	0.0
100	PI2 BPSK	135	0	19.25				
100	PI2 BPSK	135	69	19.31				
100	PI2 BPSK	135	138	19.30			20.5	0.0
100	PI2 BPSK	270	0	19.29				
100	QPSK	1	1	19.52				
100	QPSK	1	137	19.38			20.5	0.0
100	QPSK	1	271	19.47				
100	QPSK	135	0	19.35			20.5	0.0
100	QPSK	135	69	19.40				
100	QPSK	135	138	19.35			20.5	0.0
100	QPSK	270	0	19.38				
100	16QAM	1	1	19.37			20.5	0.0
100	64QAM	1	1	19.40			20.5	0.0
100	256QAM	1	1	19.42			20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.20	19.38	19.30	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.17	19.39	19.30	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.19	19.46	19.38	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.20	19.41	19.21	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.22	19.37	19.25	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.16	19.39	19.29	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.16	19.37	19.31	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.20	19.43	19.23	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.22	19.46	19.24	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.14	19.37	19.23	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.20	19.42	19.21	20.5	0.0

Part27Q_n78(HPUe)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.42				
100	PI2 BPSK	1	137	22.30			23.5	0.0
100	PI2 BPSK	1	271	22.24				
100	PI2 BPSK	135	0	22.28			23.5	0.0
100	PI2 BPSK	135	69	22.33				
100	PI2 BPSK	135	138	22.29			23.5	0.0
100	PI2 BPSK	270	0	22.28				
100	QPSK	1	1	22.51				
100	QPSK	1	137	22.38			23.5	0.0
100	QPSK	1	271	22.38				
100	QPSK	135	0	22.38			23.5	0.0
100	QPSK	135	69	22.43				
100	QPSK	135	138	22.38			23.5	0.0
100	QPSK	270	0	22.35				
100	16QAM	1	1	22.45			23.5	0.0
100	64QAM	1	1	22.44			23.5	0.0
100	256QAM	1	1	21.85			22.5	1.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.27	22.37	22.33	23.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.29	22.43	22.33	23.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.24	22.46	22.31	23.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.30	22.41	22.36	23.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.30	22.42	22.37	23.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.23	22.43	22.28	23.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.27	22.38	22.28	23.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.23	22.41	22.37	23.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.28	22.40	22.39	23.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.13	22.40	22.30	23.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.52	22.38	22.29	23.5	0.0

Part27O_n78_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.42				
100	PI2 BPSK	1	137	19.50			20.5	0.0
100	PI2 BPSK	1	271	19.53				
100	PI2 BPSK	135	0	19.27			20.5	0.0
100	PI2 BPSK	135	69	19.52				
100	PI2 BPSK	135	138	19.28			20.5	0.0
100	PI2 BPSK	270	0	19.44				
100	QPSK	1	1	19.71				
100	QPSK	1	137	19.59			20.5	0.0
100	QPSK	1	271	19.62				
100	QPSK	135	0	19.42			20.5	0.0
100	QPSK	135	69	19.57				
100	QPSK	135	138	19.49			20.5	0.0
100	QPSK	270	0	19.51				
100	16QAM	1	1	19.59			20.5	0.0
100	64QAM	1	1	19.61			20.5	0.0
100	256QAM	1	1	19.63			20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.32	19.61	19.36	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.40	19.61	19.37	20.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.41	19.59	19.43	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.32	19.59	19.39	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.36	19.58	19.43	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.34	19.58	19.42	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.32	19.63	19.39	20.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.42	19.56	19.36	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.34	19.63	19.34	20.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.26	19.62	19.38	20.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.41	19.57	19.39	20.5	0.0



Part27O_n78(HPUE)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
	Channel			66000				
	Frequency (MHz)			22.46				
100	PI2 BPSK	1	1	22.46				
100	PI2 BPSK	1	137	22.39			23.5	0.0
100	PI2 BPSK	1	271	22.38				
100	PI2 BPSK	135	0	22.38			23.5	0.0
100	PI2 BPSK	135	69	22.38				
100	PI2 BPSK	135	138	22.21			23.5	0.0
100	PI2 BPSK	270	0	22.20				
100	QPSK	1	1	22.27				
100	QPSK	1	137	22.42			23.5	0.0
100	QPSK	1	271	22.50				
100	QPSK	135	0	22.35			23.5	0.0
100	QPSK	135	69	22.4				
100	QPSK	135	138	22.35			23.5	0.0
100	QPSK	270	0	22.37				
100	BQAM	1	1	22.42			23.5	0.0
100	BQAM	1	1	22.42			23.5	0.0
100	BQAM	1	1	21.58	21.58	22.5	23.5	1.0
	Channel			64868	65000	65332	216.0 (dB)	MPR
	Frequency (MHz)			3745.02	3750	3754.98		
90	QPSK	1	1	22.20	22.50	22.26	23.5	0.0
	Channel			64832	65000	65068	216.0 (dB)	MPR
	Frequency (MHz)			3740.01	3750	3759.99		
80	QPSK	1	1	22.24	22.48	22.24	23.5	0.0
	Channel			64800	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3735	3750	3765		
70	QPSK	1	1	22.25	22.45	22.20	23.5	0.0
	Channel			64768	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3730.02	3750	3769.98		
60	QPSK	1	1	22.19	22.48	22.23	23.5	0.0
	Channel			64736	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3725.01	3750	3774.99		
50	QPSK	1	1	22.28	22.46	22.25	23.5	0.0
	Channel			64700	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3720	3750	3760		
40	QPSK	1	1	22.22	22.43	22.30	23.5	0.0
	Channel			64668	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3715.02	3750	3764.98		
30	QPSK	1	1	22.22	22.52	22.21	23.5	0.0
	Channel			64632	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3712.5	3750	3787.5		
25	QPSK	1	1	22.28	22.52	22.30	23.5	0.0
	Channel			64596	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3710.51	3750	3789.50		
20	QPSK	1	1	22.24	22.43	22.30	23.5	0.0
	Channel			64560	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3707.52	3750	3792.48		
15	QPSK	1	1	22.22	22.43	22.25	23.5	0.0
	Channel			64520	65000	65000	216.0 (dB)	MPR
	Frequency (MHz)			3705	3750	3799		
10	QPSK	1	1	22.22	22.41	22.26	23.5	0.0



Part27Q_n78_Ant 8

BW (MHz)	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	PB2 BPSK	1	1	20.48	20.48	20.48	21.5	0.0
100	PB2 BPSK	1	137	20.32	20.32	20.32	21.5	0.0
100	PB2 BPSK	1	271	20.34	20.34	20.34	21.5	0.0
100	PB2 BPSK	135	0	20.30	20.30	20.30	21.5	0.0
100	PB2 BPSK	135	69	20.29	20.29	20.29	21.5	0.0
100	PB2 BPSK	135	138	20.24	20.24	20.24	21.5	0.0
100	PB2 BPSK	270	0	20.20	20.20	20.20	21.5	0.0
100	QPSK	1	1	20.53	20.53	20.53	21.5	0.0
100	QPSK	1	137	20.36	20.36	20.36	21.5	0.0
100	QPSK	1	271	20.43	20.43	20.43	21.5	0.0
100	QPSK	135	0	20.36	20.36	20.36	21.5	0.0
100	QPSK	135	69	20.42	20.42	20.42	21.5	0.0
100	QPSK	135	138	20.31	20.31	20.31	21.5	0.0
100	QPSK	270	0	20.27	20.27	20.27	21.5	0.0
100	64QAM	1	1	20.42	20.42	20.42	21.5	0.0
100	64QAM	1	1	20.46	20.46	20.46	21.5	0.0
100	256QAM	1	1	20.48	20.48	20.48	21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.17	20.39	20.28	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.16	20.41	20.27	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.17	20.47	20.28	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.20	20.41	20.28	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.21	20.40	20.34	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.16	20.38	20.28	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.21	20.46	20.31	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.17	20.46	20.33	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.20	20.42	20.28	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.19	20.39	20.33	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.16	20.41	20.28	21.5	0.0

Part27Q_n78(HPUe)_Ant 8

BW (MHz)	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	PB2 BPSK	1	1	22.45	22.45	22.45	24.5	0.0
100	PB2 BPSK	1	137	23.40	23.40	23.40	24.5	0.0
100	PB2 BPSK	1	271	22.46	22.46	22.46	24.5	0.0
100	PB2 BPSK	135	0	23.30	23.30	23.30	24.5	0.0
100	PB2 BPSK	135	69	23.41	23.41	23.41	24.5	0.0
100	PB2 BPSK	135	138	23.32	23.32	23.32	24.5	0.0
100	PB2 BPSK	270	0	23.21	23.21	23.21	24.5	0.0
100	QPSK	1	1	23.50	23.50	23.50	24.5	0.0
100	QPSK	1	137	23.46	23.46	23.46	24.5	0.0
100	QPSK	1	271	23.24	23.24	23.24	24.5	0.0
100	QPSK	135	0	23.41	23.41	23.41	24.5	0.0
100	QPSK	135	69	23.37	23.37	23.37	24.5	0.0
100	QPSK	135	138	23.43	23.43	23.43	24.5	0.0
100	QPSK	270	0	23.25	23.25	23.25	24.5	0.0
100	64QAM	1	1	23.46	23.46	23.46	24.5	0.0
100	64QAM	1	1	23.51	23.51	23.51	24.5	0.0
100	256QAM	1	1	23.51	23.51	23.51	24.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.27	23.49	23.35	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.27	23.46	23.34	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.30	23.49	23.28	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.34	23.46	23.29	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.28	23.47	23.28	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.36	23.50	23.32	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.33	23.48	23.32	24.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.28	23.46	23.30	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.29	23.45	23.31	24.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	23.29	23.44	23.30	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	23.26	23.34	23.34	24.5	0.0

Part27Q_n78_Ant 8

BW (MHz)	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	PB2 BPSK	1	1	20.69	20.69	20.69	21.5	0.0
100	PB2 BPSK	1	137	20.61	20.61	20.61	21.5	0.0
100	PB2 BPSK	1	271	20.68	20.68	20.68	21.5	0.0
100	PB2 BPSK	135	0	20.59	20.59	20.59	21.5	0.0
100	PB2 BPSK	135	69	20.62	20.62	20.62	21.5	0.0
100	PB2 BPSK	135	138	20.54	20.54	20.54	21.5	0.0
100	PB2 BPSK	270	0	20.47	20.47	20.47	21.5	0.0
100	QPSK	1	1	20.79	20.79	20.79	21.5	0.0
100	QPSK	1	137	20.72	20.72	20.72	21.5	0.0
100	QPSK	1	271	20.74	20.74	20.74	21.5	0.0
100	QPSK	135	0	20.68	20.68	20.68	21.5	0.0
100	QPSK	135	69	20.74	20.74	20.74	21.5	0.0
100	QPSK	135	138	20.61	20.61	20.61	21.5	0.0
100	QPSK	270	0	20.59	20.59	20.59	21.5	0.0
100	64QAM	1	1	20.71	20.71	20.71	21.5	0.0
100	64QAM	1	1	20.68	20.68	20.68	21.5	0.0
100	256QAM	1	1	20.68	20.68	20.68	21.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.58	20.71	20.61	21.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.58	20.68	20.54	21.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	20.54	20.74	20.58	21.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.55	20.73	20.57	21.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.50	20.74	20.58	21.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.63	20.72	20.56	21.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.61	20.70	20.54	21.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.64	20.64	20.58	21.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.65	20.68	20.53	21.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.60	20.72	20.60	21.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.59	20.69	20.54	21.5	0.0



Part270_n78(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				66000				
Frequency (MHz)				23.92				
100	PI2 BPSK	1	1	23.92			24.5	0.0
100	PI2 BPSK	1	137	23.55			24.5	0.0
100	PI2 BPSK	1	271	23.48			24.5	0.0
100	PI2 BPSK	135	0	23.47			24.5	0.0
100	PI2 BPSK	135	69	23.59			24.5	0.0
100	PI2 BPSK	135	138	23.46			24.5	0.0
100	PI2 BPSK	270	0	23.42			24.5	0.0
100	QPSK	1	1	23.73			24.5	0.0
100	QPSK	1	137	23.60			24.5	0.0
100	QPSK	1	271	23.59			24.5	0.0
100	QPSK	135	0	23.80			24.5	0.0
100	QPSK	135	69	23.55			24.5	0.0
100	QPSK	135	138	23.51			24.5	0.0
100	QPSK	270	0	23.53			24.5	0.0
100	16QAM	1	1	23.87			24.5	0.0
100	64QAM	1	1	23.62			24.5	0.0
100	256QAM	1	1	21.87			22.5	2.0
Channel				58888	58900	58912	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.46	23.80	23.86	24.5	0.0
Channel				61928	62000	62080	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	23.39	23.64	23.52	24.5	0.0
Channel				61888	62000	62100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.37	23.67	23.54	24.5	0.0
Channel				61828	62000	62130	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	23.44	23.58	23.52	24.5	0.0
Channel				61828	62000	62100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	23.40	23.66	23.53	24.5	0.0
Channel				61800	62000	62000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.40	23.66	23.53	24.5	0.0
Channel				61760	62000	62030	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	23.43	23.67	23.58	24.5	0.0
Channel				61760	62000	62000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.8	3750	3787.5		
25	QPSK	1	1	23.42	23.66	23.57	24.5	0.0
Channel				61728	62000	62000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	23.36	23.59	23.53	24.5	0.0
Channel				61716	62000	62030	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	23.44	23.67	23.58	24.5	0.0
Channel				61705	62000	62000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.46	23.66	23.62	24.5	0.0



n2_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				1870	1880	1890		
40	PlZ BPSK	1	1	23.31	23.40	23.27		
40	PlZ BPSK	1	108	23.28	23.33	23.21	24.0	0.0
40	PlZ BPSK	1	214	23.27	23.37	23.27		
40	PlZ BPSK	108	0	22.77	22.92	22.83	23.5	0.5
40	PlZ BPSK	108	54	23.25	23.37	23.24	24.0	0.0
40	PlZ BPSK	108	108	22.92	23.00	22.93		
40	PlZ BPSK	216	0	22.85	22.97	22.86	23.5	0.5
40	QPSK	1	1	23.41	23.45	23.38		
40	QPSK	1	108	23.36	23.42	23.33	24.0	0.0
40	QPSK	1	214	23.28	23.39	23.31		
40	QPSK	108	0	22.28	22.42	22.34	23.0	1.0
40	QPSK	108	54	23.37	23.40	23.33	24.0	0.0
40	QPSK	108	108	22.45	22.49	22.43	23.0	1.0
40	QPSK	216	0	22.11	22.22	22.11	23.0	1.0
40	16QAM	1	1	22.08	22.12	22.03	23.0	1.0
40	16QAM	1	1	20.74	20.77	20.67	21.5	2.5
40	256QAM	1	1	18.77	18.80	18.65	19.5	4.5
Channel								
Frequency (MHz)								
				37500	37600	37600	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	1892.5	1880	1892.5	24.0	0.0
Channel								
Frequency (MHz)								
				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.28	23.37	23.29	24.0	0.0
Channel								
Frequency (MHz)								
				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.29	23.32	23.30	24.0	0.0
Channel								
Frequency (MHz)								
				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.32	23.40	23.33	24.0	0.0
Channel								
Frequency (MHz)								
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	187.5	180	182.3	24.0	0.0
Channel								
Frequency (MHz)								
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.31	23.40	23.29	24.0	0.0
Channel								
Frequency (MHz)								
				1852.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.28	23.40	23.32	24.0	0.0

Reduced Power Mode for DSI6

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)								
				1870	1880	1890		
40	PlZ BPSK	1	1	23.22	23.30	23.22		
40	PlZ BPSK	1	108	23.14	23.18	23.16	24.0	0.0
40	PlZ BPSK	1	214	23.20	23.22	23.15		
40	PlZ BPSK	108	0	22.67	22.80	22.75	23.5	0.5
40	PlZ BPSK	108	54	23.19	23.24	23.09	24.0	0.0
40	PlZ BPSK	108	108	22.86	22.91	22.88		
40	PlZ BPSK	216	0	22.85	22.90	22.75	23.5	0.5
40	QPSK	1	1	23.28	23.34	23.30		
40	QPSK	1	108	23.20	23.23	23.12	24.0	0.0
40	QPSK	1	214	23.14	23.27	23.21		
40	QPSK	108	0	22.26	22.31	22.19	23.0	1.0
40	QPSK	108	54	23.14	23.28	23.19	24.0	0.0
40	QPSK	108	108	22.23	22.37	22.24	23.0	1.0
40	QPSK	216	0	22.13	22.16	22.03	23.0	1.0
40	16QAM	1	1	21.86	21.97	21.84	23.0	1.0
40	16QAM	1	1	20.65	20.70	20.66	21.5	2.5
40	256QAM	1	1	18.73	18.75	18.72	19.5	4.5
Channel								
Frequency (MHz)								
				37500	37600	37600	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	1892.5	1880	1892.5	24.0	0.0
Channel								
Frequency (MHz)								
				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.25	23.27	23.23	24.0	0.0
Channel								
Frequency (MHz)								
				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	23.17	23.30	23.29	24.0	0.0
Channel								
Frequency (MHz)								
				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.22	23.29	23.30	24.0	0.0
Channel								
Frequency (MHz)								
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	187.5	180	182.3	24.0	0.0
Channel								
Frequency (MHz)								
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.22	23.26	23.26	24.0	0.0
Channel								
Frequency (MHz)								
				1852.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	23.17	23.26	23.23	24.0	0.0

n2_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
				1870	1880	1890		
40	PlZ BPSK	1	1	22.42	22.47	22.50		
40	PlZ BPSK	1	108	22.45	22.46	22.46	23.5	0.0
40	PlZ BPSK	1	214	22.43	22.45	22.48		
40	PlZ BPSK	108	0	22.48	22.56	22.48	23.5	0.0
40	PlZ BPSK	108	54	22.48	22.46	22.45	23.5	0.0
40	PlZ BPSK	108	108	22.34	22.48	22.47		
40	PlZ BPSK	216	0	22.37	22.44	22.34	23.5	0.0
40	QPSK	1	1	22.57	22.58	22.52		
40	QPSK	1	108	22.48	22.55	22.39	23.5	0.0
40	QPSK	1	214	22.53	22.57	22.37		
40	QPSK	108	0	21.94	22.05	21.94	23.0	0.5
40	QPSK	108	54	22.46	22.52	22.37	23.5	0.0
40	QPSK	108	108	21.86	22.01	21.83	23.0	0.5
40	QPSK	216	0	21.88	21.88	21.89	23.0	0.5
40	16QAM	1	1	21.92	22.00	21.87	23.0	0.5
40	16QAM	1	1	20.50	20.58	20.55	21.5	2.5
40	256QAM	1	1	18.48	18.50	18.38	19.5	4.0
Channel								
Frequency (MHz)								
				37500	37600	37600	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	1892.5	1880	1892.5	24.0	0.0
Channel								
Frequency (MHz)								
				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	22.46	22.51	22.41	23.5	0.0
Channel								
Frequency (MHz)								
				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	22.46	22.53	22.45	23.5	0.0
Channel								
Frequency (MHz)								
				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	22.56	22.54	22.41	23.5	0.0
Channel								
Frequency (MHz)								
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	187.5	180	182.3	24.0	0.0
Channel								
Frequency (MHz)								
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	22.43	22.51	22.48	23.5	0.0
Channel								
Frequency (MHz)								
				1852.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	1	22.44	22.56	22.46	23.5	0.0



n5_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)
Channel				16690	16730	16790		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.86	22.89	22.86		
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0	0.0
20	PI2 BPSK	1	104	22.76	22.78	22.70		
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5	0.5
20	PI2 BPSK	50	26	22.76	22.86	22.81	24.0	0.0
20	PI2 BPSK	50	56	22.28	22.40	22.26		
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5	0.5
20	QPSK	1	1	22.71	22.80	22.81		
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0
20	QPSK	1	104	22.80	22.87	22.80		
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0
20	QPSK	50	26	22.33	22.87	22.50	24.0	0.0
20	QPSK	50	56	21.99	22.02	22.01		
20	QPSK	100	0	21.94	21.96	21.88	23.0	1.0
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0
20	64QAM	1	1	20.40	20.50	20.37	21.5	2.5
20	256QAM	1	1	18.52	18.59	18.48	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	22.81	22.76	22.70	24.0	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0

n5_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)
Channel				16690	16730	16790		
Frequency (MHz)				834	836.5	839		
20	PI2 BPSK	1	1	22.68	22.77	22.63		
20	PI2 BPSK	1	53	22.60	22.74	22.59	24.0	0.0
20	PI2 BPSK	1	104	22.62	22.70	22.55		
20	PI2 BPSK	50	0	22.26	22.33	22.32	23.5	0.5
20	PI2 BPSK	50	26	22.70	22.76	22.61	24.0	0.0
20	PI2 BPSK	50	56	22.15	22.28	22.19		
20	PI2 BPSK	100	0	22.20	22.35	22.24	23.5	0.5
20	QPSK	1	1	22.75	22.80	22.72		
20	QPSK	1	53	22.60	22.73	22.61	24.0	0.0
20	QPSK	1	104	22.73	22.75	22.63		
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0
20	QPSK	50	26	22.52	22.77	22.57	24.0	0.0
20	QPSK	50	56	21.82	21.86	21.85		
20	QPSK	100	0	21.75	21.80	21.76	23.0	1.0
20	16QAM	1	1	21.87	21.85	21.88	23.0	1.0
20	64QAM	1	1	20.35	20.38	20.25	21.5	2.5
20	256QAM	1	1	18.43	18.45	18.34	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	22.70	22.73	22.61	24.0	0.0
Channel				166800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				836.5	836.5	846.5		
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0

n7_Ant 0								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	Tune-up limit (dBm)	MPR (dB)
Channel				50900	50700	51000		
Frequency (MHz)				2550	2535	2560		
40	PI2 BPSK	1	1	23.32	23.40	23.28		
40	PI2 BPSK	1	108	23.24	23.32	23.20	24.0	0.0
40	PI2 BPSK	1	214	23.36	23.38	23.29		
40	PI2 BPSK	108	0	22.78	22.85	22.75	23.5	0.5
40	PI2 BPSK	108	54	23.30	23.34	23.31	24.0	0.0
40	PI2 BPSK	108	108	22.77	22.88	22.86		
40	PI2 BPSK	216	0	22.85	22.90	22.88	23.5	0.5
40	QPSK	1	1	23.44	23.45	23.42		
40	QPSK	1	108	23.30	23.39	23.24	24.0	0.0
40	QPSK	1	214	23.23	23.33	23.21		
40	QPSK	108	0	22.36	22.39	22.34	23.0	1.0
40	QPSK	108	54	23.26	23.41	23.35	24.0	0.0
40	QPSK	108	108	22.32	22.38	22.36		
40	QPSK	216	0	22.25	22.35	22.28	23.0	1.0
40	16QAM	1	1	22.29	22.40	22.37	23.0	1.0
40	64QAM	1	1	20.86	20.93	20.84	21.5	2.5
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5
Channel				509500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2531	2552.5		
35	QPSK	1	1	23.32	23.39	23.31	24.0	0.0
Channel				509000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.35	23.40	23.38	24.0	0.0
Channel				509500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel				509000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.39	23.39	23.31	24.0	0.0
Channel				509500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.35	23.31	23.30	24.0	0.0
Channel				509000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.37	23.30	23.32	24.0	0.0
Channel				509500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.36	23.31	23.31	24.0	0.0



n7_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				2620	2635	2650			
40	PI2 BPSK	1	1	22.58	22.63	22.59			
40	PI2 BPSK	1	108	22.62	22.70	22.56	23.5	0.0	
40	PI2 BPSK	1	244	22.62	22.73	22.66			
40	PI2 BPSK	108	0	22.61	22.74	22.69	23.5	0.0	
40	PI2 BPSK	108	54	22.56	22.68	22.56			
40	PI2 BPSK	108	108	22.58	22.70	22.61			
40	PI2 BPSK	216	0	22.53	22.66	22.56	23.5	0.0	
40	QPSK	1	1	22.68	22.75	22.70			
40	QPSK	1	108	22.65	22.68	22.61	23.5	0.0	
40	QPSK	1	214	22.57	22.60	22.64			
40	QPSK	108	0	22.21	22.32	22.26	23.0	0.5	
40	QPSK	108	54	22.64	22.68	22.63	23.5	0.0	
40	QPSK	108	108	22.18	22.29	22.14			
40	QPSK	216	0	22.28	22.32	22.30	23.0	0.5	
40	16QAM	1	1	22.23	22.26	22.23	23.0	0.5	
40	16QAM	1	1	20.54	20.65	20.61	21.5	2.0	
40	256QAM	1	1	18.59	18.66	18.57	19.5	4.0	
Channel									
Frequency (MHz)									
				50300	50700	51050	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.56	22.63	22.61	23.5	0.0	
Channel									
Frequency (MHz)									
				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.60	22.68	22.66	23.5	0.0	
Channel									
Frequency (MHz)									
				2512.5	2535	2557.5	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.64	22.62	22.62	23.5	0.0	
Channel									
Frequency (MHz)									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.67	22.63	22.60	23.5	0.0	
Channel									
Frequency (MHz)									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.59	22.66	22.64	23.5	0.0	
Channel									
Frequency (MHz)									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.63	22.73	22.67	23.5	0.0	
Channel									
Frequency (MHz)									
				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.58	22.61	22.64	23.5	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				2620	2635	2650			
40	PI2 BPSK	1	1	22.79	22.75	22.71			
40	PI2 BPSK	1	108	22.69	22.84	22.82	23.5	0.0	
40	PI2 BPSK	1	244	22.76	22.87	22.81			
40	PI2 BPSK	108	0	22.77	22.82	22.75	23.5	0.0	
40	PI2 BPSK	108	54	22.76	22.76	22.75	23.5	0.0	
40	PI2 BPSK	108	108	22.76	22.85	22.78			
40	PI2 BPSK	216	0	22.80	22.87	22.78	23.5	0.0	
40	QPSK	1	1	22.84	22.88	22.85			
40	QPSK	1	108	22.77	22.77	22.82	23.5	0.0	
40	QPSK	1	214	22.74	22.79	22.82			
40	QPSK	108	0	22.26	22.34	22.33	23.0	0.5	
40	QPSK	108	54	22.76	22.80	22.75	23.5	0.0	
40	QPSK	108	108	22.24	22.30	22.19			
40	QPSK	216	0	22.17	22.28	22.16	23.0	0.5	
40	16QAM	1	1	22.26	22.28	22.15	23.0	0.5	
40	16QAM	1	1	20.76	20.88	20.76	21.5	2.0	
40	256QAM	1	1	18.81	18.88	18.78	19.5	4.0	
Channel									
Frequency (MHz)									
				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	22.78	22.76	22.76	23.5	0.0	
Channel									
Frequency (MHz)									
				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	22.76	22.86	22.79	23.5	0.0	
Channel									
Frequency (MHz)									
				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	22.73	22.77	22.72	23.5	0.0	
Channel									
Frequency (MHz)									
				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	22.77	22.86	22.72	23.5	0.0	
Channel									
Frequency (MHz)									
				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	22.80	22.76	22.73	23.5	0.0	
Channel									
Frequency (MHz)									
				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.77	22.81	22.82	23.5	0.0	
Channel									
Frequency (MHz)									
				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.72	22.86	22.79	23.5	0.0	

n12_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				14300	141500	143700			
15	PI2 BPSK	1	1	22.92	23.05	22.91			
15	PI2 BPSK	1	40	23.01	23.08	22.99	24.0	0.0	
15	PI2 BPSK	1	77	22.90	23.01	22.97			
15	PI2 BPSK	36	0	22.48	22.99	22.56	23.5	0.5	
15	PI2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	PI2 BPSK	36	43	22.49	22.80	22.45	23.5	0.5	
15	PI2 BPSK	75	0	22.46	22.52	22.43			
15	QPSK	1	1	23.07	23.10	23.05			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.00	22.02	22.06	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.95	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.86	21.83	23.0	1.0	
15	16QAM	1	1	21.94	22.08	21.98	23.0	1.0	
15	16QAM	1	1	20.00	20.72	20.64	21.5	2.5	
15	256QAM	1	1	18.54	18.55	18.54	19.5	4.5	
Channel									
Frequency (MHz)									
				143000	141500	142200	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	22.99	22.96	22.82	24.0	0.0	
Channel									
Frequency (MHz)									
				143000	141500	142700	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	22.96	23.02	22.88	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				14300	14300	14300			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79			
15	Pl2 BPSK	1	40	22.88	22.80	22.74	24.0	0.0	
15	Pl2 BPSK	1	77	22.73	22.76	22.89			
15	Pl2 BPSK	38	0	22.32	22.43	22.36	23.5	0.5	
15	Pl2 BPSK	38	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	38	43	22.33	22.48	22.36			
15	Pl2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.88	22.81	22.75			
15	QPSK	38	0	21.85	21.88	21.79	23.0	1.0	
15	QPSK	38	22	22.72	22.88	22.84	24.0	0.0	
15	QPSK	38	43	21.73	21.84	21.76			
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0	
15	16QAM	1	1	21.72	21.76	21.60	23.0	1.0	
15	16QAM	1	1	20.28	20.39	20.31	21.5	2.5	
256QAM				18.35	18.40	18.32	19.5	4.5	
Channel				14000	14100	14200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				14000	14100	14200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	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				15800					
Frequency (MHz)				793					
10	Pl2 BPSK	1	1		23.30				
10	Pl2 BPSK	1	26		23.22		24.0	0.0	
10	Pl2 BPSK	1	50		23.28				
10	Pl2 BPSK	25	0		22.75		23.5	0.5	
10	Pl2 BPSK	25	14		23.25		24.0	0.0	
10	Pl2 BPSK	25	27		22.77				
10	Pl2 BPSK	50	0		22.72		23.5	0.5	
10	QPSK	1	1		23.37				
10	QPSK	1	26		23.30		24.0	0.0	
10	QPSK	1	50		23.33				
10	QPSK	25	0		22.05		23.0	1.0	
10	QPSK	25	14		23.26		24.0	0.0	
10	QPSK	25	27		22.10				
10	QPSK	50	0		22.02		23.0	1.0	
10	16QAM	1	1		22.39		23.0	1.0	
10	16QAM	1	1		20.88		21.5	2.5	
10	256QAM	1	1		18.90		19.5	4.5	
Channel				158100	158000	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				743.5	743	743.5			
5	QPSK	1	1	23.32	23.29	23.25	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				158000					
Frequency (MHz)				793					
10	Pl2 BPSK	1	1		23.00				
10	Pl2 BPSK	1	26		23.02		24.0	0.0	
10	Pl2 BPSK	1	50		22.98				
10	Pl2 BPSK	25	0		22.98		23.5	0.5	
10	Pl2 BPSK	25	14		22.99		24.0	0.0	
10	Pl2 BPSK	25	27		22.90				
10	Pl2 BPSK	50	0		22.54		23.5	0.5	
10	QPSK	1	1		23.07				
10	QPSK	1	26		23.03		24.0	0.0	
10	QPSK	1	50		23.00				
10	QPSK	25	0		22.10		23.0	1.0	
10	QPSK	25	14		23.26		24.0	0.0	
10	QPSK	25	27		22.02				
10	QPSK	50	0		22.07		23.0	1.0	
10	16QAM	1	1		22.00		23.0	1.0	
10	16QAM	1	1		20.44		21.5	2.5	
10	256QAM	1	1		18.50		19.5	4.5	
Channel				158100	158000	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				743.5	743	743.5			
5	QPSK	1	1	22.90	22.95	22.85	24.0	0.0	



n26(FCC)_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				166900	166300	167900			
Frequency (MHz)				834	831.5	839			
20	Pl2 BPSK	1	1	22.88	22.93	23.02			
20	Pl2 BPSK	1	53	22.84	22.76	22.90	24.0	0.0	
20	Pl2 BPSK	1	104	22.83	22.93	22.96			
20	Pl2 BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.45	22.52			
20	Pl2 BPSK	100	0	22.40	22.47	22.50	23.5	0.5	
20	QPSK	1	1	23.03	23.01	23.05			
20	QPSK	1	53	23.01	22.95	23.04	24.0	0.0	
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0	
20	QPSK	50	28	22.91	22.98	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10			
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0	
20	16QAM	1	1	21.86	21.95	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				168300	168300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	841.5	841.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				168800	168300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				169300	168300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_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	167900	167900			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.96	22.89	23.02			
20	Pl2 BPSK	1	53	22.78	22.75	22.90	24.0	0.0	
20	Pl2 BPSK	1	104	22.91	22.95	22.96			
20	Pl2 BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.50	22.52			
20	Pl2 BPSK	100	0	22.40	22.35	22.50	23.5	0.5	
20	QPSK	1	1	22.97	23.01	23.05			
20	QPSK	1	53	22.93	22.94	23.04	24.0	0.0	
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0	
20	QPSK	50	28	22.95	22.81	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10			
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0	
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.97	22.96	22.98	24.0	0.0	
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_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				166900	166300	167900			
Frequency (MHz)				834	831.5	839			
20	Pl2 BPSK	1	1	22.76	22.79	22.87			
20	Pl2 BPSK	1	53	22.81	22.80	22.85	24.0	0.0	
20	Pl2 BPSK	1	104	22.74	22.77	22.79			
20	Pl2 BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.38	22.32	22.42			
20	Pl2 BPSK	100	0	22.33	22.37	22.44	23.5	0.5	
20	QPSK	1	1	22.97	22.97	22.85			
20	QPSK	1	53	22.75	22.70	22.80	24.0	0.0	
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95			
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0	
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	16QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				168300	168300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	841.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				168800	168300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.90	22.74	22.78	24.0	0.0	
Channel				169300	168300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_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				166000	167000	168000			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.86	24.0	0.0	
20	Pl2 BPSK	1	104	22.75	22.74	22.76			
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42			
20	Pl2 BPSK	100	0	22.33	22.32	22.44	23.5	0.5	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.91	21.78	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.78	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95			
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	16QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	834.5	24.0	0.0	
Channel				168000	167300	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.75	22.07	22.78	24.0	0.0	
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.42					
10	Pl2 BPSK	1	26	23.38			24.0	0.0	
10	Pl2 BPSK	1	50	23.47					
10	Pl2 BPSK	25	0	23.01			23.5	0.5	
10	Pl2 BPSK	25	14	23.48			24.0	0.0	
10	Pl2 BPSK	25	27	23.05			23.5	0.5	
10	Pl2 BPSK	50	0	23.03					
10	QPSK	1	1	23.50					
10	QPSK	1	26	23.45			24.0	0.0	
10	QPSK	1	50	23.47					
10	QPSK	25	0	22.46			23.0	1.0	
10	QPSK	25	14	23.43			24.0	0.0	
10	QPSK	25	27	22.49					
10	QPSK	50	0	22.45			23.0	1.0	
10	16QAM	1	1	22.48			23.0	1.0	
10	16QAM	1	1	20.96			21.5	2.5	
10	256QAM	1	1	19.00			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.45	23.49	23.41	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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	22.93					
10	Pl2 BPSK	1	26	22.93			23.5	0.0	
10	Pl2 BPSK	1	50	22.95					
10	Pl2 BPSK	25	0	22.97			23.5	0.0	
10	Pl2 BPSK	25	14	22.94			23.5	0.0	
10	Pl2 BPSK	25	27	22.91			23.5	0.0	
10	Pl2 BPSK	50	0	22.97					
10	QPSK	1	1	23.00					
10	QPSK	1	26	22.93			23.5	0.0	
10	QPSK	1	50	22.98					
10	QPSK	25	0	22.41			23.0	0.5	
10	QPSK	25	14	22.85			23.5	0.0	
10	QPSK	25	27	22.50			23.0	0.5	
10	QPSK	50	0	22.55			23.0	0.5	
10	16QAM	1	1	22.40			23.0	0.5	
10	16QAM	1	1	20.88			21.5	2.0	
10	256QAM	1	1	18.97			19.5	4.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5	23.5	0.0	
5	QPSK	1	1	22.94	22.97	22.96	23.5	0.0	



n30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				46000			
Frequency (MHz)				2310			
10	PI2 BPSK	1	1	23.15			
10	PI2 BPSK	1	26	23.09			24.0
10	PI2 BPSK	1	50	23.12			23.5
10	PI2 BPSK	25	0	22.67			24.0
10	PI2 BPSK	25	14	23.13			24.0
10	PI2 BPSK	25	27	22.69			23.5
10	PI2 BPSK	50	0	22.65			24.0
10	QPSK	1	1	23.18			24.0
10	QPSK	1	26	23.12			24.0
10	QPSK	1	50	23.07			23.0
10	QPSK	25	0	22.22			24.0
10	QPSK	25	14	23.10			23.0
10	QPSK	25	27	22.18			23.0
10	QPSK	50	0	22.15			23.0
10	16QAM	1	1	22.00			21.5
10	16QAM	1	1	20.55			19.5
10	256QAM	1	1	18.53			18.5
Channel				461500	462000	462500	
Frequency (MHz)				2317.5	2310	2312.5	
5	QPSK	1	1	22.97	23.11	22.99	24.0

n66_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI2 BPSK	1	1	22.79	22.90	22.88	
40	PI2 BPSK	1	108	22.77	22.85	22.78	24.0
40	PI2 BPSK	1	214	22.77	22.88	22.80	24.0
40	PI2 BPSK	108	0	22.68	22.79	22.66	24.0
40	PI2 BPSK	108	54	22.62	22.77	22.70	24.0
40	PI2 BPSK	108	108	22.72	22.85	22.83	24.0
40	PI2 BPSK	216	0	22.74	22.83	22.80	24.0
40	QPSK	1	1	22.94	23.00	22.95	24.0
40	QPSK	1	108	22.90	22.97	22.95	24.0
40	QPSK	1	214	22.85	22.91	22.78	24.0
40	QPSK	108	0	22.71	22.84	22.82	24.0
40	QPSK	108	54	22.61	22.90	22.85	24.0
40	QPSK	108	108	22.75	22.88	22.87	24.0
40	QPSK	216	0	22.88	22.92	22.80	24.0
40	16QAM	1	1	22.86	22.96	22.89	24.0
40	16QAM	1	1	21.43	21.45	21.36	22.5
40	256QAM	1	1	19.27	19.42	19.28	20.5
Channel				345500	349000	352500	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.82	22.91	22.88	24.0
Channel				346000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.70	22.89	22.92	24.0
Channel				345500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.82	22.91	22.85	24.0
Channel				345000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.87	22.91	22.91	24.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.83	22.91	22.89	24.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.83	22.89	22.91	24.0
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.85	22.90	22.88	24.0

n66_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				346000	349000	352000	
Frequency (MHz)				1730	1745	1760	
40	PI2 BPSK	1	1	22.88	23.00	22.87	
40	PI2 BPSK	1	108	22.90	23.04	23.03	24.0
40	PI2 BPSK	1	214	22.82	22.95	22.92	24.0
40	PI2 BPSK	108	0	22.80	22.94	22.85	24.0
40	PI2 BPSK	108	54	22.91	22.96	22.91	24.0
40	PI2 BPSK	108	108	22.86	22.85	22.86	24.0
40	PI2 BPSK	216	0	22.84	22.92	22.77	24.0
40	QPSK	1	1	22.95	23.06	22.95	24.0
40	QPSK	1	108	22.85	22.96	22.84	24.0
40	QPSK	1	214	22.83	22.91	22.85	24.0
40	QPSK	108	0	22.83	22.95	22.87	24.0
40	QPSK	108	54	22.97	23.05	22.95	24.0
40	QPSK	108	108	22.93	22.84	22.87	24.0
40	QPSK	216	0	22.90	22.87	22.87	24.0
40	16QAM	1	1	22.80	22.90	22.86	24.0
40	16QAM	1	1	21.36	21.48	21.35	22.5
40	256QAM	1	1	19.37	19.45	19.31	20.5
Channel				345500	349000	352500	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	22.91	22.91	22.84	24.0
Channel				346000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	22.91	22.92	22.84	24.0
Channel				345500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	22.82	22.93	22.83	24.0
Channel				345000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	22.83	22.99	22.84	24.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	22.88	22.97	22.92	24.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	22.83	22.91	22.92	24.0
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	22.88	22.94	22.93	24.0



n66_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				345000	345000	350000	
Frequency (MHz)				1730	1745	1760	
40	PlZ BPSK	1	1	23.28	23.40	23.30	
40	PlZ BPSK	1	108	23.31	23.32	23.27	24.0 0.0
40	PlZ BPSK	1	214	23.27	23.38	23.31	
40	PlZ BPSK	108	0	22.91	22.94	22.87	23.5 0.0
40	PlZ BPSK	108	54	23.37	23.41	23.34	24.0 0.0
40	PlZ BPSK	108	108	22.88	22.90	22.88	
40	PlZ BPSK	216	0	22.91	22.97	22.92	23.5 0.5
40	QPSK	1	1	23.35	23.44	23.30	
40	QPSK	1	108	23.32	23.40	23.27	24.0 0.0
40	QPSK	1	214	23.28	23.37	23.29	
40	QPSK	108	0	22.34	22.38	22.37	23.0 1.0
40	QPSK	108	54	23.34	23.40	23.26	24.0 0.0
40	QPSK	108	108	22.24	22.33	22.18	23.0 1.0
40	QPSK	216	0	22.30	22.35	22.24	
40	16QAM	1	1	22.34	22.37	22.34	23.0 1.0
40	16QAM	1	1	20.75	20.85	20.79	21.5 2.5
40	256QAM	1	1	18.89	18.80	18.69	19.5 4.5
Channel				345000	345000	350000	Tune-up limit MPR
Frequency (MHz)				1722.5	1745	1762.5	(dBm) (dB)
35	QPSK	1	1	23.29	23.39	23.22	24.0 0.0
Channel				345000	345000	350000	Tune-up limit MPR
Frequency (MHz)				1725	1745	1765	(dBm) (dB)
30	QPSK	1	1	23.21	23.24	23.18	24.0 0.0
Channel				345000	345000	350000	Tune-up limit MPR
Frequency (MHz)				1722.5	1745	1767.5	(dBm) (dB)
25	QPSK	1	1	23.31	23.31	23.23	24.0 0.0
Channel				345000	345000	350000	Tune-up limit MPR
Frequency (MHz)				1720	1745	1760	(dBm) (dB)
20	QPSK	1	1	23.21	23.38	23.25	24.0 0.0
Channel				343000	345000	354500	Tune-up limit MPR
Frequency (MHz)				1717.5	1745	1772.5	(dBm) (dB)
15	QPSK	1	1	23.27	23.32	23.17	24.0 0.0
Channel				343000	345000	350000	Tune-up limit MPR
Frequency (MHz)				1715	1745	1775	(dBm) (dB)
10	QPSK	1	1	23.28	23.34	23.24	24.0 0.0
Channel				343000	345000	350000	Tune-up limit MPR
Frequency (MHz)				1712.5	1745	1777.5	(dBm) (dB)
5	QPSK	1	1	23.21	23.31	23.22	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			
Frequency (MHz)				1702.5			
15	PlZ BPSK	1	1		23.68		
15	PlZ BPSK	1	40		23.63		24.0 0.0
15	PlZ BPSK	1	77		23.60		
15	PlZ BPSK	36	0		23.19		23.5 0.5
15	PlZ BPSK	36	22		23.62		24.0 0.0
15	PlZ BPSK	36	43		23.10		23.5 0.5
15	PlZ BPSK	75	0		23.15		
15	QPSK	1	1		23.70		
15	QPSK	1	40		23.62		24.0 0.0
15	QPSK	1	77		23.65		
15	QPSK	36	0		23.60		23.0 1.0
15	QPSK	36	22		23.66		24.0 0.0
15	QPSK	36	43		22.70		23.0 1.0
15	QPSK	75	0		22.67		
15	16QAM	1	1		22.59		23.0 1.0
15	16QAM	1	1		21.20		21.5 2.5
15	256QAM	1	1		19.20		19.5 4.5
Channel				340000	345000	341000	Tune-up limit MPR
Frequency (MHz)				1700	1722.5	1705	(dBm) (dB)
10	QPSK	1	1	23.67	23.63	23.64	24.0 0.0
Channel				339000	345000	341500	Tune-up limit MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm) (dB)
5	QPSK	1	1	23.32	23.32	23.36	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				345000			
Frequency (MHz)				1702.5			
15	PlZ BPSK	1	1		22.95		
15	PlZ BPSK	1	40		22.88		24.0 0.0
15	PlZ BPSK	1	77		22.90		
15	PlZ BPSK	36	0		22.45		23.5 0.5
15	PlZ BPSK	36	22		22.96		24.0 0.0
15	PlZ BPSK	36	43		22.42		23.5 0.5
15	PlZ BPSK	75	0		22.50		
15	QPSK	1	1		23.00		
15	QPSK	1	40		22.90		24.0 0.0
15	QPSK	1	77		22.84		
15	QPSK	36	0		22.96		23.0 1.0
15	QPSK	36	22		23.02		24.0 0.0
15	QPSK	36	43		22.02		23.0 1.0
15	QPSK	75	0		22.00		
15	16QAM	1	1		22.98		23.0 1.0
15	16QAM	1	1		20.55		21.5 2.5
15	256QAM	1	1		18.60		19.5 4.5
Channel				340000	345000	341000	Tune-up limit MPR
Frequency (MHz)				1700	1722.5	1705	(dBm) (dB)
10	QPSK	1	1	22.91	22.95	22.86	24.0 0.0
Channel				339000	345000	341500	Tune-up limit MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm) (dB)
5	QPSK	1	1	22.87	22.91	22.77	24.0 0.0



n70_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				340000					
Frequency (MHz)				1702.5					
15	PlZ BPSK	1	1	23.40			24.0	0.0	
15	PlZ BPSK	1	40	23.33					
15	PlZ BPSK	1	77	23.35			23.5	0.5	
15	PlZ BPSK	36	0	22.88			24.0	0.0	
15	PlZ BPSK	36	22	23.35			24.0	0.0	
15	PlZ BPSK	36	43	22.85			23.5	0.5	
15	PlZ BPSK	75	0	22.90					
15	QPSK	1	1	23.42			24.0	0.0	
15	QPSK	1	40	23.35					
15	QPSK	1	77	23.31			23.0	1.0	
15	QPSK	36	0	22.50			24.0	0.0	
15	QPSK	36	22	23.37			24.0	0.0	
15	QPSK	36	43	22.44			23.0	1.0	
15	QPSK	75	0	22.48			23.0	1.0	
15	16QAM	1	1	22.49			23.0	1.0	
15	16QAM	1	1	21.00			21.5	2.5	
15	256QAM	1	1	19.00			19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	23.32	23.36	23.30	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	
5	QPSK	1	1	23.31	23.35	23.31	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				136000					
Frequency (MHz)				673					
20	PlZ BPSK	1	1	23.03	23.03	23.07	24.0	0.0	
20	PlZ BPSK	1	53	22.91	23.04	23.01			
20	PlZ BPSK	1	104	23.06	23.02	23.02	23.5	0.5	
20	PlZ BPSK	50	0	22.72	22.60	22.69	24.0	0.0	
20	PlZ BPSK	50	28	23.06	23.03	23.04	24.0	0.0	
20	PlZ BPSK	50	56	22.68	22.61	22.63	23.5	0.5	
20	PlZ BPSK	100	0	22.62	22.55	22.55			
20	QPSK	1	1	23.07	23.14	23.10	24.0	0.0	
20	QPSK	1	53	23.05	23.04	22.96			
20	QPSK	1	104	23.03	23.12	22.88	23.0	1.0	
20	QPSK	50	0	22.08	22.15	22.09	24.0	0.0	
20	QPSK	50	28	22.97	23.10	23.07	24.0	0.0	
20	QPSK	50	56	22.14	22.11	22.13	23.0	1.0	
20	QPSK	100	0	22.03	22.05	22.03			
20	16QAM	1	1	22.03	22.15	22.02	23.0	1.0	
20	16QAM	1	1	20.57	20.68	20.61	21.5	2.5	
20	256QAM	1	1	18.83	18.68	18.55	19.5	4.5	
Channel				136100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	680.5	683.5	24.0	0.0	
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	QPSK	1	1	22.06	23.06	22.96	24.0	0.0	
Channel				135100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	24.0	0.0	
5	QPSK	1	1	22.96	23.03	22.99	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				136000					
Frequency (MHz)				673					
20	PlZ BPSK	1	1	22.72	22.82	22.79	24.0	0.0	
20	PlZ BPSK	1	53	22.69	22.75	22.74			
20	PlZ BPSK	1	104	22.69	22.80	22.65	23.5	0.5	
20	PlZ BPSK	50	0	22.34	22.44	22.36	24.0	0.0	
20	PlZ BPSK	50	28	22.79	22.80	22.78	24.0	0.0	
20	PlZ BPSK	50	56	22.36	22.39	22.35	23.5	0.5	
20	PlZ BPSK	100	0	22.32	22.33	22.34			
20	QPSK	1	1	22.77	22.85	22.75	24.0	0.0	
20	QPSK	1	53	22.68	22.77	22.68			
20	QPSK	1	104	22.69	22.83	22.69	23.0	1.0	
20	QPSK	50	0	21.79	21.89	21.84	24.0	0.0	
20	QPSK	50	28	22.12	22.80	22.71	24.0	0.0	
20	QPSK	50	56	21.87	21.90	21.83	23.0	1.0	
20	QPSK	100	0	21.73	21.82	21.67			
20	16QAM	1	1	21.83	21.86	21.76	23.0	1.0	
20	16QAM	1	1	20.37	20.39	20.33	21.5	2.5	
20	256QAM	1	1	18.30	18.40	18.32	19.5	4.5	
Channel				136100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	683.5	693.5	24.0	0.0	
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				135600	136100	136600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				135100	136100	136100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5	24.0	0.0	
5	QPSK	1	1	22.66	22.78	22.63	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									
Frequency (MHz)									
40	Pi2 BPSK	1	1	22.84	23.05	22.99			
40	Pi2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pi2 BPSK	1	104	22.80	22.82	22.79			
40	Pi2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pi2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pi2 BPSK	50	56	22.68	22.75	22.80			
40	Pi2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.96	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	64QAM	1	1	20.95	20.96	20.81	22.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.83	22.93	22.87	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.83	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.01	22.94	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									
Frequency (MHz)									
40	Pi2 BPSK	1	1	22.92	23.00	22.86			
40	Pi2 BPSK	1	53	22.91	22.92	22.78	24.0	0.0	
40	Pi2 BPSK	1	104	22.84	22.75	22.84			
40	Pi2 BPSK	50	0	22.86	22.96	22.92	24.0	0.0	
40	Pi2 BPSK	50	28	22.87	22.92	22.82	24.0	0.0	
40	Pi2 BPSK	50	56	22.72	22.80	22.74			
40	Pi2 BPSK	100	0	22.87	22.88	22.80	24.0	0.0	
40	QPSK	1	1	23.00	23.05	23.03			
40	QPSK	1	53	22.80	22.90	22.83	24.0	0.0	
40	QPSK	1	104	22.82	22.77	22.75			
40	QPSK	50	0	22.43	22.45	22.38	23.5	0.5	
40	QPSK	50	28	22.76	22.92	22.71	24.0	0.0	
40	QPSK	50	56	22.36	22.40	22.38			
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.5	
40	16QAM	1	1	22.36	22.38	22.29	23.5	0.5	
40	64QAM	1	1	20.76	20.90	20.75	22.0	2.0	
40	256QAM	1	1	18.84	18.85	18.83	20.0	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.84	22.90	22.83	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.75	23.00	22.85	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.84	22.90	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.77	22.90	22.88	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.83	22.90	22.89	24.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	22.57	22.53	22.58			
40	Pi2 BPSK	1	53	22.51	22.85	22.47	23.5	0.0	
40	Pi2 BPSK	1	104	22.46	22.62	22.47			
40	Pi2 BPSK	50	0	22.53	22.53	22.59	23.5	0.0	
40	Pi2 BPSK	50	28	22.47	22.61	22.61	23.5	0.0	
40	Pi2 BPSK	50	56	22.46	22.56	22.47			
40	Pi2 BPSK	100	0	22.52	22.63	22.50	23.5	0.0	
40	QPSK	1	1	22.66	22.66	22.63			
40	QPSK	1	53	22.48	22.58	22.55	23.5	0.0	
40	QPSK	1	104	22.47	22.59	22.47			
40	QPSK	50	0	22.39	22.49	22.36	23.5	0.0	
40	QPSK	50	28	22.55	22.63	22.53	23.5	0.0	
40	QPSK	50	56	22.43	22.45	22.30			
40	QPSK	100	0	22.29	22.40	22.35	23.5	0.0	
40	16QAM	1	1	22.36	22.48	22.36	23.5	0.0	
40	64QAM	1	1	20.96	21.00	20.94	22.0	1.5	
40	256QAM	1	1	18.94	18.96	18.87	20.0	3.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.49	22.53	22.43	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.51	22.54	22.55	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.80	22.85	22.80	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.55	22.65	22.56	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.53	22.58	22.59	23.5	0.0	



FCC_n41_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50600 51898 52800									
2546.01 2592.99 2540									
100	Pi/2 BPSK	1	1	23.28	23.41	23.30			
100	Pi/2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0	
100	Pi/2 BPSK	1	271	23.32	23.34	23.25			
100	Pi/2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	Pi/2 BPSK	135	69	23.22	23.35	23.26	24.0	0.0	
100	Pi/2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0	
100	Pi/2 BPSK	270	0	23.32	23.40	23.27			
100	QPSK	1	1	23.38	23.45	23.31			
100	QPSK	1	137	23.28	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.18	23.38	23.32	24.0	0.0	
100	QPSK	135	138	23.24	23.38	23.29	24.0	0.0	
100	QPSK	270	0	23.40	23.42	23.28			
100	16QAM	1	1	23.30	23.37	23.31	24.0	0.0	
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5	
Channel									
Frequency (MHz)									
506200 518998 528998									
2541 2592.99 2541.98									
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0	MPR
Channel									
Frequency (MHz)									
507204 518998 529998									
2536.02 2592.99 2549.99									
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	MPR
Channel									
Frequency (MHz)									
508202 518998 530000									
2531.01 2592.99 2585									
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0	MPR
Channel									
Frequency (MHz)									
509200 518998 531998									
2521.02 2592.99 2584.99									
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	MPR
Channel									
Frequency (MHz)									
504404 518998 532998									
2521.02 2592.99 2584.99									
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0	MPR
Channel									
Frequency (MHz)									
505202 518998 534000									
2516.01 2592.99 2570									
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	MPR
Channel									
Frequency (MHz)									
506200 518998 535998									
2511 2592.99 2574.98									
30	QPSK	1	1	23.26	23.38	23.21	24.0	0.0	MPR
Channel									
Frequency (MHz)									
507202 518998 535500									
2508.51 2592.99 2577.5									
25	QPSK	1	1	23.19	23.32	23.04	24.0	0.0	MPR
Channel									
Frequency (MHz)									
507204 518998 535998									
2506.02 2592.99 2578.99									
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0	MPR
Channel									
Frequency (MHz)									
508202 518998 537000									
2503.5 2592.99 2582.48									
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0	MPR
Channel									
Frequency (MHz)									
509202 518998 537000									
2501.01 2592.99 2585									
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0	MPR

FCC_n41(HPUE)_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50600 51898 52800									
2546.01 2592.99 2540									
100	Pi/2 BPSK	1	1	26.17	26.30	26.22			
100	Pi/2 BPSK	1	137	25.89	26.02	25.95	27.0	0.0	
100	Pi/2 BPSK	1	271	25.79	25.90	25.84			
100	Pi/2 BPSK	135	0	25.51	25.62	25.55	28.5	0.5	
100	Pi/2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0	
100	Pi/2 BPSK	135	138	25.18	25.33	25.26	28.5	0.5	
100	Pi/2 BPSK	270	0	25.37	25.52	25.44			
100	QPSK	1	1	25.17	25.32	25.15			
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0	
100	QPSK	1	271	25.82	25.94	25.86			
100	QPSK	135	0	25.07	25.10	25.01	28.0	1.0	
100	QPSK	135	69	25.86	25.98	25.92	27.0	0.0	
100	QPSK	135	138	25.03	25.05	25.08	28.0	1.0	
100	QPSK	270	0	24.95	25.18	25.00			
100	16QAM	1	1	25.14	25.25	25.16	28.0	1.0	
100	64QAM	1	1	23.62	23.72	23.62	24.5	2.5	
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5	
Channel									
Frequency (MHz)									
506200 518998 528998									
2541 2592.99 2541.98									
90	QPSK	1	1	26.04	26.18	26.18	27.0	0.0	MPR
Channel									
Frequency (MHz)									
507204 518998 529998									
2536.02 2592.99 2549.99									
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0	MPR
Channel									
Frequency (MHz)									
508202 518998 530000									
2531.01 2592.99 2585									
70	QPSK	1	1	26.06	26.17	26.10	27.0	0.0	MPR
Channel									
Frequency (MHz)									
509200 518998 531998									
2521.02 2592.99 2584.99									
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0	MPR
Channel									
Frequency (MHz)									
504404 518998 532998									
2521.02 2592.99 2584.99									
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0	MPR
Channel									
Frequency (MHz)									
505202 518998 534000									
2516.01 2592.99 2570									
40	QPSK	1	1	26.02	26.25	26.09	27.0	0.0	MPR
Channel									
Frequency (MHz)									
506200 518998 535998									
2511 2592.99 2574.98									
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0	MPR
Channel									
Frequency (MHz)									
507202 518998 535500									
2508.51 2592.99 2577.5									
25	QPSK	1	1	26.05	26.25	26.25	27.0	0.0	MPR
Channel									
Frequency (MHz)									
507204 518998 535998									
2506.02 2592.99 2578.99									
20	QPSK	1	1	26.08	26.17	26.18	27.0	0.0	MPR
Channel									
Frequency (MHz)									
508202 518998 537000									
2503.5 2592.99 2582.48									
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0	MPR
Channel									
Frequency (MHz)									
509202 518998 537000									
2501.01 2592.99 2585									
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0	MPR



FCC_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									
Frequency (MHz)									
160	PI2 BPSK	1	1	23.31	23.41	23.33			
160	PI2 BPSK	1	137	23.33	23.39	23.29	24.0	0.0	
160	PI2 BPSK	1	271	23.27	23.31	23.25			
160	PI2 BPSK	135	9	23.26	23.30	23.15	24.0	0.0	
160	PI2 BPSK	135	69	23.21	23.33	23.31	24.0	0.0	
160	PI2 BPSK	135	138	23.24	23.35	23.21	24.0	0.0	
160	PI2 BPSK	270	0	23.32	23.28	23.31			
160	QPSK	1	1	23.32	23.30	23.37	24.0	0.0	
160	QPSK	1	137	23.32	23.33	23.25			
160	QPSK	1	271	23.29	23.39	23.30			
160	QPSK	135	0	23.27	23.36	23.21	24.0	0.0	
160	QPSK	135	69	23.33	23.30	23.37	24.0	0.0	
160	QPSK	135	138	23.14	23.27	23.22	24.0	0.0	
160	QPSK	270	0	23.26	23.38	23.24	24.0	0.0	
160	16QAM	1	1	23.23	23.35	23.24	24.0	0.0	
160	64QAM	1	1	23.28	23.34	23.31	24.0	0.0	
160	256QAM	1	1	21.98	22.00	21.90	23.0	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.41	23.29	23.44	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.31	23.35	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.33	23.43	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.26	23.44	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.30	23.35	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.24	23.40	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.29	23.42	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.30	23.40	23.35	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.24	23.42	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.24	23.42	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.32	23.43	23.30	24.0	0.0	

FCC_n41(HPUE)_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)									
160	PI2 BPSK	1	1	26.12	26.20	26.10			
160	PI2 BPSK	1	137	26.89	26.98	26.89	27.0	0.0	
160	PI2 BPSK	1	271	25.74	25.81	25.72			
160	PI2 BPSK	135	9	25.96	26.06	25.96	27.0	0.0	
160	PI2 BPSK	135	69	25.92	25.99	25.89	27.0	0.0	
160	PI2 BPSK	135	138	25.84	25.90	25.80	27.0	0.0	
160	PI2 BPSK	270	0	25.95	26.00	25.92			
160	QPSK	1	1	26.11	26.23	26.13			
160	QPSK	1	137	25.82	25.91	25.83	27.0	0.0	
160	QPSK	1	271	25.75	25.83	25.76			
160	QPSK	135	0	25.92	25.97	25.86	26.5	0.5	
160	QPSK	135	69	25.91	25.91	25.91	27.0	0.0	
160	QPSK	135	138	25.37	25.43	25.31	26.5	0.5	
160	QPSK	270	0	25.48	25.52	25.43	26.5	0.5	
160	16QAM	1	1	25.93	26.02	25.92	26.5	0.5	
160	64QAM	1	1	24.13	24.21	24.12	25.0	2.0	
160	256QAM	1	1	22.20	22.26	22.16	23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.41	23.29	23.44	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.09	26.13	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.11	26.08	26.08	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.11	26.13	26.03	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.11	26.13	26.08	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.02	26.14	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.09	26.18	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	26.11	26.20	26.11	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.06	26.15	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.10	26.10	26.02	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.07	26.14	26.07	27.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
160	PI2 BPSK	1	1	22.91	22.93	22.86			
160	PI2 BPSK	1	137	22.83	22.98	22.84	23.5	0.0	
160	PI2 BPSK	1	271	22.78	22.85	22.91			
160	PI2 BPSK	135	9	22.77	22.97	22.89	23.5	0.0	
160	PI2 BPSK	135	69	22.84	22.88	22.85	23.5	0.0	
160	PI2 BPSK	135	138	22.91	22.97	22.83	23.5	0.0	
160	PI2 BPSK	270	0	22.80	22.92	22.87			
160	QPSK	1	1	22.92	22.90	22.95	23.5	0.0	
160	QPSK	1	137	22.77	22.97	22.88			
160	QPSK	1	271	22.79	22.89	22.80			
160	QPSK	135	0	22.91	22.99	22.92	23.5	0.0	
160	QPSK	135	69	22.89	22.94	22.88	23.5	0.0	
160	QPSK	135	138	22.82	22.95	22.86	23.5	0.0	
160	QPSK	270	0	22.90	22.97	22.94	23.5	0.0	
160	16QAM	1	1	22.79	22.88	22.86	23.5	0.0	
160	64QAM	1	1	22.84	22.85	22.85	23.5	0.0	
160	256QAM	1	1	22.38	22.40	22.33	23.0	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.41	23.29	23.44	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.85	22.88	22.80	23.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.81	22.87	22.86	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.78	22.95	22.82	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.80	22.92	22.83	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.80	22.99	22.81	23.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.78	22.91	22.87	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.80	22.94	22.88	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.83	22.87	22.83	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.89	22.90	22.81	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.91	22.97	22.81	23.5	0.0	



FCC_n41(HPUE)_Ant 2									
Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)				
Channel	500202	518998	530500						
Frequency (MHz)	2546.91	2592.99	2550						
100	PI2 BPSK	1	1	25.58	25.64	25.68			
100	PI2 BPSK	1	137	25.65	25.63	25.59		26.5	0.0
100	PI2 BPSK	1	271	25.58	25.61	25.69			
100	PI2 BPSK	135	9	25.62	25.71	25.57		26.5	0.0
100	PI2 BPSK	135	69	25.53	25.70	25.68		26.5	0.0
100	PI2 BPSK	135	138	25.57	25.64	25.55		26.5	0.0
100	PI2 BPSK	270	0	25.56	25.73	25.59			
100	QPSK	1	1	25.55	25.75	25.71		26.5	0.0
100	QPSK	1	137	25.54	25.68	25.67		26.5	0.0
100	QPSK	1	271	25.57	25.62	25.68			
100	QPSK	135	0	25.41	25.47	25.31		26.5	0.0
100	QPSK	135	69	25.53	25.70	25.67		26.5	0.0
100	QPSK	135	138	25.17	25.23	25.07		26.5	0.0
100	QPSK	270	0	25.37	25.43	25.28			
100	16QAM	1	1	25.54	25.58	25.41		26.5	0.0
100	64QAM	1	1	24.31	24.14	23.95		25.0	1.5
100	256QAM	1	1	22.11	22.13	21.95		23.0	3.5
Channel	508200	518998	538998	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2547	2592.99	2544.98						
90	QPSK	1	1	25.65	25.71	25.61		26.5	0.0
Channel	507204	518998	529998	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2536.02	2592.99	2549.99						
80	QPSK	1	1	25.54	25.61	25.65		26.5	0.0
Channel	506202	518998	531000	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2531.91	2592.99	2555						
70	QPSK	1	1	25.56	25.63	25.61		26.5	0.0
Channel	505200	518998	531998	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2524	2592.99	2559.99						
60	QPSK	1	1	25.51	25.63	25.65		26.5	0.0
Channel	504204	518998	532998	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2511.02	2592.99	2564.99						
50	QPSK	1	1	25.53	25.63	25.53		26.5	0.0
Channel	503202	518998	534000	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2516.91	2592.99	2570						
40	QPSK	1	1	25.59	25.70	25.69		26.5	0.0
Channel	502200	518998	535998	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2511	2592.99	2574.98						
30	QPSK	1	1	25.53	25.71	25.55		26.5	0.0
Channel	501702	518998	535000	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2508.91	2592.99	2577.5						
25	QPSK	1	1	25.67	25.65	25.65		26.5	0.0
Channel	501204	518998	535998	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2508.02	2592.99	2579.99						
20	QPSK	1	1	25.56	25.74	25.64		26.5	0.0
Channel	500700	518998	535000	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2503.5	2592.99	2582.48						
15	QPSK	1	1	25.62	25.63	25.59		26.5	0.0
Channel	500202	518998	537000	Tune-up limit (dB)	MPR (dB)				
Frequency (MHz)	2503.91	2592.99	2585						
10	QPSK	1	1	25.58	25.70	25.59		26.5	0.0



n48_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
48	Frequency (MHz)	1	1	19.14	19.59	19.58	
48	PI2 BPSK	1	53	19.56	19.58	19.41	20.5
48	PI2 BPSK	1	104	19.53	19.52	19.36	20.5
48	PI2 BPSK	50	0	19.42	19.43	19.45	20.5
48	PI2 BPSK	50	28	19.58	19.58	19.50	20.5
48	PI2 BPSK	50	56	19.44	19.44	19.44	20.5
48	PI2 BPSK	100	0	19.51	19.51	19.37	20.5
48	QPSK	1	1	19.73	19.70	19.73	20.5
48	QPSK	1	53	19.66	19.68	19.55	20.5
48	QPSK	1	104	19.65	19.65	19.61	20.5
48	QPSK	50	0	19.52	19.53	19.50	20.5
48	QPSK	50	28	19.55	19.55	19.55	20.5
48	QPSK	50	56	19.56	19.54	19.54	20.5
48	QPSK	100	0	19.56	19.52	19.51	20.5
48	ISQAM	1	1	19.62	19.62	19.56	20.5
48	ISQAM	1	1	19.68	19.67	19.60	20.5
48	256QAM	1	1	19.83	19.52	19.83	19.5
Channel							
30	Frequency (MHz)	1	1	19.62	19.63	19.85	20.5
Channel							
20	Frequency (MHz)	1	1	19.67	19.68	19.65	20.5
Channel							
15	Frequency (MHz)	1	1	19.66	19.67	19.67	20.5
Channel							
18	Frequency (MHz)	1	1	19.66	19.68	19.53	20.5

n48_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
48	Frequency (MHz)	1	1	19.63	19.73	19.63	
48	PI2 BPSK	1	53	19.61	19.68	19.54	20.5
48	PI2 BPSK	1	104	19.58	19.64	19.54	20.5
48	PI2 BPSK	50	0	19.52	19.65	19.48	20.5
48	PI2 BPSK	50	28	19.60	19.70	19.60	20.5
48	PI2 BPSK	50	56	19.61	19.68	19.48	20.5
48	PI2 BPSK	100	0	19.45	19.63	19.53	20.5
48	QPSK	1	1	19.70	19.84	19.70	20.5
48	QPSK	1	53	19.64	19.76	19.63	20.5
48	QPSK	1	104	19.60	19.72	19.65	20.5
48	QPSK	50	0	19.63	19.70	19.63	20.5
48	QPSK	50	28	19.67	19.76	19.73	20.5
48	QPSK	50	56	19.62	19.65	19.63	20.5
48	QPSK	100	0	19.60	19.70	19.63	20.5
48	ISQAM	1	1	19.72	19.75	19.63	20.5
48	ISQAM	1	1	19.65	19.72	19.69	20.5
48	256QAM	1	1	19.69	19.09	19.08	19.5
Channel							
30	Frequency (MHz)	1	1	19.72	19.74	19.86	20.5
Channel							
20	Frequency (MHz)	1	1	19.65	19.73	19.65	20.5
Channel							
15	Frequency (MHz)	1	1	19.71	19.75	19.71	20.5
Channel							
18	Frequency (MHz)	1	1	19.66	19.73	19.73	20.5

Part27Q_n77_Ant 4							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
100	Frequency (MHz)	1	1	20.75	20.75	20.75	
100	PI2 BPSK	1	137	20.59	20.59	20.59	21.5
100	PI2 BPSK	1	271	20.59	20.59	20.59	21.5
100	PI2 BPSK	135	0	20.57	20.57	20.57	21.5
100	PI2 BPSK	135	69	20.61	20.61	20.61	21.5
100	PI2 BPSK	135	138	20.59	20.59	20.59	21.5
100	PI2 BPSK	270	0	20.51	20.51	20.51	21.5
100	QPSK	1	1	20.80	20.80	20.80	21.5
100	QPSK	1	137	20.58	20.58	20.58	21.5
100	QPSK	1	271	20.55	20.55	20.55	21.5
100	QPSK	135	0	20.63	20.63	20.63	21.5
100	QPSK	135	69	20.56	20.56	20.56	21.5
100	QPSK	135	138	20.63	20.63	20.63	21.5
100	QPSK	270	0	20.53	20.53	20.53	21.5
100	ISQAM	1	1	20.72	20.72	20.72	21.5
100	ISQAM	1	1	20.67	20.67	20.67	21.5
100	256QAM	1	1	20.74	20.74	20.74	21.5
Channel							
80	Frequency (MHz)	1	1	20.66	20.67	20.63	21.5
Channel							
60	Frequency (MHz)	1	1	20.63	20.72	20.70	21.5
Channel							
70	Frequency (MHz)	1	1	20.59	20.65	20.73	21.5
Channel							
60	Frequency (MHz)	1	1	20.67	20.69	20.69	21.5
Channel							
50	Frequency (MHz)	1	1	20.61	20.75	20.69	21.5
Channel							
40	Frequency (MHz)	1	1	20.61	20.70	20.72	21.5
Channel							
30	Frequency (MHz)	1	1	20.61	20.75	20.66	21.5
Channel							
25	Frequency (MHz)	1	1	20.67	20.72	20.73	21.5
Channel							
20	Frequency (MHz)	1	1	20.64	20.73	20.68	21.5
Channel							
15	Frequency (MHz)	1	1	20.84	20.83	20.73	21.5
Channel							
10	Frequency (MHz)	1	1	20.68	20.69	20.67	21.5



Part27Q_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	20.57	20.63	20.69	21.5	0.0	
100	PIQ BPSK	1	137	20.63	20.69	20.75	21.5	0.0	
100	PIQ BPSK	1	271	20.69	20.75	20.81	21.5	0.0	
100	PIQ BPSK	135	0	20.75	20.81	20.87	21.5	0.0	
100	PIQ BPSK	135	66	20.81	20.87	20.93	21.5	0.0	
100	PIQ BPSK	135	138	20.87	20.93	20.99	21.5	0.0	
100	PIQ BPSK	270	0	20.93	20.99	21.05	21.5	0.0	
100	QPSK	1	1	20.74	20.80	20.86	21.5	0.0	
100	QPSK	1	137	20.80	20.86	20.92	21.5	0.0	
100	QPSK	1	271	20.86	20.92	20.98	21.5	0.0	
100	QPSK	135	0	20.92	20.98	21.04	21.5	0.0	
100	QPSK	135	66	20.98	21.04	21.10	21.5	0.0	
100	QPSK	135	138	21.04	21.10	21.16	21.5	0.0	
100	QPSK	270	0	21.10	21.16	21.22	21.5	0.0	
100	8QAM	1	1	20.95	21.01	21.07	21.5	0.0	
100	8QAM	1	1	20.99	21.05	21.11	21.5	0.0	
100	256QAM	1	1	20.99	21.05	21.11	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.83	20.89	20.95	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.83	20.89	20.95	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.56	20.62	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.59	20.65	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.63	20.69	20.75	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.57	20.63	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.54	20.60	20.66	21.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.52	23.58	23.64	24.5	0.0	
100	PIQ BPSK	1	137	23.43	23.49	23.55	24.5	0.0	
100	PIQ BPSK	1	271	23.49	23.55	23.61	24.5	0.0	
100	PIQ BPSK	135	0	23.55	23.61	23.67	24.5	0.0	
100	PIQ BPSK	135	66	23.61	23.67	23.73	24.5	0.0	
100	PIQ BPSK	135	138	23.67	23.73	23.79	24.5	0.0	
100	PIQ BPSK	270	0	23.73	23.79	23.85	24.5	0.0	
100	QPSK	1	1	23.52	23.58	23.64	24.5	0.0	
100	QPSK	1	137	23.58	23.64	23.70	24.5	0.0	
100	QPSK	1	271	23.64	23.70	23.76	24.5	0.0	
100	QPSK	135	0	23.70	23.76	23.82	24.5	0.0	
100	QPSK	135	66	23.76	23.82	23.88	24.5	0.0	
100	QPSK	135	138	23.82	23.88	23.94	24.5	0.0	
100	QPSK	270	0	23.88	23.94	24.00	24.5	0.0	
100	8QAM	1	1	23.57	23.63	23.69	24.5	0.0	
100	8QAM	1	1	23.61	23.67	23.73	24.5	0.0	
100	256QAM	1	1	23.61	23.67	23.73	24.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.46	23.52	23.58	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.44	23.50	23.56	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.48	23.54	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.50	23.56	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.43	23.49	23.55	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.52	23.58	23.64	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.50	23.56	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.51	23.57	23.63	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.45	23.51	23.57	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.47	23.53	23.59	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.43	23.49	23.55	24.5	0.0	



Part270_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Init (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	20.65	20.63	20.75			
100	PIQ BPSK	1	137	20.52	20.74	20.66	21.5	0.0	
100	PIQ BPSK	1	271	20.59	20.69	20.69			
100	PIQ BPSK	135	0	20.36	20.69	20.40	21.5	0.0	
100	PIQ BPSK	135	69	20.45	20.70	20.59	21.5	0.0	
100	PIQ BPSK	135	138	20.40	20.59	20.59	21.5	0.0	
100	PIQ BPSK	270	0	20.42	20.59	20.57			
100	QPSK	1	1	20.73	20.69	20.69			
100	QPSK	1	137	20.59	20.64	20.73	21.5	0.0	
100	QPSK	1	271	20.68	20.76	20.72			
100	QPSK	135	0	20.44	20.73	20.60	21.5	0.0	
100	QPSK	135	69	20.57	20.76	20.76	21.5	0.0	
100	QPSK	135	138	20.49	20.73	20.60	21.5	0.0	
100	QPSK	270	0	20.54	20.69	20.64			
100	8QAM	1	1	20.68	20.76	20.79	21.5	0.0	
100	8QAM	1	1	20.84	20.79	20.80	21.5	0.0	
100	256QAM	1	1	20.88	20.77	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.60	20.80	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.59	20.74	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.84	20.77	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.68	20.73	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.62	20.74	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.58	20.76	20.80	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.60	20.76	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.81	20.74	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.88	20.70	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.62	20.75	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.66	20.62	20.70	21.5	0.0	

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Init (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.63	23.60	23.58			
100	PIQ BPSK	1	137	23.53	23.67	23.54	24.5	0.0	
100	PIQ BPSK	1	271	23.58	23.66	23.61			
100	PIQ BPSK	135	0	23.38	23.66	23.51	24.5	0.0	
100	PIQ BPSK	135	69	23.58	23.69	23.45	24.5	0.0	
100	PIQ BPSK	135	138	23.48	23.61	23.34	24.5	0.0	
100	PIQ BPSK	270	0	23.69	23.61	23.58			
100	QPSK	1	1	23.70	23.69	23.69			
100	QPSK	1	137	23.62	23.74	23.63	24.5	0.0	
100	QPSK	1	271	23.71	23.72	23.58			
100	QPSK	135	0	23.50	23.69	23.44	24.5	0.0	
100	QPSK	135	69	23.59	23.66	23.56	24.5	0.0	
100	QPSK	135	138	23.56	23.74	23.49	24.5	0.0	
100	QPSK	270	0	23.58	23.75	23.48			
100	8QAM	1	1	23.67	23.71	23.69	24.5	0.0	
100	8QAM	1	1	23.63	23.70	23.62	24.5	0.0	
100	256QAM	1	1	23.78	23.70	23.66	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.63	23.76	23.66	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.70	23.76	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.69	23.73	23.66	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.69	23.79	23.67	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.66	23.79	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.63	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.69	23.77	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.68	23.72	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.63	23.77	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.67	23.77	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.71	23.74	23.59	24.5	0.0	



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3740				
100	1/2 BPSK	1	1	23.52			24.5	0.0
100	1/2 BPSK	1	137	23.37			24.5	0.0
100	1/2 BPSK	1	271	23.46			24.5	0.0
100	1/2 BPSK	135	0	23.33			24.5	0.0
100	1/2 BPSK	135	69	23.47			24.5	0.0
100	1/2 BPSK	135	138	23.28			24.5	0.0
100	1/2 BPSK	270	0	23.28			24.5	0.0
100	QPSK	1	1	23.55				
100	QPSK	1	137	23.36			24.5	0.0
100	QPSK	1	271	23.57				
100	QPSK	135	0	23.48			24.5	0.0
100	QPSK	135	69	23.35			24.5	0.0
100	QPSK	135	138	23.41			24.5	0.0
100	QPSK	270	0	23.43			24.5	0.0
100	BQAM	1	1	23.54			24.5	0.0
100	BQAM	1	1	23.53			24.5	0.0
100	BQAM	1	1	21.69	25.00	27.25	24.5	2.0
Channel				3745.00	3750.00	3755.00	24.5	0.0
Frequency (MHz)				3745.00	3750	3754.98		
90	QPSK	1	1	23.44	23.60	23.43	24.5	0.0
Channel				3745.35	3750.00	3755.00	24.5	0.0
Frequency (MHz)				3745.01	3750	3755.99		
80	QPSK	1	1	23.42	23.58	23.53	24.5	0.0
Channel				3750.00	3755.00	3760.00	24.5	0.0
Frequency (MHz)				3755	3750	3765		
70	QPSK	1	1	23.44	23.53	23.46	24.5	0.0
Channel				3750.02	3750	3760.98		
Frequency (MHz)				3750.02	3750	3760.98		
60	QPSK	1	1	23.51	23.58	23.53	24.5	0.0
Channel				3755.15	3755.00	3765.00	24.5	0.0
Frequency (MHz)				3755.01	3750	3774.99		
50	QPSK	1	1	23.44	23.53	23.43	24.5	0.0
Channel				3755.00	3755.00	3765.00	24.5	0.0
Frequency (MHz)				3750	3750	3760		
40	QPSK	1	1	23.47	23.57	23.46	24.5	0.0
Channel				3755.02	3755.00	3765.98		
Frequency (MHz)				3755.02	3750	3764.98		
30	QPSK	1	1	23.47	23.53	23.47	24.5	0.0
Channel				3755.09	3755.00	3765.00	24.5	0.0
Frequency (MHz)				3752.5	3750	3757.5		
25	QPSK	1	1	23.43	23.53	23.43	24.5	0.0
Channel				3755.13	3755.00	3765.00	24.5	0.0
Frequency (MHz)				3750.51	3750	3759.50		
20	QPSK	1	1	23.51	23.51	23.43	24.5	0.0
Channel				3755.18	3755.00	3765.00	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3757.50	3750	3756.50		
15	QPSK	1	1	23.45	23.51	23.40	24.5	0.0
Channel				3755.00	3755.00	3765.00	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3705		
10	QPSK	1	1	23.51	23.53	23.49	24.5	0.0



Part27Q_n78_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	20.48	20.48	20.48	0.0
100	PI2 BPSK	1	137	20.32	20.32	20.32	0.0
100	PI2 BPSK	1	271	20.34	20.34	20.34	0.0
100	PI2 BPSK	135	0	20.30	20.30	20.30	0.0
100	PI2 BPSK	135	69	20.29	20.29	20.29	0.0
100	PI2 BPSK	135	138	20.24	20.24	20.24	0.0
100	PI2 BPSK	270	0	20.20	20.20	20.20	0.0
100	QPSK	1	1	20.53	20.53	20.53	0.0
100	QPSK	1	137	20.36	20.36	20.36	0.0
100	QPSK	1	271	20.43	20.43	20.43	0.0
100	QPSK	135	0	20.36	20.36	20.36	0.0
100	QPSK	135	69	20.42	20.42	20.42	0.0
100	QPSK	135	138	20.31	20.31	20.31	0.0
100	QPSK	270	0	20.27	20.27	20.27	0.0
100	64QAM	1	1	20.42	20.42	20.42	0.0
100	64QAM	1	1	20.46	20.46	20.46	0.0
100	256QAM	1	1	20.48	20.48	20.48	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.17	20.39	20.28	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.16	20.41	20.27	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.17	20.47	20.28	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.20	20.41	20.28	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.21	20.40	20.34	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.16	20.38	20.28	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.21	20.46	20.31	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.17	20.46	20.33	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.20	20.42	20.28	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.19	20.39	20.33	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.16	20.41	20.28	0.0

Part27Q_n78(HPUe)_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	22.45	22.45	22.45	0.0
100	PI2 BPSK	1	137	23.40	23.40	23.40	0.0
100	PI2 BPSK	1	271	22.46	22.46	22.46	0.0
100	PI2 BPSK	135	0	23.30	23.30	23.30	0.0
100	PI2 BPSK	135	69	23.41	23.41	23.41	0.0
100	PI2 BPSK	135	138	23.32	23.32	23.32	0.0
100	PI2 BPSK	270	0	23.21	23.21	23.21	0.0
100	QPSK	1	1	23.50	23.50	23.50	0.0
100	QPSK	1	137	23.40	23.40	23.40	0.0
100	QPSK	1	271	23.24	23.24	23.24	0.0
100	QPSK	135	0	23.41	23.41	23.41	0.0
100	QPSK	135	69	23.32	23.32	23.32	0.0
100	QPSK	135	138	23.43	23.43	23.43	0.0
100	QPSK	270	0	23.25	23.25	23.25	0.0
100	64QAM	1	1	23.46	23.46	23.46	0.0
100	64QAM	1	1	23.51	23.51	23.51	0.0
100	256QAM	1	1	23.51	23.51	23.51	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	23.27	23.49	23.35	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.27	23.46	23.34	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	23.30	23.49	23.28	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.34	23.46	23.29	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.28	23.47	23.28	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.16	23.20	23.22	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.33	23.46	23.32	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	23.28	23.40	23.30	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.29	23.45	23.31	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	23.29	23.44	23.29	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	23.05	23.34	23.34	0.0

Part27Q_n78_Ant 8							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PI2 BPSK	1	1	20.69	20.69	20.69	0.0
100	PI2 BPSK	1	137	20.61	20.61	20.61	0.0
100	PI2 BPSK	1	271	20.68	20.68	20.68	0.0
100	PI2 BPSK	135	0	20.59	20.59	20.59	0.0
100	PI2 BPSK	135	69	20.62	20.62	20.62	0.0
100	PI2 BPSK	135	138	20.54	20.54	20.54	0.0
100	PI2 BPSK	270	0	20.47	20.47	20.47	0.0
100	QPSK	1	1	20.79	20.79	20.79	0.0
100	QPSK	1	137	20.72	20.72	20.72	0.0
100	QPSK	1	271	20.74	20.74	20.74	0.0
100	QPSK	135	0	20.68	20.68	20.68	0.0
100	QPSK	135	69	20.72	20.72	20.72	0.0
100	QPSK	135	138	20.61	20.61	20.61	0.0
100	QPSK	270	0	20.59	20.59	20.59	0.0
100	64QAM	1	1	20.71	20.71	20.71	0.0
100	64QAM	1	1	20.68	20.68	20.68	0.0
100	256QAM	1	1	20.68	20.68	20.68	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.58	20.71	20.61	0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.58	20.68	20.54	0.0
Channel							
Frequency (MHz)							
70	QPSK	1	1	20.54	20.74	20.58	0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.65	20.73	20.67	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.60	20.74	20.58	0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.63	20.72	20.56	0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.61	20.70	20.54	0.0
Channel							
Frequency (MHz)							
25	QPSK	1	1	20.64	20.64	20.58	0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.65	20.68	20.53	0.0
Channel							
Frequency (MHz)							
15	QPSK	1	1	20.60	20.72	20.60	0.0
Channel							
Frequency (MHz)							
10	QPSK	1	1	20.59	20.69	20.54	0.0



Part270_n78(HPUE)_Ant 8								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power Hgh Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				66000				
Frequency (MHz)				23.92				
100	PI2 BPSK	1	1	23.92			24.5	0.0
100	PI2 BPSK	1	137	23.55			24.5	0.0
100	PI2 BPSK	1	271	23.48			24.5	0.0
100	PI2 BPSK	135	0	23.47			24.5	0.0
100	PI2 BPSK	135	69	23.59			24.5	0.0
100	PI2 BPSK	135	138	23.46			24.5	0.0
100	PI2 BPSK	270	0	23.42			24.5	0.0
100	QPSK	1	1	23.73			24.5	0.0
100	QPSK	1	137	23.60			24.5	0.0
100	QPSK	1	271	23.59			24.5	0.0
100	QPSK	135	0	23.80			24.5	0.0
100	QPSK	135	69	23.55			24.5	0.0
100	QPSK	135	138	23.51			24.5	0.0
100	QPSK	270	0	23.53			24.5	0.0
100	16QAM	1	1	23.87			24.5	0.0
100	64QAM	1	1	23.62			24.5	0.0
100	256QAM	1	1	21.87			22.5	2.0
Channel				58888	58900	59232		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.46	23.80	23.86	24.5	0.0
Channel				61928	62000	62080		
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	23.39	23.64	23.52	24.5	0.0
Channel				61888	62000	62000		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.37	23.67	23.54	24.5	0.0
Channel				61828	62000	62132		
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	23.44	23.58	23.52	24.5	0.0
Channel				61828	62000	62132		
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	23.40	23.66	23.53	24.5	0.0
Channel				61800	62000	62000		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.40	23.66	23.53	24.5	0.0
Channel				61760	62000	62232		
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	23.43	23.67	23.58	24.5	0.0
Channel				61760	62000	62200		
Frequency (MHz)				3712.8	3750	3787.5		
25	QPSK	1	1	23.42	23.66	23.57	24.5	0.0
Channel				61728	62000	62080		
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	23.36	23.59	23.53	24.5	0.0
Channel				61716	62000	62132		
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	23.44	23.67	23.58	24.5	0.0
Channel				61705	62000	62080		
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.46	23.66	23.62	24.5	0.0



n2_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				374500	379000	379500	
Frequency (MHz)				1870	1880	1890	
40	PI2 BPSK	1	1	19.01	19.08	19.03	
40	PI2 BPSK	1	108	18.86	19.01	18.84	20.5
40	PI2 BPSK	1	214	18.96	19.01	19.06	
40	PI2 BPSK	108	0	18.77	19.01	18.91	20.5
40	PI2 BPSK	108	84	18.93	19.04	18.99	20.5
40	PI2 BPSK	108	108	18.85	18.95	18.88	
40	PI2 BPSK	216	0	18.73	18.84	18.89	20.5
40	QPSK	1	1	19.12	19.21	19.15	
40	QPSK	1	108	18.99	19.12	18.06	20.5
40	QPSK	1	214	19.02	19.15	19.13	
40	QPSK	108	0	18.97	19.08	18.86	20.5
40	QPSK	108	84	19.05	19.13	19.08	20.5
40	QPSK	108	108	18.94	19.02	18.99	
40	QPSK	216	0	18.88	18.95	18.83	20.5
40	16QAM	1	1	19.01	19.11	19.04	20.5
40	64QAM	1	1	19.01	19.07	19.05	20.5
40	256QAM	1	1	18.12	18.14	18.12	19.5
Channel				373500	376000	378500	
Frequency (MHz)				1897.5	1898	1899.5	
35	QPSK	1	1	19.00	19.06	19.13	20.5
Channel				373000	379000		
Frequency (MHz)				1885	1880	1895	
30	QPSK	1	1	19.02	19.13	19.13	20.5
Channel				372500	379000		
Frequency (MHz)				1862.5	1880	1897.5	
25	QPSK	1	1	19.07	19.12	19.09	20.5
Channel				372000	376000	380000	
Frequency (MHz)				1850	1880	1900	
20	QPSK	1	1	19.06	19.16	19.12	20.5
Channel				371500	376000	380500	
Frequency (MHz)				1837.5	1880	1922.5	
15	QPSK	1	1	18.98	19.05	19.05	20.5
Channel				371000	376000	381000	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	1	19.07	19.08	19.06	20.5
Channel				370500	376000	381500	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	1	19.07	19.06	19.05	20.5

n5_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.86	22.89	22.86	
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0
20	PI2 BPSK	1	104	22.76	22.76	22.70	
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5
20	PI2 BPSK	50	28	22.78	22.86	22.81	24.0
20	PI2 BPSK	50	56	22.28	22.40	22.28	
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5
20	QPSK	1	1	22.57	22.80	22.51	
20	QPSK	1	53	22.70	22.83	22.74	24.0
20	QPSK	1	104	22.80	22.87	22.80	
20	QPSK	50	0	21.93	22.04	22.02	23.0
20	QPSK	50	28	22.33	22.87	22.56	24.0
20	QPSK	50	56	21.99	22.02	22.01	
20	QPSK	100	0	21.84	21.86	21.88	23.0
20	16QAM	1	1	21.97	22.01	21.90	23.0
20	64QAM	1	1	20.46	20.50	20.37	21.5
20	256QAM	1	1	18.82	18.89	18.48	19.5
Channel				166300	167300	168300	
Frequency (MHz)				811.5	836.5	841.5	
15	QPSK	1	1	22.81	22.76	22.70	24.0
Channel				165800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	22.77	22.75	22.73	24.0
Channel				165300	167300	169300	
Frequency (MHz)				856.5	836.5	856.5	
5	QPSK	1	1	22.72	22.79	22.73	24.0

n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.86	22.77	22.83	
20	PI2 BPSK	1	53	22.80	22.74	22.59	24.0
20	PI2 BPSK	1	104	22.82	22.70	22.85	
20	PI2 BPSK	50	0	22.28	22.33	22.32	23.5
20	PI2 BPSK	50	28	22.70	22.76	22.81	24.0
20	PI2 BPSK	50	56	22.15	22.28	22.19	
20	PI2 BPSK	100	0	22.20	22.25	22.34	23.5
20	QPSK	1	1	22.75	22.80	22.72	
20	QPSK	1	53	22.80	22.73	22.81	24.0
20	QPSK	1	104	22.73	22.75	22.63	
20	QPSK	50	0	21.82	21.88	21.74	23.0
20	QPSK	50	28	22.82	22.77	22.57	24.0
20	QPSK	50	56	21.82	21.86	21.85	
20	QPSK	100	0	21.75	21.80	21.76	23.0
20	16QAM	1	1	21.87	21.88	21.88	23.0
20	64QAM	1	1	20.35	20.38	20.25	21.5
20	256QAM	1	1	18.43	18.45	18.34	19.5
Channel				166300	167300	168300	
Frequency (MHz)				811.5	836.5	841.5	
15	QPSK	1	1	22.70	22.73	22.71	24.0
Channel				165800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	22.61	22.73	22.63	24.0
Channel				165300	167300	169300	
Frequency (MHz)				856.5	836.5	856.5	
5	QPSK	1	1	22.70	22.70	22.57	24.0



n7_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50000	51000			
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	16.79	16.88	16.77			
40	Pl2 BPSK	1	108	16.85	16.76	16.72	18.0	0.0	
40	Pl2 BPSK	1	214	16.84	16.77	16.73			
40	Pl2 BPSK	108	0	16.44	16.61	16.54	18.0	0.0	
40	Pl2 BPSK	108	54	16.59	16.76	16.87			
40	Pl2 BPSK	108	108	16.46	16.68	16.57			
40	Pl2 BPSK	216	0	16.51	16.66	16.60	18.0	0.0	
40	QPSK	1	1	16.84	16.88	16.92			
40	QPSK	1	108	16.75	16.84	16.87	18.0	0.0	
40	QPSK	1	214	16.74	16.87	16.80			
40	QPSK	108	0	16.87	16.76	16.83	18.0	0.0	
40	QPSK	108	54	16.71	16.88	16.77			
40	QPSK	108	108	16.57	16.79	16.66	18.0	0.0	
40	QPSK	216	0	16.88	16.79	16.87			
40	16QAM	1	1	16.79	16.87	16.87	18.0	0.0	
40	16QAM	1	1	16.75	16.93	16.86	18.0	0.0	
40	256QAM	1	1	16.72	16.91	16.87	18.0	0.0	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2514.5	2535	2552.5			
35	QPSK	1	1	16.69	16.83	16.77	18.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	16.71	16.83	16.87	18.0	0.0	
Channel				502500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2567.5			
25	QPSK	1	1	16.78	16.87	16.81	18.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	16.73	16.93	16.81	18.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	16.76	16.84	16.82	18.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	16.70	16.93	16.79	18.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	16.78	16.85	16.79	18.0	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				143000	141500	143000			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.82	23.05	22.91			
15	Pl2 BPSK	1	40	23.01	23.08	22.99	24.0	0.0	
15	Pl2 BPSK	1	77	22.90	23.01	22.97			
15	Pl2 BPSK	36	0	22.49	22.99	22.96	23.5	0.5	
15	Pl2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pl2 BPSK	36	43	22.49	22.80	22.45			
15	Pl2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.80	22.02	22.00	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.86	21.83			
15	16QAM	1	1	21.94	22.06	21.99	23.0	1.0	
15	16QAM	1	1	20.80	20.72	20.84	21.5	2.5	
15	256QAM	1	1	18.84	18.55	18.54	18.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.99	22.96	22.82	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.96	23.02	22.89	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				143000	141500	143000			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79			
15	Pl2 BPSK	1	40	22.68	22.80	22.74	24.0	0.0	
15	Pl2 BPSK	1	77	22.73	22.78	22.69			
15	Pl2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	Pl2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	36	43	22.33	22.48	22.36			
15	Pl2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.68	22.81	22.75			
15	QPSK	36	0	21.85	21.88	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.86	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76			
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0	
15	16QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	16QAM	1	1	20.28	20.39	20.31	21.5	2.5	
15	256QAM	1	1	18.35	18.40	18.32	18.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	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									
Frequency (MHz)									
158000									
10	Pl2 BPSK	1	1	23.30					
10	Pl2 BPSK	1	26	23.22			24.0	0.0	
10	Pl2 BPSK	1	50	23.26			23.5	0.5	
10	Pl2 BPSK	25	0	22.75			24.0	0.0	
10	Pl2 BPSK	25	14	23.25			24.0	0.0	
10	Pl2 BPSK	25	27	22.77			23.5	0.5	
10	Pl2 BPSK	50	0	22.72					
10	QPSK	1	1	23.37					
10	QPSK	1	26	23.30			24.0	0.0	
10	QPSK	1	50	23.33					
10	QPSK	25	0	22.05			23.0	1.0	
10	QPSK	25	14	23.26			24.0	0.0	
10	QPSK	25	27	22.10			23.0	1.0	
10	QPSK	50	0	22.02					
10	16QAM	1	1	22.39			23.0	1.0	
10	16QAM	1	1	20.88			21.5	2.5	
10	256QAM	1	1	18.90			19.5	4.5	
Channel									
Frequency (MHz)									
158100 158600 159100									
5	QPSK	1	1	23.32	23.29	23.25	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									
Frequency (MHz)									
158000									
10	Pl2 BPSK	1	1	23.00					
10	Pl2 BPSK	1	26	23.02			24.0	0.0	
10	Pl2 BPSK	1	50	22.96			23.5	0.5	
10	Pl2 BPSK	25	0	22.58			24.0	0.0	
10	Pl2 BPSK	25	14	22.99			24.0	0.0	
10	Pl2 BPSK	25	27	22.50			23.5	0.5	
10	Pl2 BPSK	50	0	22.54					
10	QPSK	1	1	23.07					
10	QPSK	1	26	23.03			24.0	0.0	
10	QPSK	1	50	23.00					
10	QPSK	25	0	22.10			23.0	1.0	
10	QPSK	25	14	23.06			24.0	0.0	
10	QPSK	25	27	22.02			23.0	1.0	
10	QPSK	50	0	22.07					
10	16QAM	1	1	22.00			23.0	1.0	
10	16QAM	1	1	20.44			21.5	2.5	
10	256QAM	1	1	18.50			19.5	4.5	
Channel									
Frequency (MHz)									
158100 158600 159100									
5	QPSK	1	1	22.90	22.95	22.85	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									
Frequency (MHz)									
1870 1882.5 1895									
40	Pl2 BPSK	1	1	20.80	20.85	20.82			
40	Pl2 BPSK	1	108	20.76	20.75	20.50	21.5	0.0	
40	Pl2 BPSK	1	214	20.66	20.75	20.52			
40	Pl2 BPSK	108	0	20.53	20.66	20.52	21.5	0.0	
40	Pl2 BPSK	108	54	20.67	20.78	20.56			
40	Pl2 BPSK	108	108	20.66	20.81	20.54	21.5	0.0	
40	Pl2 BPSK	216	0	20.81	20.84	20.49			
40	QPSK	1	1	20.98	20.90	20.77			
40	QPSK	1	108	20.84	20.85	20.64	21.5	0.0	
40	QPSK	1	214	20.76	20.82	20.66			
40	QPSK	108	0	20.67	20.73	20.58	21.5	0.0	
40	QPSK	108	54	20.82	20.84	20.70	21.5	0.0	
40	QPSK	108	108	20.77	20.71	20.65	21.5	0.0	
40	QPSK	216	0	20.71	20.77	20.64			
40	16QAM	1	1	20.83	20.81	20.65	21.5	0.0	
40	16QAM	1	1	20.83	20.81	20.64	21.5	0.0	
40	256QAM	1	1	18.77	18.80	18.68	19.5	2.0	
Channel									
Frequency (MHz)									
187500 187500 187500									
35	QPSK	1	1	20.79	20.81	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
1865 1882.5 1900									
30	QPSK	1	1	20.81	20.81	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
1882.5 1882.5 1882.5									
25	QPSK	1	1	20.82	20.81	20.64	21.5	0.0	
Channel									
Frequency (MHz)									
1890 1882.5 1905									
20	QPSK	1	1	20.84	20.84	20.62	21.5	0.0	
Channel									
Frequency (MHz)									
1871500 1875000 1881500									
15	QPSK	1	1	20.81	20.78	20.62	21.5	0.0	
Channel									
Frequency (MHz)									
1885 1882.5 1910									
10	QPSK	1	1	20.79	20.82	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
1892.5 1882.5 1912.5									
5	QPSK	1	1	20.75	20.81	20.67	21.5	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										
Frequency (MHz)										
1870 1882.5 1895										
40	Pi2 BPSK	1	1	20.27	20.30	20.24				
40	Pi2 BPSK	1	108	20.16	20.23	20.12	21.0	0.0		
40	Pi2 BPSK	1	214	20.14	20.23	20.08				
40	Pi2 BPSK	108	0	20.13	20.15	20.05	21.0	0.0		
40	Pi2 BPSK	108	54	20.11	20.15	20.07	21.0	0.0		
40	Pi2 BPSK	108	108	20.11	20.07	20.04				
40	Pi2 BPSK	216	0	20.14	20.11	20.01	21.0	0.0		
40	QPSK	1	1	20.32	20.35	20.31				
40	QPSK	1	108	20.26	20.30	20.19	21.0	0.0		
40	QPSK	1	214	20.19	20.30	20.22				
40	QPSK	108	0	20.19	20.21	20.11	21.0	0.0		
40	QPSK	108	54	20.28	20.27	20.20	21.0	0.0		
40	QPSK	108	108	20.16	20.19	20.12	21.0	0.0		
40	QPSK	216	0	20.19	20.20	20.12				
40	16QAM	1	1	20.24	20.25	20.22	21.0	0.0		
40	16QAM	1	1	20.17	20.20	20.17	21.0	0.0		
40	256QAM	1	1	18.73	18.83	18.67	19.5	1.5		
Channel										
Frequency (MHz)										
37500 37600 376500										
35	QPSK	1	1	20.27	20.24	20.26	21.0	0.0		
Channel										
Frequency (MHz)										
373000 376500 380000										
30	QPSK	1	1	20.23	20.20	20.19	21.0	0.0		
Channel										
Frequency (MHz)										
1865 1882.5 1900										
25	QPSK	1	1	20.28	20.22	20.21	21.0	0.0		
Channel										
Frequency (MHz)										
372000 376500 381000										
20	QPSK	1	1	20.23	20.27	20.23	21.0	0.0		
Channel										
Frequency (MHz)										
371500 376500 381500										
15	QPSK	1	1	18.75	18.73	18.73	19.0	0.0		
Channel										
Frequency (MHz)										
371000 376500 382000										
10	QPSK	1	1	20.20	20.28	20.22	21.0	0.0		
Channel										
Frequency (MHz)										
1882.5 1882.5 1912.5										
5	QPSK	1	1	20.25	20.26	20.26	21.0	0.0		

n25_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
1870 1882.5 1895										
40	Pi2 BPSK	1	1	16.47	16.54	16.49				
40	Pi2 BPSK	1	108	16.32	16.47	16.34	17.5	0.0		
40	Pi2 BPSK	1	214	16.47	16.51	16.46				
40	Pi2 BPSK	108	0	16.43	16.37	16.19	17.5	0.0		
40	Pi2 BPSK	108	54	16.48	16.48	16.38	17.5	0.0		
40	Pi2 BPSK	108	108	16.36	16.38	16.22				
40	Pi2 BPSK	216	0	16.36	16.35	16.29	17.5	0.0		
40	QPSK	1	1	16.61	16.68	16.50				
40	QPSK	1	108	16.46	16.61	16.46	17.5	0.0		
40	QPSK	1	214	16.55	16.56	16.53				
40	QPSK	108	0	16.46	16.50	16.31	17.5	0.0		
40	QPSK	108	54	16.54	16.50	16.45	17.5	0.0		
40	QPSK	108	108	16.41	16.46	16.32	17.5	0.0		
40	QPSK	216	0	16.44	16.45	16.35				
40	16QAM	1	1	16.46	16.63	16.47	17.5	0.0		
40	16QAM	1	1	16.50	16.59	16.52	17.5	0.0		
40	256QAM	1	1	16.47	16.61	16.48	17.5	0.0		
Channel										
Frequency (MHz)										
37500 37600 376500										
35	QPSK	1	1	16.50	16.61	16.47	17.5	0.0		
Channel										
Frequency (MHz)										
373000 376500 380000										
30	QPSK	1	1	16.46	16.58	16.48	17.5	0.0		
Channel										
Frequency (MHz)										
1865 1882.5 1900										
25	QPSK	1	1	16.51	16.61	16.52	17.5	0.0		
Channel										
Frequency (MHz)										
372000 376500 381000										
20	QPSK	1	1	16.52	16.54	16.50	17.5	0.0		
Channel										
Frequency (MHz)										
371500 376500 381500										
15	QPSK	1	1	16.75	16.73	16.73	17.5	0.0		
Channel										
Frequency (MHz)										
371000 376500 382000										
10	QPSK	1	1	16.55	16.62	16.51	17.5	0.0		
Channel										
Frequency (MHz)										
1882.5 1882.5 1912.5										
5	QPSK	1	1	16.53	16.56	16.48	17.5	0.0		

n25_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
1870 1882.5 1895										
40	Pi2 BPSK	1	1	19.28	19.29	19.35				
40	Pi2 BPSK	1	108	19.15	19.20	19.19	20.5	0.0		
40	Pi2 BPSK	1	214	19.16	19.24	19.26				
40	Pi2 BPSK	108	0	19.02	19.22	19.13	20.5	0.0		
40	Pi2 BPSK	108	54	19.21	19.34	19.20	20.5	0.0		
40	Pi2 BPSK	108	108	19.05	19.22	19.22				
40	Pi2 BPSK	216	0	19.06	19.13	19.12	20.5	0.0		
40	QPSK	1	1	19.40	19.44	19.42				
40	QPSK	1	108	19.27	19.30	19.28	20.5	0.0		
40	QPSK	1	214	19.25	19.39	19.34				
40	QPSK	108	0	19.15	19.34	19.26	20.5	0.0		
40	QPSK	108	54	19.25	19.36	19.28	20.5	0.0		
40	QPSK	108	108	19.19	19.27	19.27	20.5	0.0		
40	QPSK	216	0	19.19	19.27	19.26				
40	16QAM	1	1	19.35	19.30	19.28	20.5	0.0		
40	16QAM	1	1	19.26	19.29	19.32	20.5	0.0		
40	256QAM	1	1	18.35	18.42	18.38	19.5	1.0		
Channel										
Frequency (MHz)										
37500 37600 376500										
35	QPSK	1	1	19.28	19.33	19.30	20.5	0.0		
Channel										
Frequency (MHz)										
373000 376500 380000										
30	QPSK	1	1	19.25	19.30	19.37	20.5	0.0		
Channel										
Frequency (MHz)										
1865 1882.5 1900										
25	QPSK	1	1	19.30	19.35	19.28	20.5	0.0		
Channel										
Frequency (MHz)										
372000 376500 381000										
20	QPSK	1	1	19.27	19.35	19.35	20.5	0.0		
Channel										
Frequency (MHz)										
371500 376500 381500										
15	QPSK	1	1	19.34	19.33	19.34	20.5	0.0		
Channel										
Frequency (MHz)										
371000 376500 382000										
10	QPSK	1	1	19.35	19.30	19.29	20.5	0.0		
Channel										
Frequency (MHz)										
1882.5 1882.5 1912.5										
5	QPSK	1	1	19.27	19.33	19.28	20.5	0.0		



n26(FCC)_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				166000	166300	166600			
Frequency (MHz)				834	831.5	839			
20	Pl2 BPSK	1	1	22.88	22.93	23.02			
20	Pl2 BPSK	1	53	22.84	22.76	22.90	24.0	0.0	
20	Pl2 BPSK	1	104	22.83	22.93	22.96			
20	Pl2 BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.45	22.52			
20	Pl2 BPSK	100	0	22.40	22.47	22.50	23.5	0.5	
20	QPSK	1	1	23.03	23.01	23.05			
20	QPSK	1	53	23.01	22.95	23.04	24.0	0.0	
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0	
20	QPSK	50	28	22.91	22.98	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10			
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0	
20	16QAM	1	1	21.86	21.95	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	831.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				166800	166800	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	831.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_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	Pl2 BPSK	1	1	22.96	22.89	23.02			
20	Pl2 BPSK	1	53	22.78	22.75	22.90	24.0	0.0	
20	Pl2 BPSK	1	104	22.91	22.95	22.96			
20	Pl2 BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.50	22.52			
20	Pl2 BPSK	100	0	22.40	22.35	22.50	23.5	0.5	
20	QPSK	1	1	22.97	23.01	23.05			
20	QPSK	1	53	22.93	22.94	23.04	24.0	0.0	
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0	
20	QPSK	50	28	22.95	22.81	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10			
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0	
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_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				166500	166300	166300			
Frequency (MHz)				824	831.5	839			
20	Pl2 BPSK	1	1	22.76	22.79	22.87			
20	Pl2 BPSK	1	53	22.81	22.80	22.85	24.0	0.0	
20	Pl2 BPSK	1	104	22.74	22.77	22.79			
20	Pl2 BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.38	22.32	22.42			
20	Pl2 BPSK	100	0	22.33	22.37	22.44	23.5	0.5	
20	QPSK	1	1	22.97	22.97	22.85			
20	QPSK	1	53	22.75	22.70	22.80	24.0	0.0	
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95			
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0	
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	16QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				821.5	831.5	831.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				166800	166300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_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				166000	167000	168000			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.86	24.0	0.0	
20	Pl2 BPSK	1	104	22.75	22.74	22.76			
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42			
20	Pl2 BPSK	100	0	22.33	22.32	22.44	23.5	0.5	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.91	21.78	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.78	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95			
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	64QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	837.5			
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				168800	167900	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				169300	167900	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.42					
10	Pl2 BPSK	1	26	23.38			24.0	0.0	
10	Pl2 BPSK	1	50	23.47					
10	Pl2 BPSK	25	0	23.01			23.5	0.5	
10	Pl2 BPSK	25	14	23.48			24.0	0.0	
10	Pl2 BPSK	25	27	23.05			23.5	0.5	
10	Pl2 BPSK	50	0	23.03					
10	QPSK	1	1	23.50					
10	QPSK	1	26	23.45			24.0	0.0	
10	QPSK	1	50	23.47					
10	QPSK	25	0	22.46			23.0	1.0	
10	QPSK	25	14	23.43			24.0	0.0	
10	QPSK	25	27	22.49					
10	QPSK	50	0	22.45			23.0	1.0	
10	16QAM	1	1	22.48			23.0	1.0	
10	64QAM	1	1	20.96			21.5	2.5	
10	256QAM	1	1	19.00			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5			
5	QPSK	1	1	23.45	23.49	23.41	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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	19.95					
10	Pl2 BPSK	1	26	19.79			20.5	0.0	
10	Pl2 BPSK	1	50	19.78					
10	Pl2 BPSK	25	0	19.70			20.5	0.0	
10	Pl2 BPSK	25	14	19.81			20.5	0.0	
10	Pl2 BPSK	25	27	19.74			20.5	0.0	
10	Pl2 BPSK	50	0	19.77					
10	QPSK	1	1	20.00					
10	QPSK	1	26	19.85			20.5	0.0	
10	QPSK	1	50	19.90					
10	QPSK	25	0	19.94			20.5	0.0	
10	QPSK	25	14	19.95			20.5	0.0	
10	QPSK	25	27	19.87			20.5	0.0	
10	QPSK	50	0	19.90			20.5	0.0	
10	16QAM	1	1	19.94			20.5	0.0	
10	64QAM	1	1	19.89			20.5	0.0	
10	256QAM	1	1	18.82			19.5	1.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5			
5	QPSK	1	1	19.90	19.95	19.83	20.5	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					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	19.59	19.51	19.39	20.5	0.0	
10	Pl2 BPSK	1	26	19.51	19.28	19.28	20.5	0.0	
10	Pl2 BPSK	1	50	19.50	19.23	19.23	20.5	0.0	
10	Pl2 BPSK	25	0	19.44	19.25	19.25	20.5	0.0	
10	Pl2 BPSK	25	14	19.54	19.34	19.34	20.5	0.0	
10	Pl2 BPSK	25	27	19.39	19.26	19.26	20.5	0.0	
10	Pl2 BPSK	50	0	19.36	19.23	19.23	20.5	0.0	
10	QPSK	1	1	19.72	19.51	19.51	20.5	0.0	
10	QPSK	1	26	19.62	19.42	19.42	20.5	0.0	
10	QPSK	1	50	19.64	19.36	19.36	20.5	0.0	
10	QPSK	25	0	19.56	19.32	19.32	20.5	0.0	
10	QPSK	25	14	19.62	19.39	19.39	20.5	0.0	
10	QPSK	25	27	19.50	19.34	19.34	20.5	0.0	
10	QPSK	50	0	19.53	19.32	19.32	20.5	0.0	
10	16QAM	1	1	19.59	19.41	19.41	20.5	0.0	
10	16QAM	1	1	19.65	19.39	19.39	20.5	0.0	
10	256QAM	1	1	19.53	19.07	19.07	20.5	1.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	19.43	19.62	19.55	20.5	0.0	

n30_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	19.39	19.28	19.28	20.5	0.0	
10	Pl2 BPSK	1	26	19.28	19.28	19.28	20.5	0.0	
10	Pl2 BPSK	1	50	19.23	19.23	19.23	20.5	0.0	
10	Pl2 BPSK	25	0	19.25	19.25	19.25	20.5	0.0	
10	Pl2 BPSK	25	14	19.34	19.34	19.34	20.5	0.0	
10	Pl2 BPSK	25	27	19.26	19.26	19.26	20.5	0.0	
10	Pl2 BPSK	50	0	19.23	19.23	19.23	20.5	0.0	
10	QPSK	1	1	19.51	19.51	19.51	20.5	0.0	
10	QPSK	1	26	19.42	19.42	19.42	20.5	0.0	
10	QPSK	1	50	19.36	19.36	19.36	20.5	0.0	
10	QPSK	25	0	19.32	19.32	19.32	20.5	0.0	
10	QPSK	25	14	19.39	19.39	19.39	20.5	0.0	
10	QPSK	25	27	19.34	19.34	19.34	20.5	0.0	
10	QPSK	50	0	19.32	19.32	19.32	20.5	0.0	
10	16QAM	1	1	19.41	19.41	19.41	20.5	0.0	
10	16QAM	1	1	19.39	19.39	19.39	20.5	0.0	
10	256QAM	1	1	19.07	19.07	19.07	20.5	1.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	1	19.27	19.37	19.40	20.5	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				345000					
Frequency (MHz)				1730					
40	Pl2 BPSK	1	1	19.96	19.96	19.88	21.0	0.0	
40	Pl2 BPSK	1	108	19.79	19.79	19.83	21.0	0.0	
40	Pl2 BPSK	1	214	19.76	19.88	19.74	21.0	0.0	
40	Pl2 BPSK	108	0	19.75	19.80	19.71	21.0	0.0	
40	Pl2 BPSK	108	54	19.78	19.83	19.87	21.0	0.0	
40	Pl2 BPSK	108	108	19.74	19.77	19.78	21.0	0.0	
40	Pl2 BPSK	216	0	19.87	19.71	19.70	21.0	0.0	
40	QPSK	1	1	20.03	20.06	19.95	21.0	0.0	
40	QPSK	1	108	19.90	19.93	19.83	21.0	0.0	
40	QPSK	1	214	19.91	20.00	19.88	21.0	0.0	
40	QPSK	108	0	19.86	19.87	19.83	21.0	0.0	
40	QPSK	108	54	19.93	19.97	19.92	21.0	0.0	
40	QPSK	108	108	19.83	19.83	19.86	21.0	0.0	
40	QPSK	216	0	19.78	19.86	19.78	21.0	0.0	
40	16QAM	1	1	19.92	19.92	19.90	21.0	0.0	
40	16QAM	1	1	19.88	19.98	19.80	21.0	0.0	
40	256QAM	1	1	19.25	19.38	19.28	20.5	0.5	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5			
35	QPSK	1	1	19.90	19.94	19.92	21.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	19.95	19.99	19.90	21.0	0.0	
Channel				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	19.96	19.92	19.86	21.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	19.92	20.00	19.91	21.0	0.0	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	19.94	19.95	19.83	21.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	19.92	19.96	19.83	21.0	0.0	
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	19.97	19.92	19.88	21.0	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									
Frequency (MHz)									
				1730	1745	1760			
40	PlZ BPSK	1	1	19.39	19.35	19.34			
40	PlZ BPSK	1	108	19.19	19.21	19.23	20.5	0.0	
40	PlZ BPSK	1	214	19.22	19.26	19.19			
40	PlZ BPSK	108	0	19.17	19.25	19.04	20.5	0.0	
40	PlZ BPSK	108	54	19.28	19.34	19.24			
40	PlZ BPSK	108	108	19.10	19.16	19.05			
40	PlZ BPSK	216	0	19.27	19.23	19.07	20.5	0.0	
40	QPSK	1	1	19.45	19.47	19.41			
40	QPSK	1	108	19.33	19.33	19.32	20.5	0.0	
40	QPSK	1	214	19.38	19.34	19.30			
40	QPSK	108	0	19.29	19.32	19.18	20.5	0.0	
40	QPSK	108	54	19.37	19.40	19.35			
40	QPSK	108	108	19.25	19.30	19.20	20.5	0.0	
40	QPSK	216	0	19.32	19.33	19.22			
40	16QAM	1	1	19.35	19.42	19.32	20.5	0.0	
40	16QAM	1	1	19.32	19.42	19.27	20.5	0.0	
40	256QAM	1	1	19.23	19.36	19.21	20.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	1722.5	1745	1723.5	20.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	1725	1745	1765	21.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	1722.5	1745	1767.5	20.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.34	19.42	19.30	20.5	0.0	
Channel									
Frequency (MHz)									
				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1717.5	1745	1722.5	21.5	0.0	
Channel									
Frequency (MHz)									
				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.31	19.38	19.31	20.5	0.0	
Channel									
Frequency (MHz)									
				1715	1745	1775	20.5	0.0	
5	QPSK	1	1	19.33	19.40	19.28	20.5	0.0	

n66_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1730	1745	1760			
40	PlZ BPSK	1	1	18.73	18.88	18.89			
40	PlZ BPSK	1	108	18.84	18.72	18.52	19.5	0.0	
40	PlZ BPSK	1	214	18.83	18.75	18.52			
40	PlZ BPSK	108	0	18.49	18.61	18.43	19.5	0.0	
40	PlZ BPSK	108	54	18.81	18.74	18.56			
40	PlZ BPSK	108	108	18.42	18.63	18.44			
40	PlZ BPSK	216	0	18.44	18.60	18.49	19.5	0.0	
40	QPSK	1	1	18.81	18.93	18.77			
40	QPSK	1	108	18.75	18.83	18.83	19.5	0.0	
40	QPSK	1	214	18.75	18.84	18.89			
40	QPSK	108	0	18.56	18.76	18.53	19.5	0.0	
40	QPSK	108	54	18.96	18.92	18.92			
40	QPSK	108	108	18.57	18.68	18.54	19.5	0.0	
40	QPSK	216	0	18.51	18.70	18.56			
40	16QAM	1	1	18.76	18.79	18.71	19.5	0.0	
40	16QAM	1	1	18.74	18.83	18.67	19.5	0.0	
40	256QAM	1	1	18.70	18.83	18.63	19.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	1722.5	1745	1723.5	20.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.71	18.78	18.62	19.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.69	18.87	18.72	19.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	18.71	18.83	18.64	19.5	0.0	
Channel									
Frequency (MHz)									
				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1717.5	1745	1722.5	21.5	0.0	
Channel									
Frequency (MHz)									
				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.69	18.79	18.67	19.5	0.0	
Channel									
Frequency (MHz)									
				1715	1745	1775	20.5	0.0	
5	QPSK	1	1	18.73	18.81	18.67	19.5	0.0	

n66_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1730	1745	1760			
40	PlZ BPSK	1	1	20.22	20.23	20.17			
40	PlZ BPSK	1	108	20.12	20.14	20.10	21.5	0.0	
40	PlZ BPSK	1	214	20.09	20.17	20.12			
40	PlZ BPSK	108	0	19.99	20.02	19.98	21.5	0.0	
40	PlZ BPSK	108	54	20.12	20.12	20.03			
40	PlZ BPSK	108	108	20.03	20.05	19.94			
40	PlZ BPSK	216	0	19.97	20.05	19.89	21.5	0.0	
40	QPSK	1	1	20.31	20.35	20.29			
40	QPSK	1	108	20.25	20.28	20.21	21.5	0.0	
40	QPSK	1	214	20.17	20.23	20.17			
40	QPSK	108	0	20.12	20.13	20.04	21.5	0.0	
40	QPSK	108	54	20.17	20.24	20.17			
40	QPSK	108	108	20.12	20.17	20.02	21.5	0.0	
40	QPSK	216	0	20.03	20.16	20.03			
40	16QAM	1	1	20.24	20.26	20.22	21.5	0.0	
40	16QAM	1	1	20.20	20.24	20.20	21.5	0.0	
40	256QAM	1	1	18.33	18.50	18.38	19.5	2.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	1722.5	1745	1723.5	20.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	20.17	20.24	20.16	21.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	20.21	20.29	20.22	21.5	0.0	
Channel									
Frequency (MHz)									
				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	20.25	20.28	20.15	21.5	0.0	
Channel									
Frequency (MHz)									
				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	1717.5	1745	1722.5	21.5	0.0	
Channel									
Frequency (MHz)									
				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	20.26	20.28	20.19	21.5	0.0	
Channel									
Frequency (MHz)									
				1715	1745	1775	20.5	0.0	
5	QPSK	1	1	20.24	20.26	20.15	21.5	0.0	



n70_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pliz BPSK	1	1	1702.5	1702.5				
15	Pliz BPSK	1	40	22.55	22.55		23.0	0.0	
15	Pliz BPSK	1	77	22.40	22.40		23.0	0.0	
15	Pliz BPSK	36	0	22.27	22.27		23.0	0.0	
15	Pliz BPSK	36	22	22.42	22.42		23.0	0.0	
15	Pliz BPSK	36	43	22.39	22.39		23.0	0.0	
15	Pliz BPSK	75	0	22.33	22.33		23.0	0.0	
15	QPSK	1	1	22.67	22.67		23.0	0.0	
15	QPSK	1	40	22.60	22.60		23.0	0.0	
15	QPSK	1	77	22.54	22.54		23.0	0.0	
15	QPSK	36	0	22.42	22.42		23.0	0.0	
15	QPSK	36	22	22.54	22.54		23.0	0.0	
15	QPSK	36	43	22.48	22.48		23.0	0.0	
15	QPSK	75	0	22.40	22.40		23.0	0.0	
15	16QAM	1	1	22.53	22.53		23.0	0.0	
15	16QAM	1	1	21.15	21.15		19.5	1.5	
15	256QAM	1	1	19.12	19.12		18.5	3.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	33950	34050	34150	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1697.5	1702.5	1707.5	23.0	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									
Frequency (MHz)									
15	Pliz BPSK	1	1	1702.5	1702.5				
15	Pliz BPSK	1	40	22.95	22.95		24.0	0.0	
15	Pliz BPSK	1	77	22.88	22.88		24.0	0.0	
15	Pliz BPSK	36	0	22.90	22.90		23.5	0.5	
15	Pliz BPSK	36	22	22.45	22.45		24.0	0.0	
15	Pliz BPSK	36	43	22.42	22.42		23.5	0.5	
15	Pliz BPSK	75	0	22.50	22.50		23.5	0.5	
15	QPSK	1	1	23.00	23.00		24.0	0.0	
15	QPSK	1	40	22.90	22.90		24.0	0.0	
15	QPSK	1	77	22.84	22.84		23.0	1.0	
15	QPSK	36	0	22.96	22.96		24.0	0.0	
15	QPSK	36	22	22.92	22.92		23.0	1.0	
15	QPSK	36	43	22.02	22.02		23.0	1.0	
15	QPSK	75	0	22.00	22.00		23.0	1.0	
15	16QAM	1	1	22.06	22.06		21.5	2.5	
15	16QAM	1	1	20.55	20.55		19.5	4.5	
15	256QAM	1	1	18.60	18.60		18.5	4.5	
Channel									
Frequency (MHz)									
10	QPSK	1	1	1700	1702.5	1705	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	33950	34050	34150	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	1697.5	1702.5	1707.5	24.0	0.0	

n70_Ant 2											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel											
Frequency (MHz)											
15	Pliz BPSK	1	1	1702.5	1702.5						
15	Pliz BPSK	1	40	18.23	18.23		19.0	0.0			
15	Pliz BPSK	1	77	18.20	18.20		19.0	0.0			
15	Pliz BPSK	36	0	18.18	18.18		19.0	0.0			
15	Pliz BPSK	36	22	18.02	18.02		19.0	0.0			
15	Pliz BPSK	36	43	18.17	18.17		19.0	0.0			
15	Pliz BPSK	36	43	18.07	18.07		19.0	0.0			
15	Pliz BPSK	75	0	18.07	18.07		19.0	0.0			
15	QPSK	1	1	18.37	18.37		19.0	0.0			
15	QPSK	1	40	18.31	18.31		19.0	0.0			
15	QPSK	1	77	18.26	18.26		19.0	0.0			
15	QPSK	36	0	18.09	18.09		19.0	0.0			
15	QPSK	36	22	18.24	18.24		19.0	0.0			
15	QPSK	36	43	18.19	18.19		19.0	0.0			
15	QPSK	75	0	18.16	18.16		19.0	0.0			
15	16QAM	1	1	18.52	18.52		19.0	0.0			
15	16QAM	1	1	18.25	18.25		19.0	0.0			
15	256QAM	1	1	18.30	18.30		19.0	0.0			
Channel											
Frequency (MHz)											
10	QPSK	1	1	1700	1702.5	1705	19.0	0.0			
Channel											
Frequency (MHz)											
5	QPSK	1	1	33950	34050	34150	Tune-up limit (dBm)	MPR (dB)			
5	QPSK	1	1	1697.5	1702.5	1707.5	18.25	18.25	18.21	19.0	0.0



n70_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				340000					
15	PlZ BPSK	1	1		20.18				
15	PlZ BPSK	1	40		20.18		21.0	0.0	
15	PlZ BPSK	1	77		20.16		21.0	0.0	
15	PlZ BPSK	38	0	19.97	20.05	20.05	21.0	0.0	
15	PlZ BPSK	38	22		20.05		21.0	0.0	
15	PlZ BPSK	38	43		20.05		21.0	0.0	
15	PlZ BPSK	75	0		20.04		21.0	0.0	
15	QPSK	1	1		20.30				
15	QPSK	1	40		20.24		21.0	0.0	
15	QPSK	1	77		20.25				
15	QPSK	38	0		20.11		21.0	0.0	
15	QPSK	38	22		20.20		21.0	0.0	
15	QPSK	38	43		20.10		21.0	0.0	
15	QPSK	75	0		20.09				
15	16QAM	1	1		20.15		21.0	0.0	
15	16QAM	1	1		20.20		21.0	0.0	
15	256QAM	1	1		18.76		19.5	1.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	20.07	20.22	20.14	21.0	0.0	
Channel				339000	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	20.15	20.17	20.10	21.0	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									
Frequency (MHz)				136000					
20	PlZ BPSK	1	1		23.03	23.03	23.07		
20	PlZ BPSK	1	53		22.91	23.04	23.01	24.0	0.0
20	PlZ BPSK	1	104		23.06	23.02	23.02	24.0	0.0
20	PlZ BPSK	50	0	22.72	22.80	22.89	23.5	0.5	
20	PlZ BPSK	50	28		23.06	23.03	23.04	24.0	0.0
20	PlZ BPSK	50	56		22.88	22.81	22.83	23.5	0.5
20	PlZ BPSK	100	0	22.82	22.55	22.55			
20	QPSK	1	1		23.07	23.14	23.10		
20	QPSK	1	53		23.05	23.04	22.96	24.0	0.0
20	QPSK	1	104		23.03	23.12	22.88		
20	QPSK	50	0	22.86	22.15	22.09	23.0	1.0	
20	QPSK	50	28		22.97	23.10	23.07	24.0	0.0
20	QPSK	50	56		22.14	22.11	22.13	23.0	1.0
20	QPSK	100	0	22.03	22.05	22.03			
20	16QAM	1	1		22.03	22.15	22.02	23.0	1.0
20	16QAM	1	1		20.97	20.88	20.81	21.5	2.5
20	256QAM	1	1		18.83	18.68	18.55	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.86	23.06	22.96	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.96	23.03	22.99	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.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				136000					
20	PlZ BPSK	1	1		22.72	22.82	22.79		
20	PlZ BPSK	1	53		22.69	22.75	22.74	24.0	0.0
20	PlZ BPSK	1	104		22.69	22.80	22.65	24.0	0.0
20	PlZ BPSK	50	0	22.34	22.44	22.36	23.5	0.5	
20	PlZ BPSK	50	28		22.79	22.80	22.78	24.0	0.0
20	PlZ BPSK	50	56		22.36	22.39	22.35	23.5	0.5
20	PlZ BPSK	100	0	22.32	22.33	22.34			
20	QPSK	1	1		22.77	22.85	22.75		
20	QPSK	1	53		22.68	22.77	22.68	24.0	0.0
20	QPSK	1	104		22.69	22.83	22.69		
20	QPSK	50	0	21.79	21.89	21.84	23.0	1.0	
20	QPSK	50	28		22.72	22.80	22.71	24.0	0.0
20	QPSK	50	56		21.87	21.90	21.83	23.0	1.0
20	QPSK	100	0	21.73	21.82	21.67			
20	16QAM	1	1		21.83	21.86	21.76	23.0	1.0
20	16QAM	1	1		20.37	20.39	20.33	21.5	2.5
20	256QAM	1	1		18.30	18.40	18.32	19.5	4.5
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	695.5			
5	QPSK	1	1	22.66	22.78	22.63	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									
Frequency (MHz)									
40	Pi2 BPSK	1	1	22.94	23.05	22.99			
40	Pi2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pi2 BPSK	1	104	22.80	22.82	22.79			
40	Pi2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pi2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pi2 BPSK	50	56	22.68	22.75	22.60			
40	Pi2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.90	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	64QAM	1	1	20.85	20.96	20.81	22.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2582.01	2585	2584.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.93	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.01	22.94	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									
Frequency (MHz)									
40	Pi2 BPSK	1	1	20.76	20.90	20.77			
40	Pi2 BPSK	1	53	20.64	20.71	20.66	22.0	0.0	
40	Pi2 BPSK	1	104	20.72	20.79	20.75			
40	Pi2 BPSK	50	0	20.47	20.66	20.64	22.0	0.0	
40	Pi2 BPSK	50	28	20.66	20.81	20.67	22.0	0.0	
40	Pi2 BPSK	50	56	20.51	20.63	20.57			
40	Pi2 BPSK	100	0	20.48	20.69	20.58	22.0	0.0	
40	QPSK	1	1	20.88	20.96	20.90			
40	QPSK	1	53	20.77	20.84	20.80	22.0	0.0	
40	QPSK	1	104	20.83	20.88	20.84			
40	QPSK	50	0	20.58	20.77	20.71	22.0	0.0	
40	QPSK	50	28	20.75	20.98	20.76	22.0	0.0	
40	QPSK	50	56	20.62	20.76	20.68			
40	QPSK	100	0	20.63	20.80	20.71	22.0	0.0	
40	16QAM	1	1	20.80	20.90	20.82	22.0	0.0	
40	64QAM	1	1	20.76	20.91	20.77	22.0	0.0	
40	256QAM	1	1	18.77	18.77	18.70	20.0	2.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2582.01	2585	2584.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.78	20.91	20.78	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.80	20.81	20.80	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.83	20.82	20.82	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.82	20.81	20.75	22.0	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pi2 BPSK	1	1	17.84	18.00	17.80			
40	Pi2 BPSK	1	53	17.76	17.84	17.71	19.0	0.0	
40	Pi2 BPSK	1	104	17.85	17.91	17.86			
40	Pi2 BPSK	50	0	17.75	17.84	17.60	19.0	0.0	
40	Pi2 BPSK	50	28	17.87	17.92	17.64	19.0	0.0	
40	Pi2 BPSK	50	56	17.80	17.79	17.59			
40	Pi2 BPSK	100	0	17.72	17.76	17.68	19.0	0.0	
40	QPSK	1	1	17.99	18.12	17.85			
40	QPSK	1	53	17.90	17.99	17.77	19.0	0.0	
40	QPSK	1	104	17.90	18.06	17.81			
40	QPSK	50	0	17.88	17.94	17.65	19.0	0.0	
40	QPSK	50	28	17.93	18.02	17.75	19.0	0.0	
40	QPSK	50	56	17.87	17.89	17.73			
40	QPSK	100	0	17.80	17.88	17.72	19.0	0.0	
40	16QAM	1	1	17.87	18.05	17.82	19.0	0.0	
40	64QAM	1	1	17.90	18.06	17.80	19.0	0.0	
40	256QAM	1	1	17.88	18.01	17.74	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2582.01	2585	2584.99	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.84	18.01	17.83	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.84	18.01	17.74	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.87	18.03	17.74	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.84	17.98	17.76	19.0	0.0	



n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	16.69	16.68	16.61			
40	PI2 BPSK	1	53	16.61	16.63	16.54	18.0	0.0	
40	PI2 BPSK	1	104	16.52	16.60	16.48			
40	PI2 BPSK	50	0	16.40	16.55	16.43	18.0	0.0	
40	PI2 BPSK	50	28	16.55	16.67	16.49	18.0	0.0	
40	PI2 BPSK	50	56	16.44	16.48	16.38			
40	PI2 BPSK	100	0	16.46	16.57	16.42	18.0	0.0	
40	QPSK	1	1	16.70	16.60	16.65			
40	QPSK	1	53	16.69	16.71	16.62	18.0	0.0	
40	QPSK	1	104	16.67	16.70	16.56			
40	QPSK	50	0	16.45	16.65	16.48	18.0	0.0	
40	QPSK	50	28	16.62	16.73	16.55	18.0	0.0	
40	QPSK	50	56	16.56	16.59	16.52	18.0	0.0	
40	QPSK	100	0	16.55	16.68	16.53	18.0	0.0	
40	16QAM	1	1	16.61	16.65	16.54	18.0	0.0	
40	64QAM	1	1	16.66	16.66	16.62	18.0	0.0	
40	256QAM	1	1	16.65	16.73	16.62	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.65	16.72	16.54	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	16.63	16.73	16.57	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.61	16.68	16.55	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	16.71	16.65	16.61	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	16.63	16.72	16.56	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	PI2 BPSK	1	1	23.26	23.41	23.30			
100	PI2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0	
100	PI2 BPSK	1	271	23.32	23.34	23.26			
100	PI2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0	
100	PI2 BPSK	135	138	23.27	23.42	23.33			
100	PI2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0	
100	QPSK	1	1	23.35	23.45	23.31			
100	QPSK	1	137	23.29	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.18	23.35	23.27	24.0	0.0	
100	QPSK	135	138	23.24	23.36	23.29	24.0	0.0	
100	QPSK	270	0	23.40	23.42	23.28			
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0	
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.85	21.87	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.25	23.27	23.25	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.33	23.33	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.28	23.38	23.21	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.19	23.32	23.04	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	26.17	26.30	26.22		
100	PI2 BPSK	1	137	25.89	26.02	25.95	27.0	0.0
100	PI2 BPSK	1	271	25.79	25.90	25.84		
100	PI2 BPSK	135	0	25.51	25.62	25.55	26.5	0.5
100	PI2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0
100	PI2 BPSK	135	138	25.18	25.33	25.26	26.5	0.5
100	PI2 BPSK	270	0	25.37	25.52	25.44		
100	QPSK	1	1	25.85	25.98	25.91	27.0	0.0
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0
100	QPSK	1	271	25.82	25.94	25.88		
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0
100	QPSK	135	69	25.36	25.48	25.37	27.0	0.0
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0
100	QPSK	270	0	24.95	25.08	25.00		
100	16QAM	1	1	25.14	25.25	25.18	26.0	1.0
100	16QAM	1	1	23.82	23.77	23.62	24.5	2.5
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.41	25.52	25.44	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	25.21	25.32	25.18	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.02	26.15	26.05	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.03	26.29	26.25	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.06	26.17	26.11	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	21.23	21.32	21.28		
100	PI2 BPSK	1	137	21.02	21.28	21.16	22.0	0.0
100	PI2 BPSK	1	271	21.09	21.28	21.14		
100	PI2 BPSK	135	0	20.98	21.17	20.99	22.0	0.0
100	PI2 BPSK	135	69	21.12	21.28	21.15	22.0	0.0
100	PI2 BPSK	135	138	21.01	21.14	21.02	22.0	0.0
100	PI2 BPSK	270	0	21.03	21.16	21.04		
100	QPSK	1	1	21.22	21.37	21.24	22.0	0.0
100	QPSK	1	137	21.17	21.39	21.29	22.0	0.0
100	QPSK	1	271	21.20	21.36	21.26		
100	QPSK	135	0	21.13	21.31	21.10	22.0	0.0
100	QPSK	135	69	21.22	21.37	21.24	22.0	0.0
100	QPSK	135	138	21.14	21.28	21.12	22.0	0.0
100	QPSK	270	0	21.09	21.31	21.14	22.0	0.0
100	16QAM	1	1	21.17	21.34	21.23	22.0	0.0
100	16QAM	1	1	21.28	21.40	21.24	22.0	0.0
100	256QAM	1	1	21.23	21.32	21.33	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.15	21.33	21.33	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.18	21.39	21.32	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.19	21.32	21.30	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.27	21.41	21.30	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.26	21.35	21.31	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.18	21.39	21.23	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.19	21.38	21.23	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.29	21.38	21.22	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.25	21.34	21.23	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.16	21.34	21.29	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.23	21.41	21.28	22.0	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	24.08	24.10	23.98		
100	PI2 BPSK	1	137	23.87	23.99	23.89	25.0	0.0
100	PI2 BPSK	1	271	23.94	23.96	23.89		
100	PI2 BPSK	135	0	23.75	23.86	23.80	25.0	0.0
100	PI2 BPSK	135	69	23.84	24.07	23.82	25.0	0.0
100	PI2 BPSK	135	138	23.89	23.98	23.80	25.0	0.0
100	PI2 BPSK	270	0	23.85	23.91	23.74		
100	QPSK	1	1	24.16	24.18	24.05	25.0	0.0
100	QPSK	1	137	24.01	24.09	24.03	25.0	0.0
100	QPSK	1	271	24.03	24.10	23.96		
100	QPSK	135	0	23.87	24.02	23.85	25.0	0.0
100	QPSK	135	69	24.02	24.17	23.94	25.0	0.0
100	QPSK	135	138	23.95	24.08	23.86	25.0	0.0
100	QPSK	270	0	23.95	23.98	23.81	25.0	0.0
100	16QAM	1	1	24.08	24.12	24.04	25.0	0.0
100	16QAM	1	1	24.08	24.08	24.00	25.0	0.0
100	256QAM	1	1	22.07	22.13	22.07	23.0	2.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.00	24.07	23.97	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.07	24.08	24.03	25.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.99	24.10	23.98	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.05	24.10	24.01	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.00	24.11	24.00	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.06	24.03	24.03	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.08	24.13	24.00	25.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	23.97	24.15	23.95	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.95	24.03	23.87	25.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	24.04	24.02	23.97	25.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	24.08	24.06	23.94	25.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	18.14	18.33	18.13		
100	Pi2 BPSK	1	137	18.07	18.27	18.03	19.0	0.0
100	Pi2 BPSK	1	271	18.10	18.28	18.07		
100	Pi2 BPSK	135	9	18.05	18.20	17.96	19.0	0.0
100	Pi2 BPSK	135	69	18.13	18.32	17.98	19.0	0.0
100	Pi2 BPSK	135	138	18.00	18.20	17.95		
100	Pi2 BPSK	270	0	18.07	18.27	17.91	19.0	0.0
100	QPSK	1	1	18.30	18.41	18.11	19.0	0.0
100	QPSK	1	137	18.16	18.36	18.10	19.0	0.0
100	QPSK	1	271	18.15	18.37	18.16		
100	QPSK	135	0	18.12	18.32	18.01	19.0	0.0
100	QPSK	135	69	18.15	18.41	18.11	19.0	0.0
100	QPSK	135	138	18.32	18.03	18.03	19.0	0.0
100	QPSK	270	0	18.14	18.34	17.98		
100	16QAM	1	1	18.21	18.40	18.17	19.0	0.0
100	64QAM	1	1	18.20	18.37	18.15	19.0	0.0
100	256QAM	1	1	18.15	18.34	18.18	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.24	18.35	18.12	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.20	18.38	18.17	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.19	18.34	18.16	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.18	18.31	18.13	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.24	18.40	18.17	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.17	18.36	18.13	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.14	18.32	18.18	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.10	18.32	18.14	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.20	18.36	18.16	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.24	18.34	18.18	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.18	18.38	18.16	19.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	Pi2 BPSK	1	1	21.01	21.02	20.88		
100	Pi2 BPSK	1	137	20.90	20.99	20.83	22.0	0.0
100	Pi2 BPSK	1	271	20.93	20.91	20.82		
100	Pi2 BPSK	135	9	20.75	20.81	20.64	22.0	0.0
100	Pi2 BPSK	135	69	20.85	20.84	20.75	22.0	0.0
100	Pi2 BPSK	135	138	20.70	20.80	20.60		
100	Pi2 BPSK	270	0	20.71	20.85	20.59	22.0	0.0
100	QPSK	1	1	21.02	21.02	20.97		
100	QPSK	1	137	21.02	21.06	20.88	22.0	0.0
100	QPSK	1	271	20.97	21.05	20.90		
100	QPSK	135	0	20.87	20.95	20.72	22.0	0.0
100	QPSK	135	69	20.96	21.05	20.90	22.0	0.0
100	QPSK	135	138	20.82	20.90	20.73		
100	QPSK	270	0	20.82	20.94	20.71	22.0	0.0
100	16QAM	1	1	21.01	21.06	20.92	22.0	0.0
100	64QAM	1	1	21.02	21.06	20.90	22.0	0.0
100	256QAM	1	1	21.02	21.00	20.83	22.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.04	21.07	20.90	22.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.97	21.05	20.90	22.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.00	21.02	20.87	22.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.02	21.05	20.90	22.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.93	21.05	20.82	22.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.94	21.06	20.84	22.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.93	20.99	20.86	22.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	20.95	21.04	20.94	22.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	20.94	20.97	20.82	22.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	20.92	21.06	20.82	22.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	20.98	21.07	20.92	22.0	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	16.62	16.81	16.69		
100	Pi2 BPSK	1	137	16.54	16.77	16.55	18.0	0.0
100	Pi2 BPSK	1	271	16.57	16.76	16.69		
100	Pi2 BPSK	135	9	16.52	16.69	16.52	18.0	0.0
100	Pi2 BPSK	135	69	16.56	16.78	16.64	18.0	0.0
100	Pi2 BPSK	135	138	16.56	16.68	16.48		
100	Pi2 BPSK	270	0	16.49	16.68	16.55	18.0	0.0
100	QPSK	1	1	16.71	16.85	16.75	18.0	0.0
100	QPSK	1	137	16.59	16.82	16.67	18.0	0.0
100	QPSK	1	271	16.65	16.87	16.74		
100	QPSK	135	0	16.58	16.76	16.64	18.0	0.0
100	QPSK	135	69	16.59	16.85	16.75	18.0	0.0
100	QPSK	135	138	16.61	16.77	16.62	18.0	0.0
100	QPSK	270	0	16.58	16.78	16.61		
100	16QAM	1	1	16.58	16.85	16.67	18.0	0.0
100	64QAM	1	1	16.59	16.85	16.68	18.0	0.0
100	256QAM	1	1	16.61	16.84	16.73	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.63	16.83	16.68	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.60	16.84	16.69	18.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	16.59	16.86	16.68	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.57	16.82	16.74	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.63	16.80	16.67	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.66	16.86	16.74	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.56	16.88	16.73	18.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	16.60	16.84	16.73	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.64	16.83	16.75	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.60	16.81	16.73	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.61	16.81	16.71	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				50202	51898	52800		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	19.88	19.93	19.67		
100	PI2 BPSK	1	137	19.56	19.95	19.62	21.0	0.0
100	PI2 BPSK	1	271	19.80	19.81	19.86		
100	PI2 BPSK	135	0	19.44	19.73	19.51	21.0	0.0
100	PI2 BPSK	135	69	19.57	19.86	19.52	21.0	0.0
100	PI2 BPSK	135	138	19.47	19.70	19.46	21.0	0.0
100	PI2 BPSK	270	0	19.49	19.79	19.59		
100	QPSK	1	1	19.75	20.05	19.31		
100	QPSK	1	137	19.61	20.00	19.68	21.0	0.0
100	QPSK	1	271	19.67	19.90	19.75		
100	QPSK	135	0	19.33	19.86	19.58	21.0	0.0
100	QPSK	135	69	19.33	19.94	19.77	21.0	0.0
100	QPSK	135	138	19.52	19.84	19.55	21.0	0.0
100	QPSK	270	0	19.54	19.83	19.52		
100	16QAM	1	1	19.86	19.99	19.74	21.0	0.0
100	64QAM	1	1	19.97	19.97	19.66	21.0	0.0
100	256QAM	1	1	19.67	19.96	19.73	21.0	0.0
Channel				508200	518998	528998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	19.65	19.94	19.70	21.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2536.02	2592.99	2649.98		
80	QPSK	1	1	19.66	19.96	19.70	21.0	0.0
Channel				505202	518998	531000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.71	19.92	19.74	21.0	0.0
Channel				505200	518998	531998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2488	2592.99	2689.98		
60	QPSK	1	1	19.62	19.93	19.75	21.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2521.02	2592.99	2654.98		
50	QPSK	1	1	19.70	19.94	19.69	21.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.66	19.95	19.74	21.0	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.71	19.92	19.75	21.0	0.0
Channel				501702	518998	535000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.61	2592.99	2677.5		
25	QPSK	1	1	19.68	20.00	19.70	21.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2506.02	2592.99	2678.98		
20	QPSK	1	1	19.71	20.00	19.74	21.0	0.0
Channel				500200	518998	536998	Tune-up limit (dBm)	MPR
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.70	19.94	19.74	21.0	0.0
Channel				500202	518998	537000	Tune-up limit (dBm)	MPR
Frequency (MHz)				2501.91	2592.99	2685		
10	QPSK	1	1	19.70	19.94	19.67	21.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				63800	64166	64532			
Frequency (MHz)				6374	6410	6446			
40	PI2 BPSK	1	1	15.44	15.47	15.57			
40	PI2 BPSK	1	53	15.55	15.59	15.60	16.5	0.0	
40	PI2 BPSK	1	104	15.90	15.93	15.99			
40	PI2 BPSK	50	0	15.43	15.49	15.59	16.5	0.0	
40	PI2 BPSK	50	28	15.44	15.50	15.45	16.5	0.0	
40	PI2 BPSK	50	56	15.32	15.47	15.52	16.5	0.0	
40	PI2 BPSK	100	0	15.45	15.54	15.62			
40	QPSK	1	1	15.59	15.62	15.72			
40	QPSK	1	53	15.62	15.67	15.68	16.5	0.0	
40	QPSK	1	104	15.56	15.74	15.84			
40	QPSK	50	0	15.51	15.62	15.47	16.5	0.0	
40	QPSK	50	28	15.57	15.59	15.5	16.5	0.0	
40	QPSK	50	56	15.45	15.59	15.47	16.5	0.0	
40	QPSK	100	0	15.51	15.64	15.54			
40	16QAM	1	1	15.57	15.67	15.67	16.5	0.0	
40	64QAM	1	1	15.52	15.69	15.84	16.5	0.0	
40	256QAM	1	1	15.55	15.72	15.81	16.5	0.0	
Channel				63708	64105	64505			
Frequency (MHz)				3865.02	3824.99	3864.99			
30	QPSK	1	1	15.61	15.71	15.61	16.5	0.0	
Channel				63724	64105	64503			
Frequency (MHz)				3860.01	3824.99	3890			
20	QPSK	1	1	15.59	15.76	15.62	16.5	0.0	
Channel				63716	64105	64510			
Frequency (MHz)				3857.52	3824.99	3892.49			
15	QPSK	1	1	15.57	15.69	15.61	16.5	0.0	
Channel				63700	64105	64532			
Frequency (MHz)				3855	3824.99	3824.98			
10	QPSK	1	1	15.60	15.72	15.66	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				63800	64166	64532			
Frequency (MHz)				6374	6410	6446			
40	PI2 BPSK	1	1	14.10	14.23	13.95			
40	PI2 BPSK	1	53	14.07	14.09	13.89	15.0	0.0	
40	PI2 BPSK	1	104	13.99	14.12	13.85			
40	PI2 BPSK	50	0	13.88	14.08	13.75	15.0	0.0	
40	PI2 BPSK	50	28	14.00	14.08	13.92	15.0	0.0	
40	PI2 BPSK	50	56	13.85	13.86	13.81	15.0	0.0	
40	PI2 BPSK	100	0	14.00	14.00	13.79			
40	QPSK	1	1	14.23	14.30	14.20			
40	QPSK	1	53	14.16	14.20	14.09	15.0	0.0	
40	QPSK	1	104	14.11	14.25	13.94			
40	QPSK	50	0	13.99	14.14	13.85	15.0	0.0	
40	QPSK	50	28	14.17	14.19	13.97	15.0	0.0	
40	QPSK	50	56	13.99	14.09	13.88	15.0	0.0	
40	QPSK	100	0	14.07	14.12	13.86			
40	16QAM	1	1	14.06	14.20	13.96	15.0	0.0	
40	64QAM	1	1	14.11	14.23	13.98	15.0	0.0	
40	256QAM	1	1	14.10	14.24	14.01	15.0	0.0	
Channel				63708	64105	64505			
Frequency (MHz)				3865.02	3824.99	3864.99			
30	QPSK	1	1	14.13	14.18	13.96	15.0	0.0	
Channel				63724	64105	64503			
Frequency (MHz)				3860.01	3824.99	3890			
20	QPSK	1	1	14.10	14.18	14.01	15.0	0.0	
Channel				63716	64105	64510			
Frequency (MHz)				3857.52	3824.99	3892.49			
15	QPSK	1	1	14.08	14.23	13.95	15.0	0.0	
Channel				63700	64105	64532			
Frequency (MHz)				3855	3824.99	3824.98			
10	QPSK	1	1	14.15	14.15	13.99	15.0	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				63800	64166	64532			
Frequency (MHz)				6374	6410	6446			
40	PI2 BPSK	1	1	13.01	13.01	12.99			
40	PI2 BPSK	1	53	12.99	12.92	12.89	14.0	0.0	
40	PI2 BPSK	1	104	12.86	13.00	12.87			
40	PI2 BPSK	50	0	12.85	12.89	12.94	14.0	0.0	
40	PI2 BPSK	50	28	12.96	13.01	12.89	14.0	0.0	
40	PI2 BPSK	50	56	12.86	12.92	12.84	14.0	0.0	
40	PI2 BPSK	100	0	12.77	12.91	12.77			
40	QPSK	1	1	13.01	13.16	13.07			
40	QPSK	1	53	13.01	13.09	13.01	14.0	0.0	
40	QPSK	1	104	13.05	13.08	12.92			
40	QPSK	50	0	12.94	12.97	12.94	14.0	0.0	
40	QPSK	50	28	12.95	13.11	12.95	14.0	0.0	
40	QPSK	50	56	12.98	12.97	12.89	14.0	0.0	
40	QPSK	100	0	12.89	13.01	12.85			
40	16QAM	1	1	13.05	13.06	12.99	14.0	0.0	
40	64QAM	1	1	13.05	13.02	13.02	14.0	0.0	
40	256QAM	1	1	13.01	13.07	12.93	14.0	0.0	
Channel				63708	64105	64505			
Frequency (MHz)				3865.02	3824.99	3864.99			
30	QPSK	1	1	13.04	13.07	12.96	14.0	0.0	
Channel				63724	64105	64503			
Frequency (MHz)				3860.01	3824.99	3890			
20	QPSK	1	1	13.05	13.07	13.02	14.0	0.0	
Channel				63716	64105	64510			
Frequency (MHz)				3857.52	3824.99	3892.49			
15	QPSK	1	1	13.06	13.06	12.97	14.0	0.0	
Channel				63700	64105	64532			
Frequency (MHz)				3855	3824.99	3824.98			
10	QPSK	1	1	13.02	13.08	13.02	14.0	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)	MRR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	17.24	17.23	17.21		
40	PI2 BPSK	1	53	17.19	17.21	17.27	18.0	0.0
40	PI2 BPSK	1	104	17.19	17.21	17.19		
40	PI2 BPSK	50	0	17.11	17.20	17.24	18.0	0.0
40	PI2 BPSK	50	28	17.15	17.21	17.26	18.0	0.0
40	PI2 BPSK	50	56	17.16	17.20	16.98	18.0	0.0
40	PI2 BPSK	100	0	17.20	17.20	17.20		
40	QPSK	1	1	17.20	17.20	17.20	18.0	0.0
40	QPSK	1	53	17.28	17.28	17.17		
40	QPSK	50	0	17.20	17.14	17.13	18.0	0.0
40	QPSK	50	28	17.25	17.25	17.25	18.0	0.0
40	QPSK	50	56	17.21	17.14	17.09	18.0	0.0
40	QPSK	100	0	17.20	17.20	17.20		
40	16QAM	1	1	17.23	17.24	17.15	18.0	0.0
40	16QAM	1	1	17.26	17.24	17.20	18.0	0.0
40	256QAM	1	1	17.27	17.33	17.15	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.20	17.20	17.21	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.29	17.24	17.17	18.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.23	17.20	17.14	18.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.26	17.24	17.21	18.0	0.0

Part27Q_n77_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.75	15.75	15.75		
100	PI2 BPSK	1	137	15.87	15.87	15.87	16.5	0.0
100	PI2 BPSK	1	271	15.71	15.71	15.71		
100	PI2 BPSK	135	0	15.96	15.96	15.96	16.5	0.0
100	PI2 BPSK	135	69	15.80	15.80	15.80	16.5	0.0
100	PI2 BPSK	135	138	15.59	15.59	15.59	16.5	0.0
100	PI2 BPSK	270	0	15.71	15.71	15.71		
100	QPSK	1	1	15.92	15.92	15.92	16.5	0.0
100	QPSK	1	137	15.82	15.82	15.82	16.5	0.0
100	QPSK	1	271	15.78	15.78	15.78		
100	QPSK	135	0	15.75	15.75	15.75	16.5	0.0
100	QPSK	135	69	15.56	15.56	15.56	16.5	0.0
100	QPSK	135	138	15.70	15.70	15.70	16.5	0.0
100	QPSK	270	0	15.73	15.73	15.73		
100	16QAM	1	1	15.80	15.80	15.80	16.5	0.0
100	16QAM	1	1	15.78	15.78	15.78	16.5	0.0
100	256QAM	1	1	15.82	15.82	15.82	16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.91	15.85	15.89	16.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.88	15.84	15.84	16.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.91	15.86	15.89	16.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.88	15.84	15.84	16.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.80	15.77	15.82	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.89	15.82	15.85	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.84	15.77	15.82	16.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.84	15.80	15.84	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.86	15.78	15.81	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.87	15.81	15.83	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.90	15.87	15.87	16.5	0.0

Part27Q_n77(HPUe)_Ant 3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MRR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.55	18.55	18.55		
100	PI2 BPSK	1	137	18.43	18.43	18.43	19.5	0.0
100	PI2 BPSK	1	271	18.45	18.45	18.45		
100	PI2 BPSK	135	0	18.40	18.40	18.40	19.5	0.0
100	PI2 BPSK	135	69	18.50	18.50	18.50	19.5	0.0
100	PI2 BPSK	135	138	18.26	18.26	18.26	19.5	0.0
100	PI2 BPSK	270	0	18.49	18.49	18.49		
100	QPSK	1	1	18.50	18.50	18.50	19.5	0.0
100	QPSK	1	137	18.47	18.47	18.47	19.5	0.0
100	QPSK	1	271	18.54	18.54	18.54		
100	QPSK	135	0	18.52	18.52	18.52	19.5	0.0
100	QPSK	135	69	18.50	18.50	18.50	19.5	0.0
100	QPSK	135	138	18.48	18.48	18.48	19.5	0.0
100	QPSK	270	0	18.51	18.51	18.51		
100	16QAM	1	1	18.51	18.51	18.51	19.5	0.0
100	16QAM	1	1	18.53	18.53	18.53	19.5	0.0
100	256QAM	1	1	18.58	18.58	18.58	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.57	18.55	18.53	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.57	18.53	18.50	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.55	18.50	18.49	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.54	18.50	18.48	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.58	18.51	18.49	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.58	18.53	18.53	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.63	18.60	18.59	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.64	18.62	18.60	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.60	18.52	18.50	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.61	18.52	18.52	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.59	18.56	18.55	19.5	0.0



Part270_n77_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PIQ BPSK	1	1	15.76	15.89	15.70	0.0
100	PIQ BPSK	1	137	15.87	15.80	15.69	18.5
100	PIQ BPSK	1	271	15.89	15.80	15.65	0.0
100	PIQ BPSK	135	0	15.86	15.80	15.50	18.5
100	PIQ BPSK	135	69	15.72	15.81	15.69	18.5
100	PIQ BPSK	135	138	15.53	15.72	15.69	18.5
100	PIQ BPSK	270	0	15.81	15.71	15.63	0.0
100	QPSK	1	1	15.72	15.69	15.60	18.5
100	QPSK	1	137	15.72	15.68	15.76	18.5
100	QPSK	1	271	15.72	15.90	15.77	18.5
100	QPSK	135	0	15.88	15.75	15.65	18.5
100	QPSK	135	69	15.72	15.86	15.65	18.5
100	QPSK	135	138	15.87	15.79	15.65	18.5
100	QPSK	270	0	15.86	15.85	15.68	18.5
100	8QAM	1	1	15.75	15.85	15.79	18.5
100	8QAM	1	1	15.75	15.88	15.71	18.5
100	256QAM	1	1	15.74	15.92	15.70	18.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.79	15.86	15.78	18.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.72	15.84	15.73	18.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	15.72	15.92	15.76	18.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	15.75	15.90	15.80	18.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.80	15.90	15.77	18.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.77	15.87	15.73	18.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.73	15.88	15.75	18.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	15.75	15.93	15.71	18.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.73	15.93	15.63	18.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	15.74	15.93	15.72	18.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	15.76	15.85	15.75	18.5

Part270_n77(HPUE)_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	PIQ BPSK	1	1	18.75	18.70	18.67	0.0
100	PIQ BPSK	1	137	18.68	18.66	18.53	19.5
100	PIQ BPSK	1	271	18.61	18.71	18.59	0.0
100	PIQ BPSK	135	0	18.64	18.52	18.51	19.5
100	PIQ BPSK	135	69	18.55	18.61	18.52	19.5
100	PIQ BPSK	135	138	18.50	18.47	18.46	19.5
100	PIQ BPSK	270	0	18.68	18.59	18.55	0.0
100	QPSK	1	1	18.50	18.62	18.72	19.5
100	QPSK	1	137	18.74	18.74	18.67	19.5
100	QPSK	1	271	18.75	18.77	18.61	0.0
100	QPSK	135	0	18.57	18.62	18.59	19.5
100	QPSK	135	69	18.52	18.57	18.56	19.5
100	QPSK	135	138	18.62	18.58	18.52	19.5
100	QPSK	270	0	18.61	18.54	18.49	19.5
100	8QAM	1	1	18.65	18.74	18.56	19.5
100	8QAM	1	1	18.70	18.65	18.63	19.5
100	256QAM	1	1	18.69	18.69	18.60	19.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	18.67	18.69	18.69	19.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	18.71	18.73	18.61	19.5
Channel							
Frequency (MHz)							
70	QPSK	1	1	18.66	18.75	18.65	19.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	18.66	18.69	18.60	19.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	18.73	18.71	18.70	19.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	18.65	18.70	18.63	19.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	18.73	18.66	18.62	19.5
Channel							
Frequency (MHz)							
25	QPSK	1	1	18.72	18.72	18.64	19.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	18.73	18.70	18.62	19.5
Channel							
Frequency (MHz)							
15	QPSK	1	1	18.71	18.62	18.64	19.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	18.65	18.76	18.61	19.5



Part27Q_n77_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	14.72	14.76	14.80	15.5	0.0
100	PI2 BPSK	1	137	14.70	14.74	14.78	15.5	0.0
100	PI2 BPSK	1	271	14.62	14.66	14.70	15.5	0.0
100	PI2 BPSK	135	0	14.57	14.61	14.65	15.5	0.0
100	PI2 BPSK	135	69	14.56	14.60	14.64	15.5	0.0
100	PI2 BPSK	135	138	14.52	14.56	14.60	15.5	0.0
100	PI2 BPSK	270	0	14.50	14.54	14.58	15.5	0.0
100	QPSK	1	1	14.85	14.89	14.93	15.5	0.0
100	QPSK	1	137	14.80	14.84	14.88	15.5	0.0
100	QPSK	1	271	14.74	14.78	14.82	15.5	0.0
100	QPSK	135	0	14.63	14.67	14.71	15.5	0.0
100	QPSK	135	69	14.70	14.74	14.78	15.5	0.0
100	QPSK	135	138	14.57	14.61	14.65	15.5	0.0
100	QPSK	270	0	14.50	14.54	14.58	15.5	0.0
100	64QAM	1	1	14.72	14.76	14.80	15.5	0.0
100	64QAM	1	1	14.75	14.79	14.83	15.5	0.0
100	256QAM	1	1	14.75	14.79	14.83	15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.62	14.74	14.78	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.61	14.74	14.75	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.89	14.74	14.80	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.83	14.77	14.80	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.70	14.78	14.80	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.87	14.76	14.74	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.85	14.70	14.75	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.80	14.80	14.70	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.83	14.80	14.75	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.84	14.71	14.73	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.82	14.70	14.75	15.5	0.0

Part27Q_n77(HPUe)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	17.02	17.06	17.10	18.5	0.0
100	PI2 BPSK	1	137	17.01	17.05	17.09	18.5	0.0
100	PI2 BPSK	1	271	17.06	17.10	17.14	18.5	0.0
100	PI2 BPSK	135	0	17.06	17.10	17.14	18.5	0.0
100	PI2 BPSK	135	69	17.01	17.05	17.09	18.5	0.0
100	PI2 BPSK	135	138	17.00	17.04	17.08	18.5	0.0
100	PI2 BPSK	270	0	17.01	17.05	17.09	18.5	0.0
100	QPSK	1	1	17.27	17.31	17.35	18.5	0.0
100	QPSK	1	137	17.46	17.50	17.54	18.5	0.0
100	QPSK	1	271	17.07	17.11	17.15	18.5	0.0
100	QPSK	135	0	17.47	17.51	17.55	18.5	0.0
100	QPSK	135	69	17.62	17.66	17.70	18.5	0.0
100	QPSK	135	138	17.51	17.55	17.59	18.5	0.0
100	QPSK	270	0	17.57	17.61	17.65	18.5	0.0
100	64QAM	1	1	17.71	17.75	17.79	18.5	0.0
100	64QAM	1	1	17.70	17.74	17.78	18.5	0.0
100	256QAM	1	1	17.62	17.66	17.70	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.49	17.72	17.57	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.58	17.70	17.56	18.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.50	17.68	17.58	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.56	17.68	17.55	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.56	17.65	17.62	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.58	17.67	17.60	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.53	17.72	17.50	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.48	17.67	17.54	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.48	17.64	17.63	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.51	17.72	17.60	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.53	17.65	17.59	18.5	0.0

Part27Q_n77_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	14.70	14.80	14.70	15.5	0.0
100	PI2 BPSK	1	137	14.66	14.70	14.62	15.5	0.0
100	PI2 BPSK	1	271	14.70	14.78	14.52	15.5	0.0
100	PI2 BPSK	135	0	14.57	14.56	14.48	15.5	0.0
100	PI2 BPSK	135	69	14.68	14.65	14.58	15.5	0.0
100	PI2 BPSK	135	138	14.56	14.58	14.47	15.5	0.0
100	PI2 BPSK	270	0	14.55	14.61	14.48	15.5	0.0
100	QPSK	1	1	14.87	14.80	14.75	15.5	0.0
100	QPSK	1	137	14.70	14.78	14.75	15.5	0.0
100	QPSK	1	271	14.78	14.85	14.66	15.5	0.0
100	QPSK	135	0	14.68	14.66	14.62	15.5	0.0
100	QPSK	135	69	14.70	14.76	14.56	15.5	0.0
100	QPSK	135	138	14.68	14.70	14.57	15.5	0.0
100	QPSK	270	0	14.61	14.71	14.61	15.5	0.0
100	64QAM	1	1	14.70	14.76	14.74	15.5	0.0
100	64QAM	1	1	14.80	14.82	14.73	15.5	0.0
100	256QAM	1	1	14.81	14.81	14.70	15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.77	14.77	14.73	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.77	14.80	14.74	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.75	14.84	14.70	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.75	14.76	14.65	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.81	14.77	14.73	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.77	14.84	14.71	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.70	14.83	14.69	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.73	14.79	14.74	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.74	14.80	14.68	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.70	14.76	14.69	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.81	14.76	14.73	15.5	0.0



Part27O_n77(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
Channel				66000	66000	66000		
Frequency (MHz)				3750	3840	3930		
100	PI2 BPSK	1	1	17.38	17.53	17.47		
100	PI2 BPSK	1	137	17.24	17.49	17.36	18.5	0.0
100	PI2 BPSK	1	271	17.28	17.46	17.34		
100	PI2 BPSK	135	0	17.20	17.52	17.23	18.5	0.0
100	PI2 BPSK	135	69	17.31	17.38	17.31		
100	PI2 BPSK	135	135	17.20	17.33	17.25	18.5	0.0
100	PI2 BPSK	270	0	17.18	17.58	17.25		
100	QPSK	1	1	17.53	17.63	17.58		
100	QPSK	1	137	17.59	17.56	17.56	18.5	0.0
100	QPSK	1	271	17.41	17.58	17.43		
100	QPSK	135	0	17.33	17.45	17.20	18.5	0.0
100	QPSK	135	69	17.38	17.38	17.38		
100	QPSK	135	135	17.33	17.41	17.38	18.5	0.0
100	QPSK	270	0	17.32	17.39	17.33		
100	BQAM	1	1	17.46	17.58	17.52	18.5	0.0
100	BQAM	1	1	17.47	17.50	17.50	18.5	0.0
100	BQAM	1	1	17.38	17.57	17.50	18.5	0.0
Channel				64000	65000	66000		
Frequency (MHz)				3745.02	3840	3934.98		
90	QPSK	1	1	17.45	17.51	17.44	18.5	0.0
Channel				64335	65000	65665		
Frequency (MHz)				3740.01	3840	3939.99		
80	QPSK	1	1	17.44	17.52	17.51	18.5	0.0
Channel				64600	65000	65400		
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.47	17.57	17.52	18.5	0.0
Channel				64865	65000	65335		
Frequency (MHz)				3730.02	3840	3949.98		
60	QPSK	1	1	17.44	17.54	17.48	18.5	0.0
Channel				64815	65000	65385		
Frequency (MHz)				3725.01	3840	3954.99		
50	QPSK	1	1	17.41	17.52	17.53	18.5	0.0
Channel				64900	65000	65200		
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.42	17.53	17.51	18.5	0.0
Channel				64965	65000	65435		
Frequency (MHz)				3715.02	3840	3964.98		
30	QPSK	1	1	17.48	17.53	17.45	18.5	0.0
Channel				64930	65000	65470		
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.39	17.58	17.40	18.5	0.0
Channel				64934	65000	65466		
Frequency (MHz)				3710.51	3840	3969.51		
20	QPSK	1	1	17.32	17.53	17.47	18.5	0.0
Channel				64969	65000	65431		
Frequency (MHz)				3707.52	3840	3972.52		
15	QPSK	1	1	17.48	17.53	17.51	18.5	0.0
Channel				64930	65000	65466		
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.45	17.45	17.45	18.5	0.0



Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	12.48	12.48	12.48		
100	PI2 BPSK	1	137	12.33	12.33	12.33	13.5	0.0
100	PI2 BPSK	1	271	12.28	12.28	12.28		
100	PI2 BPSK	135	0	12.38	12.38	12.38	13.5	0.0
100	PI2 BPSK	135	69	12.26	12.26	12.26		
100	PI2 BPSK	135	138	12.16	12.16	12.16	13.5	0.0
100	PI2 BPSK	270	0	12.20	12.20	12.20		
100	QPSK	1	1	12.53	12.53	12.53		
100	QPSK	1	137	12.38	12.38	12.38	13.5	0.0
100	QPSK	1	271	12.33	12.33	12.33		
100	QPSK	135	0	12.33	12.33	12.33	13.5	0.0
100	QPSK	135	69	12.23	12.23	12.23		
100	QPSK	135	138	12.25	12.25	12.25	13.5	0.0
100	QPSK	270	0	12.23	12.23	12.23		
100	BQAM	1	1	12.45	12.45	12.45	13.5	0.0
100	BQAM	1	1	12.45	12.45	12.45	13.5	0.0
100	BQAM	1	1	12.38	12.38	12.38	13.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.24	12.46	12.29	13.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.20	12.47	12.25	13.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.22	12.40	12.35	13.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.29	12.46	12.25	13.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.22	12.42	12.31	13.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.27	12.40	12.25	13.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.29	12.44	12.30	13.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.24	12.43	12.30	13.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.25	12.43	12.30	13.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.25	12.43	12.30	13.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.25	12.43	12.31	13.5	0.0



Part27Q_n77(HPUe)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MRR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	15.58					
100	PIQ BPSK	1	137	15.35			16.5	0.0	
100	PIQ BPSK	1	271	15.44					
100	PIQ BPSK	135	0	15.38			16.5	0.0	
100	PIQ BPSK	135	69	15.50			16.5	0.0	
100	PIQ BPSK	135	138	15.36			16.5	0.0	
100	PIQ BPSK	270	0	15.44					
100	QPSK	1	1	15.57					
100	QPSK	1	137	15.47			16.5	0.0	
100	QPSK	1	271	15.56					
100	QPSK	135	0	15.44			16.5	0.0	
100	QPSK	135	69	15.55			16.5	0.0	
100	QPSK	135	138	15.46			16.5	0.0	
100	QPSK	270	0	15.51					
100	BQAM	1	1	15.46			16.5	0.0	
100	BQAM	1	1	15.55			16.5	0.0	
100	25GQAM	1	1	15.47			16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.38	15.56	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.39	15.40	15.40	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.38	15.52	15.47	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.48	15.54	15.38	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.48	15.51	15.38	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.43	15.52	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.45	15.47	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.40	15.50	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.40	15.50	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.48	15.54	15.44	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.42	15.52	15.37	16.5	0.0	

Part27Q_n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MRR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	12.60	12.60	12.64			
100	PIQ BPSK	1	137	12.54	12.63	12.48	13.5	0.0	
100	PIQ BPSK	1	271	12.36	12.57	12.47			
100	PIQ BPSK	135	0	12.36	12.47	12.55	13.5	0.0	
100	PIQ BPSK	135	69	12.52	12.50	12.54	13.5	0.0	
100	PIQ BPSK	135	138	12.41	12.50	12.51	13.5	0.0	
100	PIQ BPSK	270	0	12.35	12.50	12.44			
100	QPSK	1	1	12.75	12.73	12.75			
100	QPSK	1	137	12.66	12.66	12.60	13.5	0.0	
100	QPSK	1	271	12.67	12.72	12.61			
100	QPSK	135	0	12.50	12.60	12.61	13.5	0.0	
100	QPSK	135	69	12.56	12.56	12.55	13.5	0.0	
100	QPSK	135	138	12.55	12.56	12.58	13.5	0.0	
100	QPSK	270	0	12.49	12.57	12.54			
100	BQAM	1	1	12.63	12.71	12.60	13.5	0.0	
100	BQAM	1	1	12.65	12.64	12.62	13.5	0.0	
100	25GQAM	1	1	12.64	12.70	12.68	13.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.60	12.69	12.63	13.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.64	12.68	12.62	13.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	12.67	12.64	12.63	13.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.68	12.70	12.60	13.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.61	12.73	12.69	13.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.60	12.68	12.70	13.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.70	12.65	12.68	13.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	12.69	12.66	12.62	13.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.67	12.74	12.69	13.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	12.66	12.70	12.63	13.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	12.69	12.71	12.60	13.5	0.0	

Part27Q_n77(HPUe)_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MRR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	15.48	15.48	15.41			
100	PIQ BPSK	1	137	15.27	15.40	15.22	16.5	0.0	
100	PIQ BPSK	1	271	15.32	15.44	15.37			
100	PIQ BPSK	135	0	15.28	15.50	15.21	16.5	0.0	
100	PIQ BPSK	135	69	15.36	15.42	15.31	16.5	0.0	
100	PIQ BPSK	135	138	15.31	15.30	15.31	16.5	0.0	
100	PIQ BPSK	270	0	15.34	15.40	15.33			
100	QPSK	1	1	15.53	15.50	15.53			
100	QPSK	1	137	15.39	15.49	15.36	16.5	0.0	
100	QPSK	1	271	15.40	15.49	15.42			
100	QPSK	135	0	15.34	15.42	15.35	16.5	0.0	
100	QPSK	135	69	15.45	15.51	15.45	16.5	0.0	
100	QPSK	135	138	15.43	15.45	15.37	16.5	0.0	
100	QPSK	270	0	15.39	15.46	15.39			
100	BQAM	1	1	15.45	15.48	15.45	16.5	0.0	
100	BQAM	1	1	15.46	15.47	15.42	16.5	0.0	
100	25GQAM	1	1	15.39	15.54	15.38	16.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.48	15.44	15.42	16.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.38	15.51	15.45	16.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.48	15.47	15.43	16.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.42	15.44	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.42	15.46	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.39	15.46	15.38	16.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.46	15.50	15.41	16.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.47	15.48	15.44	16.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.39	15.47	15.40	16.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.42	15.45	15.37	16.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.46	15.46	15.36	16.5	0.0	



Part27Q_n77_Ant 8									
BW (MHz)	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	15.16	15.16	15.16	16.0	0.0	
100	PI2 BPSK	1	137	15.09	15.09	15.09	16.0	0.0	
100	PI2 BPSK	1	271	15.04	15.04	15.04	16.0	0.0	
100	PI2 BPSK	135	0	15.09	15.09	15.09	16.0	0.0	
100	PI2 BPSK	135	66	15.06	15.06	15.06	16.0	0.0	
100	PI2 BPSK	135	135	14.98	14.98	14.98	16.0	0.0	
100	PI2 BPSK	270	0	15.02	15.02	15.02	16.0	0.0	
100	QPSK	1	1	15.23	15.23	15.23	16.0	0.0	
100	QPSK	1	137	15.23	15.23	15.23	16.0	0.0	
100	QPSK	1	271	15.14	15.14	15.14	16.0	0.0	
100	QPSK	135	0	15.05	15.05	15.05	16.0	0.0	
100	QPSK	135	66	15.07	15.07	15.07	16.0	0.0	
100	QPSK	135	135	15.11	15.11	15.11	16.0	0.0	
100	QPSK	270	0	15.05	15.05	15.05	16.0	0.0	
100	ISDM	1	1	15.13	15.13	15.13	16.0	0.0	
100	64QAM	1	1	15.18	15.18	15.18	16.0	0.0	
100	256QAM	1	1	15.14	15.14	15.14	16.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.12	15.21	14.95	16.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.15	15.14	15.03	16.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.06	15.22	14.97	16.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.07	15.18	14.99	16.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.08	15.18	14.99	16.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.12	15.19	14.94	16.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.12	15.22	14.98	16.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.11	15.20	14.97	16.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.11	15.16	15.04	16.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.07	15.16	14.98	16.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.12	15.21	15.04	16.0	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	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	18.03	18.03	18.03	19.0	0.0	
100	PI2 BPSK	1	137	17.89	17.89	17.89	19.0	0.0	
100	PI2 BPSK	1	271	17.81	17.81	17.81	19.0	0.0	
100	PI2 BPSK	135	0	17.83	17.83	17.83	19.0	0.0	
100	PI2 BPSK	135	66	17.85	17.85	17.85	19.0	0.0	
100	PI2 BPSK	135	135	17.84	17.84	17.84	19.0	0.0	
100	PI2 BPSK	270	0	17.79	17.79	17.79	19.0	0.0	
100	QPSK	1	1	18.12	18.12	18.12	19.0	0.0	
100	QPSK	1	137	18.04	18.04	18.04	19.0	0.0	
100	QPSK	1	271	17.97	17.97	17.97	19.0	0.0	
100	QPSK	135	0	17.99	17.99	17.99	19.0	0.0	
100	QPSK	135	66	18.01	18.01	18.01	19.0	0.0	
100	QPSK	135	135	17.98	17.98	17.98	19.0	0.0	
100	QPSK	270	0	17.92	17.92	17.92	19.0	0.0	
100	ISDM	1	1	18.04	18.04	18.04	19.0	0.0	
100	64QAM	1	1	18.05	18.05	18.05	19.0	0.0	
100	256QAM	1	1	18.01	18.01	18.01	19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.97	17.97	17.93	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.83	18.04	17.96	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.97	18.08	17.92	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.97	17.98	18.00	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.96	18.03	17.94	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.96	18.02	17.92	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.02	18.06	17.94	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.99	18.02	17.97	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.02	18.03	17.97	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.03	18.03	17.97	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.93	18.01	18.00	19.0	0.0	



Part270_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidB Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	15.15	15.34	15.26			
100	PIQ BPSK	1	137	14.59	15.15	15.18	18.0	0.0	
100	PIQ BPSK	1	271	15.12	15.30	15.21			
100	PIQ BPSK	135	0	14.85	15.13	14.86	18.0	0.0	
100	PIQ BPSK	135	69	15.01	15.19	15.12	18.0	0.0	
100	PIQ BPSK	135	138	14.84	15.11	15.06	18.0	0.0	
100	PIQ BPSK	270	0	15.16	15.35	15.20			
100	QPSK	1	1	15.24	15.40	15.27			
100	QPSK	1	137	15.10	15.25	15.21	18.0	0.0	
100	QPSK	1	271	15.17	15.35	15.26			
100	QPSK	135	0	14.97	15.21	15.07	18.0	0.0	
100	QPSK	135	69	15.07	15.25	15.18	18.0	0.0	
100	QPSK	135	138	14.99	15.24	15.13	18.0	0.0	
100	QPSK	270	0	15.24	15.18	15.05			
100	16QAM	1	1	15.10	15.35	15.21	18.0	0.0	
100	16QAM	1	1	15.16	15.27	15.23	18.0	0.0	
100	256QAM	1	1	15.15	15.35	15.18	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.09	15.29	15.19	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.19	15.36	15.19	18.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	15.14	15.28	15.24	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.16	15.25	15.16	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.16	15.30	15.18	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.17	15.29	15.13	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.11	15.30	15.24	18.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	15.10	15.13	15.22	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.16	15.24	15.22	18.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	15.16	15.23	15.17	18.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	15.11	15.01	15.16	18.0	0.0	

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power MidB Ch. Freq.	Power High Ch. Freq.	Turn-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	18.14	18.10	18.13			
100	PIQ BPSK	1	137	18.06	18.15	18.02	19.0	0.0	
100	PIQ BPSK	1	271	18.10	18.08	18.08			
100	PIQ BPSK	135	0	18.02	18.06	17.93	19.0	0.0	
100	PIQ BPSK	135	69	18.07	18.10	18.06	19.0	0.0	
100	PIQ BPSK	135	138	18.04	17.94	17.99	19.0	0.0	
100	PIQ BPSK	270	0	17.90	17.99	17.99			
100	QPSK	1	1	18.20	18.27	18.20			
100	QPSK	1	137	18.18	18.21	18.13	19.0	0.0	
100	QPSK	1	271	18.20	18.20	18.15			
100	QPSK	135	0	18.10	18.12	18.08	19.0	0.0	
100	QPSK	135	69	18.12	18.10	18.07	19.0	0.0	
100	QPSK	135	138	18.09	18.08	18.04	19.0	0.0	
100	QPSK	270	0	18.05	18.10	18.04			
100	16QAM	1	1	18.14	18.20	18.16	19.0	0.0	
100	16QAM	1	1	18.10	18.26	18.18	19.0	0.0	
100	256QAM	1	1	18.20	18.20	18.18	19.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.13	18.20	18.20	19.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.18	18.23	18.13	19.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.19	18.18	18.19	19.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.10	18.19	18.23	19.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.13	18.26	18.19	19.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.20	18.27	18.13	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.14	18.10	18.16	19.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.20	18.17	18.16	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.10	18.17	18.16	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.10	18.21	18.22	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.19	18.23	18.17	19.0	0.0	

**Part27Q_n78_Ant 3**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frag.	Power Middle Ch. / Frag.	Power High Ch. / Frag.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	15.48	15.48	15.48	16.5	0.0
100	P12 BPSK	1	137	15.59	15.59	15.59	16.5	0.0
100	P12 BPSK	1	271	15.54	15.54	15.54	16.5	0.0
100	P12 BPSK	135	0	15.45	15.45	15.45	16.5	0.0
100	P12 BPSK	135	69	15.52	15.52	15.52	16.5	0.0
100	P12 BPSK	135	138	15.40	15.40	15.40	16.5	0.0
100	P12 BPSK	270	0	15.50	15.50	15.50	16.5	0.0
100	QPSK	1	1	15.75	15.75	15.75	16.5	0.0
100	QPSK	1	137	15.64	15.64	15.64	16.5	0.0
100	QPSK	1	271	15.67	15.67	15.67	16.5	0.0
100	QPSK	135	0	15.58	15.58	15.58	16.5	0.0
100	QPSK	135	69	15.50	15.50	15.50	16.5	0.0
100	QPSK	135	138	15.48	15.48	15.48	16.5	0.0
100	QPSK	270	0	15.55	15.55	15.55	16.5	0.0
100	16QAM	1	1	15.65	15.65	15.65	16.5	0.0
100	64QAM	1	1	15.63	15.63	15.63	16.5	0.0
100	256QAM	1	1	15.62	15.62	15.62	16.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.49	15.85	15.85	16.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.66	15.66	15.66	16.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.54	15.70	15.67	16.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.48	15.49	15.67	16.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.54	15.42	15.66	16.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.49	15.61	15.66	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.53	15.68	15.62	16.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.63	15.61	15.58	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.49	15.67	15.55	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.54	15.49	15.45	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.50	15.69	15.60	16.5	0.0

Part27Q_n78(HPUe)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frag.	Power Middle Ch. / Frag.	Power High Ch. / Frag.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	18.47	18.47	18.47	19.5	0.0
100	P12 BPSK	1	137	18.37	18.37	18.37	19.5	0.0
100	P12 BPSK	1	271	18.30	18.30	18.30	19.5	0.0
100	P12 BPSK	135	0	18.21	18.21	18.21	19.5	0.0
100	P12 BPSK	135	69	18.33	18.33	18.33	19.5	0.0
100	P12 BPSK	135	138	18.16	18.16	18.16	19.5	0.0
100	P12 BPSK	270	0	18.29	18.29	18.29	19.5	0.0
100	QPSK	1	1	18.57	18.57	18.57	19.5	0.0
100	QPSK	1	137	18.41	18.41	18.41	19.5	0.0
100	QPSK	1	271	18.51	18.51	18.51	19.5	0.0
100	QPSK	135	0	18.38	18.38	18.38	19.5	0.0
100	QPSK	135	69	18.44	18.44	18.44	19.5	0.0
100	QPSK	135	138	18.29	18.29	18.29	19.5	0.0
100	QPSK	270	0	18.25	18.25	18.25	19.5	0.0
100	16QAM	1	1	18.48	18.48	18.48	19.5	0.0
100	64QAM	1	1	18.45	18.45	18.45	19.5	0.0
100	256QAM	1	1	18.48	18.48	18.48	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.37	18.46	18.46	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.42	18.48	18.40	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.38	18.49	18.40	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.32	18.45	18.46	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.38	18.46	18.42	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.37	18.44	18.41	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.38	18.44	18.45	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.34	18.43	18.42	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.35	18.40	18.39	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.42	18.40	18.40	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.59	18.50	18.49	19.5	0.0

Part27O_n78_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Frag.	Power Middle Ch. / Frag.	Power High Ch. / Frag.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	P12 BPSK	1	1	17.90	17.90	17.90	18.5	0.0
100	P12 BPSK	1	137	17.66	17.66	17.66	18.5	0.0
100	P12 BPSK	1	271	17.85	17.85	17.85	18.5	0.0
100	P12 BPSK	135	0	17.87	17.87	17.87	18.5	0.0
100	P12 BPSK	135	69	17.88	17.88	17.88	18.5	0.0
100	P12 BPSK	135	138	17.91	17.91	17.91	18.5	0.0
100	P12 BPSK	270	0	17.92	17.92	17.92	18.5	0.0
100	QPSK	1	1	17.85	17.85	17.85	18.5	0.0
100	QPSK	1	137	17.72	17.72	17.72	18.5	0.0
100	QPSK	1	271	17.78	17.78	17.78	18.5	0.0
100	QPSK	135	0	17.82	17.82	17.82	18.5	0.0
100	QPSK	135	69	17.75	17.75	17.75	18.5	0.0
100	QPSK	135	138	17.84	17.84	17.84	18.5	0.0
100	QPSK	270	0	17.83	17.83	17.83	18.5	0.0
100	16QAM	1	1	17.76	17.76	17.76	18.5	0.0
100	64QAM	1	1	17.71	17.71	17.71	18.5	0.0
100	256QAM	1	1	17.78	17.78	17.78	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.62	17.78	17.83	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.63	17.71	17.66	18.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.54	17.73	17.68	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.62	17.71	17.69	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.60	17.72	17.65	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.54	17.74	17.70	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.62	17.77	17.68	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.60	17.74	17.62	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.42	17.59	17.62	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.62	17.62	17.71	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.52	17.59	17.63	18.5	0.0



Part27O_n78(HPUE)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.77	18.77	18.77	19.5	0.0
100	PI2 BPSK	1	137	18.63	18.63	18.63	19.5	0.0
100	PI2 BPSK	1	271	18.58	18.58	18.58	19.5	0.0
100	PI2 BPSK	135	0	18.49	18.49	18.49	19.5	0.0
100	PI2 BPSK	135	69	18.64	18.64	18.64	19.5	0.0
100	PI2 BPSK	135	138	18.49	18.49	18.49	19.5	0.0
100	PI2 BPSK	270	0	18.51	18.51	18.51	19.5	0.0
100	QPSK	1	1	18.71	18.71	18.71	19.5	0.0
100	QPSK	1	137	18.71	18.71	18.71	19.5	0.0
100	QPSK	1	271	18.71	18.71	18.71	19.5	0.0
100	QPSK	135	0	18.60	18.60	18.60	19.5	0.0
100	QPSK	135	69	18.60	18.60	18.60	19.5	0.0
100	QPSK	135	138	18.61	18.61	18.61	19.5	0.0
100	QPSK	270	0	18.61	18.61	18.61	19.5	0.0
100	BQAM	1	1	18.72	18.72	18.72	19.5	0.0
100	BQAM	1	1	18.72	18.72	18.72	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.57	18.79	18.87	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.57	18.70	18.88	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.57	18.73	18.86	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.56	18.71	18.81	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.57	18.79	18.80	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.58	18.71	18.85	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.52	18.75	18.86	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.52	18.72	18.81	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.40	18.70	18.80	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.52	18.72	18.80	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.55	18.73	18.80	19.5	0.0



Part27Q_n78_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	14.95	14.95	14.95		
100	PB2 BPSK	1	137	14.58			15.5	0.0
100	PB2 BPSK	1	271	14.47				
100	PB2 BPSK	135	0	14.46			15.5	0.0
100	PB2 BPSK	135	69	14.45			15.5	0.0
100	PB2 BPSK	135	138	14.39			15.5	0.0
100	PB2 BPSK	270	0	14.40				
100	QPSK	1	1	14.75				
100	QPSK	1	137	14.66			15.5	0.0
100	QPSK	1	271	14.52				
100	QPSK	135	0	14.55			15.5	0.0
100	QPSK	135	69	14.50			15.5	0.0
100	QPSK	135	138	14.49			15.5	0.0
100	QPSK	270	0	14.51				
100	64QAM	1	1	14.69			15.5	0.0
100	64QAM	1	1	14.69			15.5	0.0
100	256QAM	1	1	14.80			15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.54	14.70	14.59	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.53	14.67	14.54	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.48	14.48	14.47	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.48	14.63	14.50	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.53	14.66	14.57	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.50	14.64	14.49	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.46	14.63	14.48	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.53	14.70	14.50	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.53	14.67	14.54	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.52	14.69	14.53	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.49	14.64	14.61	15.5	0.0

Part27Q_n78(HPUe)_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	17.67	17.67	17.67		
100	PB2 BPSK	1	137	17.53			18.5	0.0
100	PB2 BPSK	1	271	17.51				
100	PB2 BPSK	135	0	17.59			18.5	0.0
100	PB2 BPSK	135	69	17.57			18.5	0.0
100	PB2 BPSK	135	138	17.51			18.5	0.0
100	PB2 BPSK	270	0	17.58				
100	QPSK	1	1	17.77				
100	QPSK	1	137	17.67			18.5	0.0
100	QPSK	1	271	17.64				
100	QPSK	135	0	17.59			18.5	0.0
100	QPSK	135	69	17.73			18.5	0.0
100	QPSK	135	138	17.59			18.5	0.0
100	QPSK	270	0	17.62				
100	64QAM	1	1	17.71			18.5	0.0
100	64QAM	1	1	17.72			18.5	0.0
100	256QAM	1	1	17.64			18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.49	17.65	17.54	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.50	17.71	17.60	18.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.50	17.63	17.52	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.46	17.66	17.56	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.46	17.65	17.52	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.48	17.65	17.52	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.51	17.69	17.51	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.51	17.63	17.51	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.58	17.64	17.49	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.47	17.61	17.52	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.53	17.64	17.49	18.5	0.0

Part27Q_n78_Ant 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. [Frac.]	Power Middle Ch. [Frac.]	Power High Ch. [Frac.]	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	14.65	14.65	14.65		
100	PB2 BPSK	1	137	14.63			15.5	0.0
100	PB2 BPSK	1	271	14.58				
100	PB2 BPSK	135	0	14.42			15.5	0.0
100	PB2 BPSK	135	69	14.61			15.5	0.0
100	PB2 BPSK	135	138	14.44			15.5	0.0
100	PB2 BPSK	270	0	14.53				
100	QPSK	1	1	14.79				
100	QPSK	1	137	14.79			15.5	0.0
100	QPSK	1	271	14.66				
100	QPSK	135	0	14.54			15.5	0.0
100	QPSK	135	69	14.66			15.5	0.0
100	QPSK	135	138	14.51			15.5	0.0
100	QPSK	270	0	14.61				
100	64QAM	1	1	14.71			15.5	0.0
100	64QAM	1	1	14.62			15.5	0.0
100	256QAM	1	1	14.68			15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.62	14.68	14.59	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.65	14.72	14.59	15.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.62	14.65	14.59	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.67	14.70	14.57	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.60	14.74	14.62	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.62	14.73	14.61	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.62	14.66	14.52	15.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.62	14.67	14.59	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.62	14.74	14.57	15.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.62	14.66	14.58	15.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.61	14.64	14.59	15.5	0.0



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				678	66000			
100	PI2 BPSK	1	1	17.52				
100	PI2 BPSK	1	137	17.31			18.5	0.0
100	PI2 BPSK	1	271	17.26				
100	PI2 BPSK	135	0	17.28			18.5	0.0
100	PI2 BPSK	135	69	17.41			18.5	0.0
100	PI2 BPSK	135	138	17.26			18.5	0.0
100	PI2 BPSK	270	0	17.29				
100	QPSK	1	1	17.57				
100	QPSK	1	137	17.46			18.5	0.0
100	QPSK	1	271	17.44				
100	QPSK	135	0	17.41			18.5	0.0
100	QPSK	135	69	17.26			18.5	0.0
100	QPSK	135	138	17.45			18.5	0.0
100	QPSK	270	0	17.29				
100	BQAM	1	1	17.46			18.5	0.0
100	BQAM	1	1	17.52			18.5	0.0
100	BQAM	1	1	17.42			18.5	0.0
Channel				64868	65000	65332	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3764.98	(dBm)	(dB)
90	QPSK	1	1	17.32	17.43	17.41	18.5	0.0
Channel				64832	65000	65068	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	QPSK	1	1	17.32	17.51	17.45	18.5	0.0
Channel				64800	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765	(dBm)	(dB)
70	QPSK	1	1	17.33	17.46	17.43	18.5	0.0
Channel				64768	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	QPSK	1	1	17.32	17.45	17.44	18.5	0.0
Channel				64732	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	QPSK	1	1	17.41	17.51	17.41	18.5	0.0
Channel				64690	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3760	(dBm)	(dB)
40	QPSK	1	1	17.32	17.40	17.42	18.5	0.0
Channel				64658	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3764.98	(dBm)	(dB)
30	QPSK	1	1	17.34	17.40	17.40	18.5	0.0
Channel				64620	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5	(dBm)	(dB)
25	QPSK	1	1	17.40	17.42	17.41	18.5	0.0
Channel				64584	65000	65068	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3710.51	3750	3789.50	(dBm)	(dB)
20	QPSK	1	1	17.37	17.43	17.43	18.5	0.0
Channel				64548	65000	65032	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	QPSK	1	1	17.37	17.47	17.42	18.5	0.0
Channel				64500	65000	65000	Tune-up Unit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	QPSK	1	1	17.34	17.42	17.42	18.5	0.0



Part27Q_n78_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	12.44	12.46	12.48				
100	PI2 BPSK	1	137	12.39			13.5	0.0		
100	PI2 BPSK	1	271	12.37						
100	PI2 BPSK	135	0	12.30			13.5	0.0		
100	PI2 BPSK	135	69	12.39			13.5	0.0		
100	PI2 BPSK	135	138	12.34			13.5	0.0		
100	PI2 BPSK	270	0	12.32						
100	QPSK	1	1	12.56						
100	QPSK	1	137	12.41			13.5	0.0		
100	QPSK	1	271	12.48						
100	QPSK	135	0	12.35			13.5	0.0		
100	QPSK	135	69	12.40			13.5	0.0		
100	QPSK	135	138	12.45			13.5	0.0		
100	QPSK	270	0	12.38						
100	8QAM	1	1	12.40			13.5	0.0		
100	8QAM	1	1	12.46			13.5	0.0		
100	256QAM	1	1	12.44			13.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	12.21	12.50	12.38	13.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	12.21	12.48	12.36	13.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	12.23	12.41	12.29	13.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	12.16	12.45	12.33	13.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	12.17	12.46	12.31	13.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	12.16	12.50	12.27	13.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	12.24	12.48	12.33	13.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	12.20	12.46	12.27	13.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	12.20	12.48	12.23	13.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	12.19	12.48	12.21	13.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	12.20	12.47	12.22	13.5	0.0		

Part27Q_n78(HPUe)_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	15.41						
100	PI2 BPSK	1	137	15.28			16.5	0.0		
100	PI2 BPSK	1	271	15.30						
100	PI2 BPSK	135	0	15.30			16.5	0.0		
100	PI2 BPSK	135	69	15.31			16.5	0.0		
100	PI2 BPSK	135	138	15.28			16.5	0.0		
100	PI2 BPSK	270	0	15.29						
100	QPSK	1	1	15.54						
100	QPSK	1	137	15.43			16.5	0.0		
100	QPSK	1	271	15.42						
100	QPSK	135	0	15.38			16.5	0.0		
100	QPSK	135	69	15.40			16.5	0.0		
100	QPSK	135	138	15.36			16.5	0.0		
100	QPSK	270	0	15.32						
100	8QAM	1	1	15.40			16.5	0.0		
100	8QAM	1	1	15.49			16.5	0.0		
100	256QAM	1	1	15.40			16.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	15.24	15.47	15.41	16.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	15.29	15.46	15.38	16.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	15.31	15.48	15.36	16.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	15.28	15.44	15.33	16.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	15.33	15.48	15.39	16.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	15.29	15.40	15.37	16.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	15.29	15.46	15.30	16.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	15.24	15.43	15.30	16.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	15.28	15.44	15.30	16.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	15.29	15.41	15.40	16.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	15.23	15.47	15.30	16.5	0.0		

Part27Q_n78_Ant 6										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	12.49						
100	PI2 BPSK	1	137	12.64			13.5	0.0		
100	PI2 BPSK	1	271	12.49						
100	PI2 BPSK	135	0	12.37			13.5	0.0		
100	PI2 BPSK	135	69	12.59			13.5	0.0		
100	PI2 BPSK	135	138	12.46			13.5	0.0		
100	PI2 BPSK	270	0	12.55						
100	QPSK	1	1	12.76						
100	QPSK	1	137	12.76			13.5	0.0		
100	QPSK	1	271	12.81						
100	QPSK	135	0	12.52			13.5	0.0		
100	QPSK	135	69	12.86			13.5	0.0		
100	QPSK	135	138	12.58			13.5	0.0		
100	QPSK	270	0	12.81						
100	8QAM	1	1	12.69			13.5	0.0		
100	8QAM	1	1	12.64			13.5	0.0		
100	256QAM	1	1	12.71			13.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	12.30	12.82	12.38	13.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	12.44	12.89	12.40	13.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	12.46	12.86	12.44	13.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	12.40	12.83	12.42	13.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	12.48	12.89	12.46	13.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	12.41	12.71	12.40	13.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	12.42	12.69	12.46	13.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	12.41	12.64	12.41	13.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	12.40	12.66	12.40	13.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	12.45	12.71	12.44	13.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	12.46	12.52	12.47	13.5	0.0		



Part27O_n78(HPUE)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3742	3742	3742		
100	PI2 BPSK	1	1	15.52	15.52	15.52	16.5	0.0
100	PI2 BPSK	1	137	15.49	15.49	15.49	16.5	0.0
100	PI2 BPSK	1	271	15.35	15.35	15.35	16.5	0.0
100	PI2 BPSK	135	0	15.27	15.27	15.27	16.5	0.0
100	PI2 BPSK	135	69	15.38	15.38	15.38	16.5	0.0
100	PI2 BPSK	135	138	15.23	15.23	15.23	16.5	0.0
100	PI2 BPSK	270	0	15.22	15.22	15.22	16.5	0.0
100	QPSK	1	1	15.50	15.50	15.50	16.5	0.0
100	QPSK	1	137	15.54	15.54	15.54	16.5	0.0
100	QPSK	1	271	15.49	15.49	15.49	16.5	0.0
100	QPSK	135	0	15.38	15.38	15.38	16.5	0.0
100	QPSK	135	69	15.34	15.34	15.34	16.5	0.0
100	QPSK	135	138	15.34	15.34	15.34	16.5	0.0
100	QPSK	270	0	15.37	15.37	15.37	16.5	0.0
100	BQAM	1	1	15.49	15.49	15.49	16.5	0.0
100	BQAM	1	1	15.51	15.51	15.51	16.5	0.0
100	BQAM	1	1	15.54	15.54	15.54	16.5	0.0
Channel								
Frequency (MHz)				3745.02	3745.02	3745.02		
90	QPSK	1	1	15.26	15.53	15.32	16.5	0.0
Channel								
Frequency (MHz)				3745.35	3745.35	3745.35		
80	QPSK	1	1	15.27	15.51	15.24	16.5	0.0
Channel								
Frequency (MHz)				3745.03	3745.03	3745.03		
70	QPSK	1	1	15.35	15.48	15.31	16.5	0.0
Channel								
Frequency (MHz)				3730.02	3730.02	3730.02		
60	QPSK	1	1	15.29	15.49	15.33	16.5	0.0
Channel								
Frequency (MHz)				3725.01	3725.01	3725.01		
50	QPSK	1	1	15.25	15.51	15.32	16.5	0.0
Channel								
Frequency (MHz)				3720.02	3720.02	3720.02		
40	QPSK	1	1	15.33	15.47	15.33	16.5	0.0
Channel								
Frequency (MHz)				3715.02	3715.02	3715.02		
30	QPSK	1	1	15.35	15.45	15.26	16.5	0.0
Channel								
Frequency (MHz)				3712.5	3712.5	3712.5		
25	QPSK	1	1	15.34	15.34	15.24	16.5	0.0
Channel								
Frequency (MHz)				3710.51	3710.51	3710.51		
20	QPSK	1	1	15.25	15.47	15.27	16.5	0.0
Channel								
Frequency (MHz)				3707.52	3707.52	3707.52		
15	QPSK	1	1	15.22	15.45	15.24	16.5	0.0
Channel								
Frequency (MHz)				3705.03	3705.03	3705.03		
10	QPSK	1	1	15.31	15.51	15.30	16.5	0.0



Part27Q_n78_Ant 8

BW (MHz)	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	15.12	3493.98	3493.98	16.0	0.0
100	PI2 BPSK	1	137	15.06				
100	PI2 BPSK	1	271	15.00			16.0	0.0
100	PI2 BPSK	135	0	14.94				
100	PI2 BPSK	135	69	14.90			16.0	0.0
100	PI2 BPSK	135	138	14.82				
100	PI2 BPSK	270	0	14.79			16.0	0.0
100	QPSK	1	1	15.24				
100	QPSK	1	137	15.18			16.0	0.0
100	QPSK	1	271	15.14				
100	QPSK	135	0	15.03			16.0	0.0
100	QPSK	135	69	15.00				
100	QPSK	135	138	14.97			16.0	0.0
100	QPSK	270	0	14.94				
100	16QAM	1	1	15.17			16.0	0.0
100	16QAM	1	1	15.19				
100	256QAM	1	1	15.16			16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.97	15.18	14.95	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.81	15.09	15.00	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.88	15.11	14.96	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.91	15.19	14.97	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.97	15.13	14.97	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.96	15.17	15.03	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.94	15.19	14.96	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	14.98	15.09	14.94	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.92	15.15	15.02	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	14.94	15.12	15.03	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.95	15.16	14.97	16.0	0.0

Part27Q_n78(HPUe)_Ant 8

BW (MHz)	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	17.05	3499.98	3499.98	19.0	0.0
100	PI2 BPSK	1	137	17.03				
100	PI2 BPSK	1	271	17.02			19.0	0.0
100	PI2 BPSK	135	0	17.08				
100	PI2 BPSK	135	69	17.06			19.0	0.0
100	PI2 BPSK	135	138	17.04				
100	PI2 BPSK	270	0	17.05			19.0	0.0
100	QPSK	1	1	18.11				
100	QPSK	1	137	17.96			19.0	0.0
100	QPSK	1	271	18.05				
100	QPSK	135	0	17.98			19.0	0.0
100	QPSK	135	69	18.05				
100	QPSK	135	138	17.96			19.0	0.0
100	QPSK	270	0	17.01				
100	16QAM	1	1	18.05			19.0	0.0
100	16QAM	1	1	18.01				
100	256QAM	1	1	18.04			19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.82	18.05	17.84	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.80	18.00	17.81	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	17.84	18.02	17.81	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.85	17.97	17.84	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.83	18.03	17.80	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.83	17.93	17.87	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.87	18.03	17.80	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.85	17.97	17.80	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.87	17.93	17.87	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.85	18.02	17.80	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.82	18.02	17.80	19.0	0.0

Part27Q_n78_Ant 8

BW (MHz)	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	15.30	3493.98	3493.98	16.0	0.0
100	PI2 BPSK	1	137	15.11				
100	PI2 BPSK	1	271	15.24			16.0	0.0
100	PI2 BPSK	135	0	14.96				
100	PI2 BPSK	135	69	15.08			16.0	0.0
100	PI2 BPSK	135	138	15.01				
100	PI2 BPSK	270	0	14.99			16.0	0.0
100	QPSK	1	1	15.35				
100	QPSK	1	137	15.24			16.0	0.0
100	QPSK	1	271	15.30				
100	QPSK	135	0	15.10			16.0	0.0
100	QPSK	135	69	15.23				
100	QPSK	135	138	15.10			16.0	0.0
100	QPSK	270	0	15.11				
100	16QAM	1	1	15.29			16.0	0.0
100	16QAM	1	1	15.22				
100	256QAM	1	1	15.28			16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.15	15.27	15.07	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.17	15.24	15.12	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.19	15.29	15.14	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.19	15.30	15.14	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.12	15.30	15.07	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.17	15.23	15.09	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.17	15.23	15.07	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.21	15.22	15.07	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.20	15.26	15.13	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.15	15.26	15.13	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.14	15.26	15.15	16.0	0.0



Part270_n78(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mode Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				58988	59000	59012			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	17.83	18.13	18.00	19.0	0.0	
Channel				58992	59000	59008			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	17.85	18.10	18.04	19.0	0.0	
Channel				58996	59000	59004			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	17.86	18.07	18.02	19.0	0.0	
Channel				58999	59000	59001			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	17.87	18.05	17.94	19.0	0.0	
Channel				58993	59000	59007			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	17.84	18.04	17.99	19.0	0.0	
Channel				58990	59000	59010			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	17.84	18.13	17.97	19.0	0.0	
Channel				58994	59000	59006			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	17.91	18.10	18.03	19.0	0.0	
Channel				58996	59000	59004			
Frequency (MHz)				3710.01	3750	3787.5			
25	QPSK	1	1	17.86	18.11	17.95	19.0	0.0	
Channel				58994	59000	59006			
Frequency (MHz)				3705.01	3750	3789.99			
20	QPSK	1	1	17.85	18.04	17.93	19.0	0.0	
Channel				58994	59000	59006			
Frequency (MHz)				3700.02	3750	3792.48			
15	QPSK	1	1	17.91	18.11	17.97	19.0	0.0	
Channel				58996	59000	59004			
Frequency (MHz)				3705	3750	3785			
10	QPSK	1	1	17.90	18.14	18.04	19.0	0.0	



Reduced Power Mode for DSI9

n2_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				1870	1880	1890				
40	PI2 BPSK	1	1	23.31	23.40	23.27				
40	PI2 BPSK	1	108	23.28	23.33	23.21	24.0	0.0		
40	PI2 BPSK	1	244	23.27	23.37	23.27				
40	PI2 BPSK	108	0	22.77	22.92	22.83	23.5	0.5		
40	PI2 BPSK	108	54	23.25	23.37	23.24	24.0	0.0		
40	PI2 BPSK	108	108	22.92	23.00	22.93				
40	PI2 BPSK	216	0	22.85	22.97	22.86	23.5	0.5		
40	QPSK	1	1	23.41	23.45	23.38				
40	QPSK	1	108	23.38	23.42	23.33	24.0	0.0		
40	QPSK	1	214	23.28	23.39	23.21				
40	QPSK	108	0	22.28	22.42	22.34	23.0	1.0		
40	QPSK	108	54	23.37	23.40	23.33	24.0	0.0		
40	QPSK	108	108	22.45	22.49	22.43				
40	QPSK	216	0	22.11	22.22	22.11	23.0	1.0		
40	16QAM	1	1	22.08	22.12	22.03	23.0	1.0		
40	16QAM	1	1	20.74	20.77	20.67	21.5	2.5		
40	256QAM	1	1	18.77	18.80	18.65	19.5	4.5		
Channel										
Frequency (MHz)				37500	376000	376500	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	1892.5	1890	1892.5	24.0	0.0		
Channel										
Frequency (MHz)				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	1865	1880	1895	24.0	0.0		
Channel										
Frequency (MHz)				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	23.29	23.32	23.30	24.0	0.0		
Channel										
Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	23.32	23.40	23.33	24.0	0.0		
Channel										
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	187.5	190	192.5	24.0	0.0		
Channel										
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	23.31	23.40	23.29	24.0	0.0		
Channel										
Frequency (MHz)				1892.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	23.28	23.40	23.32	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)				1870	1880	1890				
40	PI2 BPSK	1	1	23.22	23.30	23.22				
40	PI2 BPSK	1	108	23.14	23.18	23.16	24.0	0.0		
40	PI2 BPSK	1	244	23.20	23.22	23.15				
40	PI2 BPSK	108	0	22.67	22.80	22.75	23.5	0.5		
40	PI2 BPSK	108	54	23.19	23.24	23.09	24.0	0.0		
40	PI2 BPSK	108	108	22.86	22.91	22.88				
40	PI2 BPSK	216	0	22.85	22.90	22.75	23.5	0.5		
40	QPSK	1	1	23.28	23.34	23.30				
40	QPSK	1	108	23.20	23.23	23.12	24.0	0.0		
40	QPSK	1	214	23.14	23.27	23.21				
40	QPSK	108	0	22.26	22.31	22.19	23.0	1.0		
40	QPSK	108	54	23.14	23.28	23.18	24.0	0.0		
40	QPSK	108	108	22.23	22.37	22.24				
40	QPSK	216	0	22.13	22.16	22.03	23.0	1.0		
40	16QAM	1	1	21.88	21.97	21.94	23.0	1.0		
40	16QAM	1	1	20.65	20.70	20.66	21.5	2.5		
40	256QAM	1	1	18.73	18.75	18.72	19.5	4.5		
Channel										
Frequency (MHz)				375000	376000	376500	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	1892.5	1890	1892.5	24.0	0.0		
Channel										
Frequency (MHz)				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	1865	1880	1895	24.0	0.0		
Channel										
Frequency (MHz)				1862.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	23.17	23.30	23.29	24.0	0.0		
Channel										
Frequency (MHz)				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)		
20	QPSK	1	1	23.22	23.29	23.30	24.0	0.0		
Channel										
Frequency (MHz)				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	187.5	190	192.5	24.0	0.0		
Channel										
Frequency (MHz)				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	23.22	23.26	23.26	24.0	0.0		
Channel										
Frequency (MHz)				1892.5	1880	1897.5	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	23.17	23.26	23.23	24.0	0.0		

n5_Ant 0										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)				834	836.5	839				
20	PI2 BPSK	1	1	22.86	22.89	22.86				
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0	0.0		
20	PI2 BPSK	1	104	22.76	22.78	22.70				
20	PI2 BPSK	50	0	22.28	22.42	22.33	23.5	0.5		
20	PI2 BPSK	50	28	22.78	22.86	22.81	24.0	0.0		
20	PI2 BPSK	50	56	22.28	22.40	22.26				
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5	0.5		
20	QPSK	1	1	22.87	22.90	22.81				
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0		
20	QPSK	1	104	22.80	22.87	22.80				
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0		
20	QPSK	50	28	22.83	22.87	22.80	24.0	0.0		
20	QPSK	50	56	21.99	22.02	22.01				
20	QPSK	100	0	21.94	21.96	21.88	23.0	1.0		
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0		
20	16QAM	1	1	20.46	20.50	20.37	21.5	2.5		
20	256QAM	1	1	18.52	18.59	18.48	19.5	4.5		
Channel										
Frequency (MHz)				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	841.5	838.5	841.5	24.0	0.0		
Channel										
Frequency (MHz)				168800	167800	168800	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	828	836.5	844	24.0	0.0		
Channel										
Frequency (MHz)				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	1	22.72	22.79	22.73	24.0	0.0		



n5_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	MPR (dB)
Channel				165000	167300	169000	
Frequency (MHz)				834	836.5	839	
20	PI2 BPSK	1	1	22.68	22.77	22.63	
20	PI2 BPSK	1	53	22.60	22.74	22.59	24.0
20	PI2 BPSK	1	104	22.62	22.70	22.55	
20	PI2 BPSK	50	0	22.28	22.33	22.32	23.5
20	PI2 BPSK	50	26	22.70	22.76	22.61	24.0
20	PI2 BPSK	50	56	22.15	22.28	22.19	
20	PI2 BPSK	100	0	22.20	22.35	22.34	23.5
20	QPSK	1	1	22.75	22.80	22.72	
20	QPSK	1	53	22.66	22.73	22.61	24.0
20	QPSK	1	104	22.73	22.75	22.63	
20	QPSK	50	0	21.82	21.88	21.74	23.0
20	QPSK	50	26	22.85	22.77	22.67	24.0
20	QPSK	50	56	21.82	21.88	21.85	23.0
20	QPSK	100	0	21.75	21.90	21.78	
20	16QAM	1	1	21.87	21.86	21.86	23.0
20	64QAM	1	1	20.35	20.38	20.25	21.5
20	256QAM	1	1	18.43	18.45	18.34	19.5
Channel				166300	167300	168300	
Frequency (MHz)				831.5	836.5	841.5	
15	QPSK	1	1	22.70	22.75	22.61	24.0
Channel				166800	167300	168800	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	1	22.61	22.73	22.63	24.0
Channel				165300	167300	169300	
Frequency (MHz)				836.5	836.5	846.5	
5	QPSK	1	1	22.70	22.70	22.57	24.0

n7_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	MPR (dB)
Channel				509000	509000	510000	
Frequency (MHz)				2550	2535	2550	
40	PI2 BPSK	1	1	23.32	23.40	23.28	
40	PI2 BPSK	1	108	23.24	23.32	23.20	24.0
40	PI2 BPSK	1	214	23.38	23.38	23.29	
40	PI2 BPSK	108	0	22.78	22.85	22.75	23.5
40	PI2 BPSK	108	54	23.30	23.34	23.31	24.0
40	PI2 BPSK	108	108	22.77	22.88	22.86	
40	PI2 BPSK	216	0	22.85	22.90	22.88	23.5
40	QPSK	1	1	23.44	23.45	23.42	
40	QPSK	1	108	23.30	23.39	23.24	24.0
40	QPSK	1	214	23.23	23.33	23.21	
40	QPSK	108	0	23.32	23.39	23.34	23.0
40	QPSK	108	54	23.25	23.41	23.35	24.0
40	QPSK	108	108	22.32	22.38	22.36	23.0
40	QPSK	216	0	22.25	22.35	22.28	
40	16QAM	1	1	22.29	22.40	22.37	23.0
40	64QAM	1	1	20.80	20.93	20.84	21.5
40	256QAM	1	1	18.77	18.88	18.73	19.5
Channel				509500	509000	510500	
Frequency (MHz)				2577.5	2535	2557.5	
35	QPSK	1	1	23.32	23.39	23.31	24.0
Channel				509000	509000	511000	
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	23.35	23.40	23.38	24.0
Channel				509500	509000	511500	
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	23.29	23.30	23.31	24.0
Channel				502000	509000	512000	
Frequency (MHz)				2510	2535	2550	
20	QPSK	1	1	23.39	23.39	23.31	24.0
Channel				501500	509000	512500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	23.35	23.31	23.30	24.0
Channel				501000	509000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	23.37	23.30	23.32	24.0
Channel				500500	509000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	23.36	23.31	23.31	24.0

n7_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (MHz)	Power Middle Ch. / Freq. (MHz)	Power High Ch. / Freq. (MHz)	MPR (dB)
Channel				509000	509000	510000	
Frequency (MHz)				2550	2535	2550	
40	PI2 BPSK	1	1	22.58	22.63	22.59	
40	PI2 BPSK	1	108	22.62	22.70	22.56	23.5
40	PI2 BPSK	1	214	22.62	22.73	22.68	
40	PI2 BPSK	108	0	22.61	22.74	22.69	23.5
40	PI2 BPSK	108	54	22.56	22.68	22.59	23.5
40	PI2 BPSK	108	108	22.58	22.70	22.61	
40	PI2 BPSK	216	0	22.53	22.65	22.58	23.5
40	QPSK	1	1	22.58	22.75	22.70	
40	QPSK	1	108	22.65	22.68	22.61	23.5
40	QPSK	1	214	22.57	22.60	22.64	
40	QPSK	108	0	22.61	22.92	22.86	23.0
40	QPSK	108	54	22.55	22.69	22.63	23.5
40	QPSK	108	108	22.18	22.29	22.14	23.0
40	QPSK	216	0	22.28	22.32	22.30	
40	16QAM	1	1	22.23	22.25	22.23	23.0
40	64QAM	1	1	20.54	20.65	20.61	21.5
40	256QAM	1	1	18.59	18.66	18.57	19.5
Channel				509500	509000	510500	
Frequency (MHz)				2577.5	2535	2557.5	
35	QPSK	1	1	22.58	22.63	22.61	23.5
Channel				509000	509000	511000	
Frequency (MHz)				2515	2535	2555	
30	QPSK	1	1	22.60	22.67	22.63	23.5
Channel				509500	509000	511500	
Frequency (MHz)				2512.5	2535	2557.5	
25	QPSK	1	1	22.64	22.62	22.62	23.5
Channel				502000	509000	512000	
Frequency (MHz)				2510	2535	2550	
20	QPSK	1	1	22.67	22.63	22.60	23.5
Channel				501500	509000	512500	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	1	22.63	22.66	22.64	23.5
Channel				501000	509000	513000	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	1	22.63	22.73	22.67	23.5
Channel				500500	509000	513500	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	1	22.56	22.61	22.64	23.5



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				14300	14300	14300			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.92	23.05	22.91			
15	Pl2 BPSK	1	40	23.01	23.08	22.99	24.0	0.0	
15	Pl2 BPSK	1	77	22.90	23.01	22.97			
15	Pl2 BPSK	36	0	22.49	22.59	22.56	23.5	0.5	
15	Pl2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pl2 BPSK	36	43	22.49	22.60	22.46			
15	Pl2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.90	22.02	22.00	23.0	1.0	
15	QPSK	36	22	22.98	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91			
15	QPSK	75	0	21.91	21.96	21.83	23.0	1.0	
15	16QAM	1	1	21.94	22.08	21.99	23.0	1.0	
15	16QAM	1	1	20.60	20.72	20.64	21.5	2.5	
15	256QAM	1	1	18.84	18.85	18.84	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.99	22.96	22.82	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.95	23.02	22.89	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				14300	14300	14300			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79			
15	Pl2 BPSK	1	40	22.68	22.80	22.74	24.0	0.0	
15	Pl2 BPSK	1	77	22.73	22.78	22.69			
15	Pl2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	Pl2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	36	43	22.33	22.48	22.36			
15	Pl2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.81			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.88	22.81	22.75			
15	QPSK	36	0	21.85	21.86	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.86	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76			
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0	
15	16QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	16QAM	1	1	20.28	20.39	20.31	21.5	2.5	
15	256QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	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				158000	158000	158000			
Frequency (MHz)				793					
10	Pl2 BPSK	1	1			23.30			
10	Pl2 BPSK	1	26			23.22	24.0	0.0	
10	Pl2 BPSK	1	60			23.28			
10	Pl2 BPSK	25	0			22.75	23.5	0.5	
10	Pl2 BPSK	25	14			23.25	24.0	0.0	
10	Pl2 BPSK	25	27			22.77	23.5	0.5	
10	Pl2 BPSK	50	0			22.72			
10	QPSK	1	1			23.37			
10	QPSK	1	26			23.30	24.0	0.0	
10	QPSK	1	50			23.33			
10	QPSK	25	0			23.05	23.0	1.0	
10	QPSK	25	14			23.26	24.0	0.0	
10	QPSK	25	27			22.10	23.0	1.0	
10	QPSK	50	0			22.02			
10	16QAM	1	1			22.59	23.0	1.0	
10	16QAM	1	1			20.88	21.5	2.5	
10	256QAM	1	1			18.90	19.5	4.5	
Channel				158100	158000	158100	Tune-up limit (dBm)	MPR	
Frequency (MHz)				793.5	793	793.5			
5	QPSK	1	1	23.32	23.29	23.25	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				158000					
Frequency (MHz)				765					
10	PI2 BPSK	1	1		23.00				
10	PI2 BPSK	1	26		23.02		24.0	0.0	
10	PI2 BPSK	1	50		22.96		23.5	0.5	
10	PI2 BPSK	25	0		22.58		24.0	0.0	
10	PI2 BPSK	25	14		22.99		24.0	0.0	
10	PI2 BPSK	25	27		22.50		23.5	0.5	
10	PI2 BPSK	50	0		22.54				
10	QPSK	1	1		23.07				
10	QPSK	1	26		23.03		24.0	0.0	
10	QPSK	1	50		23.00				
10	QPSK	25	0		22.10		23.0	1.0	
10	QPSK	25	14		22.98		24.0	0.0	
10	QPSK	25	27		22.02		23.0	1.0	
10	QPSK	50	0		22.07				
10	16QAM	1	1		22.00		23.0	1.0	
10	16QAM	1	1		20.44		21.5	2.5	
10	256QAM	1	1		18.50		19.5	4.5	
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				761.5	763	765.5	24.0	0.0	
5	QPSK	1	1		22.90	22.95	22.95	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					
Frequency (MHz)				1870					
40	PI2 BPSK	1	1		23.29	23.44	23.43		
40	PI2 BPSK	1	108		23.34	23.40	23.27	24.0	0.0
40	PI2 BPSK	1	214		23.24	23.37	23.24		
40	PI2 BPSK	108	0		22.83	22.98	22.95	23.5	0.5
40	PI2 BPSK	108	54		23.33	23.48	23.34	24.0	0.0
40	PI2 BPSK	108	108		22.75	22.90	22.87		
40	PI2 BPSK	216	0		22.94	22.95	22.91	23.5	0.5
40	QPSK	1	1		23.45	23.50	23.37		
40	QPSK	1	108		23.32	23.41	23.34	24.0	0.0
40	QPSK	1	214		23.31	23.45	23.33		
40	QPSK	108	0		22.47	22.50	22.38	23.0	1.0
40	QPSK	108	54		23.25	23.44	23.35	24.0	0.0
40	QPSK	108	108		22.34	22.42	22.37		
40	QPSK	216	0		22.40	22.45	22.43	23.0	1.0
40	16QAM	1	1		22.32	22.47	22.41	23.0	1.0
40	16QAM	1	1		20.88	21.00	20.88	21.5	2.5
40	256QAM	1	1		18.88	18.92	18.79	19.5	4.5
Channel				375000	376500	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1875	1875	1875	24.0	0.0	
35	QPSK	1	1		23.34	23.44	23.26	24.0	0.0
Channel				379000	379500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1900	24.0	0.0	
30	QPSK	1	1		23.08	23.39	23.29	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1862.5	1902.5	24.0	0.0	
25	QPSK	1	1		23.31	23.38	23.25	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1862.5	1905	24.0	0.0	
20	QPSK	1	1		23.33	23.43	23.30	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1862.5	1907.5	24.0	0.0	
15	QPSK	1	1		23.37	23.39	23.23	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1910	24.0	0.0	
10	QPSK	1	1		23.39	23.44	23.26	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1862.5	1912.5	24.0	0.0	
5	QPSK	1	1		23.31	23.35	23.30	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					
Frequency (MHz)				1870					
40	PI2 BPSK	1	1		23.12	23.25	23.23		
40	PI2 BPSK	1	108		23.18	23.23	23.12	24.0	0.0
40	PI2 BPSK	1	214		23.15	23.24	23.23		
40	PI2 BPSK	108	0		23.00	23.04	22.91	23.5	0.5
40	PI2 BPSK	108	54		23.32	23.35	23.33	24.0	0.0
40	PI2 BPSK	108	108		22.94	23.05	22.93		
40	PI2 BPSK	216	0		22.83	22.97	22.82	23.5	0.5
40	QPSK	1	1		23.37	23.40	23.34		
40	QPSK	1	108		23.26	23.38	23.31	24.0	0.0
40	QPSK	1	214		23.28	23.36	23.27		
40	QPSK	108	0		22.36	22.47	22.43	23.0	1.0
40	QPSK	108	54		23.25	23.33	23.35	24.0	0.0
40	QPSK	108	108		22.32	22.45	22.32		
40	QPSK	216	0		22.39	22.42	22.29	23.0	1.0
40	16QAM	1	1		22.34	22.40	22.36	23.0	1.0
40	16QAM	1	1		20.88	20.90	20.77	21.5	2.5
40	256QAM	1	1		18.82	18.88	18.74	19.5	4.5
Channel				375000	376500	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1875	1875	1875	24.0	0.0	
35	QPSK	1	1		23.18	23.23	23.15	24.0	0.0
Channel				379000	379500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1900	24.0	0.0	
30	QPSK	1	1		23.21	23.22	23.18	24.0	0.0
Channel				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1862.5	1902.5	24.0	0.0	
25	QPSK	1	1		23.22	23.22	23.18	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1860	1862.5	1905	24.0	0.0	
20	QPSK	1	1		23.25	23.24	23.22	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1862.5	1907.5	24.0	0.0	
15	QPSK	1	1		23.27	23.20	23.21	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1862.5	1910	24.0	0.0	
10	QPSK	1	1		23.27	23.25	23.24	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1862.5	1912.5	24.0	0.0	
5	QPSK	1	1		23.26	23.27	23.15	24.0	0.0



n26(FCC)_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				166000	166300	166600			
Frequency (MHz)				834	831.5	839			
20	Pl2 BPSK	1	1	22.88	22.93	23.02			
20	Pl2 BPSK	1	53	22.84	22.76	22.90	24.0	0.0	
20	Pl2 BPSK	1	104	22.83	22.93	22.96			
20	Pl2 BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.45	22.52			
20	Pl2 BPSK	100	0	22.40	22.47	22.50	23.5	0.5	
20	QPSK	1	1	23.03	23.01	23.05			
20	QPSK	1	53	23.01	22.95	23.04	24.0	0.0	
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0	
20	QPSK	50	28	22.91	22.98	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10			
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0	
20	16QAM	1	1	21.86	21.95	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	831.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				166800	166800	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				839	831.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_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	Pl2 BPSK	1	1	22.96	22.89	23.02			
20	Pl2 BPSK	1	53	22.78	22.75	22.90	24.0	0.0	
20	Pl2 BPSK	1	104	22.91	22.95	22.96			
20	Pl2 BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	Pl2 BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	Pl2 BPSK	50	56	22.39	22.50	22.52			
20	Pl2 BPSK	100	0	22.40	22.35	22.50	23.5	0.5	
20	QPSK	1	1	22.97	23.01	23.05			
20	QPSK	1	53	22.93	22.94	23.04	24.0	0.0	
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0	
20	QPSK	50	28	22.95	22.81	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10			
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0	
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				167300	167300	167300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				166800	167300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.87	22.86	22.98	24.0	0.0	
Channel				166300	167300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_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				166500	166300	166300			
Frequency (MHz)				834	831.5	839			
20	Pl2 BPSK	1	1	22.76	22.79	22.87			
20	Pl2 BPSK	1	53	22.81	22.80	22.85	24.0	0.0	
20	Pl2 BPSK	1	104	22.74	22.77	22.79			
20	Pl2 BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.38	22.32	22.42			
20	Pl2 BPSK	100	0	22.33	22.37	22.44	23.5	0.5	
20	QPSK	1	1	22.97	22.97	22.85			
20	QPSK	1	53	22.75	22.70	22.80	24.0	0.0	
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95			
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0	
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	16QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				831.5	831.5	831.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				166800	166300	166800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				166300	166300	166300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_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				166000	167000	168000			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.86	24.0	0.0	
20	Pl2 BPSK	1	104	22.75	22.74	22.76			
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42			
20	Pl2 BPSK	100	0	22.33	22.32	22.44	23.5	0.5	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.91	21.78	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.78	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95			
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	16QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	834.5	24.0	0.0	
Channel				168000	167300	168000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844	24.0	0.0	
10	QPSK	1	1	22.75	22.07	22.78	24.0	0.0	
Channel				169300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5	24.0	0.0	
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.42					
10	Pl2 BPSK	1	26	23.38			24.0	0.0	
10	Pl2 BPSK	1	50	23.47					
10	Pl2 BPSK	25	0	23.01			23.5	0.5	
10	Pl2 BPSK	25	14	23.48			24.0	0.0	
10	Pl2 BPSK	25	27	23.05			23.5	0.5	
10	Pl2 BPSK	50	0	23.03					
10	QPSK	1	1	23.50					
10	QPSK	1	26	23.45			24.0	0.0	
10	QPSK	1	50	23.47					
10	QPSK	25	0	22.46			23.0	1.0	
10	QPSK	25	14	23.43			24.0	0.0	
10	QPSK	25	27	22.49					
10	QPSK	50	0	22.45			23.0	1.0	
10	16QAM	1	1	22.48			23.0	1.0	
10	16QAM	1	1	20.96			21.5	2.5	
10	256QAM	1	1	19.00			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.45	23.49	23.41	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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	22.93					
10	Pl2 BPSK	1	26	22.93			23.5	0.0	
10	Pl2 BPSK	1	50	22.95					
10	Pl2 BPSK	25	0	22.97			23.5	0.0	
10	Pl2 BPSK	25	14	22.94			23.5	0.0	
10	Pl2 BPSK	25	27	22.91			23.5	0.0	
10	Pl2 BPSK	50	0	22.97					
10	QPSK	1	1	23.00					
10	QPSK	1	26	22.93			23.5	0.0	
10	QPSK	1	50	22.98					
10	QPSK	25	0	22.41			23.0	0.5	
10	QPSK	25	14	22.85			23.5	0.0	
10	QPSK	25	27	22.50			23.0	0.5	
10	QPSK	50	0	22.55			23.0	0.5	
10	16QAM	1	1	22.40			23.0	0.5	
10	16QAM	1	1	20.88			21.5	2.0	
10	256QAM	1	1	18.97			19.5	4.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5	23.5	0.0	
5	QPSK	1	1	22.94	22.97	22.96	23.5	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				345000	349000	353000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.79	22.90	22.88			
40	PI2 BPSK	1	108	22.77	22.85	22.78	24.0	0.0	
40	PI2 BPSK	1	214	22.77	22.88	22.80			
40	PI2 BPSK	108	0	22.68	22.79	22.66	24.0	0.0	
40	PI2 BPSK	108	54	22.62	22.77	22.70			
40	PI2 BPSK	108	108	22.72	22.85	22.83			
40	PI2 BPSK	216	0	22.74	22.83	22.80	24.0	0.0	
40	QPSK	1	1	22.94	23.00	22.98			
40	QPSK	1	108	22.90	22.97	22.96	24.0	0.0	
40	QPSK	1	214	22.85	22.91	22.78			
40	QPSK	108	0	22.71	22.84	22.82	24.0	0.0	
40	QPSK	108	54	22.81	22.90	22.88			
40	QPSK	108	108	22.75	22.88	22.87			
40	QPSK	216	0	22.88	22.92	22.80	24.0	0.0	
40	16QAM	1	1	22.88	22.96	22.89	24.0	0.0	
40	16QAM	1	1	21.43	21.45	21.36	22.5	1.5	
40	256QAM	1	1	19.27	19.42	19.28	20.5	3.5	
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	22.92	22.91	22.88	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.81	22.98	22.94	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.82	22.91	22.85	24.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.87	22.91	22.91	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.83	22.91	22.86	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.83	22.89	22.91	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.85	22.90	22.88	24.0	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	349000	350000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	22.88	23.00	22.87			
40	PI2 BPSK	1	108	22.90	23.04	23.03	24.0	0.0	
40	PI2 BPSK	1	214	22.82	22.95	22.92			
40	PI2 BPSK	108	0	22.80	22.94	22.85	24.0	0.0	
40	PI2 BPSK	108	54	22.91	22.96	22.91			
40	PI2 BPSK	108	108	22.86	22.95	22.88			
40	PI2 BPSK	216	0	22.84	22.92	22.77	24.0	0.0	
40	QPSK	1	1	22.85	23.06	22.96			
40	QPSK	1	108	22.85	22.96	22.84	24.0	0.0	
40	QPSK	1	214	22.83	22.91	22.85			
40	QPSK	108	0	22.83	22.95	22.87	24.0	0.0	
40	QPSK	108	54	22.97	23.05	23.02			
40	QPSK	108	108	22.93	22.94	22.87			
40	QPSK	216	0	22.90	22.97	22.87	24.0	0.0	
40	16QAM	1	1	22.80	22.90	22.85	24.0	0.0	
40	16QAM	1	1	21.36	21.48	21.35	22.5	1.5	
40	256QAM	1	1	19.37	19.45	19.31	20.5	3.5	
Channel				345000	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1762.5			
35	QPSK	1	1	22.91	22.91	22.84	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.81	22.98	22.94	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.82	22.93	22.83	24.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.83	22.99	22.84	24.0	0.0	
Channel				343000	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	22.88	22.97	22.92	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.83	22.91	22.92	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	22.88	22.94	22.93	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					
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1						
15	PI2 BPSK	1	40				24.0	0.0	
15	PI2 BPSK	1	77						
15	PI2 BPSK	36	0				23.5	0.5	
15	PI2 BPSK	36	22				24.0	0.0	
15	PI2 BPSK	36	43				23.5	0.5	
15	PI2 BPSK	75	0						
15	QPSK	1	1				24.0	0.0	
15	QPSK	1	40						
15	QPSK	1	77						
15	QPSK	36	0				23.0	1.0	
15	QPSK	36	22				24.0	0.0	
15	QPSK	36	43				23.0	1.0	
15	QPSK	75	0						
15	16QAM	1	1				23.0	1.0	
15	16QAM	1	1				21.5	2.5	
15	256QAM	1	1				19.5	4.5	
Channel				345000	345000	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	23.07	23.03	23.04	24.0	0.0	
Channel				339000	345000	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	23.52	23.52	23.58	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					
Frequency (MHz)				1702.5					
15	PlZ BPSK	1	1	22.95					
15	PlZ BPSK	1	40	22.88			24.0	0.0	
15	PlZ BPSK	1	77	22.90			23.5	0.5	
15	PlZ BPSK	38	0	22.45			24.0	0.0	
15	PlZ BPSK	38	22	22.96			24.0	0.0	
15	PlZ BPSK	38	43	22.42			23.5	0.5	
15	PlZ BPSK	75	0	22.90			24.0	0.0	
15	QPSK	1	1	23.00					
15	QPSK	1	40	22.90			24.0	0.0	
15	QPSK	1	77	22.94					
15	QPSK	38	0	22.06			23.0	1.0	
15	QPSK	38	22	22.92			24.0	0.0	
15	QPSK	38	43	22.02			23.0	1.0	
15	QPSK	75	0	22.00			23.0	1.0	
15	16QAM	1	1	22.08			23.0	1.0	
15	16QAM	1	1	20.55			21.5	2.5	
15	256QAM	1	1	18.60			19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	22.91	22.95	22.98	24.0	0.0	
Channel				339000	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	
5	QPSK	1	1	22.87	22.91	22.77	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				138000					
Frequency (MHz)				673					
20	PlZ BPSK	1	1	23.03	23.03	23.07			
20	PlZ BPSK	1	53	22.91	23.04	23.01	24.0	0.0	
20	PlZ BPSK	1	104	23.06	23.02	23.02	23.5	0.5	
20	PlZ BPSK	50	0	22.72	22.80	22.89	24.0	0.0	
20	PlZ BPSK	50	28	23.06	23.03	23.04	24.0	0.0	
20	PlZ BPSK	50	56	22.88	22.81	22.83	23.5	0.5	
20	PlZ BPSK	100	0	22.82	22.85	22.85	24.0	0.0	
20	QPSK	1	1	23.07	23.14	23.10			
20	QPSK	1	53	23.05	23.04	22.96	24.0	0.0	
20	QPSK	1	104	23.03	23.12	22.88			
20	QPSK	50	0	22.08	22.15	22.09	23.0	1.0	
20	QPSK	50	28	22.97	23.10	23.07	24.0	0.0	
20	QPSK	50	56	22.14	22.11	22.13	23.0	1.0	
20	QPSK	100	0	22.03	22.05	22.03	23.0	1.0	
20	16QAM	1	1	22.03	22.15	22.02	23.0	1.0	
20	16QAM	1	1	20.57	20.88	20.81	21.5	2.5	
20	256QAM	1	1	18.83	18.88	18.55	19.5	4.5	
Channel				138100	138100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	680.5	683.5	24.0	0.0	
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				138600	138100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	QPSK	1	1	22.08	23.06	22.96	24.0	0.0	
Channel				133100	138100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	696.5	24.0	0.0	
5	QPSK	1	1	22.96	23.03	22.99	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				138600					
Frequency (MHz)				673					
20	PlZ BPSK	1	1	22.72	22.82	22.79			
20	PlZ BPSK	1	53	22.69	22.75	22.74	24.0	0.0	
20	PlZ BPSK	1	104	22.69	22.80	22.65	23.5	0.5	
20	PlZ BPSK	50	0	22.34	22.44	22.36	24.0	0.0	
20	PlZ BPSK	50	28	22.79	22.80	22.78	24.0	0.0	
20	PlZ BPSK	50	56	22.38	22.39	22.36	23.5	0.5	
20	PlZ BPSK	100	0	22.32	22.33	22.34	24.0	0.0	
20	QPSK	1	1	22.77	22.85	22.75			
20	QPSK	1	53	22.68	22.77	22.69	24.0	0.0	
20	QPSK	1	104	22.69	22.83	22.69			
20	QPSK	50	0	21.79	21.89	21.84	23.0	1.0	
20	QPSK	50	28	22.12	22.80	22.71	24.0	0.0	
20	QPSK	50	56	21.87	21.90	21.83	23.0	1.0	
20	QPSK	100	0	21.73	21.82	21.67	23.0	1.0	
20	16QAM	1	1	21.83	21.86	21.76	23.0	1.0	
20	16QAM	1	1	20.37	20.39	20.33	21.5	2.5	
20	256QAM	1	1	18.30	18.40	18.32	19.5	4.5	
Channel				138100	138100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	683.5	693.5	24.0	0.0	
15	QPSK	1	1	22.87	22.75	22.88	24.0	0.0	
Channel				138600	138100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693	24.0	0.0	
10	QPSK	1	1	22.08	22.74	22.83	24.0	0.0	
Channel				133100	138100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				666.5	680.5	696.5	24.0	0.0	
5	QPSK	1	1	22.66	22.78	22.83	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										
Frequency (MHz)										
40	Pi2 BPSK	1	1	22.94	23.05	22.99				
40	Pi2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0		
40	Pi2 BPSK	1	104	22.80	22.82	22.79				
40	Pi2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0		
40	Pi2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0		
40	Pi2 BPSK	50	56	22.68	22.75	22.80				
40	Pi2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0		
40	QPSK	1	1	23.04	23.10	23.08				
40	QPSK	1	53	22.92	23.02	22.95	24.0	0.0		
40	QPSK	1	104	22.88	22.97	22.93				
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5		
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0		
40	QPSK	50	56	22.15	22.30	22.24				
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5		
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5		
40	64QAM	1	1	20.95	20.96	20.81	22.0	2.0		
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.03	22.03	22.07	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.83	23.02	22.96	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.99	23.01	22.94	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										
Frequency (MHz)										
40	Pi2 BPSK	1	1	22.92	23.00	22.86				
40	Pi2 BPSK	1	53	22.91	22.92	22.78	24.0	0.0		
40	Pi2 BPSK	1	104	22.84	22.75	22.84				
40	Pi2 BPSK	50	0	22.86	22.96	22.92	24.0	0.0		
40	Pi2 BPSK	50	28	22.87	22.92	22.82	24.0	0.0		
40	Pi2 BPSK	50	56	22.72	22.80	22.74				
40	Pi2 BPSK	100	0	22.87	22.88	22.80	24.0	0.0		
40	QPSK	1	1	23.00	23.05	23.05				
40	QPSK	1	53	22.80	22.90	22.83	24.0	0.0		
40	QPSK	1	104	22.82	22.77	22.75				
40	QPSK	50	0	22.43	22.45	22.38	23.5	0.5		
40	QPSK	50	28	22.76	22.92	22.71	24.0	0.0		
40	QPSK	50	56	22.36	22.40	22.38				
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.5		
40	16QAM	1	1	22.36	22.38	22.29	23.5	0.5		
40	64QAM	1	1	20.76	20.90	20.75	22.0	2.0		
40	256QAM	1	1	18.84	18.85	18.83	20.0	4.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.84	22.90	22.83	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.75	23.00	22.85	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.84	22.90	22.80	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.77	23.00	22.88	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.83	22.90	22.89	24.0	0.0		

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	Pi2 BPSK	1	1	23.26	23.41	23.30				
100	Pi2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0		
100	Pi2 BPSK	1	271	23.32	23.34	23.25				
100	Pi2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0		
100	Pi2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0		
100	Pi2 BPSK	135	138	23.27	23.42	23.33				
100	Pi2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0		
100	QPSK	1	1	23.38	23.45	23.31				
100	QPSK	1	137	23.29	23.38	23.30	24.0	0.0		
100	QPSK	1	271	23.19	23.34	23.27				
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0		
100	QPSK	135	69	23.38	23.38	23.33	24.0	0.0		
100	QPSK	135	138	23.24	23.36	23.29				
100	QPSK	270	0	23.40	23.42	23.28	24.0	0.0		
100	16QAM	1	1	23.30	23.37	23.31	24.0	0.0		
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0		
100	256QAM	1	1	21.83	21.95	21.87	22.5	1.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1	23.41	23.42	23.43	24.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	23.26	23.38	23.21	24.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	23.19	23.32	23.14	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	23.25	23.36	23.25	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0		



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				505202	518598	528200		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI2 BPSK	1	1	20.17	20.30	20.22		
100	PI2 BPSK	1	137	25.89	20.02	25.95	27.0	0.0
100	PI2 BPSK	1	271	25.79	25.90	25.84		
100	PI2 BPSK	135	0	25.51	25.82	25.55	26.5	0.5
100	PI2 BPSK	135	69	25.88	20.01	25.95	27.0	0.0
100	PI2 BPSK	135	138	25.18	25.33	25.26		
100	PI2 BPSK	270	0	25.37	25.52	25.44	26.5	0.5
100	QPSK	1	1	20.17	20.32	20.22		
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0
100	QPSK	1	271	25.82	25.94	25.86		
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0
100	QPSK	135	69	25.96	25.98	25.92	27.0	0.0
100	QPSK	135	138	25.03	25.05	25.08		
100	QPSK	270	0	24.85	25.08	25.00	26.0	1.0
100	16QAM	1	1	25.14	25.25	25.16	26.0	1.0
100	64QAM	1	1	23.62	23.72	23.62	24.5	2.5
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5
Channel								
Frequency (MHz)				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	20.04	20.18	20.18	27.0	0.0
Channel								
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.98		
80	QPSK	1	1	20.07	20.22	20.18	27.0	0.0
Channel								
Frequency (MHz)				505202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.08	20.17	20.10	27.0	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2489	2582.99	2689.98		
60	QPSK	1	1	20.08	20.20	20.16	27.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.98		
50	QPSK	1	1	20.10	20.20	20.18	27.0	0.0
Channel								
Frequency (MHz)				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.02	20.25	20.09	27.0	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.06	20.27	20.15	27.0	0.0
Channel								
Frequency (MHz)				501702	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.51	2592.99	2677.5		
25	QPSK	1	1	20.05	20.25	20.22	27.0	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.98		
20	QPSK	1	1	20.08	20.17	20.18	27.0	0.0
Channel								
Frequency (MHz)				500700	518598	536000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	20.04	20.24	20.09	27.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.91	2592.99	2685		
10	QPSK	1	1	20.05	20.26	20.12	27.0	0.0



FCC_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									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.31	23.41	23.33			
100	PI2 BPSK	1	137	23.33	23.39	23.29	24.0	0.0	
100	PI2 BPSK	1	271	23.22	23.31	23.25			
100	PI2 BPSK	135	0	23.26	23.30	23.15	24.0	0.0	
100	PI2 BPSK	135	69	23.21	23.33	23.31	24.0	0.0	
100	PI2 BPSK	135	138	23.24	23.35	23.21			
100	PI2 BPSK	270	0	23.32	23.38	23.21	24.0	0.0	
100	QPSK	1	1	23.29	23.30	23.31			
100	QPSK	1	137	23.32	23.33	23.25	24.0	0.0	
100	QPSK	1	271	23.29	23.39	23.30			
100	QPSK	135	0	23.27	23.36	23.21	24.0	0.0	
100	QPSK	135	69	23.33	23.38	23.37	24.0	0.0	
100	QPSK	135	138	23.14	23.27	23.22	24.0	0.0	
100	QPSK	270	0	23.26	23.38	23.24	24.0	0.0	
100	16QAM	1	1	23.23	23.35	23.24	24.0	0.0	
100	64QAM	1	1	23.29	23.34	23.31	24.0	0.0	
100	256QAM	1	1	21.98	22.00	21.90	23.0	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.33	23.41	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.31	23.35	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.33	23.43	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.25	23.44	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.30	23.35	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.24	23.40	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.29	23.42	23.36	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.30	23.40	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.30	23.40	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.24	23.42	23.32	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.32	23.43	23.30	24.0	0.0	

FCC_n41(HPUE)_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	26.12	26.20	26.10			
100	PI2 BPSK	1	137	26.09	26.08	26.09	27.0	0.0	
100	PI2 BPSK	1	271	26.74	26.81	26.72			
100	PI2 BPSK	135	0	26.16	26.06	26.06	27.0	0.0	
100	PI2 BPSK	135	69	26.02	26.09	26.09	27.0	0.0	
100	PI2 BPSK	135	138	26.84	26.90	26.80			
100	PI2 BPSK	270	0	26.05	26.00	26.02	27.0	0.0	
100	QPSK	1	1	26.17	26.23	26.15			
100	QPSK	1	137	26.02	26.01	26.03	27.0	0.0	
100	QPSK	1	271	26.75	26.83	26.76			
100	QPSK	135	0	26.02	26.07	26.06	26.5	0.5	
100	QPSK	135	69	26.01	26.01	26.01	27.0	0.0	
100	QPSK	135	138	26.57	26.43	26.51	26.5	0.5	
100	QPSK	270	0	26.48	26.52	26.43	26.5	0.5	
100	16QAM	1	1	26.03	26.02	26.02	26.5	0.5	
100	64QAM	1	1	24.13	24.21	24.12	25.0	2.0	
100	256QAM	1	1	22.20	22.26	22.16	23.0	4.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	26.05	26.17	26.01	27.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	26.09	26.13	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	26.11	26.08	26.08	27.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	26.11	26.13	26.03	27.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	26.11	26.13	26.08	27.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	26.02	26.14	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	26.09	26.18	26.04	27.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	26.11	26.20	26.11	27.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	26.02	26.15	26.06	27.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	26.10	26.10	26.02	27.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	26.07	26.14	26.07	27.0	0.0	



Reduced Power Mode for DSI10

n2_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1870	1880	1890			
40	PI2 BPSK	1	1	23.31	23.40	23.27			
40	PI2 BPSK	1	108	23.28	23.33	23.21	24.0	0.0	
40	PI2 BPSK	1	214	23.27	23.37	23.27			
40	PI2 BPSK	108	0	22.77	22.92	22.83	23.5	0.5	
40	PI2 BPSK	108	54	23.25	23.37	23.24	24.0	0.0	
40	PI2 BPSK	108	108	22.92	23.00	22.93	23.5	0.5	
40	PI2 BPSK	216	0	22.85	22.97	22.86			
40	QPSK	1	1	23.41	23.45	23.38			
40	QPSK	1	108	23.36	23.42	23.33	24.0	0.0	
40	QPSK	1	214	23.29	23.39	23.31			
40	QPSK	108	0	22.28	22.42	22.34	23.0	1.0	
40	QPSK	108	54	23.37	23.40	23.33	24.0	0.0	
40	QPSK	108	108	22.45	22.49	22.43	23.0	1.0	
40	QPSK	216	0	22.11	22.22	22.11			
40	16QAM	1	1	22.08	22.12	22.03	23.0	1.0	
40	16QAM	1	1	20.74	20.77	20.67	21.5	2.5	
40	256QAM	1	1	18.77	18.80	18.65	19.5	4.5	
Channel									
Frequency (MHz)									
				37500	37600	37650	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	23.27	23.33	23.34	24.0	0.0	
Channel									
Frequency (MHz)									
				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.65	18.80	18.95	24.0	0.0	
Channel									
Frequency (MHz)									
				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.62.5	18.80	18.97.5	24.0	0.0	
Channel									
Frequency (MHz)									
				3729	23.32	23.30	24.0	0.0	
20	QPSK	1	1	23.29	23.40	23.33	24.0	0.0	
Channel									
Frequency (MHz)									
				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.7.5	18.80	19.02.5	24.0	0.0	
Channel									
Frequency (MHz)									
				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.65	18.80	19.05	24.0	0.0	
Channel									
Frequency (MHz)									
				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.28	23.40	23.32	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)									
				1870	1880	1890			
40	PI2 BPSK	1	1	23.22	23.30	23.22			
40	PI2 BPSK	1	108	23.14	23.18	23.16	24.0	0.0	
40	PI2 BPSK	1	214	23.20	23.22	23.15			
40	PI2 BPSK	108	0	22.67	22.80	22.75	23.5	0.5	
40	PI2 BPSK	108	54	23.19	23.24	23.09	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.91	22.88	23.5	0.5	
40	PI2 BPSK	216	0	22.85	22.90	22.75			
40	QPSK	1	1	23.28	23.34	23.30			
40	QPSK	1	108	23.20	23.23	23.12	24.0	0.0	
40	QPSK	1	214	23.14	23.27	23.21			
40	QPSK	108	0	22.26	22.31	22.19	23.0	1.0	
40	QPSK	108	54	23.14	23.29	23.15	24.0	0.0	
40	QPSK	108	108	22.23	22.37	22.24	23.0	1.0	
40	QPSK	216	0	22.13	22.16	22.03			
40	16QAM	1	1	21.88	21.97	21.94	23.0	1.0	
40	16QAM	1	1	20.65	20.70	20.66	21.5	2.5	
40	256QAM	1	1	18.73	18.75	18.72	19.5	4.5	
Channel									
Frequency (MHz)									
				373500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	23.20	23.28	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.65	18.80	18.95	24.0	0.0	
Channel									
Frequency (MHz)									
				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.62.5	18.80	18.97.5	24.0	0.0	
Channel									
Frequency (MHz)									
				3729	23.30	23.29	24.0	0.0	
20	QPSK	1	1	23.17	23.30	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
				372000	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	23.25	23.27	23.23	24.0	0.0	
Channel									
Frequency (MHz)									
				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	23.23	23.29	23.21	24.0	0.0	
Channel									
Frequency (MHz)									
				1852.5	1880	1905	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.17	23.26	23.23	24.0	0.0	

n2_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1870	1880	1890			
40	PI2 BPSK	1	1	19.49	19.44	19.47			
40	PI2 BPSK	1	108	19.46	19.47	19.47	20.5	0.0	
40	PI2 BPSK	1	214	19.40	19.41	19.43			
40	PI2 BPSK	108	0	19.47	19.44	19.36	20.5	0.0	
40	PI2 BPSK	108	54	19.49	19.41	19.33	20.5	0.0	
40	PI2 BPSK	108	108	19.47	19.43	19.44	20.5	0.0	
40	PI2 BPSK	216	0	19.36	19.49	19.34			
40	QPSK	1	1	19.50	19.55	19.40			
40	QPSK	1	108	19.41	19.53	19.43	20.5	0.0	
40	QPSK	1	214	19.46	19.50	19.34			
40	QPSK	108	0	19.43	19.41	19.41	20.5	0.0	
40	QPSK	108	54	19.45	19.51	19.43	20.5	0.0	
40	QPSK	108	108	19.38	19.48	19.33	20.5	0.0	
40	QPSK	216	0	19.45	19.48	19.39			
40	16QAM	1	1	19.47	19.44	19.33	20.5	0.0	
40	16QAM	1	1	19.42	19.43	19.45	20.5	0.0	
40	256QAM	1	1	18.48	18.50	18.39	19.5	1.0	
Channel									
Frequency (MHz)									
				373500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	19.38	19.42	19.46	20.5	0.0	
Channel									
Frequency (MHz)									
				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.65	18.80	18.95	24.0	0.0	
Channel									
Frequency (MHz)									
				372500	376000	376500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.62.5	18.80	18.97.5	24.0	0.0	
Channel									
Frequency (MHz)									
				3729	19.50	19.44	20.5	0.0	
20	QPSK	1	1	19.47	19.50	19.41	20.5	0.0	
Channel									
Frequency (MHz)									
				372000	376000	380500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.37	19.43	19.34	20.5	0.0	
Channel									
Frequency (MHz)									
				371500	376000	381000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.65	18.80	19.05	24.0	0.0	
Channel									
Frequency (MHz)									
				1852.5	1880	1907.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.43	19.50	19.39	20.5	0.0	



n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				376900	379300	379300			
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	21.64	21.74	21.81			
40	PI2 BPSK	1	108	21.65	21.73	21.73	23.0	0.0	
40	PI2 BPSK	1	214	21.70	21.75	21.82			
40	PI2 BPSK	108	0	21.69	21.72	21.71	23.0	0.0	
40	PI2 BPSK	108	54	21.64	21.68	21.64			
40	PI2 BPSK	108	108	21.65	21.67	21.71	23.0	0.0	
40	PI2 BPSK	216	0	21.68	21.68	21.70			
40	QPSK	1	1	21.77	21.80	21.75			
40	QPSK	1	108	21.64	21.68	21.63	23.0	0.0	
40	QPSK	1	214	21.71	21.78	21.69			
40	QPSK	108	0	21.70	21.77	21.75	23.0	0.0	
40	QPSK	108	54	21.75	21.78	21.75	23.0	0.0	
40	QPSK	108	108	21.56	21.67	21.56	23.0	0.0	
40	QPSK	216	0	21.56	21.69	21.63			
40	16QAM	1	1	21.71	21.77	21.74	23.0	0.0	
40	64QAM	1	1	20.98	20.92	20.10	21.5	1.5	
40	256QAM	1	1	18.17	18.27	18.24	19.5	3.5	
Channel				373500	376000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1899	1899.5			
35	QPSK	1	1	21.67	21.76	21.71	23.0	0.0	
Channel				373000	376000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1899	1895			
30	QPSK	1	1	21.69	21.68	21.69	23.0	0.0	
Channel				372500	376000	376000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1899	1897.5			
25	QPSK	1	1	21.67	21.73	21.74	23.0	0.0	
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1899	1902.5			
20	QPSK	1	1	21.74	21.79	21.62	23.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1899	1902.5			
15	QPSK	1	1	21.76	21.72	21.73	23.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1899	1905			
10	QPSK	1	1	21.70	21.67	21.71	23.0	0.0	
Channel				370500	372000	375500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1899	1907.5			
5	QPSK	1	1	21.76	21.74	21.64	23.0	0.0	

n5_Ant 0									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				169900	167300	167300			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86			
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0	0.0	
20	PI2 BPSK	1	104	22.76	22.78	22.70			
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5	0.5	
20	PI2 BPSK	50	28	22.78	22.86	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.28			
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5	0.5	
20	QPSK	1	1	22.97	22.90	22.91			
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0	
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0	
20	QPSK	50	28	22.93	22.87	22.90	24.0	0.0	
20	QPSK	50	56	21.99	22.02	22.01	23.0	1.0	
20	QPSK	100	0	21.94	21.96	21.88			
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0	
20	64QAM	1	1	20.46	20.50	20.37	21.5	2.5	
20	256QAM	1	1	18.62	18.59	18.48	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				811.5	836.5	841.5			
15	QPSK	1	1	22.81	22.76	22.70	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	841			
10	QPSK	1	1	22.77	22.75	22.75	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	22.72	22.79	22.73	24.0	0.0	

n5_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				166900	167300	167300			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.77	22.83			
20	PI2 BPSK	1	53	22.60	22.74	22.59	24.0	0.0	
20	PI2 BPSK	1	104	22.62	22.70	22.65			
20	PI2 BPSK	50	0	22.26	22.33	22.32	23.5	0.5	
20	PI2 BPSK	50	28	22.70	22.76	22.61	24.0	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19	23.5	0.5	
20	PI2 BPSK	100	0	22.20	22.25	22.34			
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.60	22.73	22.61	24.0	0.0	
20	QPSK	1	104	22.73	22.75	22.63			
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0	
20	QPSK	50	28	22.62	22.77	22.67	24.0	0.0	
20	QPSK	50	56	21.82	21.86	21.85	23.0	1.0	
20	QPSK	100	0	21.75	21.90	21.78			
20	16QAM	1	1	21.87	21.86	21.86	23.0	1.0	
20	64QAM	1	1	20.35	20.38	20.25	21.5	2.5	
20	256QAM	1	1	18.43	18.45	18.34	19.5	4.5	
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				811.5	836.5	841.5			
15	QPSK	1	1	22.70	22.73	22.61	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	841			
10	QPSK	1	1	22.61	22.73	22.63	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	22.70	22.70	22.57	24.0	0.0	



n7_Ant 0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				50500	50700	51000		
40	PlZ BPSK	1	1	23.32	23.40	23.28		
40	PlZ BPSK	1	108	23.24	23.32	23.20	24.0	0.0
40	PlZ BPSK	1	214	23.36	23.38	23.28		
40	PlZ BPSK	108	0	22.78	22.85	22.75	23.5	0.5
40	PlZ BPSK	108	54	23.30	23.34	23.31	24.0	0.0
40	PlZ BPSK	108	108	22.77	22.88	22.86	23.5	0.5
40	PlZ BPSK	216	0	22.85	22.90	22.86		
40	QPSK	1	1	23.44	23.45	23.42		
40	QPSK	1	108	23.30	23.39	23.24	24.0	0.0
40	QPSK	1	214	23.23	23.33	23.21		
40	QPSK	108	0	22.32	22.39	22.34	23.0	1.0
40	QPSK	108	54	23.28	23.41	23.35	24.0	0.0
40	QPSK	108	108	22.32	22.38	22.36	23.0	1.0
40	QPSK	216	0	22.28	22.35	22.28		
40	16QAM	1	1	22.26	22.40	22.37	23.0	1.0
40	16QAM	1	1	20.88	20.93	20.84	21.5	2.5
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5
Channel								
Frequency (MHz)				50500	50700	51000	Tune-up limit (dBm)	MPR
35	QPSK	1	1	23.32	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR
30	QPSK	1	1	2515	2535	2555	24.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	2512.5	2535	2567.5	24.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	23.39	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR
15	QPSK	1	1	2507.5	2535	2562.5	24.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	23.37	23.39	23.32	24.0	0.0
Channel								
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	23.38	23.31	23.31	24.0	0.0

n7_Ant 1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				50500	50700	51000		
40	PlZ BPSK	1	1	21.80	21.60	21.59		
40	PlZ BPSK	1	108	21.53	21.64	21.57	22.5	0.0
40	PlZ BPSK	1	214	21.82	21.88	21.81		
40	PlZ BPSK	108	0	21.61	21.65	21.58	22.5	0.0
40	PlZ BPSK	108	54	21.61	21.71	21.56	22.5	0.0
40	PlZ BPSK	108	108	21.65	21.65	21.80	22.5	0.0
40	PlZ BPSK	216	0	21.58	21.58	21.83		
40	QPSK	1	1	21.67	21.72	21.70		
40	QPSK	1	108	21.65	21.66	21.69	22.5	0.0
40	QPSK	1	214	21.64	21.69	21.66		
40	QPSK	108	0	21.56	21.58	21.57	22.5	0.0
40	QPSK	108	54	21.65	21.69	21.65	22.5	0.0
40	QPSK	108	108	21.57	21.59	21.62	22.5	0.0
40	QPSK	216	0	21.62	21.63	21.85		
40	16QAM	1	1	21.53	21.57	21.84	23.5	0.0
40	16QAM	1	1	20.54	20.65	20.61	21.5	1.0
40	256QAM	1	1	18.59	18.66	18.57	19.5	3.0
Channel								
Frequency (MHz)				503000	507000	510000	Tune-up limit (dBm)	MPR
35	QPSK	1	1	21.61	21.70	21.62	22.5	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR
30	QPSK	1	1	21.62	21.64	21.69	22.5	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	21.62	21.65	21.65	22.5	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	21.66	21.70	21.62	22.5	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR
15	QPSK	1	1	21.60	21.60	21.63	22.5	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	21.68	21.62	21.66	22.5	0.0
Channel								
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	21.61	21.58	21.62	22.5	0.0

n7_Ant 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				50500	50700	51000		
40	PlZ BPSK	1	1	19.81	19.80	19.75		
40	PlZ BPSK	1	108	19.77	19.80	19.73	20.5	0.0
40	PlZ BPSK	1	214	19.77	19.80	19.78		
40	PlZ BPSK	108	0	19.75	19.88	19.75	20.5	0.0
40	PlZ BPSK	108	54	19.77	19.86	19.78	20.5	0.0
40	PlZ BPSK	108	108	19.69	19.83	19.73	20.5	0.0
40	PlZ BPSK	216	0	19.76	19.85	19.72		
40	QPSK	1	1	19.83	19.92	19.85		
40	QPSK	1	108	19.76	19.86	19.71	20.5	0.0
40	QPSK	1	214	19.68	19.81	19.71		
40	QPSK	108	0	19.76	19.86	19.70	20.5	0.0
40	QPSK	108	54	19.80	19.91	19.77	20.5	0.0
40	QPSK	108	108	19.72	19.80	19.74	20.5	0.0
40	QPSK	216	0	19.79	19.87	19.84		
40	16QAM	1	1	19.72	19.84	19.75	20.5	0.0
40	16QAM	1	1	19.73	19.81	19.77	20.5	0.0
40	256QAM	1	1	18.81	18.88	18.78	19.5	1.0
Channel								
Frequency (MHz)				503000	507000	510000	Tune-up limit (dBm)	MPR
35	QPSK	1	1	19.80	19.88	19.82	20.5	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR
30	QPSK	1	1	19.74	19.78	19.70	20.5	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR
25	QPSK	1	1	19.80	19.87	19.84	20.5	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR
20	QPSK	1	1	19.81	19.88	19.83	20.5	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR
15	QPSK	1	1	19.76	19.83	19.72	20.5	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR
10	QPSK	1	1	19.71	19.91	19.79	20.5	0.0
Channel								
Frequency (MHz)				2502.5	2535	2567.5	Tune-up limit (dBm)	MPR
5	QPSK	1	1	19.76	19.79	19.74	20.5	0.0



n7_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				50000	50000	51000			
Frequency (MHz)				2500	2535	2560			
40	PI2 BPSK	1	1	19.99	19.99	19.92			
40	PI2 BPSK	1	108	19.88	19.93	19.96	21.0	0.0	
40	PI2 BPSK	1	244	19.83	19.87	19.84			
40	PI2 BPSK	108	0	19.89	19.89	19.88	21.0	0.0	
40	PI2 BPSK	108	54	19.91	19.91	19.90			
40	PI2 BPSK	108	108	19.80	19.87	19.85	21.0	0.0	
40	PI2 BPSK	216	0	19.83	19.89	19.92			
40	QPSK	1	1	19.95	20.00	19.97			
40	QPSK	1	108	19.94	19.90	19.83	21.0	0.0	
40	QPSK	1	214	19.94	19.93	19.84			
40	QPSK	108	0	19.84	19.84	19.84	21.0	0.0	
40	QPSK	108	54	19.92	19.97	19.95			
40	QPSK	108	108	19.90	19.87	19.84	21.0	0.0	
40	QPSK	216	0	19.84	19.93	19.83			
40	8QAM	1	1	19.88	19.86	19.82	21.0	0.0	
40	8QAM	1	1	19.81	19.97	19.92	21.0	0.0	
40	256QAM	1	1	19.29	19.34	19.20	19.5	1.5	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	19.90	19.86	19.86	21.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	19.86	19.80	19.84	21.0	0.0	
Channel				505000	507000	511500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2557.5			
25	QPSK	1	1	19.88	19.97	19.90	21.0	0.0	
Channel				505000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2557.5			
20	QPSK	1	1	19.88	19.96	19.96	21.0	0.0	
Channel				501000	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	19.84	19.88	19.93	21.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	19.89	19.90	19.95	21.0	0.0	
Channel				502000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	19.87	19.85	19.87	21.0	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	22.82	23.05	22.91			
15	PI2 BPSK	1	40	23.01	23.08	22.99	24.0	0.0	
15	PI2 BPSK	1	77	22.90	23.01	22.97			
15	PI2 BPSK	36	0	22.49	22.59	22.56	23.5	0.5	
15	PI2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	PI2 BPSK	36	43	22.49	22.80	22.45			
15	PI2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.00	22.02	22.00	23.0	1.0	
15	QPSK	36	22	22.99	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91	23.0	1.0	
15	QPSK	75	0	21.91	21.86	21.83			
15	8QAM	1	1	21.84	22.06	21.99	23.0	1.0	
15	8QAM	1	1	20.60	20.72	20.64	21.5	2.5	
15	256QAM	1	1	19.84	19.85	19.84	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.99	22.96	22.92	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.95	23.02	22.89	24.0	0.0	

n12_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				141300	141500	141700			
Frequency (MHz)				706.5	707.5	708.5			
15	PI2 BPSK	1	1	22.72	22.85	22.79			
15	PI2 BPSK	1	40	22.68	22.80	22.74	24.0	0.0	
15	PI2 BPSK	1	77	22.73	22.78	22.69			
15	PI2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	PI2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	PI2 BPSK	36	43	22.33	22.48	22.36			
15	PI2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.68	22.81	22.75			
15	QPSK	36	0	21.85	21.88	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.86	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76	23.0	1.0	
15	QPSK	75	0	21.80	21.81	21.76			
15	8QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	8QAM	1	1	20.28	20.39	20.31	21.5	2.5	
15	256QAM	1	1	19.35	19.40	19.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	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									
Frequency (MHz)									
				156000					
10	PlZ BPSK	1	1	23.30					
10	PlZ BPSK	1	26	23.22			24.0	0.0	
10	PlZ BPSK	1	50	23.26			23.5	0.5	
10	PlZ BPSK	25	0	22.75			24.0	0.0	
10	PlZ BPSK	25	14	23.25			24.0	0.0	
10	PlZ BPSK	25	27	22.77			23.5	0.5	
10	PlZ BPSK	50	0	22.72					
10	QPSK	1	1	23.37					
10	QPSK	1	26	23.30			24.0	0.0	
10	QPSK	1	50	23.33			23.0	1.0	
10	QPSK	25	0	22.05			24.0	0.0	
10	QPSK	25	14	23.28			24.0	0.0	
10	QPSK	25	27	22.10			23.0	1.0	
10	QPSK	50	0	22.02			23.0	1.0	
10	8QAM	1	1	22.36			21.5	2.5	
10	8QAM	1	1	20.88			19.5	4.5	
10	25QAM	1	1	18.90					
Channel									
				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1581.5	1587.5	1593.5	24.0	0.0	
5	QPSK	1	1	23.32	23.29	23.26	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									
Frequency (MHz)									
				156000					
10	PlZ BPSK	1	1	23.00					
10	PlZ BPSK	1	26	23.02			24.0	0.0	
10	PlZ BPSK	1	50	22.96			23.5	0.5	
10	PlZ BPSK	25	0	22.58			24.0	0.0	
10	PlZ BPSK	25	14	22.99			23.5	0.5	
10	PlZ BPSK	25	27	22.50			23.0	1.0	
10	PlZ BPSK	50	0	22.54			24.0	0.0	
10	QPSK	1	1	23.07					
10	QPSK	1	26	23.03			24.0	0.0	
10	QPSK	1	50	23.00			23.0	1.0	
10	QPSK	25	0	22.10			24.0	0.0	
10	QPSK	25	14	22.96			24.0	0.0	
10	QPSK	25	27	22.02			23.0	1.0	
10	QPSK	50	0	22.07			23.0	1.0	
10	8QAM	1	1	22.00			21.5	2.5	
10	8QAM	1	1	20.44			19.5	4.5	
10	25QAM	1	1	18.50					
Channel									
				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1581.5	1587.5	1593.5	24.0	0.0	
5	QPSK	1	1	22.90	22.95	22.95	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									
Frequency (MHz)									
				1870	1882.5	1895			
40	PlZ BPSK	1	1	23.29	23.44	23.43			
40	PlZ BPSK	1	108	23.34	23.40	23.27	24.0	0.0	
40	PlZ BPSK	1	214	23.34	23.37	23.34			
40	PlZ BPSK	108	0	22.83	22.98	22.95	24.0	0.0	
40	PlZ BPSK	108	54	23.33	23.48	23.34	24.0	0.0	
40	PlZ BPSK	108	108	22.75	22.90	22.87	23.5	0.5	
40	PlZ BPSK	216	0	22.94	22.95	22.91			
40	QPSK	1	1	23.45	23.50	23.37			
40	QPSK	1	108	23.32	23.41	23.34	24.0	0.0	
40	QPSK	1	214	23.31	23.45	23.33			
40	QPSK	108	0	22.47	22.50	22.38	23.0	1.0	
40	QPSK	108	54	23.25	23.44	23.35	24.0	0.0	
40	QPSK	108	108	22.34	22.42	22.37	23.0	1.0	
40	QPSK	216	0	22.40	22.45	22.43			
40	8QAM	1	1	22.32	22.47	22.41	23.0	1.0	
40	8QAM	1	1	20.88	21.00	20.88	21.5	2.5	
40	25QAM	1	1	18.88	18.92	18.79	19.5	4.5	
Channel									
				375000	376500	378000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				375000	376500	378000	24.0	0.0	
35	QPSK	1	1	23.34	23.44	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
				1895	1892.5	1900			
30	QPSK	1	1	23.38	23.39	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
				375000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1892.5	1902.5	24.0	0.0	
25	QPSK	1	1	23.31	23.38	23.25	24.0	0.0	
Channel									
Frequency (MHz)									
				372000	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1900	1892.5	1905	24.0	0.0	
20	QPSK	1	1	23.33	23.43	23.30	24.0	0.0	
Channel									
Frequency (MHz)									
				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1912.5	1922.5	1927.5	24.0	0.0	
15	QPSK	1	1	23.37	23.39	23.29	24.0	0.0	
Channel									
Frequency (MHz)									
				371000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1892.5	1910	24.0	0.0	
10	QPSK	1	1	23.39	23.44	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
				1892.5	1892.5	1912.5	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1892.5	1912.5	24.0	0.0	
5	QPSK	1	1	23.31	23.35	23.30	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									
Frequency (MHz)									
				1870	1882.5	1895			
40	P12 BPSK	1	1	23.12	23.25	23.23			
40	P12 BPSK	1	108	23.18	23.23	23.12	24.0	0.0	
40	P12 BPSK	1	244	23.15	23.24	23.23			
40	P12 BPSK	108	0	23.00	23.04	22.91	23.5	0.5	
40	P12 BPSK	108	54	23.32	23.35	23.33	24.0	0.0	
40	P12 BPSK	108	108	22.84	23.05	22.83	23.5	0.5	
40	P12 BPSK	216	0	22.83	22.97	22.82			
40	QPSK	1	1	23.37	23.40	23.34			
40	QPSK	1	108	23.28	23.38	23.31	24.0	0.0	
40	QPSK	1	214	23.28	23.38	23.27			
40	QPSK	108	0	22.38	22.47	22.43	23.0	1.0	
40	QPSK	108	54	23.28	23.33	23.30	24.0	0.0	
40	QPSK	108	108	22.32	22.45	22.32	23.0	1.0	
40	QPSK	216	0	22.38	22.42	22.29			
40	8QAM	1	1	22.34	22.40	22.30	23.0	1.0	
40	8QAM	1	1	20.88	20.90	20.77	21.5	2.5	
40	256QAM	1	1	18.82	18.88	18.74	19.5	4.5	
Channel									
Frequency (MHz)									
				37500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	23.18	23.23	23.15	24.0	0.0	
Channel									
Frequency (MHz)									
				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	18.65	18.82.5	19.00	24.0	0.0	
Channel									
Frequency (MHz)									
				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	18.62.5	18.82.5	19.02.5	24.0	0.0	
Channel									
Frequency (MHz)									
				23.22	23.22	23.18	24.0	0.0	
20	QPSK	1	1	23.25	23.24	23.22	24.0	0.0	
Channel									
Frequency (MHz)									
				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	18.73	18.73	18.73	24.0	0.0	
Channel									
Frequency (MHz)									
				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	18.65	18.82.5	19.10	24.0	0.0	
Channel									
Frequency (MHz)									
				18.62.5	18.82.5	19.12.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	23.28	23.27	23.15	24.0	0.0	

n25_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1870	1882.5	1895			
40	P12 BPSK	1	1	19.64	19.58	19.80			
40	P12 BPSK	1	108	19.61	19.65	19.67	20.5	0.0	
40	P12 BPSK	1	244	19.58	19.61	19.60			
40	P12 BPSK	108	0	19.52	19.57	19.69	20.5	0.0	
40	P12 BPSK	108	54	19.65	19.68	19.67	20.5	0.0	
40	P12 BPSK	108	108	19.64	19.68	19.84	20.5	0.0	
40	P12 BPSK	216	0	19.56	19.65	19.66			
40	QPSK	1	1	19.67	19.72	19.70			
40	QPSK	1	108	19.65	19.69	19.59	20.5	0.0	
40	QPSK	1	214	19.57	19.71	19.57			
40	QPSK	108	0	19.60	19.62	19.61	20.5	0.0	
40	QPSK	108	54	19.62	19.70	19.64	20.5	0.0	
40	QPSK	108	108	19.58	19.66	19.60	20.5	0.0	
40	QPSK	216	0	19.63	19.63	19.60	20.5	0.0	
40	8QAM	1	1	19.58	19.57	19.59	20.5	0.0	
40	256QAM	1	1	18.88	18.70	18.59	19.5	1.0	
Channel									
Frequency (MHz)									
				37500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	19.66	19.66	19.69	20.5	0.0	
Channel									
Frequency (MHz)									
				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	19.55	19.66	19.59	20.5	0.0	
Channel									
Frequency (MHz)									
				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	19.53	19.67	19.67	20.5	0.0	
Channel									
Frequency (MHz)									
				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	19.64	19.65	19.65	20.5	0.0	
Channel									
Frequency (MHz)									
				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	19.65	19.69	19.60	20.5	0.0	
Channel									
Frequency (MHz)									
				370000	376500	383000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	19.55	19.70	19.66	20.5	0.0	
Channel									
Frequency (MHz)									
				18.62.5	18.82.5	19.12.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	19.62	19.69	19.64	20.5	0.0	

n25_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
				1870	1882.5	1895			
40	P12 BPSK	1	1	21.79	21.90	21.85			
40	P12 BPSK	1	108	21.81	21.90	21.83	23.0	0.0	
40	P12 BPSK	1	244	21.76	21.87	21.75			
40	P12 BPSK	108	0	21.77	21.91	21.79	23.0	0.0	
40	P12 BPSK	108	54	21.73	21.95	21.79	23.0	0.0	
40	P12 BPSK	108	108	21.81	21.81	21.88	23.0	0.0	
40	P12 BPSK	216	0	21.83	21.84	21.78			
40	QPSK	1	1	21.88	21.96	21.90			
40	QPSK	1	108	21.76	21.83	21.86	23.0	0.0	
40	QPSK	1	214	21.80	21.84	21.86			
40	QPSK	108	0	21.77	21.87	21.80	23.0	0.0	
40	QPSK	108	54	21.80	21.90	21.85	23.0	0.0	
40	QPSK	108	108	21.78	21.90	21.75	23.0	0.0	
40	QPSK	216	0	21.82	21.83	21.81			
40	8QAM	1	1	21.84	21.92	21.84	23.0	0.0	
40	8QAM	1	1	20.44	20.45	20.43	21.5	1.5	
40	256QAM	1	1	18.50	18.56	18.45	19.5	3.5	
Channel									
Frequency (MHz)									
				37500	376500	379500	Tune-up limit (dBm)	MPR (dB)	
35	QPSK	1	1	21.76	21.95	21.77	23.0	0.0	
Channel									
Frequency (MHz)									
				373000	376500	380000	Tune-up limit (dBm)	MPR (dB)	
30	QPSK	1	1	21.80	21.87	21.85	23.0	0.0	
Channel									
Frequency (MHz)									
				372500	376500	380500	Tune-up limit (dBm)	MPR (dB)	
25	QPSK	1	1	21.82	21.83	21.81	23.0	0.0	
Channel									
Frequency (MHz)									
				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)	
20	QPSK	1	1	21.77	21.82	21.84	23.0	0.0	
Channel									
Frequency (MHz)									
				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	1	21.75	21.81	21.77	23.0	0.0	
Channel									
Frequency (MHz)									
				370000	376500	383000	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	1	21.84	21.86	21.81	23.0	0.0	
Channel									
Frequency (MHz)									
				18.62.5	18.82.5	19.12.5	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	1	21.82	21.91	21.79	23.0	0.0	



n26(FCC)_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				166900	166300	167900			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.88	22.93	23.02			
20	PI2 BPSK	1	53	22.84	22.76	22.90	24.0	0.0	
20	PI2 BPSK	1	104	22.83	22.93	22.96			
20	PI2 BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	PI2 BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.45	22.52			
20	PI2 BPSK	100	0	22.40	22.47	22.50	23.5	0.5	
20	QPSK	1	1	23.03	23.01	23.05			
20	QPSK	1	53	23.01	22.95	23.04	24.0	0.0	
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0	
20	QPSK	50	28	22.91	22.88	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10			
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0	
20	16QAM	1	1	21.89	21.95	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				168300	168300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				168800	168300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.94	22.95	22.98	24.0	0.0	
Channel				169300	168300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_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				166900	167900	167900			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.96	22.89	23.02			
20	PI2 BPSK	1	53	22.78	22.75	22.90	24.0	0.0	
20	PI2 BPSK	1	104	22.91	22.95	22.96			
20	PI2 BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	PI2 BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	PI2 BPSK	50	56	22.39	22.50	22.52			
20	PI2 BPSK	100	0	22.40	22.35	22.50	23.5	0.5	
20	QPSK	1	1	22.97	23.01	23.05			
20	QPSK	1	53	22.93	22.94	23.04	24.0	0.0	
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.90	22.07	23.0	1.0	
20	QPSK	50	28	22.95	22.91	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10			
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0	
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	836.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				820	836.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.97	22.96	22.98	24.0	0.0	
Channel				169300	168300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				826.5	836.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_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				166900	166300	167900			
Frequency (MHz)				824	831.5	839			
20	PI2 BPSK	1	1	22.76	22.79	22.87			
20	PI2 BPSK	1	53	22.81	22.80	22.86	24.0	0.0	
20	PI2 BPSK	1	104	22.74	22.77	22.78			
20	PI2 BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	PI2 BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	PI2 BPSK	50	56	22.38	22.32	22.42			
20	PI2 BPSK	100	0	22.33	22.37	22.44	23.5	0.5	
20	QPSK	1	1	22.97	22.97	22.85			
20	QPSK	1	53	22.75	22.70	22.80	24.0	0.0	
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95			
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0	
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	16QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				168300	168300	168300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	841.5	(dBm)	(dB)	
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				168800	168300	168800	Tune-up limit (dBm)	MPR	
Frequency (MHz)				819	831.5	844	(dBm)	(dB)	
10	QPSK	1	1	22.80	22.74	22.78	24.0	0.0	
Channel				169300	168300	169300	Tune-up limit (dBm)	MPR	
Frequency (MHz)				816.5	831.5	846.5	(dBm)	(dB)	
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_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				166900	167900	167900			
Frequency (MHz)				834	836.5	836			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.86	24.0	0.0	
20	Pl2 BPSK	1	104	22.76	22.74	22.76	23.5	0.5	
20	Pl2 BPSK	50	0	22.49	22.40	22.52	24.0	0.0	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42	23.5	0.5	
20	Pl2 BPSK	100	0	22.33	22.32	22.44			
20	QPSK	1	1	22.80	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.68	22.62	22.77			
20	QPSK	50	0	21.81	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.78	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95	23.0	1.0	
20	QPSK	100	0	21.86	21.86	21.90			
20	8QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	8QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	25QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5	24.0	0.0	
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				168800	167900	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				830	836.5	834	24.0	0.0	
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				169300	167900	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	836.5	24.0	0.0	
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_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				460500	460500	460500			
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.42					
10	Pl2 BPSK	1	26	23.38			24.0	0.0	
10	Pl2 BPSK	1	50	23.47			23.5	0.5	
10	Pl2 BPSK	25	0	23.01			24.0	0.0	
10	Pl2 BPSK	25	14	23.48			24.0	0.0	
10	Pl2 BPSK	25	27	23.05			23.5	0.5	
10	Pl2 BPSK	50	0	23.03					
10	QPSK	1	1	23.50					
10	QPSK	1	26	23.45			24.0	0.0	
10	QPSK	1	50	23.47			23.0	1.0	
10	QPSK	25	0	22.46			23.0	1.0	
10	QPSK	25	14	23.43			24.0	0.0	
10	QPSK	25	27	22.49			23.0	1.0	
10	QPSK	50	0	22.45					
10	8QAM	1	1	22.48			23.0	1.0	
10	8QAM	1	1	20.96			21.5	2.5	
10	25QAM	1	1	19.00			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	23.45	23.49	23.41	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				460500	460500	460500			
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	21.95					
10	Pl2 BPSK	1	26	21.81			22.5	0.0	
10	Pl2 BPSK	1	50	21.90			22.5	0.0	
10	Pl2 BPSK	25	0	21.95			22.5	0.0	
10	Pl2 BPSK	25	14	21.89			22.5	0.0	
10	Pl2 BPSK	25	27	21.81			22.5	0.0	
10	Pl2 BPSK	50	0	21.82					
10	QPSK	1	1	21.96					
10	QPSK	1	26	21.84			22.5	0.0	
10	QPSK	1	50	21.81			22.5	0.0	
10	QPSK	25	0	21.90			22.5	0.0	
10	QPSK	25	14	21.92			22.5	0.0	
10	QPSK	25	27	21.90			22.5	0.0	
10	QPSK	50	0	21.87					
10	8QAM	1	1	21.91			22.5	0.0	
10	8QAM	1	1	20.88			21.5	1.0	
10	25QAM	1	1	18.97			19.5	3.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5	22.5	0.0	
5	QPSK	1	1	21.84	21.88	21.81	22.5	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					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	22.07			23.0	0.0	
10	Pl2 BPSK	1	26	22.10					
10	Pl2 BPSK	1	50	22.02			23.0	0.0	
10	Pl2 BPSK	25	0	22.02					
10	Pl2 BPSK	25	14	22.04			23.0	0.0	
10	Pl2 BPSK	25	27	22.01					
10	Pl2 BPSK	50	0	22.15			23.0	0.0	
10	QPSK	1	1	22.15					
10	QPSK	1	26	22.07			23.0	0.0	
10	QPSK	1	50	22.02					
10	QPSK	25	0	22.01			23.0	0.0	
10	QPSK	25	14	22.12					
10	QPSK	25	27	22.01			23.0	0.0	
10	QPSK	50	0	22.01					
10	16QAM	1	1	22.00			23.0	0.0	
10	16QAM	1	1	20.55			21.5	1.5	
10	256QAM	1	1	18.53			19.5	3.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	23.0	0.0	
5	QPSK	1	1	22.05	22.03	22.13	23.0	0.0	

n30_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				462000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	20.55			21.5	0.0	
10	Pl2 BPSK	1	26	20.57					
10	Pl2 BPSK	1	50	20.50			21.5	0.0	
10	Pl2 BPSK	25	0	20.49					
10	Pl2 BPSK	25	14	20.53			21.5	0.0	
10	Pl2 BPSK	25	27	20.57					
10	Pl2 BPSK	50	0	20.50			21.5	0.0	
10	QPSK	1	1	20.60					
10	QPSK	1	26	20.46			21.5	0.0	
10	QPSK	1	50	20.48					
10	QPSK	25	0	20.53			21.5	0.0	
10	QPSK	25	14	20.56					
10	QPSK	25	27	20.49			21.5	0.0	
10	QPSK	50	0	20.58					
10	16QAM	1	1	20.45			21.5	0.0	
10	16QAM	1	1	20.22			21.5	0.0	
10	256QAM	1	1	18.20			19.5	2.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	21.5	0.0	
5	QPSK	1	1	20.54	20.46	20.50	21.5	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				345000					
Frequency (MHz)				1730					
40	Pl2 BPSK	1	1	22.79	22.90	22.88			
40	Pl2 BPSK	1	108	22.77	22.85	22.76	24.0	0.0	
40	Pl2 BPSK	1	214	22.77	22.88	22.83			
40	Pl2 BPSK	108	0	22.68	22.79	22.66	24.0	0.0	
40	Pl2 BPSK	108	54	22.62	22.77	22.70	24.0	0.0	
40	Pl2 BPSK	108	108	22.72	22.85	22.83			
40	Pl2 BPSK	216	0	22.74	22.83	22.80	24.0	0.0	
40	QPSK	1	1	22.94	23.00	22.95			
40	QPSK	1	108	22.90	22.97	22.95	24.0	0.0	
40	QPSK	1	214	22.85	22.91	22.76			
40	QPSK	108	0	22.71	22.84	22.82	24.0	0.0	
40	QPSK	108	54	22.81	22.90	22.85	24.0	0.0	
40	QPSK	108	108	22.75	22.88	22.87			
40	QPSK	216	0	22.88	22.92	22.80	24.0	0.0	
40	16QAM	1	1	22.86	22.96	22.95	24.0	0.0	
40	16QAM	1	1	21.43	21.45	21.36	22.5	1.5	
40	256QAM	1	1	19.27	19.42	19.28	20.5	3.5	
Channel				345500	349000	352500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	22.82	22.91	22.88	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	22.79	22.89	22.82	24.0	0.0	
Channel				345500	350000	353500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	22.82	22.91	22.85	24.0	0.0	
Channel				345000	349000	354000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	22.87	22.91	22.91	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	22.53	22.91	22.95	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	22.83	22.89	22.91	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	22.85	22.90	22.88	24.0	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										
Frequency (MHz)										
				1790	1745	1760				
40	PlZ BPSK	1	1	21.39	21.49	21.46				
40	PlZ BPSK	1	108	21.40	21.43	21.36				
40	PlZ BPSK	1	214	21.35	21.56	21.45				
40	PlZ BPSK	108	0	21.35	21.46	21.43	22.5	0.0		
40	PlZ BPSK	108	54	21.34	21.51	21.43	22.5	0.0		
40	PlZ BPSK	108	108	21.40	21.49	21.39	22.5	0.0		
40	PlZ BPSK	216	0	21.43	21.45	21.35				
40	QPSK	1	1	21.49	21.58	21.50				
40	QPSK	1	108	21.36	21.53	21.42	22.5	0.0		
40	QPSK	1	214	21.43	21.49	21.40				
40	QPSK	108	0	21.43	21.48	21.49	22.5	0.0		
40	QPSK	108	54	21.47	21.51	21.50	22.5	0.0		
40	QPSK	108	108	21.37	21.43	21.41	22.5	0.0		
40	QPSK	216	0	21.41	21.54	21.48				
40	16QAM	1	1	21.42	21.48	21.40	22.5	0.0		
40	16QAM	1	1	21.36	21.48	21.35	22.5	0.0		
40	256QAM	1	1	19.97	19.45	19.31	20.5	2.0		
Channel										
Frequency (MHz)										
				34500	34900	35200	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	1722.5	1745	1722.5	24.0	0.0		
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	1725	1745	1765	22.5	0.0		
Channel										
Frequency (MHz)										
				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	1722.5	1745	1767.5	24.0	0.0		
Channel										
Frequency (MHz)										
				2147	2143	2149	22.5	0.0		
20	QPSK	1	1	21.48	21.52	21.41	22.5	0.0		
Channel										
Frequency (MHz)										
				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	1717.5	1745	1722.5	24.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	1715	1745	1775	24.0	0.0		
Channel										
Frequency (MHz)										
				2138	2153	2144	22.5	0.0		
5	QPSK	1	1	21.43	21.54	21.38	22.5	0.0		

n66_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				1790	1745	1760				
40	PlZ BPSK	1	1	23.28	23.40	23.30				
40	PlZ BPSK	1	108	23.31	23.32	23.27	24.0	0.0		
40	PlZ BPSK	1	214	23.27	23.38	23.31				
40	PlZ BPSK	108	0	22.91	22.94	22.87	23.5	0.5		
40	PlZ BPSK	108	54	23.37	23.41	23.34	24.0	0.0		
40	PlZ BPSK	108	108	22.86	22.90	22.88	23.5	0.5		
40	PlZ BPSK	216	0	22.91	22.97	22.92				
40	QPSK	1	1	23.35	23.44	23.30				
40	QPSK	1	108	23.32	23.40	23.27	24.0	0.0		
40	QPSK	1	214	23.29	23.37	23.29				
40	QPSK	108	0	22.24	22.38	22.37	23.0	1.0		
40	QPSK	108	54	23.34	23.40	23.26	24.0	0.0		
40	QPSK	108	108	22.24	22.33	22.18	23.0	1.0		
40	QPSK	216	0	22.30	22.35	22.24				
40	16QAM	1	1	22.34	22.37	22.34	23.0	1.0		
40	16QAM	1	1	20.75	20.85	20.79	21.5	2.5		
40	256QAM	1	1	18.89	18.80	18.69	19.5	4.5		
Channel										
Frequency (MHz)										
				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	1722.5	1745	1722.5	24.0	0.0		
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	1725	1745	1765	24.0	0.0		
Channel										
Frequency (MHz)										
				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	1722.5	1745	1767.5	24.0	0.0		
Channel										
Frequency (MHz)										
				23.31	23.31	23.23	24.0	0.0		
20	QPSK	1	1	23.21	23.34	23.18	24.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	1717.5	1745	1722.5	24.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	1715	1745	1775	24.0	0.0		
Channel										
Frequency (MHz)										
				23.28	23.34	23.24	24.0	0.0		
5	QPSK	1	1	23.21	23.31	23.22	24.0	0.0		

n66_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
				1790	1745	1760				
40	PlZ BPSK	1	1	22.93	22.95	22.92				
40	PlZ BPSK	1	108	22.89	23.00	22.90	24.0	0.0		
40	PlZ BPSK	1	214	22.90	22.91	22.84				
40	PlZ BPSK	108	0	22.51	22.57	22.56	23.5	0.5		
40	PlZ BPSK	108	54	22.90	22.94	22.87	24.0	0.0		
40	PlZ BPSK	108	108	22.86	22.91	22.88	23.5	0.5		
40	PlZ BPSK	216	0	22.93	22.98	22.98				
40	QPSK	1	1	22.97	23.02	23.00				
40	QPSK	1	108	22.87	23.00	22.85	24.0	0.0		
40	QPSK	1	214	22.94	22.97	22.84				
40	QPSK	108	0	22.06	22.09	22.05	23.0	1.0		
40	QPSK	108	54	22.98	22.99	22.97	24.0	0.0		
40	QPSK	108	108	22.09	22.10	21.97	23.0	1.0		
40	QPSK	216	0	22.01	22.05	21.97				
40	16QAM	1	1	21.91	21.96	21.91	23.0	1.0		
40	16QAM	1	1	20.40	20.55	20.42	21.5	2.5		
40	256QAM	1	1	18.44	18.59	18.49	19.5	4.5		
Channel										
Frequency (MHz)										
				345000	349000	352000	Tune-up limit (dBm)	MPR (dB)		
35	QPSK	1	1	1722.5	1745	1722.5	24.0	0.0		
Channel										
Frequency (MHz)										
				345000	349000	353000	Tune-up limit (dBm)	MPR (dB)		
30	QPSK	1	1	1725	1745	1765	24.0	0.0		
Channel										
Frequency (MHz)										
				345500	349000	353500	Tune-up limit (dBm)	MPR (dB)		
25	QPSK	1	1	1722.5	1745	1767.5	24.0	0.0		
Channel										
Frequency (MHz)										
				22.86	22.94	22.78	24.0	0.0		
20	QPSK	1	1	22.80	22.91	22.85	24.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	354000	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	1	1717.5	1745	1722.5	24.0	0.0		
Channel										
Frequency (MHz)										
				343000	349000	350000	Tune-up limit (dBm)	MPR (dB)		
10	QPSK	1	1	1715	1745	1775	24.0	0.0		
Channel										
Frequency (MHz)										
				22.84	22.96	22.76	24.0	0.0		
5	QPSK	1	1	22.83	22.94	22.79	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.	MPR (dB)
Channel				340500			
Frequency (MHz)				1702.5			
15	Pl2 BPSK	1	1	23.68			
15	Pl2 BPSK	1	40	23.63			24.0
15	Pl2 BPSK	1	77	23.60			23.5
15	Pl2 BPSK	36	0	23.19			24.0
15	Pl2 BPSK	36	22	23.62			24.0
15	Pl2 BPSK	36	43	23.10			23.5
15	Pl2 BPSK	75	0	23.15			23.5
15	QPSK	1	1	23.70			
15	QPSK	1	40	23.62			24.0
15	QPSK	1	77	23.65			23.0
15	QPSK	36	0	22.60			24.0
15	QPSK	36	22	23.66			24.0
15	QPSK	36	43	22.70			23.0
15	QPSK	75	0	22.67			23.0
15	8QAM	1	1	22.59			23.0
15	8QAM	1	1	21.20			21.5
15	256QAM	1	1	19.20			19.5
Channel				340000	340500	341000	Tune-up limit (dBm) MPR
Frequency (MHz)				1700	1702.5	1705	(dBm) (dB)
10	QPSK	1	1	23.07	23.63	23.04	24.0
Channel				339500	340500	341500	Tune-up limit MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm) (dB)
5	QPSK	1	1	23.52	23.52	23.56	24.0

n70_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				340500			
Frequency (MHz)				1702.5			
15	Pl2 BPSK	1	1	22.95			
15	Pl2 BPSK	1	40	22.88			24.0
15	Pl2 BPSK	1	77	22.90			23.5
15	Pl2 BPSK	36	0	22.45			24.0
15	Pl2 BPSK	36	22	22.96			24.0
15	Pl2 BPSK	36	43	22.42			23.5
15	Pl2 BPSK	75	0	22.50			23.5
15	QPSK	1	1	23.00			
15	QPSK	1	40	22.90			24.0
15	QPSK	1	77	22.94			23.0
15	QPSK	36	0	22.06			24.0
15	QPSK	36	22	22.92			24.0
15	QPSK	36	43	22.02			23.0
15	QPSK	75	0	22.00			23.0
15	8QAM	1	1	22.06			23.0
15	8QAM	1	1	20.55			21.5
15	256QAM	1	1	18.60			19.5
Channel				340000	340500	341000	Tune-up limit MPR
Frequency (MHz)				1700	1702.5	1705	(dBm) (dB)
10	QPSK	1	1	22.91	22.95	22.96	24.0
Channel				339500	340500	341500	Tune-up limit MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm) (dB)
5	QPSK	1	1	22.87	22.91	22.77	24.0

n70_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				340500			
Frequency (MHz)				1702.5			
15	Pl2 BPSK	1	1	23.40			
15	Pl2 BPSK	1	40	23.33			24.0
15	Pl2 BPSK	1	77	23.35			23.5
15	Pl2 BPSK	36	0	22.88			24.0
15	Pl2 BPSK	36	22	23.35			24.0
15	Pl2 BPSK	36	43	22.85			23.5
15	Pl2 BPSK	75	0	22.90			23.5
15	QPSK	1	1	23.42			
15	QPSK	1	40	23.35			24.0
15	QPSK	1	77	23.31			23.0
15	QPSK	36	0	22.50			24.0
15	QPSK	36	22	23.37			24.0
15	QPSK	36	43	22.44			23.0
15	QPSK	75	0	22.48			23.0
15	8QAM	1	1	22.49			23.0
15	8QAM	1	1	21.00			21.5
15	256QAM	1	1	19.00			19.5
Channel				340000	340500	341000	Tune-up limit MPR
Frequency (MHz)				1700	1702.5	1705	(dBm) (dB)
10	QPSK	1	1	23.32	23.36	23.30	24.0
Channel				339500	340500	341500	Tune-up limit MPR
Frequency (MHz)				1697.5	1702.5	1707.5	(dBm) (dB)
5	QPSK	1	1	23.31	23.36	23.31	24.0



n70_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				340500					
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1	22.79					
15	PI2 BPSK	1	40	22.71			23.5	0.0	
15	PI2 BPSK	1	77	22.80			23.5	0.0	
15	PI2 BPSK	36	0	22.70			23.5	0.0	
15	PI2 BPSK	36	22	22.73			23.5	0.0	
15	PI2 BPSK	36	43	22.79			23.5	0.0	
15	PI2 BPSK	75	0	22.75			23.5	0.0	
15	QPSK	1	1	22.82					
15	QPSK	1	40	22.88			23.5	0.0	
15	QPSK	1	77	22.77			23.0	0.5	
15	QPSK	36	0	22.40			23.0	0.5	
15	QPSK	36	22	22.68			23.5	0.0	
15	QPSK	36	43	22.41			23.0	0.5	
15	QPSK	75	0	22.48			23.0	0.5	
15	8QAM	1	1	22.38			23.0	0.5	
15	8QAM	1	1	20.90			21.5	2.0	
15	25QAM	1	1	18.85			19.5	4.0	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705			
10	QPSK	1	1	22.75	22.73	22.81	23.5	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5			
5	QPSK	1	1	22.79	22.72	22.72	23.5	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				136500					
Frequency (MHz)				673					
20	PI2 BPSK	1	1	23.03	23.03	23.07			
20	PI2 BPSK	1	53	22.91	23.04	23.01	24.0	0.0	
20	PI2 BPSK	1	104	23.06	23.02	23.02	23.5	0.5	
20	PI2 BPSK	50	0	22.72	22.60	22.69	24.0	0.0	
20	PI2 BPSK	50	28	23.06	23.03	23.04	24.0	0.0	
20	PI2 BPSK	50	56	22.88	22.61	22.83	23.5	0.5	
20	PI2 BPSK	100	0	22.82	22.55	22.55	24.0	0.0	
20	QPSK	1	1	23.07	23.14	23.10			
20	QPSK	1	53	23.05	23.04	22.96	24.0	0.0	
20	QPSK	1	104	23.03	23.12	22.98	23.0	1.0	
20	QPSK	50	0	22.08	22.15	22.09	24.0	0.0	
20	QPSK	50	28	22.97	23.10	23.07	24.0	0.0	
20	QPSK	50	56	22.14	22.11	22.13	23.0	1.0	
20	QPSK	100	0	22.03	22.05	22.03	23.0	1.0	
20	8QAM	1	1	22.03	22.15	22.02	23.0	1.0	
20	8QAM	1	1	20.57	20.68	20.61	21.5	2.5	
20	25QAM	1	1	18.83	18.68	18.55	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	680.5	693.5			
15	QPSK	1	1	23.01	23.06	23.01	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.98	23.06	22.96	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.96	23.03	22.99	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.	Tune-up limit (dBm)	MPR (dB)	
Channel				136500					
Frequency (MHz)				673					
20	PI2 BPSK	1	1	22.72	22.82	22.79			
20	PI2 BPSK	1	53	22.69	22.75	22.74	24.0	0.0	
20	PI2 BPSK	1	104	22.69	22.80	22.65	23.5	0.5	
20	PI2 BPSK	50	0	22.34	22.44	22.36	24.0	0.0	
20	PI2 BPSK	50	28	22.79	22.80	22.78	24.0	0.0	
20	PI2 BPSK	50	56	22.36	22.39	22.35	23.5	0.5	
20	PI2 BPSK	100	0	22.32	22.33	22.34	24.0	0.0	
20	QPSK	1	1	22.77	22.85	22.75			
20	QPSK	1	53	22.68	22.77	22.73	24.0	0.0	
20	QPSK	1	104	22.69	22.83	22.69	23.0	1.0	
20	QPSK	50	0	21.79	21.89	21.84	24.0	0.0	
20	QPSK	50	28	22.72	22.80	22.71	24.0	0.0	
20	QPSK	50	56	21.87	21.90	21.83	23.0	1.0	
20	QPSK	100	0	21.73	21.82	21.67	23.0	1.0	
20	8QAM	1	1	21.83	21.86	21.76	23.0	1.0	
20	8QAM	1	1	20.37	20.39	20.33	21.5	2.5	
20	25QAM	1	1	18.30	18.40	18.32	19.5	4.5	
Channel				134100	136100	138100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				673.5	680.5	693.5			
15	QPSK	1	1	22.67	22.75	22.68	24.0	0.0	
Channel				133600	136100	138600	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				668	680.5	693			
10	QPSK	1	1	22.66	22.74	22.63	24.0	0.0	
Channel				133100	136100	139100	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				665.5	680.5	695.5			
5	QPSK	1	1	22.66	22.78	22.63	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									
Frequency (MHz)									
40	Pl2 BPSK	1	1	22.94	23.05	22.99			
40	Pl2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0	
40	Pl2 BPSK	1	104	22.80	22.82	22.79			
40	Pl2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0	
40	Pl2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0	
40	Pl2 BPSK	50	56	22.68	22.75	22.80			
40	Pl2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0	
40	QPSK	1	1	23.04	23.10	23.08			
40	QPSK	1	53	22.92	23.02	22.96	24.0	0.0	
40	QPSK	1	104	22.88	22.97	22.93			
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5	
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0	
40	QPSK	50	56	22.15	22.30	22.24			
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5	
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5	
40	16QAM	1	1	20.85	20.96	20.81	20.0	2.0	
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.03	22.03	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.83	23.02	22.96	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.99	23.01	22.94	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									
Frequency (MHz)									
40	Pl2 BPSK	1	1	22.50	22.46	22.54			
40	Pl2 BPSK	1	53	22.49	22.47	22.43	23.5	0.0	
40	Pl2 BPSK	1	104	22.54	22.55	22.47			
40	Pl2 BPSK	50	0	22.44	22.56	22.54	23.5	0.0	
40	Pl2 BPSK	50	28	22.52	22.45	22.54	23.5	0.0	
40	Pl2 BPSK	50	56	22.40	22.47	22.52			
40	Pl2 BPSK	100	0	22.53	22.46	22.52	23.5	0.0	
40	QPSK	1	1	22.52	22.50	22.55			
40	QPSK	1	53	22.44	22.53	22.53	23.5	0.0	
40	QPSK	1	104	22.46	22.56	22.44			
40	QPSK	50	0	22.43	22.45	22.38	23.5	0.0	
40	QPSK	50	28	22.38	22.45	22.46	23.5	0.0	
40	QPSK	50	56	22.36	22.40	22.38			
40	QPSK	100	0	22.37	22.38	22.29	23.5	0.0	
40	16QAM	1	1	22.36	22.38	22.29	23.5	0.0	
40	16QAM	1	1	20.76	20.90	20.75	20.0	1.5	
40	256QAM	1	1	18.84	18.85	18.83	20.0	3.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.53	22.49	22.54	23.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.49	22.58	22.54	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.50	22.59	22.53	23.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.50	22.45	22.51	23.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.45	22.50	22.46	23.5	0.0	

n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	Pl2 BPSK	1	1	19.06	19.15	19.06			
40	Pl2 BPSK	1	53	19.07	19.15	19.08	20.0	0.0	
40	Pl2 BPSK	1	104	19.00	19.12	19.07			
40	Pl2 BPSK	50	0	19.10	19.09	19.03	20.0	0.0	
40	Pl2 BPSK	50	28	19.00	19.07	19.12	20.0	0.0	
40	Pl2 BPSK	50	56	19.05	19.12	19.05			
40	Pl2 BPSK	100	0	19.08	19.19	19.01	20.0	0.0	
40	QPSK	1	1	19.11	19.20	19.15			
40	QPSK	1	53	19.04	19.15	19.05	20.0	0.0	
40	QPSK	1	104	19.11	19.17	19.07			
40	QPSK	50	0	19.02	19.13	19.11	20.0	0.0	
40	QPSK	50	28	19.12	19.16	19.12	20.0	0.0	
40	QPSK	50	56	19.10	19.07	19.08			
40	QPSK	100	0	18.99	19.08	19.00	20.0	0.0	
40	16QAM	1	1	19.02	19.15	19.05	20.0	0.0	
40	16QAM	1	1	19.05	19.12	19.14	20.0	0.0	
40	256QAM	1	1	18.94	18.96	18.87	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.09	19.15	19.13	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.03	19.05	19.08	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.08	19.18	19.12	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.09	19.10	19.00	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.10	19.11	19.10	20.0	0.0	



n38_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	20.70	20.79	20.63			
40	PI2 BPSK	1	53	20.70	20.79	20.69	22.0	0.0	
40	PI2 BPSK	1	104	20.67	20.69	20.63			
40	PI2 BPSK	50	0	20.69	20.72	20.65	22.0	0.0	
40	PI2 BPSK	50	28	20.61	20.71	20.75	22.0	0.0	
40	PI2 BPSK	50	56	20.69	20.82	20.63			
40	PI2 BPSK	100	0	20.69	20.82	20.62	22.0	0.0	
40	QPSK	1	1	20.75	20.84	20.77			
40	QPSK	1	63	20.60	20.71	20.62	22.0	0.0	
40	QPSK	1	104	20.64	20.70	20.72			
40	QPSK	50	0	20.64	20.70	20.70	22.0	0.0	
40	QPSK	50	56	20.74	20.83	20.75	22.0	0.0	
40	QPSK	50	56	20.62	20.69	20.69	22.0	0.0	
40	QPSK	100	0	20.65	20.75	20.68			
40	16QAM	1	1	20.66	20.73	20.63	22.0	0.0	
40	64QAM	1	1	20.16	20.20	20.12	21.5	0.5	
40	256QAM	1	1	18.03	18.18	18.10	19.5	2.5	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.65	20.75	20.73	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.69	20.78	20.69	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.64	20.71	20.71	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.65	20.82	20.69	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.64	20.71	20.70	22.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.26	23.41	23.30			
100	PI2 BPSK	1	137	23.26	23.35	23.23	24.0	0.0	
100	PI2 BPSK	1	271	23.32	23.34	23.26			
100	PI2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0	
100	PI2 BPSK	135	138	23.27	23.42	23.33			
100	PI2 BPSK	270	0	23.32	23.40	23.27	24.0	0.0	
100	QPSK	1	1	23.35	23.45	23.31			
100	QPSK	1	137	23.26	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.18	23.26	23.27	24.0	0.0	
100	QPSK	135	138	23.24	23.36	23.29			
100	QPSK	270	0	23.40	23.42	23.28			
100	16QAM	1	1	23.30	23.27	23.31	24.0	0.0	
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.85	21.87	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.26	23.33	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.28	23.38	23.21	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.19	23.32	23.04	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0	



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Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains data for various channels and frequencies.

FCC_n41_Ant 1

Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains data for various channels and frequencies.

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Table with columns: BW (MHz), Modulation, RB Size, RB Offset, Power Low Ch / Freq, Power Middle Ch / Freq, Power High Ch / Freq, Tune-up limit (dBm), MPR (dB). Contains data for various channels and frequencies.



FCC_n41_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	19.26	19.41	19.27				
100	PI2 BPSK	1	137	19.30	19.38	19.37	20.0	0.0		
100	PI2 BPSK	1	271	19.32	19.41	19.39				
100	PI2 BPSK	135	9	19.23	19.37	19.34	20.0	0.0		
100	PI2 BPSK	135	69	19.27	19.32	19.39	20.0	0.0		
100	PI2 BPSK	135	138	19.35	19.43	19.33	20.0	0.0		
100	PI2 BPSK	270	0	19.28	19.41	19.28				
100	QPSK	1	1	19.30	19.35	19.35	20.0	0.0		
100	QPSK	1	137	19.25	19.31	19.35	20.0	0.0		
100	QPSK	1	271	19.33	19.44	19.33				
100	QPSK	135	0	19.34	19.41	19.32	20.0	0.0		
100	QPSK	135	69	19.36	19.42	19.35	20.0	0.0		
100	QPSK	135	138	19.38	19.35	19.25	20.0	0.0		
100	QPSK	270	0	19.30	19.33	19.31	20.0	0.0		
100	16QAM	1	1	19.28	19.38	19.39	20.0	0.0		
100	64QAM	1	1	19.32	19.33	19.34	20.0	0.0		
100	256QAM	1	1	19.28	19.44	19.39	20.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	19.34	19.32	19.30	20.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	19.30	19.37	19.38	20.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	19.37	19.43	19.39	20.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	19.32	19.38	19.30	20.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	19.20	19.33	19.30	20.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	19.24	19.39	19.35	20.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	19.24	19.43	19.26	20.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	19.28	19.38	19.29	20.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	19.25	19.34	19.23	20.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	19.28	19.37	19.33	20.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	19.25	19.35	19.36	20.0	0.0		

FCC_n41(HPUE) Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	22.16	22.20	22.19				
100	PI2 BPSK	1	137	22.08	22.20	22.06	23.0	0.0		
100	PI2 BPSK	1	271	22.12	22.20	22.14				
100	PI2 BPSK	135	9	22.05	22.14	22.19	23.0	0.0		
100	PI2 BPSK	135	69	22.15	22.24	22.10	23.0	0.0		
100	PI2 BPSK	135	138	22.17	22.11	22.16	23.0	0.0		
100	PI2 BPSK	270	0	22.05	22.16	22.12				
100	QPSK	1	1	22.18	22.23	22.20	23.0	0.0		
100	QPSK	1	137	22.04	22.22	22.08	23.0	0.0		
100	QPSK	1	271	22.10	22.10	22.18				
100	QPSK	135	0	22.12	22.12	22.12	23.0	0.0		
100	QPSK	135	69	22.18	22.21	22.17	23.0	0.0		
100	QPSK	135	138	22.13	22.16	22.08	23.0	0.0		
100	QPSK	270	0	22.15	22.18	22.12	23.0	0.0		
100	16QAM	1	1	22.11	22.11	22.17	23.0	0.0		
100	64QAM	1	1	22.16	22.14	22.10	23.0	0.0		
100	256QAM	1	1	22.11	22.13	21.95	23.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	22.05	22.13	22.10	23.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	22.17	22.11	22.15	23.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	22.04	22.22	22.17	23.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	22.02	22.16	22.11	23.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	22.12	22.12	22.05	23.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	22.04	22.11	22.15	23.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	22.05	22.20	22.08	23.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.07	22.24	22.14	23.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.06	22.16	22.13	23.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.16	22.11	22.14	23.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.13	22.18	22.10	23.0	0.0		

FCC_n41_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.77	20.83	20.82				
100	PI2 BPSK	1	137	20.78	20.78	20.76	22.0	0.0		
100	PI2 BPSK	1	271	20.72	20.80	20.84				
100	PI2 BPSK	135	9	20.85	20.87	20.80	22.0	0.0		
100	PI2 BPSK	135	69	20.75	20.87	20.76	22.0	0.0		
100	PI2 BPSK	135	138	20.82	20.81	20.78	22.0	0.0		
100	PI2 BPSK	270	0	20.75	20.87	20.80				
100	QPSK	1	1	20.81	20.81	20.85	22.0	0.0		
100	QPSK	1	137	20.76	20.84	20.87	22.0	0.0		
100	QPSK	1	271	20.78	20.87	20.84				
100	QPSK	135	0	20.81	20.82	20.81	22.0	0.0		
100	QPSK	135	69	20.78	20.86	20.83	22.0	0.0		
100	QPSK	135	138	20.72	20.82	20.79	22.0	0.0		
100	QPSK	270	0	20.82	20.84	20.80				
100	16QAM	1	1	20.82	20.88	20.75	22.0	0.0		
100	64QAM	1	1	20.74	20.82	20.74	22.0	0.0		
100	256QAM	1	1	20.73	20.89	20.78	22.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	20.77	20.89	20.83	22.0	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	20.72	20.83	20.73	22.0	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	20.78	20.89	20.79	22.0	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	20.85	20.81	20.77	22.0	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.77	20.79	20.85	22.0	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	20.79	20.78	20.86	22.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	20.78	20.76	20.86	22.0	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	20.72	20.82	20.84	22.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	20.71	20.78	20.79	22.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	20.86	20.90	20.74	22.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.77	20.86	20.77	22.0	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)				505202	518598	528200		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.96	24.02	24.12		
100	PI/2 BPSK	1	137	24.04	24.11	24.05	25.0	0.0
100	PI/2 BPSK	1	271	24.08	24.05	24.11		
100	PI/2 BPSK	135	0	24.01	24.13	24.06	25.0	0.0
100	PI/2 BPSK	135	69	24.06	24.08	24.10	25.0	0.0
100	PI/2 BPSK	135	138	24.06	24.13	24.05	25.0	0.0
100	PI/2 BPSK	270	0	23.98	24.07	23.98		
100	QPSK	1	1	23.10	24.10	23.10		
100	QPSK	1	137	24.00	24.01	24.06	25.0	0.0
100	QPSK	1	271	24.01	24.00	24.10		
100	QPSK	135	0	23.99	24.10	24.07	25.0	0.0
100	QPSK	135	69	24.06	24.12	24.05	25.0	0.0
100	QPSK	135	138	24.04	24.07	24.00		
100	QPSK	270	0	24.03	24.03	24.01	25.0	0.0
100	16QAM	1	1	24.04	24.06	24.01	25.0	0.0
100	64QAM	1	1	23.16	23.46	23.22	24.5	0.5
100	256QAM	1	1	21.24	21.55	21.32	22.5	2.5
Channel								
Frequency (MHz)				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	23.96	24.01	24.03	25.0	0.0
Channel								
Frequency (MHz)				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.98		
80	QPSK	1	1	24.08	24.05	24.04	25.0	0.0
Channel								
Frequency (MHz)				505202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.07	24.03	24.09	25.0	0.0
Channel								
Frequency (MHz)				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488	2592.99	2689.98		
60	QPSK	1	1	24.04	24.06	24.06	25.0	0.0
Channel								
Frequency (MHz)				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2684.98		
50	QPSK	1	1	23.15	24.11	24.03	25.0	0.0
Channel								
Frequency (MHz)				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.08	24.04	24.04	25.0	0.0
Channel								
Frequency (MHz)				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.05	24.11	24.10	25.0	0.0
Channel								
Frequency (MHz)				501702	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.51	2592.99	2677.5		
25	QPSK	1	1	23.95	24.10	24.06	25.0	0.0
Channel								
Frequency (MHz)				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2673.98		
20	QPSK	1	1	22.07	24.04	24.10	25.0	0.0
Channel								
Frequency (MHz)				500700	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.02	24.11	24.07	25.0	0.0
Channel								
Frequency (MHz)				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2491.91	2592.99	2685		
10	QPSK	1	1	24.04	24.03	24.10	25.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				638000	641666	645332			
Frequency (MHz)				3290	32419	32910			
40	PI2 BPSK	1	1	19.74	19.80	19.87			
40	PI2 BPSK	1	53	19.74	19.82	19.86	20.5	0.0	
40	PI2 BPSK	1	104	19.71	19.83	19.88			
40	PI2 BPSK	50	0	19.76	19.76	19.79	20.5	0.0	
40	PI2 BPSK	50	28	19.70	19.71	19.65	20.5	0.0	
40	PI2 BPSK	50	56	19.83	19.81	19.70	20.5	0.0	
40	PI2 BPSK	100	0	19.72	19.83	19.77			
40	QPSK	1	1	19.75	19.85	19.90			
40	QPSK	1	53	19.72	19.77	19.79	20.5	0.0	
40	QPSK	1	104	19.66	19.77	19.77			
40	QPSK	50	0	19.74	19.75	19.72	20.5	0.0	
40	QPSK	50	28	19.77	19.83	19.83	20.5	0.0	
40	QPSK	50	56	19.75	19.82	19.69	20.5	0.0	
40	QPSK	100	0	19.65	19.80	19.79			
40	16QAM	1	1	19.67	19.77	19.76	20.5	0.0	
40	64QAM	1	1	19.73	19.77	19.76	20.5	0.0	
40	256QAM	1	1	19.84	19.90	19.88	19.5	1.0	
Channel				63700	64100	64500			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	19.76	19.84	19.88	20.5	0.0	
Channel				63324	64100	64500			
Frequency (MHz)				3660.01	3624.99	3690			
20	QPSK	1	1	19.74	19.75	19.79	20.5	0.0	
Channel				63191	64100	64500			
Frequency (MHz)				3657.52	3624.99	3692.43			
15	QPSK	1	1	19.77	19.78	19.79	20.5	0.0	
Channel				63700	64100	645332			
Frequency (MHz)				3655	3624.99	3624.98			
10	QPSK	1	1	19.66	19.78	19.77	20.5	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				638000	641666	645332			
Frequency (MHz)				32910	32419	32910			
40	PI2 BPSK	1	1	22.17	22.18	22.12			
40	PI2 BPSK	1	53	22.11	22.29	22.14	23.0	0.0	
40	PI2 BPSK	1	104	22.13	22.26	22.20			
40	PI2 BPSK	50	0	22.16	22.13	22.13	23.0	0.0	
40	PI2 BPSK	50	28	22.24	22.21	22.11	23.0	0.0	
40	PI2 BPSK	50	56	22.17	22.26	22.21	23.0	0.0	
40	PI2 BPSK	100	0	22.11	22.24	22.16			
40	QPSK	1	1	22.25	22.26	22.25			
40	QPSK	1	53	22.23	22.24	22.16	23.0	0.0	
40	QPSK	1	104	22.11	22.24	22.16			
40	QPSK	50	0	22.10	22.26	22.11	23.0	0.0	
40	QPSK	50	28	22.25	22.27	22.25	23.0	0.0	
40	QPSK	50	56	22.20	22.14	22.08	23.0	0.0	
40	QPSK	100	0	22.15	22.23	22.16			
40	16QAM	1	1	22.14	22.25	22.16	23.0	0.0	
40	64QAM	1	1	21.34	21.40	21.25	21.5	1.5	
40	256QAM	1	1	18.98	19.00	18.88	19.5	3.5	
Channel				63700	64100	64500			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	22.16	22.18	22.11	23.0	0.0	
Channel				63324	64100	64500			
Frequency (MHz)				3660.01	3624.99	3690			
20	QPSK	1	1	22.24	22.15	22.09	23.0	0.0	
Channel				63191	64100	64500			
Frequency (MHz)				3657.52	3624.99	3692.43			
15	QPSK	1	1	22.14	22.14	22.11	23.0	0.0	
Channel				63700	64100	645332			
Frequency (MHz)				3665	3624.99	3624.98			
10	QPSK	1	1	22.23	22.24	22.07	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				638000	641666	645332			
Frequency (MHz)				3291	32419	32910			
40	PI2 BPSK	1	1	18.15	18.22	18.15			
40	PI2 BPSK	1	53	18.19	18.17	18.08	19.0	0.0	
40	PI2 BPSK	1	104	18.15	18.14	18.14			
40	PI2 BPSK	50	0	18.11	18.17	18.20	19.0	0.0	
40	PI2 BPSK	50	28	18.06	18.22	18.12	19.0	0.0	
40	PI2 BPSK	50	56	18.16	18.19	18.11	19.0	0.0	
40	PI2 BPSK	100	0	18.15	18.11	18.14			
40	QPSK	1	1	18.20	18.26	18.22			
40	QPSK	1	53	18.13	18.12	18.15	19.0	0.0	
40	QPSK	1	104	18.15	18.18	18.13			
40	QPSK	50	0	18.14	18.11	18.08	19.0	0.0	
40	QPSK	50	28	18.15	18.23	18.17	19.0	0.0	
40	QPSK	50	56	18.10	18.15	18.14	19.0	0.0	
40	QPSK	100	0	18.18	18.20	18.07			
40	16QAM	1	1	18.07	18.21	18.07	19.0	0.0	
40	64QAM	1	1	18.10	18.17	18.11	19.0	0.0	
40	256QAM	1	1	17.63	17.68	17.61	19.0	0.0	
Channel				63700	64100	64500			
Frequency (MHz)				3665.02	3624.99	3684.99			
30	QPSK	1	1	18.08	18.12	18.21	19.0	0.0	
Channel				63324	64100	64500			
Frequency (MHz)				3660.01	3624.99	3690			
20	QPSK	1	1	18.19	18.17	18.14	19.0	0.0	
Channel				63191	64100	64500			
Frequency (MHz)				3657.52	3624.99	3692.43			
15	QPSK	1	1	18.05	18.17	18.08	19.0	0.0	
Channel				63700	64100	645332			
Frequency (MHz)				3655	3624.99	3624.98			
10	QPSK	1	1	18.17	18.13	18.12	19.0	0.0	



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Middle Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Tune-up Int. (dBm)	MRR (dB)		
Channel										
Frequency (MHz)										
40	PI2 BPSK	1	1	19.53	19.71	19.63				
40	PI2 BPSK	1	83	19.51	19.68	19.54	20.5	0.0		
40	PI2 BPSK	1	104	19.58	19.84	19.54				
40	PI2 BPSK	50	0	19.53	19.65	19.48	20.5	0.0		
40	PI2 BPSK	50	28	19.50	19.70	19.62	20.5	0.0		
40	PI2 BPSK	50	56	19.51	19.85	19.48	20.5	0.0		
40	PI2 BPSK	100	0	19.45	19.95	19.53				
40	QPSK	1	1	19.70	19.84	19.78	20.5	0.0		
40	QPSK	1	53	19.64	19.74	19.63				
40	QPSK	50	0	19.63	19.70	19.63	20.5	0.0		
40	QPSK	50	28	19.71	19.78	19.73	20.5	0.0		
40	QPSK	50	56	19.62	19.85	19.63	20.5	0.0		
40	QPSK	100	0	19.50	19.70	19.63				
40	BQAM	1	1	19.72	19.76	19.63	20.5	0.0		
40	BQAM	1	1	19.65	19.72	19.69	20.5	0.0		
40	BQAM	1	1	18.99	19.09	19.08	19.5	1.0		
Channel										
Frequency (MHz)										
30										
QPSK										
1	1	1	19.72	19.74	19.66	20.5	0.0			
Channel										
Frequency (MHz)										
20										
QPSK										
1	1	1	19.66	19.73	19.65	20.5	0.0			
Channel										
Frequency (MHz)										
15										
QPSK										
1	1	1	19.71	19.75	19.71	20.5	0.0			
Channel										
Frequency (MHz)										
10										
QPSK										
1	1	1	19.66	19.73	19.73	20.5	0.0			

Part27Q_n77_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Middle Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Tune-up Int. (dBm)	MRR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.34	20.34	20.34				
100	PI2 BPSK	1	137	20.29			21.0	0.0		
100	PI2 BPSK	1	271	20.30						
100	PI2 BPSK	135	0	20.32			21.0	0.0		
100	PI2 BPSK	135	69	20.32			21.0	0.0		
100	PI2 BPSK	135	138	20.28			21.0	0.0		
100	PI2 BPSK	270	0	20.25						
100	QPSK	1	1	20.38						
100	QPSK	1	137	20.32			21.0	0.0		
100	QPSK	1	271	20.32						
100	QPSK	135	0	20.32			21.0	0.0		
100	QPSK	135	69	20.36			21.0	0.0		
100	QPSK	135	138	20.23			21.0	0.0		
100	QPSK	270	0	20.31						
100	BQAM	1	1	20.27			21.0	0.0		
100	BQAM	1	1	20.30			21.0	0.0		
100	BQAM	1	1	20.35			21.0	0.0		
Channel										
Frequency (MHz)										
90										
QPSK										
1	1	1	20.34	20.33	20.24	21.0	0.0			
Channel										
Frequency (MHz)										
80										
QPSK										
1	1	1	20.34	20.31	20.29	21.0	0.0			
Channel										
Frequency (MHz)										
70										
QPSK										
1	1	1	20.35	20.32	20.28	21.0	0.0			
Channel										
Frequency (MHz)										
60										
QPSK										
1	1	1	20.28	20.29	20.23	21.0	0.0			
Channel										
Frequency (MHz)										
50										
QPSK										
1	1	1	20.23	20.29	20.19	21.0	0.0			
Channel										
Frequency (MHz)										
40										
QPSK										
1	1	1	20.34	20.29	20.24	21.0	0.0			
Channel										
Frequency (MHz)										
30										
QPSK										
1	1	1	20.26	20.28	20.29	21.0	0.0			
Channel										
Frequency (MHz)										
25										
QPSK										
1	1	1	20.36	20.24	20.30	21.0	0.0			
Channel										
Frequency (MHz)										
20										
QPSK										
1	1	1	20.34	20.22	20.23	21.0	0.0			
Channel										
Frequency (MHz)										
15										
QPSK										
1	1	1	20.31	20.23	20.27	21.0	0.0			
Channel										
Frequency (MHz)										
10										
QPSK										
1	1	1	20.28	20.32	20.23	21.0	0.0			

Part27Q_n77(HPUe)_Ant 3										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq. [dBm]	Power Middle Ch. Freq. [dBm]	Power High Ch. Freq. [dBm]	Tune-up Int. (dBm)	MRR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	23.14	23.14	23.14				
100	PI2 BPSK	1	137	23.13			24.0	0.0		
100	PI2 BPSK	1	271	23.03						
100	PI2 BPSK	135	0	23.01			24.0	0.0		
100	PI2 BPSK	135	69	23.13			24.0	0.0		
100	PI2 BPSK	135	138	23.12			24.0	0.0		
100	PI2 BPSK	270	0	23.08						
100	QPSK	1	1	23.15						
100	QPSK	1	137	23.12			24.0	0.0		
100	QPSK	1	271	23.02						
100	QPSK	135	0	23.01			24.0	0.0		
100	QPSK	135	69	23.14			24.0	0.0		
100	QPSK	135	138	23.13			24.0	0.0		
100	QPSK	270	0	23.03						
100	BQAM	1	1	23.02			24.0	0.0		
100	BQAM	1	1	23.05			24.0	0.0		
100	BQAM	1	1	23.03			22.5	1.5		
Channel										
Frequency (MHz)										
90										
QPSK										
1	1	1	23.01	23.09	23.01	24.0	0.0			
Channel										
Frequency (MHz)										
80										
QPSK										
1	1	1	23.03	23.09	23.04	24.0	0.0			
Channel										
Frequency (MHz)										
70										
QPSK										
1	1	1	23.09	22.97	23.03	24.0	0.0			
Channel										
Frequency (MHz)										
60										
QPSK										
1	1	1	23.14	23.10	22.98	24.0	0.0			
Channel										
Frequency (MHz)										
50										
QPSK										
1	1	1	23.08	23.11	22.96	24.0	0.0			
Channel										
Frequency (MHz)										
40										
QPSK										
1	1	1	23.02	22.98	23.04	24.0	0.0			
Channel										
Frequency (MHz)										
30										
QPSK										
1	1	1	23.11	23.08	22.97	24.0	0.0			
Channel										
Frequency (MHz)										
25										
QPSK										
1	1	1	23.09	23.11	22.99	24.0	0.0			
Channel										
Frequency (MHz)										
20										
QPSK										
1	1	1	23.09	23.04	22.93	24.0	0.0			
Channel										
Frequency (MHz)										
15										
QPSK										
1	1	1	23.03	23.03	23.04	24.0	0.0			
Channel										
Frequency (MHz)										
10										
QPSK										
1	1	1	23.01	23.03	23.01	24.0	0.0			



Part270_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				66000	66000	66000			
100	PIQ BPSK	1	1	20.35	20.34	20.42			
100	PIQ BPSK	1	137	20.34	20.40	20.41	21.0	0.0	
100	PIQ BPSK	1	271	20.33	20.45	20.37			
100	PIQ BPSK	135	0	20.34	20.33	20.40	21.0	0.0	
100	PIQ BPSK	135	69	20.28	20.34	20.42	21.0	0.0	
100	PIQ BPSK	135	138	20.38	20.38	20.30	21.0	0.0	
100	PIQ BPSK	270	0	20.35	20.43	20.30			
100	QPSK	1	1	20.40	20.47	20.40			
100	QPSK	1	137	20.34	20.42	20.34	21.0	0.0	
100	QPSK	1	271	20.32	20.35	20.32			
100	QPSK	135	0	20.27	20.33	20.35	21.0	0.0	
100	QPSK	135	69	20.33	20.45	20.37	21.0	0.0	
100	QPSK	135	138	20.30	20.32	20.41	21.0	0.0	
100	QPSK	270	0	20.25	20.44	20.43			
100	8QAM	1	1	20.27	20.32	20.33	21.0	0.0	
100	8QAM	1	1	20.29	20.40	20.37	21.0	0.0	
100	256QAM	1	1	20.28	20.37	20.42	21.0	0.0	
Channel									
Frequency (MHz)				3745.00	3840	3834.98	(dBm)	MPR (dB)	
90	QPSK	1	1	20.28	20.38	20.40	21.0	0.0	
Channel									
Frequency (MHz)				3735.00	3840	3835.99	(dBm)	MPR (dB)	
80	QPSK	1	1	20.37	20.41	20.40	21.0	0.0	
Channel									
Frequency (MHz)				3735.00	3840	3845	(dBm)	MPR (dB)	
70	QPSK	1	1	20.37	20.33	20.44	21.0	0.0	
Channel									
Frequency (MHz)				3730.00	3840	3849.98	(dBm)	MPR (dB)	
60	QPSK	1	1	20.36	20.39	20.32	21.0	0.0	
Channel									
Frequency (MHz)				3725.01	3840	3854.99	(dBm)	MPR (dB)	
50	QPSK	1	1	20.32	20.44	20.37	21.0	0.0	
Channel									
Frequency (MHz)				3720	3840	3860	(dBm)	MPR (dB)	
40	QPSK	1	1	20.38	20.43	20.30	21.0	0.0	
Channel									
Frequency (MHz)				3715.00	3840	3864.98	(dBm)	MPR (dB)	
30	QPSK	1	1	20.28	20.35	20.40	21.0	0.0	
Channel									
Frequency (MHz)				3712.5	3840	3871.5	(dBm)	MPR (dB)	
25	QPSK	1	1	20.31	20.34	20.44	21.0	0.0	
Channel									
Frequency (MHz)				3710.01	3840	3876.99	(dBm)	MPR (dB)	
20	QPSK	1	1	20.34	20.34	20.36	21.0	0.0	
Channel									
Frequency (MHz)				3707.50	3840	3872.48	(dBm)	MPR (dB)	
15	QPSK	1	1	20.28	20.35	20.30	21.0	0.0	
Channel									
Frequency (MHz)				3705	3840	3875	(dBm)	MPR (dB)	
10	QPSK	1	1	20.25	20.40	20.30	21.0	0.0	

Part270_n77(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)				66000	66000	66000			
100	PIQ BPSK	1	1	23.21	23.24	23.23			
100	PIQ BPSK	1	137	23.20	23.22	23.11	24.0	0.0	
100	PIQ BPSK	1	271	23.19	23.25	23.19			
100	PIQ BPSK	135	0	23.18	23.20	23.18	24.0	0.0	
100	PIQ BPSK	135	69	23.15	23.22	23.24	24.0	0.0	
100	PIQ BPSK	135	138	23.21	23.25	23.18	24.0	0.0	
100	PIQ BPSK	270	0	23.19	23.28	23.18			
100	QPSK	1	1	23.20	23.25	23.25			
100	QPSK	1	137	23.19	23.24	23.17	24.0	0.0	
100	QPSK	1	271	23.13	23.23	23.12			
100	QPSK	135	0	23.15	23.22	23.10	24.0	0.0	
100	QPSK	135	69	23.22	23.24	23.24	24.0	0.0	
100	QPSK	135	138	23.24	23.24	23.18	24.0	0.0	
100	QPSK	270	0	23.27	23.29	23.23			
100	8QAM	1	1	23.14	23.26	23.20	24.0	0.0	
100	8QAM	1	1	23.15	23.22	23.18	24.0	0.0	
100	256QAM	1	1	21.80	21.85	21.73	22.5	1.5	
Channel									
Frequency (MHz)				3745.00	3840	3834.98	(dBm)	MPR (dB)	
90	QPSK	1	1	23.20	23.22	23.22	24.0	0.0	
Channel									
Frequency (MHz)				3740.01	3840	3839.99	(dBm)	MPR (dB)	
80	QPSK	1	1	23.24	23.30	23.22	24.0	0.0	
Channel									
Frequency (MHz)				3735	3840	3845	(dBm)	MPR (dB)	
70	QPSK	1	1	23.25	23.31	23.20	24.0	0.0	
Channel									
Frequency (MHz)				3730.00	3840	3849.98	(dBm)	MPR (dB)	
60	QPSK	1	1	23.16	23.25	23.22	24.0	0.0	
Channel									
Frequency (MHz)				3725.01	3840	3854.99	(dBm)	MPR (dB)	
50	QPSK	1	1	23.17	23.21	23.23	24.0	0.0	
Channel									
Frequency (MHz)				3720	3840	3860	(dBm)	MPR (dB)	
40	QPSK	1	1	23.15	23.27	23.17	24.0	0.0	
Channel									
Frequency (MHz)				3715.00	3840	3864.98	(dBm)	MPR (dB)	
30	QPSK	1	1	23.18	23.20	23.17	24.0	0.0	
Channel									
Frequency (MHz)				3712.5	3840	3871.5	(dBm)	MPR (dB)	
25	QPSK	1	1	23.18	23.24	23.17	24.0	0.0	
Channel									
Frequency (MHz)				3710.01	3840	3876.99	(dBm)	MPR (dB)	
20	QPSK	1	1	23.27	23.32	23.16	24.0	0.0	
Channel									
Frequency (MHz)				3707.50	3840	3872.48	(dBm)	MPR (dB)	
15	QPSK	1	1	23.13	23.31	23.22	24.0	0.0	
Channel									
Frequency (MHz)				3705	3840	3875	(dBm)	MPR (dB)	
10	QPSK	1	1	23.25	23.25	23.11	24.0	0.0	



Part27Q_n77_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.25	19.25	19.25	20.0	0.0
100	PI2 BPSK	1	137	19.27	19.27	19.27	20.0	0.0
100	PI2 BPSK	1	271	19.38	19.38	19.38	20.0	0.0
100	PI2 BPSK	135	0	19.29	19.29	19.29	20.0	0.0
100	PI2 BPSK	135	69	19.35	19.35	19.35	20.0	0.0
100	PI2 BPSK	135	138	19.39	19.39	19.39	20.0	0.0
100	PI2 BPSK	270	0	19.30	19.30	19.30	20.0	0.0
100	QPSK	1	1	19.40	19.40	19.40	20.0	0.0
100	QPSK	1	137	19.38	19.38	19.38	20.0	0.0
100	QPSK	1	271	19.38	19.38	19.38	20.0	0.0
100	QPSK	135	0	19.25	19.25	19.25	20.0	0.0
100	QPSK	135	69	19.30	19.30	19.30	20.0	0.0
100	QPSK	135	138	19.25	19.25	19.25	20.0	0.0
100	QPSK	270	0	19.27	19.27	19.27	20.0	0.0
100	64QAM	1	1	19.27	19.27	19.27	20.0	0.0
100	64QAM	1	1	19.31	19.31	19.31	20.0	0.0
100	256QAM	1	1	19.28	19.28	19.28	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.19	19.22	19.35	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.25	19.21	19.29	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.15	19.22	19.22	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.29	19.28	19.34	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.19	19.20	19.28	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.22	19.20	19.30	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.25	19.34	19.35	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.19	19.27	19.22	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.22	19.31	19.45	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.26	19.28	19.45	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.23	19.25	19.35	20.0	0.0

Part27Q_n77(HPUe)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	22.18	22.18	22.18	23.0	0.0
100	PI2 BPSK	1	137	22.27	22.27	22.27	23.0	0.0
100	PI2 BPSK	1	271	22.23	22.23	22.23	23.0	0.0
100	PI2 BPSK	135	0	22.30	22.30	22.30	23.0	0.0
100	PI2 BPSK	135	69	22.31	22.31	22.31	23.0	0.0
100	PI2 BPSK	135	138	22.25	22.25	22.25	23.0	0.0
100	PI2 BPSK	270	0	22.25	22.25	22.25	23.0	0.0
100	QPSK	1	1	22.26	22.26	22.26	23.0	0.0
100	QPSK	1	137	22.29	22.29	22.29	23.0	0.0
100	QPSK	1	271	22.29	22.29	22.29	23.0	0.0
100	QPSK	135	0	22.18	22.18	22.18	23.0	0.0
100	QPSK	135	69	22.32	22.32	22.32	23.0	0.0
100	QPSK	135	138	22.20	22.20	22.20	23.0	0.0
100	QPSK	270	0	22.21	22.21	22.21	23.0	0.0
100	64QAM	1	1	22.20	22.20	22.20	23.0	0.0
100	64QAM	1	1	22.20	22.20	22.20	23.0	0.0
100	256QAM	1	1	22.18	22.18	22.18	23.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.26	22.20	22.19	23.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.21	22.18	22.24	23.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.18	22.19	22.27	23.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.16	22.09	22.25	23.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.19	22.17	22.23	23.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.15	22.12	22.20	23.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.13	22.09	22.20	23.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	22.18	22.10	22.23	23.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.26	22.13	22.20	23.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	22.22	22.20	22.20	23.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	22.13	22.20	22.20	23.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	19.21	19.26	19.34	20.0	0.0
100	PI2 BPSK	1	137	19.23	19.31	19.30	20.0	0.0
100	PI2 BPSK	1	271	19.22	19.25	19.29	20.0	0.0
100	PI2 BPSK	135	0	19.27	19.29	19.27	20.0	0.0
100	PI2 BPSK	135	69	19.22	19.32	19.30	20.0	0.0
100	PI2 BPSK	135	138	19.19	19.24	19.31	20.0	0.0
100	PI2 BPSK	270	0	19.22	19.31	19.33	20.0	0.0
100	QPSK	1	1	19.21	19.26	19.33	20.0	0.0
100	QPSK	1	137	19.20	19.29	19.33	20.0	0.0
100	QPSK	1	271	19.24	19.34	19.28	20.0	0.0
100	QPSK	135	0	19.24	19.28	19.27	20.0	0.0
100	QPSK	135	69	19.21	19.25	19.31	20.0	0.0
100	QPSK	135	138	19.20	19.31	19.28	20.0	0.0
100	QPSK	270	0	19.22	19.30	19.29	20.0	0.0
100	64QAM	1	1	19.20	19.28	19.24	20.0	0.0
100	64QAM	1	1	19.21	19.27	19.28	20.0	0.0
100	256QAM	1	1	19.18	19.38	19.31	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.25	19.18	19.19	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.25	19.23	19.17	20.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	19.19	19.13	19.19	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.25	19.15	19.13	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.14	19.13	19.19	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.12	19.19	19.15	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.10	19.15	19.14	20.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	19.13	19.20	19.20	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	19.16	19.18	19.23	20.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	19.17	19.13	19.14	20.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	19.22	19.14	19.25	20.0	0.0



Part27O_n77(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
Channel				66000	66000	66000		
Frequency (MHz)				21.93	22.0	22.07		
100	PI2 BPSK	1	1	22.08	22.08	21.98		
100	PI2 BPSK	1	137	22.01	22.16	22.10	23.0	0.0
100	PI2 BPSK	1	271	22.07	22.11	22.08		
100	PI2 BPSK	135	0	22.10	22.08	22.07	23.0	0.0
100	PI2 BPSK	135	69	22.07	22.12	22.02		
100	PI2 BPSK	135	135	22.14	22.06	22.10	23.0	0.0
100	PI2 BPSK	270	0	22.12	22.14	22.05		
100	QPSK	1	1	22.15	22.20	22.12		
100	QPSK	1	137	22.08	22.11	22.08	23.0	0.0
100	QPSK	1	271	22.08	22.12	22.07		
100	QPSK	135	0	22.09	22.08	22.06	23.0	0.0
100	QPSK	135	69	22.12	22.12	22.12		
100	QPSK	135	135	22.13	22.12	22.02	23.0	0.0
100	QPSK	270	0	22.06	22.10	22.06		
100	BQAM	1	1	22.08	22.08	22.06	23.0	0.0
100	BQAM	1	1	22.00	22.15	22.02	23.0	0.0
100	BQAM	1	1	21.74	21.82	21.78	22.5	0.5
Channel				66000	66000	66000		
Frequency (MHz)				3745.02	3840	3834.98		
80	QPSK	1	1	21.97	22.18	21.92	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3740.01	3840	3839.99		
80	QPSK	1	1	22.04	22.07	22.02	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3735	3840	3845		
70	QPSK	1	1	21.99	22.12	21.95	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3730.02	3840	3839.98		
60	QPSK	1	1	22.04	22.10	21.91	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3725.01	3840	3834.99		
50	QPSK	1	1	22.08	22.08	21.99	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3720	3840	3860		
40	QPSK	1	1	21.99	22.10	21.97	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3715.02	3840	3834.98		
30	QPSK	1	1	22.08	22.08	21.95	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3712.5	3840	3837.5		
25	QPSK	1	1	21.97	22.17	21.99	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3710.51	3840	3839.50		
20	QPSK	1	1	22.04	22.05	21.97	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3707.52	3840	3837.48		
15	QPSK	1	1	21.92	22.08	22.02	23.0	0.0
Channel				66000	66000	66000		
Frequency (MHz)				3705	3840	3875		
10	QPSK	1	1	22.08	22.13	21.98	23.0	0.0



Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	6339.9	6339.9	6339.9		
100	PI2 BPSK	1	137	17.63	17.63	17.63	18.5	0.0
100	PI2 BPSK	1	271	17.63	17.63	17.63	18.5	0.0
100	PI2 BPSK	135	0	17.57	17.57	17.57	18.5	0.0
100	PI2 BPSK	135	69	17.65	17.65	17.65	18.5	0.0
100	PI2 BPSK	135	138	17.55	17.55	17.55	18.5	0.0
100	PI2 BPSK	270	0	17.58	17.58	17.58	18.5	0.0
100	QPSK	1	1	17.65	17.65	17.65		
100	QPSK	1	137	17.62	17.62	17.62	18.5	0.0
100	QPSK	1	271	17.60	17.60	17.60	18.5	0.0
100	QPSK	135	0	17.58	17.58	17.58	18.5	0.0
100	QPSK	135	69	17.6	17.6	17.6	18.5	0.0
100	QPSK	135	138	17.54	17.54	17.54	18.5	0.0
100	QPSK	270	0	17.61	17.61	17.61	18.5	0.0
100	BQAM	1	1	17.58	17.58	17.58	18.5	0.0
100	BQAM	1	1	17.53	17.53	17.53	18.5	0.0
100	BQAM	1	1	17.58	17.58	17.58	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	6338.0	6338.0	6338.0	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3495	3499.98	3504.99	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.49	17.52	17.61	18.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	6338.8	6339.2	6339.3	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3485.01	3499.98	3514.98	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.47	17.48	17.48	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	6339.0	6339.2	6339.3	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	3476.02	3499.98	3520	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.57	17.61	17.67	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	3470.91	3499.98	3520.98	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.52	17.62	17.67	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	3465	3499.98	3534.99	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.56	17.48	17.65	18.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	3462.91	3499.98	3537.81	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.47	17.48	17.60	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	3458.98	3499.98	3540.99	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.57	17.4	17.61	18.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	3455.91	3499.98	3544.98	18.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	17.55	17.44	17.49	18.5	0.0



Part27Q_n77(HPUE)_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mid Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like Pi2 BPSK, QPSK, 16QAM, 256QAM.

Part27Q_n77_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mid Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like Pi2 BPSK, QPSK, 16QAM, 256QAM.

Part27Q_n77(HPUE)_Ant 6

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mid Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include Channel, Frequency (MHz), and various modulation schemes like Pi2 BPSK, QPSK, 16QAM, 256QAM.



Part27Q_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.26	21.26	21.26			
100	PI2 BPSK	1	137	21.21	21.21	21.21	22.0	0.0	
100	PI2 BPSK	1	271	21.27	21.27	21.27			
100	PI2 BPSK	135	0	21.22	21.22	21.22	22.0	0.0	
100	PI2 BPSK	135	66	21.20	21.20	21.20	22.0	0.0	
100	PI2 BPSK	135	135	21.31	21.31	21.31	22.0	0.0	
100	PI2 BPSK	270	0	21.22	21.22	21.22			
100	QPSK	1	1	21.27	21.27	21.27			
100	QPSK	1	137	21.27	21.27	21.27	22.0	0.0	
100	QPSK	1	271	21.23	21.23	21.23			
100	QPSK	135	0	21.17	21.17	21.17	22.0	0.0	
100	QPSK	135	66	21.26	21.26	21.26	22.0	0.0	
100	QPSK	135	135	21.25	21.25	21.25	22.0	0.0	
100	QPSK	270	0	21.22	21.22	21.22			
100	16QAM	1	1	21.22	21.22	21.22	22.0	0.0	
100	64QAM	1	1	21.27	21.27	21.27	22.0	0.0	
100	256QAM	1	1	21.22	21.22	21.22	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3495	3499.98	3504.99			
90	QPSK	1	1	21.00	21.23	21.14	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3499.98	3510			
80	QPSK	1	1	21.18	21.24	21.18	22.0	0.0	
Channel									
				83334	83335	83332	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3499.98	3514.98			
70	QPSK	1	1	21.20	21.25	21.22	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3480	3499.98	3519.99			
60	QPSK	1	1	21.19	21.11	21.14	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3499.98	3525			
50	QPSK	1	1	21.22	21.22	21.22	22.0	0.0	
Channel									
				83334	83335	83332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3499.98	3529.98			
40	QPSK	1	1	21.02	21.21	21.13	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3465	3499.98	3534.99			
30	QPSK	1	1	21.02	21.21	21.16	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3499.98	3537.48			
25	QPSK	1	1	21.02	21.21	21.22	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3460.02	3499.98	3540			
20	QPSK	1	1	21.02	21.20	21.14	22.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499.98	3542.49			
15	QPSK	1	1	21.11	21.16	21.13	22.0	0.0	
Channel									
				83334	83335	83332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3499.98	3544.98			
10	QPSK	1	1	21.11	21.11	21.14	22.0	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	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	24.07	24.07	24.07			
100	PI2 BPSK	1	137	24.09	24.09	24.09	25.0	0.0	
100	PI2 BPSK	1	271	24.15	24.15	24.15			
100	PI2 BPSK	135	0	24.14	24.14	24.14	25.0	0.0	
100	PI2 BPSK	135	66	24.19	24.19	24.19	25.0	0.0	
100	PI2 BPSK	135	135	24.30	24.30	24.30	25.0	0.0	
100	PI2 BPSK	270	0	24.20	24.20	24.20			
100	QPSK	1	1	24.02	24.02	24.02			
100	QPSK	1	137	24.08	24.08	24.08	25.0	0.0	
100	QPSK	1	271	24.09	24.09	24.09			
100	QPSK	135	0	24.17	24.17	24.17	25.0	0.0	
100	QPSK	135	66	24.20	24.20	24.20	25.0	0.0	
100	QPSK	135	135	24.13	24.13	24.13	25.0	0.0	
100	QPSK	270	0	24.11	24.11	24.11			
100	16QAM	1	1	24.06	24.06	24.06	25.0	0.0	
100	64QAM	1	1	23.44	23.44	23.44	24.5	0.5	
100	256QAM	1	1	21.46	21.46	21.46	22.5	2.5	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3495	3499.98	3504.99			
90	QPSK	1	1	24.05	24.07	24.00	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3490.02	3499.98	3510			
80	QPSK	1	1	24.03	24.07	24.09	25.0	0.0	
Channel									
				83334	83335	83332	Tune-up limit (dBm)	MPR (dB)	
				3485.01	3499.98	3514.98			
70	QPSK	1	1	24.01	24.04	24.10	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3480	3499.98	3519.99			
60	QPSK	1	1	24.04	24.08	24.00	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3475.02	3499.98	3525			
50	QPSK	1	1	24.01	24.03	24.00	25.0	0.0	
Channel									
				83334	83335	83332	Tune-up limit (dBm)	MPR (dB)	
				3470.01	3499.98	3529.98			
40	QPSK	1	1	24.00	24.08	24.02	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3465	3499.98	3534.99			
30	QPSK	1	1	24.13	24.10	24.12	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3462.51	3499.98	3537.48			
25	QPSK	1	1	24.07	24.02	23.99	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3459.02	3499.98	3540			
20	QPSK	1	1	24.08	24.10	24.11	25.0	0.0	
Channel									
				83300	83332	83366	Tune-up limit (dBm)	MPR (dB)	
				3457.5	3499.98	3542.49			
15	QPSK	1	1	24.09	24.06	24.12	25.0	0.0	
Channel									
				83334	83335	83332	Tune-up limit (dBm)	MPR (dB)	
				3455.01	3499.98	3544.98			
10	QPSK	1	1	24.00	24.05	24.11	25.0	0.0	



Part270_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.33	21.30	21.32			
100	PI2 BPSK	1	137	21.26	21.32	21.23	22.0	0.0	
100	PI2 BPSK	1	271	21.22	21.38	21.31			
100	PI2 BPSK	135	0	21.28	21.35	21.26	22.0	0.0	
100	PI2 BPSK	135	69	21.25	21.28	21.34	22.0	0.0	
100	PI2 BPSK	135	138	21.30	21.32	21.25	22.0	0.0	
100	PI2 BPSK	270	0	21.28	21.28	21.31			
100	QPSK	1	1	21.34	21.40	21.30			
100	QPSK	1	137	21.29	21.39	21.31	22.0	0.0	
100	QPSK	1	271	21.27	21.26	21.28			
100	QPSK	135	0	21.20	21.25	21.28	22.0	0.0	
100	QPSK	135	69	21.27	21.26	21.29	22.0	0.0	
100	QPSK	135	138	21.25	21.28	21.31	22.0	0.0	
100	QPSK	270	0	21.21	21.35	21.31			
100	8QAM	1	1	21.33	21.34	21.34	22.0	0.0	
100	8QAM	1	1	21.29	21.28	21.20	22.0	0.0	
100	256QAM	1	1	21.30	21.30	21.20	22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.22	21.27	21.19	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.14	21.31	21.17	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.16	21.22	21.09	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.15	21.22	21.18	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.13	21.34	21.16	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.21	21.34	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.22	21.34	21.08	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.22	21.27	21.19	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.12	21.25	21.11	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.14	21.28	21.11	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.11	21.08	21.08	22.0	0.0	

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up time (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	24.25	24.30	24.21			
100	PI2 BPSK	1	137	24.29	24.31	24.17	25.0	0.0	
100	PI2 BPSK	1	271	24.25	24.31	24.20			
100	PI2 BPSK	135	0	24.24	24.24	24.17	25.0	0.0	
100	PI2 BPSK	135	69	24.22	24.30	24.16	25.0	0.0	
100	PI2 BPSK	135	138	24.20	24.21	24.28	25.0	0.0	
100	PI2 BPSK	270	0	24.25	24.30	24.17			
100	QPSK	1	1	24.30	24.30	24.31			
100	QPSK	1	137	24.18	24.29	24.28	25.0	0.0	
100	QPSK	1	271	24.25	24.25	24.22			
100	QPSK	135	0	24.21	24.32	24.30	25.0	0.0	
100	QPSK	135	69	24.18	24.30	24.28	25.0	0.0	
100	QPSK	135	138	24.18	24.28	24.28	25.0	0.0	
100	QPSK	270	0	24.29	24.31	24.18			
100	8QAM	1	1	24.18	24.20	24.25	25.0	0.0	
100	8QAM	1	1	23.77	23.85	23.72	24.5	0.5	
100	256QAM	1	1	21.89	21.92	21.80	22.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.15	24.22	24.14	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.13	24.24	24.27	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.09	24.12	24.27	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.15	24.13	24.19	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.12	24.13	24.28	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.07	24.24	24.21	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.13	24.20	24.20	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.16	24.11	24.24	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.11	24.14	24.17	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.07	24.21	24.20	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	24.15	24.20	24.21	25.0	0.0	



Part27Q_n78_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3492.91	3492.91	3492.91			
100	PI2 BPSK	1	137	20.25					
100	PI2 BPSK	1	271	20.28			21.0	0.0	
100	PI2 BPSK	135	0	20.21					21.0
100	PI2 BPSK	135	69	20.20					21.0
100	PI2 BPSK	135	138	20.22			21.0	0.0	
100	PI2 BPSK	270	0	20.24					21.0
100	QPSK	1	1	20.20					21.0
100	QPSK	1	137	20.26					21.0
100	QPSK	1	271	20.21					21.0
100	QPSK	135	0	20.22			21.0	0.0	
100	QPSK	135	69	20.26					21.0
100	QPSK	135	138	20.19					21.0
100	QPSK	270	0	20.22					21.0
100	16QAM	1	1	20.17					21.0
100	64QAM	1	1	20.22			21.0	0.0	
100	256QAM	1	1	20.17			21.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.27	20.16	20.20	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.29	20.17	20.13	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.22	20.15	20.14	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.15	20.26	20.19	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.29	20.18	20.16	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.25	20.25	20.11	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.24	20.21	20.24	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.17	20.26	20.17	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.26	20.26	20.13	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.22	20.16	20.22	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.27	20.22	20.11	21.0	0.0	

Part27Q_n78(HPUe)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3492.91	3492.91	3492.91			
100	PI2 BPSK	1	137	22.02					
100	PI2 BPSK	1	271	22.01			24.0	0.0	
100	PI2 BPSK	135	0	22.05					24.0
100	PI2 BPSK	135	69	23.00					24.0
100	PI2 BPSK	135	138	22.05			24.0	0.0	
100	PI2 BPSK	270	0	22.07					24.0
100	QPSK	1	1	23.03					24.0
100	QPSK	1	137	21.02					24.0
100	QPSK	1	271	22.00					24.0
100	QPSK	135	0	22.01			24.0	0.0	
100	QPSK	135	69	22.05					24.0
100	QPSK	135	138	22.04					24.0
100	QPSK	270	0	23.02					24.0
100	16QAM	1	1	22.01					24.0
100	64QAM	1	1	22.05			24.0	0.0	
100	256QAM	1	1	21.74			22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.05	22.08	23.01	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.30	22.08	22.02	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.03	22.08	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.02	22.05	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.02	22.08	22.09	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.04	22.05	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.06	22.05	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.08	22.03	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.08	22.01	22.05	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.09	22.02	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.03	22.05	22.05	24.0	0.0	

Part27Q_n78_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	3492.91	3492.91	3492.91			
100	PI2 BPSK	1	137	20.32					
100	PI2 BPSK	1	271	20.32			21.0	0.0	
100	PI2 BPSK	135	0	20.34					21.0
100	PI2 BPSK	135	69	20.32					21.0
100	PI2 BPSK	135	138	20.36			21.0	0.0	
100	PI2 BPSK	270	0	20.34					21.0
100	QPSK	1	1	20.40					21.0
100	QPSK	1	137	20.31					21.0
100	QPSK	1	271	20.25					21.0
100	QPSK	135	0	20.28			21.0	0.0	
100	QPSK	135	69	20.25					21.0
100	QPSK	135	138	20.30					21.0
100	QPSK	270	0	20.34					21.0
100	16QAM	1	1	20.21					21.0
100	64QAM	1	1	20.30			21.0	0.0	
100	256QAM	1	1	20.28			21.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.34	20.34	20.35	21.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.38	20.28	20.35	21.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.20	20.32	20.34	21.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.25	20.27	20.23	21.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.35	20.22	20.31	21.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.35	20.23	20.29	21.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.35	20.23	20.35	21.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.27	20.31	20.23	21.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.26	20.22	20.34	21.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.27	20.30	20.28	21.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.21	20.31	20.28	21.0	0.0	



Part27O_n78(HPUE)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				23.19	23.19	23.19		
100	PI2 BPSK	1	1	23.28	23.28	23.28	24.0	0.0
100	PI2 BPSK	1	137	23.28	23.28	23.28	24.0	0.0
100	PI2 BPSK	1	271	23.28	23.28	23.28	24.0	0.0
100	PI2 BPSK	135	0	23.21	23.21	23.21	24.0	0.0
100	PI2 BPSK	135	69	23.21	23.21	23.21	24.0	0.0
100	PI2 BPSK	135	138	23.18	23.18	23.18	24.0	0.0
100	PI2 BPSK	270	0	23.22	23.22	23.22	24.0	0.0
100	QPSK	1	1	23.30	23.30	23.30	24.0	0.0
100	QPSK	1	137	23.28	23.28	23.28	24.0	0.0
100	QPSK	1	271	23.28	23.28	23.28	24.0	0.0
100	QPSK	135	0	23.15	23.15	23.15	24.0	0.0
100	QPSK	135	69	23.15	23.15	23.15	24.0	0.0
100	QPSK	135	138	23.16	23.16	23.16	24.0	0.0
100	QPSK	270	0	23.26	23.26	23.26	24.0	0.0
100	BQAM	1	1	23.23	23.23	23.23	24.0	0.0
100	BQAM	1	1	23.27	23.27	23.27	24.0	0.0
100	BQAM	1	1	21.85	21.85	22.5	22.5	1.5
Channel								
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.21	23.16	23.23	24.0	0.0
Channel								
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	23.21	23.16	23.22	24.0	0.0
Channel								
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.21	23.14	23.12	24.0	0.0
Channel								
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	23.28	23.10	23.22	24.0	0.0
Channel								
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	23.28	23.24	23.26	24.0	0.0
Channel								
Frequency (MHz)				3720	3750	3760		
40	QPSK	1	1	23.24	23.14	23.23	24.0	0.0
Channel								
Frequency (MHz)				3715.02	3750	3764.98		
30	QPSK	1	1	23.29	23.12	23.22	24.0	0.0
Channel								
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.16	23.24	23.13	24.0	0.0
Channel								
Frequency (MHz)				3710.51	3750	3789.50		
20	QPSK	1	1	23.28	23.11	23.22	24.0	0.0
Channel								
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	23.18	23.11	23.22	24.0	0.0
Channel								
Frequency (MHz)				3705	3750	3799		
10	QPSK	1	1	23.16	23.16	23.13	24.0	0.0



Part27Q_n78_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.30	19.30	19.30			
100	PI2 BPSK	1	137	19.21					
100	PI2 BPSK	1	271	19.28			20.0	0.0	
100	PI2 BPSK	135	0	19.32					
100	PI2 BPSK	135	69	19.30			20.0	0.0	
100	PI2 BPSK	135	138	19.28			20.0	0.0	
100	PI2 BPSK	270	0	19.19					
100	QPSK	1	1	19.33					
100	QPSK	1	137	19.16			20.0	0.0	
100	QPSK	1	271	19.23					
100	QPSK	135	0	19.31			20.0	0.0	
100	QPSK	135	69	19.30			20.0	0.0	
100	QPSK	135	138	19.28			20.0	0.0	
100	QPSK	270	0	19.25					
100	64QAM	1	1	19.21			20.0	0.0	
100	64QAM	1	1	19.25			20.0	0.0	
100	256QAM	1	1	19.27			20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.08	19.17	19.25	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.14	19.25	19.30	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	18.20	19.30	19.30	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.09	19.22	19.27	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.09	19.25	19.28	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.16	19.24	19.16	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.10	19.30	19.16	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.20	19.19	19.14	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.19	19.31	19.15	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.06	19.26	19.23	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.19	19.22	19.24	20.0	0.0	

Part27Q_n78(HPUe)_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.08	22.08	22.08			
100	PI2 BPSK	1	137	22.12			23.0	0.0	
100	PI2 BPSK	1	271	22.08					
100	PI2 BPSK	135	0	22.12			23.0	0.0	
100	PI2 BPSK	135	69	22.08			23.0	0.0	
100	PI2 BPSK	135	138	22.08			23.0	0.0	
100	PI2 BPSK	270	0	22.19					
100	QPSK	1	1	22.27					
100	QPSK	1	137	22.14			23.0	0.0	
100	QPSK	1	271	22.10					
100	QPSK	135	0	22.21			23.0	0.0	
100	QPSK	135	69	22.25			23.0	0.0	
100	QPSK	135	138	22.14			23.0	0.0	
100	QPSK	270	0	22.15					
100	64QAM	1	1	22.16			23.0	0.0	
100	64QAM	1	1	22.16			23.0	0.0	
100	256QAM	1	1	22.13	22.13	22.13	22.5	0.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	22.21	22.09	21.97	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.10	22.07	22.06	23.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	22.20	22.10	22.04	23.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.20	22.14	22.05	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.14	22.03	22.03	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.13	22.04	22.08	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.11	22.15	22.02	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	22.16	22.09	22.03	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.16	22.09	22.09	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	22.08	22.15	22.03	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	22.16	22.14	22.09	23.0	0.0	

Part27Q_n78_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	19.16	19.16	19.16			
100	PI2 BPSK	1	137	19.23			20.0	0.0	
100	PI2 BPSK	1	271	19.27					
100	PI2 BPSK	135	0	19.17			20.0	0.0	
100	PI2 BPSK	135	69	19.21			20.0	0.0	
100	PI2 BPSK	135	138	19.23			20.0	0.0	
100	PI2 BPSK	270	0	19.17					
100	QPSK	1	1	19.30					
100	QPSK	1	137	19.29			20.0	0.0	
100	QPSK	1	271	19.19					
100	QPSK	135	0	19.23			20.0	0.0	
100	QPSK	135	69	19.28			20.0	0.0	
100	QPSK	135	138	19.25			20.0	0.0	
100	QPSK	270	0	19.21					
100	64QAM	1	1	19.15			20.0	0.0	
100	64QAM	1	1	19.19			20.0	0.0	
100	256QAM	1	1	19.29	19.29	19.29	20.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	19.20	19.21	19.08	20.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.19	19.20	19.05	20.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	19.07	19.22	19.01	20.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	19.16	19.17	19.02	20.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	19.10	19.15	19.14	20.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	19.13	19.15	19.14	20.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	19.10	19.16	19.00	20.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	19.07	19.22	19.02	20.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	19.12	19.14	19.09	20.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	19.10	19.19	19.09	20.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	19.13	19.14	19.07	20.0	0.0	



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Min. Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
	Channel			61.8	66000			
	Frequency (MHz)							
100	RUZ BPSK	1	1	22.00				
100	RUZ BPSK	1	137	22.08			23.0	0.0
100	RUZ BPSK	1	271	22.00				
100	RUZ BPSK	135	0	22.10			23.0	0.0
100	RUZ BPSK	135	69	22.01				
100	RUZ BPSK	135	138	22.11			23.0	0.0
100	RUZ BPSK	270	0	22.12				
100	QPSK	1	1	22.13				
100	QPSK	1	137	22.08			23.0	0.0
100	QPSK	1	271	22.12				
100	QPSK	135	0	22.02			23.0	0.0
100	QPSK	135	69	22.1				
100	QPSK	135	138	22.04			23.0	0.0
100	QPSK	270	0	22.09				
100	BQAM	1	1	22.01			23.0	0.0
100	BQAM	1	1	22.02			23.0	0.0
100	BQAM	1	1	21.80	65000	65000	22.5	0.5
	Channel			64868	65000	65000	23.0	0.0
	Frequency (MHz)			3745.02	3750	3754.98		
90	QPSK	1	1	21.90	21.95	21.95	23.0	0.0
	Channel			64834	65000	65000	23.0	0.0
	Frequency (MHz)			3740.01	3750	3759.99		
80	QPSK	1	1	21.95	21.91	21.90	23.0	0.0
	Channel			64800	65000	65000	23.0	0.0
	Frequency (MHz)			3735	3750	3765		
70	QPSK	1	1	21.95	21.90	21.91	23.0	0.0
	Channel			64766	65000	65000	23.0	0.0
	Frequency (MHz)			3730.02	3750	3769.98		
60	QPSK	1	1	21.87	21.91	21.91	23.0	0.0
	Channel			64732	65000	65000	23.0	0.0
	Frequency (MHz)			3725.01	3750	3774.99		
50	QPSK	1	1	21.94	22.01	21.89	23.0	0.0
	Channel			64698	65000	65000	23.0	0.0
	Frequency (MHz)			3720	3750	3760		
40	QPSK	1	1	21.96	22.03	21.93	23.0	0.0
	Channel			64664	65000	65000	23.0	0.0
	Frequency (MHz)			3715.02	3750	3764.98		
30	QPSK	1	1	21.88	21.91	22.01	23.0	0.0
	Channel			64630	65000	65000	23.0	0.0
	Frequency (MHz)			3710.51	3750	3787.5		
25	QPSK	1	1	21.88	21.90	21.99	23.0	0.0
	Channel			64596	65000	65000	23.0	0.0
	Frequency (MHz)			3710.51	3750	3789.50		
20	QPSK	1	1	21.88	22.02	21.90	23.0	0.0
	Channel			64562	65000	65000	23.0	0.0
	Frequency (MHz)			3707.52	3750	3792.48		
15	QPSK	1	1	21.88	21.93	21.90	23.0	0.0
	Channel			64528	65000	65000	23.0	0.0
	Frequency (MHz)			3705	3750	3799		
10	QPSK	1	1	21.97	21.97	21.95	23.0	0.0



Part27Q_n78_Ant 6							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
100	PI2 BPSK	1	1	17.40	17.40	17.40	0.0
100	PI2 BPSK	1	137	17.44	17.44	17.44	18.5
100	PI2 BPSK	1	271	17.41	17.41	17.41	0.0
100	PI2 BPSK	135	0	17.53	17.53	17.53	18.5
100	PI2 BPSK	135	69	17.44	17.44	17.44	18.5
100	PI2 BPSK	135	138	17.49	17.49	17.49	18.5
100	PI2 BPSK	270	0	17.52	17.52	17.52	0.0
100	QPSK	1	1	17.55	17.55	17.55	0.0
100	QPSK	1	137	17.44	17.44	17.44	18.5
100	QPSK	1	271	17.45	17.45	17.45	0.0
100	QPSK	135	0	17.44	17.44	17.44	18.5
100	QPSK	135	69	17.52	17.52	17.52	18.5
100	QPSK	135	138	17.51	17.51	17.51	18.5
100	QPSK	270	0	17.46	17.46	17.46	0.0
100	8QAM	1	1	17.48	17.48	17.48	18.5
100	8QAM	1	1	17.47	17.47	17.47	18.5
100	25QAM	1	1	17.49	17.49	17.49	18.5
Channel							
90	QPSK	1	1	17.32	17.32	17.32	18.5
Channel							
80	QPSK	1	1	17.39	17.39	17.39	18.5
Channel							
70	QPSK	1	1	17.34	17.34	17.34	18.5
Channel							
60	QPSK	1	1	17.37	17.37	17.37	18.5
Channel							
50	QPSK	1	1	17.36	17.36	17.36	18.5
Channel							
40	QPSK	1	1	17.39	17.39	17.39	18.5
Channel							
30	QPSK	1	1	17.46	17.46	17.46	18.5
Channel							
25	QPSK	1	1	17.44	17.44	17.44	18.5
Channel							
20	QPSK	1	1	17.53	17.53	17.53	18.5
Channel							
15	QPSK	1	1	17.57	17.57	17.57	18.5
Channel							
10	QPSK	1	1	17.57	17.57	17.57	18.5

Part27Q_n78(HPUE)_Ant 6							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
100	PI2 BPSK	1	1	20.48	20.48	20.48	0.0
100	PI2 BPSK	1	137	20.53	20.53	20.53	21.5
100	PI2 BPSK	1	271	20.57	20.57	20.57	0.0
100	PI2 BPSK	135	0	20.49	20.49	20.49	21.5
100	PI2 BPSK	135	69	20.52	20.52	20.52	21.5
100	PI2 BPSK	135	138	20.48	20.48	20.48	21.5
100	PI2 BPSK	270	0	20.52	20.52	20.52	0.0
100	QPSK	1	1	20.58	20.58	20.58	0.0
100	QPSK	1	137	20.57	20.57	20.57	21.5
100	QPSK	1	271	20.48	20.48	20.48	0.0
100	QPSK	135	0	20.50	20.50	20.50	21.5
100	QPSK	135	69	20.59	20.59	20.59	21.5
100	QPSK	135	138	20.52	20.52	20.52	21.5
100	QPSK	270	0	20.53	20.53	20.53	0.0
100	16QAM	1	1	20.56	20.56	20.56	21.5
100	16QAM	1	1	20.50	20.50	20.50	21.5
100	25QAM	1	1	20.52	20.52	20.52	21.5
Channel							
90	QPSK	1	1	20.35	20.37	20.39	21.5
Channel							
80	QPSK	1	1	20.38	20.39	20.40	21.5
Channel							
70	QPSK	1	1	20.45	20.33	20.45	21.5
Channel							
60	QPSK	1	1	20.45	20.34	20.42	21.5
Channel							
50	QPSK	1	1	20.42	20.33	20.44	21.5
Channel							
40	QPSK	1	1	20.40	20.30	20.44	21.5
Channel							
30	QPSK	1	1	20.44	20.35	20.39	21.5
Channel							
25	QPSK	1	1	20.23	20.43	20.48	21.5
Channel							
20	QPSK	1	1	20.37	20.43	20.49	21.5
Channel							
15	QPSK	1	1	20.47	20.30	20.43	21.5
Channel							
10	QPSK	1	1	20.20	20.41	20.45	21.5

Part27Q_n78_Ant 6							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	MPR (dB)
Channel							
100	PI2 BPSK	1	1	17.71	17.71	17.71	0.0
100	PI2 BPSK	1	137	17.71	17.71	17.71	18.5
100	PI2 BPSK	1	271	17.64	17.64	17.64	0.0
100	PI2 BPSK	135	0	17.68	17.68	17.68	18.5
100	PI2 BPSK	135	69	17.71	17.71	17.71	18.5
100	PI2 BPSK	135	138	17.62	17.62	17.62	18.5
100	PI2 BPSK	270	0	17.68	17.68	17.68	0.0
100	QPSK	1	1	17.75	17.75	17.75	0.0
100	QPSK	1	137	17.65	17.65	17.65	18.5
100	QPSK	1	271	17.60	17.60	17.60	0.0
100	QPSK	135	0	17.60	17.60	17.60	18.5
100	QPSK	135	69	17.75	17.75	17.75	18.5
100	QPSK	135	138	17.70	17.70	17.70	18.5
100	QPSK	270	0	17.67	17.67	17.67	0.0
100	16QAM	1	1	17.74	17.74	17.74	18.5
100	16QAM	1	1	17.68	17.68	17.68	18.5
100	25QAM	1	1	17.69	17.69	17.69	18.5
Channel							
90	QPSK	1	1	17.62	17.61	17.59	18.5
Channel							
80	QPSK	1	1	17.64	17.62	17.61	18.5
Channel							
70	QPSK	1	1	17.60	17.53	17.55	18.5
Channel							
60	QPSK	1	1	17.67	17.53	17.50	18.5
Channel							
50	QPSK	1	1	17.56	17.62	17.56	18.5
Channel							
40	QPSK	1	1	17.62	17.54	17.61	18.5
Channel							
30	QPSK	1	1	17.60	17.59	17.62	18.5
Channel							
25	QPSK	1	1	17.84	17.59	17.62	18.5
Channel							
20	QPSK	1	1	17.68	17.57	17.61	18.5
Channel							
15	QPSK	1	1	17.69	17.54	17.62	18.5
Channel							
10	QPSK	1	1	17.55	17.65	17.62	18.5



Part270_n78(HPUE)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPSR (dB)
	Channel				66000			
	Frequency (MHz)				20.50			
100	Pi2-BPSK	1	1		20.50		21.5	0.0
100	Pi2-BPSK	1	137		20.50		21.5	0.0
100	Pi2-BPSK	1	271		20.48		21.5	0.0
100	Pi2-BPSK	135	0		20.52		21.5	0.0
100	Pi2-BPSK	135	69		20.44		21.5	0.0
100	Pi2-BPSK	135	138		20.49		21.5	0.0
100	Pi2-BPSK	270	0		20.48		21.5	0.0
100	QPSK	1	1		20.57			
100	QPSK	1	137		20.53		21.5	0.0
100	QPSK	1	271		20.48		21.5	0.0
100	QPSK	135	0		20.42		21.5	0.0
100	QPSK	135	69		20.47		21.5	0.0
100	QPSK	135	138		20.44		21.5	0.0
100	QPSK	270	0		20.48		21.5	0.0
100	16QAM	1	1		20.48		21.5	0.0
100	64QAM	1	1		20.49		21.5	0.0
100	256QAM	1	1		20.50		21.5	0.0
	Channel			36980	37000	37020		
	Frequency (MHz)			3745.02	3750	3754.98		
90	QPSK	1	1	20.47	20.37	20.43	21.5	0.0
	Channel			37020	37050	37080		
	Frequency (MHz)			3740.01	3750	3759.99		
80	QPSK	1	1	20.40	20.41	20.38	21.5	0.0
	Channel			36950	37000	37050		
	Frequency (MHz)			3735	3750	3765		
70	QPSK	1	1	20.47	20.44	20.38	21.5	0.0
	Channel			36950	37000	37050		
	Frequency (MHz)			3730.02	3750	3759.98		
60	QPSK	1	1	20.46	20.41	20.46	21.5	0.0
	Channel			36950	37000	37050		
	Frequency (MHz)			3720.01	3750	3774.99		
50	QPSK	1	1	20.62	20.47	20.41	21.5	0.0
	Channel			36900	37000	37000		
	Frequency (MHz)			3720	3750	3760		
40	QPSK	1	1	20.54	20.46	20.48	21.5	0.0
	Channel			36950	37000	37050		
	Frequency (MHz)			3718.02	3750	3764.98		
30	QPSK	1	1	20.54	20.41	20.44	21.5	0.0
	Channel			36900	37000	37050		
	Frequency (MHz)			3712.5	3750	3767.5		
25	QPSK	1	1	20.43	20.40	20.37	21.5	0.0
	Channel			36900	37000	37050		
	Frequency (MHz)			3710.01	3750	3769.99		
20	QPSK	1	1	20.46	20.40	20.42	21.5	0.0
	Channel			36900	37000	37050		
	Frequency (MHz)			3707.52	3750	3762.48		
15	QPSK	1	1	20.44	20.48	20.49	21.5	0.0
	Channel			36900	37000	37050		
	Frequency (MHz)			3705	3750	3705		
10	QPSK	1	1	20.41	20.44	20.48	21.5	0.0



Part27Q_n78_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.10	21.19	21.22	22.0	0.0	
100	PI2 BPSK	1	137	21.22					
100	PI2 BPSK	1	271	21.13					
100	PI2 BPSK	135	0	21.14					
100	PI2 BPSK	135	69	21.24					
100	PI2 BPSK	135	138	21.14					
100	PI2 BPSK	270	0	21.13					
100	QPSK	1	1	21.25					
100	QPSK	1	137	21.21					
100	QPSK	1	271	21.20					
100	QPSK	135	0	21.23					
100	QPSK	135	69	21.24					
100	QPSK	135	138	21.10					
100	QPSK	270	0	21.20					
100	16QAM	1	1	21.19					
100	64QAM	1	1	21.15					
100	256QAM	1	1	21.18					
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.05	21.12	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.88	21.12	21.07	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.88	21.09	21.07	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.01	21.15	21.14	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.98	21.12	21.14	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.04	21.13	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.03	21.15	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.05	21.16	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.06	21.09	21.10	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.01	21.22	21.14	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.03	21.16	21.14	22.0	0.0	

Part27Q_n78(HPUe)_Ant 8									
BW (MHz)	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	24.04	24.09	24.04	25.0	0.0	
100	PI2 BPSK	1	137	24.09					
100	PI2 BPSK	1	271	24.06					
100	PI2 BPSK	135	0	24.05					
100	PI2 BPSK	135	69	24.04					
100	PI2 BPSK	135	138	24.06					
100	PI2 BPSK	270	0	24.05					
100	QPSK	1	1	24.13					
100	QPSK	1	137	24.09					
100	QPSK	1	271	24.09					
100	QPSK	135	0	24.01					
100	QPSK	135	69	24.02					
100	QPSK	135	138	24.11					
100	QPSK	270	0	24.04					
100	16QAM	1	1	24.05					
100	64QAM	1	1	23.63					
100	256QAM	1	1	21.57	23.72	23.68	22.5	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	24.02	24.11	23.97	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	24.10	24.07	24.00	25.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	24.08	24.05	24.02	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	24.07	24.01	23.94	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	24.02	24.05	24.07	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	24.10	24.00	24.05	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	24.11	24.09	24.08	25.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	24.06	24.07	24.00	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	24.02	24.03	24.00	25.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	24.08	23.90	24.02	25.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.99	24.08	24.00	25.0	0.0	

Part27Q_n78_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	21.31	21.31	21.31	22.0	0.0	
100	PI2 BPSK	1	137	21.19					
100	PI2 BPSK	1	271	21.26					
100	PI2 BPSK	135	0	21.26					
100	PI2 BPSK	135	69	21.25					
100	PI2 BPSK	135	138	21.24					
100	PI2 BPSK	270	0	21.18					
100	QPSK	1	1	21.32					
100	QPSK	1	137	21.29					
100	QPSK	1	271	21.23					
100	QPSK	135	0	21.17					
100	QPSK	135	69	21.26					
100	QPSK	135	138	21.19					
100	QPSK	270	0	21.25					
100	16QAM	1	1	21.26					
100	64QAM	1	1	21.17					
100	256QAM	1	1	21.22	23.02	23.02	22.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.28	21.08	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.18	21.17	21.08	22.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	21.27	21.06	21.17	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.20	21.14	21.12	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.21	21.09	21.14	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.26	21.15	21.14	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.20	21.07	21.17	22.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	21.24	21.19	21.13	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.22	21.20	21.15	22.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	21.21	21.16	21.09	22.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	21.20	21.19	21.07	22.0	0.0	



Part270_n78(HPUE)_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				58888	59000	59212		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	24.15	24.06	24.09	25.0	0.0
Channel				61832	62000	62168		
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	24.10	24.11	24.17	25.0	0.0
Channel				64788	65000	65212		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	24.17	24.08	24.22	25.0	0.0
Channel				67744	68000	68260		
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	24.14	24.05	24.18	25.0	0.0
Channel				70700	71000	71300		
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	24.16	24.03	24.10	25.0	0.0
Channel				73656	74000	74300		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.07	24.15	24.19	25.0	0.0
Channel				76612	77000	77388		
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	24.05	24.05	24.17	25.0	0.0
Channel				79568	80000	80400		
Frequency (MHz)				3712.8	3750	3787.5		
25	QPSK	1	1	24.18	24.07	24.12	25.0	0.0
Channel				82524	83000	83400		
Frequency (MHz)				3710.01	3750	3789.99		
20	QPSK	1	1	24.08	24.01	24.22	25.0	0.0
Channel				85480	86000	86500		
Frequency (MHz)				3707.52	3750	3792.48		
15	QPSK	1	1	24.13	24.08	24.18	25.0	0.0
Channel				88436	89000	89500		
Frequency (MHz)				3705	3750	3765		
10	QPSK	1	1	24.14	24.14	24.03	25.0	0.0



n2_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				37500	37600	37900			
Frequency (MHz)				1870	1880	1890			
40	PI2 BPSK	1	1	19.73	19.90	19.70			
40	PI2 BPSK	1	108	19.74	19.92	19.78	21.0	0.0	
40	PI2 BPSK	1	214	19.74	19.79	19.69			
40	PI2 BPSK	108	0	19.77	19.92	19.74	21.0	0.0	
40	PI2 BPSK	108	84	19.81	19.86	19.79	21.0	0.0	
40	PI2 BPSK	108	108	19.76	19.81	19.69			
40	PI2 BPSK	216	0	19.87	19.79	19.77	21.0	0.0	
40	QPSK	1	1	19.85	19.93	19.81			
40	QPSK	1	108	19.85	19.92	19.75	21.0	0.0	
40	QPSK	1	214	19.85	19.84	19.78			
40	QPSK	108	0	19.81	19.82	19.76	21.0	0.0	
40	QPSK	108	84	19.85	19.90	19.77	21.0	0.0	
40	QPSK	108	108	19.84	19.88	19.72	21.0	0.0	
40	QPSK	216	0	19.82	19.87	19.78			
40	16QAM	1	1	19.92	19.88	19.86	21.0	0.0	
40	64QAM	1	1	19.80	19.81	19.70	21.0	0.0	
40	256QAM	1	1	18.17	18.27	18.24	19.5	1.5	
Channel				37500	37600	37900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1870.5	1880	1892.5			
35	QPSK	1	1	19.83	19.92	19.79	21.0	0.0	
Channel				37500	37600	37900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1895			
30	QPSK	1	1	19.73	19.85	19.70	21.0	0.0	
Channel				37500	37600	37900	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1897.5			
25	QPSK	1	1	19.79	19.92	19.72	21.0	0.0	
Channel				37200	37600	38000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1898	1905			
20	QPSK	1	1	19.79	19.92	19.80	21.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1897.5	1898	1902.5			
15	QPSK	1	1	19.75	19.87	19.75	21.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1895	1899	1905			
10	QPSK	1	1	19.76	19.84	19.75	21.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1892.5	1899	1907.5			
5	QPSK	1	1	19.76	19.84	19.77	21.0	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				16680	16700	16760			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.89	22.86			
20	PI2 BPSK	1	53	22.80	22.83	22.74	24.0	0.0	
20	PI2 BPSK	1	104	22.76	22.76	22.70			
20	PI2 BPSK	50	0	22.29	22.42	22.33	23.5	0.5	
20	PI2 BPSK	50	28	22.78	22.86	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.28	22.40	22.28			
20	PI2 BPSK	100	0	22.37	22.46	22.32	23.5	0.5	
20	QPSK	1	1	22.57	22.50	22.51			
20	QPSK	1	53	22.70	22.83	22.74	24.0	0.0	
20	QPSK	1	104	22.80	22.87	22.80			
20	QPSK	50	0	21.93	22.04	22.02	23.0	1.0	
20	QPSK	50	28	22.53	22.87	22.56	24.0	0.0	
20	QPSK	50	56	21.99	22.02	22.01			
20	QPSK	100	0	21.84	21.96	21.88	23.0	1.0	
20	16QAM	1	1	21.97	22.01	21.90	23.0	1.0	
20	64QAM	1	1	20.40	20.50	20.37	21.5	2.5	
20	256QAM	1	1	18.82	18.89	18.48	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	22.81	22.76	22.70	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.77	22.75	22.75	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				856.5	836.5	856.5			
5	QPSK	1	1	22.72	22.79	22.73	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				16680	16700	16760			
Frequency (MHz)				834	836.5	839			
20	PI2 BPSK	1	1	22.86	22.77	22.83			
20	PI2 BPSK	1	53	22.80	22.74	22.59	24.0	0.0	
20	PI2 BPSK	1	104	22.82	22.70	22.85			
20	PI2 BPSK	50	0	22.28	22.33	22.32	23.5	0.5	
20	PI2 BPSK	50	28	22.70	22.76	22.81	24.0	0.0	
20	PI2 BPSK	50	56	22.15	22.28	22.19			
20	PI2 BPSK	100	0	22.20	22.35	22.34	23.5	0.5	
20	QPSK	1	1	22.75	22.80	22.72			
20	QPSK	1	53	22.80	22.73	22.81	24.0	0.0	
20	QPSK	1	104	22.73	22.75	22.63			
20	QPSK	50	0	21.82	21.88	21.74	23.0	1.0	
20	QPSK	50	28	22.52	22.77	22.57	24.0	0.0	
20	QPSK	50	56	21.82	21.86	21.85			
20	QPSK	100	0	21.75	21.80	21.76	23.0	1.0	
20	16QAM	1	1	21.87	21.86	21.86	23.0	1.0	
20	64QAM	1	1	20.35	20.38	20.25	21.5	2.5	
20	256QAM	1	1	18.43	18.45	18.34	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	22.70	22.73	22.61	24.0	0.0	
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.61	22.73	22.63	24.0	0.0	
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				856.5	836.5	856.5			
5	QPSK	1	1	22.70	22.70	22.57	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				2620	2635	2650		
40	PlZ BPSK	1	1	23.32	23.40	23.28		
40	PlZ BPSK	1	108	23.24	23.32	23.20	24.0	0.0
40	PlZ BPSK	1	214	23.36	23.38	23.29		
40	PlZ BPSK	108	0	22.78	22.85	22.75	23.5	0.5
40	PlZ BPSK	108	54	23.30	23.34	23.31	24.0	0.0
40	PlZ BPSK	108	108	22.77	22.88	22.86		
40	PlZ BPSK	216	0	22.85	22.90	22.86	23.5	0.5
40	QPSK	1	1	23.44	23.45	23.42		
40	QPSK	1	108	23.30	23.39	23.24	24.0	0.0
40	QPSK	1	214	23.23	23.33	23.21		
40	QPSK	108	0	22.32	22.39	22.34	23.0	1.0
40	QPSK	108	54	23.26	23.41	23.35	24.0	0.0
40	QPSK	108	108	22.32	22.38	22.36		
40	QPSK	216	0	22.26	22.40	22.37	23.0	1.0
40	16QAM	1	1	22.86	22.93	22.84	21.5	2.5
40	256QAM	1	1	18.77	18.88	18.73	19.5	4.5
Channel								
Frequency (MHz)				50300	50700	510500	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	23.32	23.39	23.31	24.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	23.35	23.40	23.36	24.0	0.0
Channel								
Frequency (MHz)				502000	507000	511500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	25.12.5	26.35	26.7.5	24.0	0.0
Channel								
Frequency (MHz)				50300	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	23.29	23.30	23.31	24.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	25.7.5	26.3	26.2.5	24.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	23.35	23.31	23.30	24.0	0.0
Channel								
Frequency (MHz)				2502.5	26.35	26.7.5	24.0	0.0
5	QPSK	1	1	23.36	23.31	23.31	24.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				2620	2635	2650		
40	PlZ BPSK	1	1	21.08	21.17	21.12		
40	PlZ BPSK	1	108	21.09	21.07	21.17	22.0	0.0
40	PlZ BPSK	1	214	21.06	21.14	21.09		
40	PlZ BPSK	108	0	21.01	21.20	21.19	22.0	0.0
40	PlZ BPSK	108	54	21.00	21.10	21.13	22.0	0.0
40	PlZ BPSK	108	108	21.02	21.17	21.18		
40	PlZ BPSK	216	0	21.02	21.10	21.09	22.0	0.0
40	QPSK	1	1	21.15	21.22	21.20		
40	QPSK	1	108	21.14	21.09	21.14	22.0	0.0
40	QPSK	1	214	21.09	21.08	21.17		
40	QPSK	108	0	21.02	21.13	21.14	22.0	0.0
40	QPSK	108	54	21.15	21.19	21.16	22.0	0.0
40	QPSK	108	108	21.10	21.07	21.11	22.0	0.0
40	QPSK	216	0	21.09	21.14	21.11	22.0	0.0
40	16QAM	1	1	21.13	21.16	21.06	22.0	0.0
40	64QAM	1	1	20.34	20.65	20.81	21.5	0.5
40	256QAM	1	1	18.58	18.66	18.57	19.5	2.5
Channel								
Frequency (MHz)				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	21.07	21.16	21.19	22.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	21.07	21.11	21.13	22.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	21.13	21.10	21.17	22.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	21.08	21.17	21.09	22.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	21.02	21.07	21.08	22.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	21.00	21.21	21.10	22.0	0.0
Channel								
Frequency (MHz)				2502.5	26.35	26.7.5	22.0	0.0
5	QPSK	1	1	21.01	21.17	21.14	22.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel								
Frequency (MHz)				2620	2635	2650		
40	PlZ BPSK	1	1	17.29	17.27	17.27		
40	PlZ BPSK	1	108	17.23	17.31	17.23	18.0	0.0
40	PlZ BPSK	1	214	17.29	17.26	17.28		
40	PlZ BPSK	108	0	17.16	17.34	17.18	18.0	0.0
40	PlZ BPSK	108	54	17.15	17.30	17.20	18.0	0.0
40	PlZ BPSK	108	108	17.24	17.30	17.20		
40	PlZ BPSK	216	0	17.15	17.30	17.17	18.0	0.0
40	QPSK	1	1	17.36	17.37	17.32		
40	QPSK	1	108	17.16	17.36	17.20	18.0	0.0
40	QPSK	1	214	17.27	17.36	17.18		
40	QPSK	108	0	17.16	17.28	17.19	18.0	0.0
40	QPSK	108	54	17.21	17.30	17.25	18.0	0.0
40	QPSK	108	108	17.19	17.26	17.17		
40	QPSK	216	0	17.15	17.24	17.19	18.0	0.0
40	16QAM	1	1	17.22	17.33	17.26	18.0	0.0
40	64QAM	1	1	17.28	17.30	17.21	18.0	0.0
40	256QAM	1	1	17.27	17.22	17.26	18.0	0.0
Channel								
Frequency (MHz)				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
35	QPSK	1	1	17.16	17.30	17.18	18.0	0.0
Channel								
Frequency (MHz)				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	17.24	17.23	17.18	18.0	0.0
Channel								
Frequency (MHz)				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
25	QPSK	1	1	17.19	17.32	17.20	18.0	0.0
Channel								
Frequency (MHz)				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	17.28	17.31	17.22	18.0	0.0
Channel								
Frequency (MHz)				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
15	QPSK	1	1	17.21	17.33	17.22	18.0	0.0
Channel								
Frequency (MHz)				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	1	17.15	17.35	17.26	18.0	0.0
Channel								
Frequency (MHz)				2502.5	26.35	26.7.5	18.0	0.0
5	QPSK	1	1	17.16	17.32	17.28	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				50000	50000	51000			
Frequency (MHz)				2500	2535	2560			
40	Pl2 BPSK	1	1	18.99	18.95	18.91			
40	Pl2 BPSK	1	108	18.80	18.94	18.80	20.0	0.0	
40	Pl2 BPSK	1	214	18.91	18.93	18.92			
40	Pl2 BPSK	108	0	18.88	18.92	18.91	20.0	0.0	
40	Pl2 BPSK	108	54	18.80	18.89	18.84	20.0	0.0	
40	Pl2 BPSK	108	108	18.90	18.91	18.87			
40	Pl2 BPSK	216	0	18.89	18.85	18.89	20.0	0.0	
40	QPSK	1	1	18.93	18.90	18.92			
40	QPSK	1	108	18.78	18.93	18.85	20.0	0.0	
40	QPSK	1	214	18.85	18.85	18.82			
40	QPSK	108	0	18.76	18.81	18.89	20.0	0.0	
40	QPSK	108	54	18.78	18.85	18.91	20.0	0.0	
40	QPSK	108	108	18.71	18.80	18.72	20.0	0.0	
40	QPSK	216	0	18.72	18.76	18.88			
40	16QAM	1	1	18.80	18.85	18.81	20.0	0.0	
40	16QAM	1	1	18.89	18.85	18.88	20.0	0.0	
40	256QAM	1	1	18.29	18.34	18.20	19.5	0.5	
Channel				503000	507000	510500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2517.5	2535	2552.5			
35	QPSK	1	1	18.90	18.85	18.84	20.0	0.0	
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2515	2535	2555			
30	QPSK	1	1	18.78	18.88	18.82	20.0	0.0	
Channel				502000	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2512.5	2535	2567.5			
25	QPSK	1	1	18.87	18.82	18.81	20.0	0.0	
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	1	18.85	18.88	18.79	20.0	0.0	
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	1	18.11	18.90	18.82	20.0	0.0	
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	1	18.90	18.90	18.78	20.0	0.0	
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2502.5	2535	2567.5			
5	QPSK	1	1	18.67	18.99	18.91	20.0	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				143000	141500	143000			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.82	23.05	22.91			
15	Pl2 BPSK	1	40	23.01	23.08	22.99	24.0	0.0	
15	Pl2 BPSK	1	77	22.90	23.01	22.97			
15	Pl2 BPSK	36	0	22.49	22.99	22.96	23.5	0.5	
15	Pl2 BPSK	36	22	22.98	23.00	22.91	24.0	0.0	
15	Pl2 BPSK	36	43	22.49	22.80	22.45			
15	Pl2 BPSK	75	0	22.46	22.52	22.43	23.5	0.5	
15	QPSK	1	1	23.07	23.10	22.95			
15	QPSK	1	40	22.99	23.05	22.90	24.0	0.0	
15	QPSK	1	77	22.98	23.02	22.92			
15	QPSK	36	0	22.80	22.02	22.00	23.0	1.0	
15	QPSK	36	22	22.95	23.06	22.93	24.0	0.0	
15	QPSK	36	43	21.91	21.92	21.91			
15	QPSK	75	0	21.91	21.86	21.83	23.0	1.0	
15	16QAM	1	1	21.84	22.08	21.99	23.0	1.0	
15	16QAM	1	1	20.80	20.72	20.84	21.5	2.5	
15	256QAM	1	1	18.84	18.55	18.54	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.99	22.96	22.82	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.95	23.02	22.89	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				143000	141500	143000			
Frequency (MHz)				706.5	707.5	708.5			
15	Pl2 BPSK	1	1	22.72	22.85	22.79			
15	Pl2 BPSK	1	40	22.68	22.80	22.74	24.0	0.0	
15	Pl2 BPSK	1	77	22.73	22.78	22.69			
15	Pl2 BPSK	36	0	22.32	22.43	22.35	23.5	0.5	
15	Pl2 BPSK	36	22	22.72	22.77	22.62	24.0	0.0	
15	Pl2 BPSK	36	43	22.33	22.48	22.36			
15	Pl2 BPSK	75	0	22.32	22.45	22.35	23.5	0.5	
15	QPSK	1	1	22.84	22.90	22.83			
15	QPSK	1	40	22.82	22.85	22.77	24.0	0.0	
15	QPSK	1	77	22.68	22.81	22.75			
15	QPSK	36	0	21.85	21.88	21.79	23.0	1.0	
15	QPSK	36	22	22.72	22.85	22.84	24.0	0.0	
15	QPSK	36	43	21.73	21.84	21.76			
15	QPSK	75	0	21.80	21.81	21.76	23.0	1.0	
15	16QAM	1	1	21.72	21.75	21.60	23.0	1.0	
15	16QAM	1	1	20.28	20.39	20.31	21.5	2.5	
15	256QAM	1	1	18.35	18.40	18.32	19.5	4.5	
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				704	707.5	711			
10	QPSK	1	1	22.78	22.84	22.73	24.0	0.0	
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	1	22.71	22.83	22.78	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				158000				
Frequency (MHz)				795				
10	Pl2 BPSK	1	1	23.30			24.0	0.0
10	Pl2 BPSK	1	26	23.22				
10	Pl2 BPSK	1	50	23.26			23.5	0.5
10	Pl2 BPSK	25	0	22.75			24.0	0.0
10	Pl2 BPSK	25	14	23.25				
10	Pl2 BPSK	25	27	22.77			23.5	0.5
10	Pl2 BPSK	50	0	22.72				
10	QPSK	1	1	23.37			24.0	0.0
10	QPSK	1	26	23.30				
10	QPSK	1	50	23.33			23.0	1.0
10	QPSK	25	0	22.05			24.0	0.0
10	QPSK	25	14	23.26				
10	QPSK	25	27	22.10			23.0	1.0
10	QPSK	50	0	22.02				
10	16QAM	1	1	22.39			23.0	1.0
10	16QAM	1	1	20.88			21.5	2.5
10	256QAM	1	1	18.90			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				795.5	793	795.5	24.0	0.0
5	QPSK	1	1	23.32	23.29	23.25	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				158000				
Frequency (MHz)				795				
10	Pl2 BPSK	1	1	23.00			24.0	0.0
10	Pl2 BPSK	1	26	23.02				
10	Pl2 BPSK	1	50	22.96			23.5	0.5
10	Pl2 BPSK	25	0	22.58			24.0	0.0
10	Pl2 BPSK	25	14	22.99				
10	Pl2 BPSK	25	27	22.50			23.5	0.5
10	Pl2 BPSK	50	0	22.54				
10	QPSK	1	1	23.07			24.0	0.0
10	QPSK	1	26	23.03				
10	QPSK	1	50	23.00			23.0	1.0
10	QPSK	25	0	22.10			24.0	0.0
10	QPSK	25	14	22.95				
10	QPSK	25	27	22.02			23.0	1.0
10	QPSK	50	0	22.07				
10	16QAM	1	1	22.00			23.0	1.0
10	16QAM	1	1	20.44			21.5	2.5
10	256QAM	1	1	18.50			19.5	4.5
Channel				158100	158600	159100	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				795.5	793	795.5	24.0	0.0
5	QPSK	1	1	22.90	22.95	22.85	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				376000				
Frequency (MHz)				1870				
40	Pl2 BPSK	1	1	23.29	23.44	23.43	24.0	0.0
40	Pl2 BPSK	1	108	23.34	23.40	23.27		
40	Pl2 BPSK	1	214	23.34	23.37	23.34	23.5	0.5
40	Pl2 BPSK	108	0	22.83	22.98	22.95	24.0	0.0
40	Pl2 BPSK	108	54	23.33	23.48	23.34		
40	Pl2 BPSK	108	108	22.75	22.90	22.87	23.5	0.5
40	Pl2 BPSK	216	0	22.94	22.95	22.81		
40	QPSK	1	1	23.45	23.50	23.37	24.0	0.0
40	QPSK	1	108	23.32	23.41	23.34		
40	QPSK	1	214	23.31	23.45	23.33	23.0	1.0
40	QPSK	108	0	22.47	22.50	22.38	24.0	0.0
40	QPSK	108	54	23.29	23.44	23.39		
40	QPSK	108	108	22.34	22.42	22.37	23.0	1.0
40	QPSK	216	0	22.40	22.45	22.43		
40	16QAM	1	1	22.32	22.47	22.41	23.0	1.0
40	16QAM	1	1	20.88	21.00	20.88	21.5	2.5
40	256QAM	1	1	18.88	18.92	18.79	19.5	4.5
Channel				375500	376500	375500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1875.5	1872.5	1877.5	24.0	0.0
35	QPSK	1	1	23.34	23.44	23.26	24.0	0.0
Channel				376000	376500	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1825.5	1900	24.0	0.0
30	QPSK	1	1	22.38	22.39	22.39	24.0	0.0
Channel				372000	376500	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1892.5	1902.5	24.0	0.0
25	QPSK	1	1	23.31	23.38	23.25	24.0	0.0
Channel				372000	376500	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1900	1825.5	1905	24.0	0.0
20	QPSK	1	1	23.33	23.43	23.30	24.0	0.0
Channel				371500	376500	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1917.5	1825.5	1917.5	24.0	0.0
15	QPSK	1	1	23.37	23.39	23.29	24.0	0.0
Channel				371000	376500	382000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1895	1825.5	1910	24.0	0.0
10	QPSK	1	1	23.39	23.44	23.26	24.0	0.0
Channel				370500	376500	382500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1892.5	1825.5	1912.5	24.0	0.0
5	QPSK	1	1	23.31	23.35	23.30	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	MPR (dB)
Channel							
Frequency (MHz)							
1870 1882.5 1895							
40	Pi2 BPSK	1	1	2171	2173	2182	
40	Pi2 BPSK	1	108	2171	2182	2183	22.5 0.0
40	Pi2 BPSK	1	214	2170	2185	2190	
40	Pi2 BPSK	108	0	2177	2185	2172	22.5 0.0
40	Pi2 BPSK	108	54	2178	2187	2176	22.5 0.0
40	Pi2 BPSK	108	108	2175	2179	2179	22.5 0.0
40	Pi2 BPSK	216	0	2169	2179	2182	
40	QPSK	1	1	2182	2188	2185	
40	QPSK	1	108	2178	2187	2177	22.5 0.0
40	QPSK	1	214	2179	2178	2180	
40	QPSK	108	0	2173	2177	2172	22.5 0.0
40	QPSK	108	54	2177	2182	2175	22.5 0.0
40	QPSK	108	108	2176	2179	2175	22.5 0.0
40	QPSK	216	0	2178	2180	2175	
40	16QAM	1	1	2177	2184	2173	22.5 0.0
40	16QAM	1	1	2088	2090	2077	21.5 1.0
40	256QAM	1	1	1882	1888	1874	19.5 3.0
Channel							
Frequency (MHz)							
37500 37600 376500							
35	QPSK	1	1	2174	2176	2175	22.5 0.0
Channel							
Frequency (MHz)							
373000 376500 380000							
30	QPSK	1	1	2179	2182	2180	22.5 0.0
Channel							
Frequency (MHz)							
1882.5 1892.5 1897.5							
25	QPSK	1	1	2171	2180	2171	22.5 0.0
Channel							
Frequency (MHz)							
372000 376500 381000							
20	QPSK	1	1	2177	2173	2181	22.5 0.0
Channel							
Frequency (MHz)							
371500 376500 381500							
15	QPSK	1	1	2167	2173	2173	22.5 0.0
Channel							
Frequency (MHz)							
1885 1882.5 1910							
10	QPSK	1	1	2179	2182	2175	22.5 0.0
Channel							
Frequency (MHz)							
1892.5 1882.5 1912.5							
5	QPSK	1	1	2180	2183	2179	22.5 0.0

n25_Ant 2							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
1870 1882.5 1895							
40	Pi2 BPSK	1	1	1647	1654	1648	
40	Pi2 BPSK	1	108	1632	1647	1634	17.5 0.0
40	Pi2 BPSK	1	214	1647	1651	1646	
40	Pi2 BPSK	108	0	1643	1637	1619	17.5 0.0
40	Pi2 BPSK	108	54	1648	1648	1638	17.5 0.0
40	Pi2 BPSK	108	108	1636	1638	1622	17.5 0.0
40	Pi2 BPSK	216	0	1636	1635	1629	
40	QPSK	1	1	1651	1658	1650	
40	QPSK	1	108	1646	1651	1646	17.5 0.0
40	QPSK	1	214	1655	1656	1653	
40	QPSK	108	0	1646	1650	1631	17.5 0.0
40	QPSK	108	54	1654	1650	1645	17.5 0.0
40	QPSK	108	108	1641	1646	1632	17.5 0.0
40	QPSK	216	0	1644	1645	1635	
40	16QAM	1	1	1646	1653	1647	17.5 0.0
40	16QAM	1	1	1650	1659	1652	17.5 0.0
40	256QAM	1	1	1647	1661	1648	17.5 0.0
Channel							
Frequency (MHz)							
37500 37600 376500							
35	QPSK	1	1	1650	1651	1647	17.5 0.0
Channel							
Frequency (MHz)							
373000 376500 380000							
30	QPSK	1	1	1646	1658	1648	17.5 0.0
Channel							
Frequency (MHz)							
1882.5 1892.5 1902.5							
25	QPSK	1	1	1651	1651	1652	17.5 0.0
Channel							
Frequency (MHz)							
372000 376500 381000							
20	QPSK	1	1	1652	1654	1650	17.5 0.0
Channel							
Frequency (MHz)							
371500 376500 381500							
15	QPSK	1	1	1657	1657	1673	17.5 0.0
Channel							
Frequency (MHz)							
1885 1882.5 1910							
10	QPSK	1	1	1655	1662	1651	17.5 0.0
Channel							
Frequency (MHz)							
1892.5 1892.5 1912.5							
5	QPSK	1	1	1653	1656	1648	17.5 0.0

n25_Ant 3							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)							
1870 1882.5 1895							
40	Pi2 BPSK	1	1	1980	1981	1988	
40	Pi2 BPSK	1	108	1991	1996	1977	21.0 0.0
40	Pi2 BPSK	1	214	1990	1998	1998	
40	Pi2 BPSK	108	0	1988	1996	1980	21.0 0.0
40	Pi2 BPSK	108	54	1984	1995	1979	21.0 0.0
40	Pi2 BPSK	108	108	1983	1987	1991	21.0 0.0
40	Pi2 BPSK	216	0	1983	1990	1990	
40	QPSK	1	1	1994	2000	1992	
40	QPSK	1	108	1982	1998	1977	21.0 0.0
40	QPSK	1	214	1990	1995	1988	
40	QPSK	108	0	1983	1992	1988	21.0 0.0
40	QPSK	108	54	1994	1999	1991	21.0 0.0
40	QPSK	108	108	1979	1988	1985	21.0 0.0
40	QPSK	216	0	1982	1992	1981	
40	16QAM	1	1	1991	1995	1982	21.0 0.0
40	16QAM	1	1	1991	1998	1977	21.0 0.0
40	256QAM	1	1	1950	1956	1945	19.5 1.5
Channel							
Frequency (MHz)							
37500 37600 376500							
35	QPSK	1	1	1970	1985	1975	21.0 0.0
Channel							
Frequency (MHz)							
373000 376500 380000							
30	QPSK	1	1	1885	1882.5	1900	21.0 0.0
Channel							
Frequency (MHz)							
1892.5 1892.5 1902.5							
25	QPSK	1	1	1979	1988	1989	21.0 0.0
Channel							
Frequency (MHz)							
372000 376500 381000							
20	QPSK	1	1	1989	1995	1987	21.0 0.0
Channel							
Frequency (MHz)							
371500 376500 381500							
15	QPSK	1	1	1975	1973	1975	21.0 0.0
Channel							
Frequency (MHz)							
1885 1882.5 1910							
10	QPSK	1	1	1980	1993	1986	21.0 0.0
Channel							
Frequency (MHz)							
1892.5 1892.5 1912.5							
5	QPSK	1	1	1990	1997	1989	21.0 0.0



n26(FCC)_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				166900	166300	167900			
Frequency (MHz)				834	831.5	839			
20	PlZ BPSK	1	1	22.88	22.93	23.02			
20	PlZ BPSK	1	53	22.84	22.76	22.90	24.0	0.0	
20	PlZ BPSK	1	104	22.83	22.93	22.96			
20	PlZ BPSK	50	0	22.44	22.43	22.47	23.5	0.5	
20	PlZ BPSK	50	28	22.99	22.85	23.00	24.0	0.0	
20	PlZ BPSK	50	56	22.39	22.45	22.52			
20	PlZ BPSK	100	0	22.40	22.47	22.50	23.5	0.5	
20	QPSK	1	1	23.03	23.01	23.05			
20	QPSK	1	53	23.01	22.95	23.04	24.0	0.0	
20	QPSK	1	104	22.97	22.93	23.00			
20	QPSK	50	0	21.92	21.92	22.07	23.0	1.0	
20	QPSK	50	28	22.91	22.98	22.96	24.0	0.0	
20	QPSK	50	56	22.07	21.96	22.10			
20	QPSK	100	0	22.02	21.99	22.05	23.0	1.0	
20	16QAM	1	1	21.86	21.95	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.46	20.60	21.5	2.5	
20	256QAM	1	1	18.55	18.48	18.58	19.5	4.5	
Channel				168300	168300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	841.5	841.5			
15	QPSK	1	1	22.92	22.92	22.95	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.94	22.96	22.98	24.0	0.0	
Channel				163300	166300	165300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.97	22.91	22.92	24.0	0.0	

n26(ISED)_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	167900	167900			
Frequency (MHz)				834	836.5	839			
20	PlZ BPSK	1	1	22.96	22.89	23.02			
20	PlZ BPSK	1	53	22.78	22.75	22.90	24.0	0.0	
20	PlZ BPSK	1	104	22.91	22.95	22.96			
20	PlZ BPSK	50	0	22.34	22.36	22.47	23.5	0.5	
20	PlZ BPSK	50	28	22.89	22.94	23.00	24.0	0.0	
20	PlZ BPSK	50	56	22.39	22.50	22.52			
20	PlZ BPSK	100	0	22.40	22.35	22.50	23.5	0.5	
20	QPSK	1	1	22.97	23.01	23.05			
20	QPSK	1	53	22.93	22.94	23.04	24.0	0.0	
20	QPSK	1	104	22.92	22.96	23.00			
20	QPSK	50	0	21.93	21.99	22.07	23.0	1.0	
20	QPSK	50	28	22.95	22.81	22.96	24.0	0.0	
20	QPSK	50	56	22.02	21.95	22.10			
20	QPSK	100	0	21.96	21.95	22.05	23.0	1.0	
20	16QAM	1	1	21.85	21.87	22.00	23.0	1.0	
20	16QAM	1	1	20.59	20.59	20.60	21.5	2.5	
20	256QAM	1	1	18.49	18.50	18.58	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	836.5	841.5			
15	QPSK	1	1	22.92	22.93	22.95	24.0	0.0	
Channel				168800	167300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.97	22.96	22.98	24.0	0.0	
Channel				163300	167300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	1	22.83	22.92	22.92	24.0	0.0	

n26(FCC)_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				166900	166300	167900			
Frequency (MHz)				834	831.5	839			
20	PlZ BPSK	1	1	22.76	22.79	22.87			
20	PlZ BPSK	1	53	22.81	22.80	22.85	24.0	0.0	
20	PlZ BPSK	1	104	22.74	22.77	22.79			
20	PlZ BPSK	50	0	22.50	22.47	22.52	23.5	0.5	
20	PlZ BPSK	50	28	22.77	22.70	22.80	24.0	0.0	
20	PlZ BPSK	50	56	22.38	22.32	22.42			
20	PlZ BPSK	100	0	22.33	22.37	22.44	23.5	0.5	
20	QPSK	1	1	22.97	22.97	22.85			
20	QPSK	1	53	22.75	22.70	22.80	24.0	0.0	
20	QPSK	1	104	22.84	22.84	22.77			
20	QPSK	50	0	21.77	21.76	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.74	22.83	24.0	0.0	
20	QPSK	50	56	21.85	21.91	21.95			
20	QPSK	100	0	21.84	21.76	21.90	23.0	1.0	
20	16QAM	1	1	21.84	21.83	21.88	23.0	1.0	
20	16QAM	1	1	20.29	20.26	20.35	21.5	2.5	
20	256QAM	1	1	18.39	18.38	18.45	19.5	4.5	
Channel				168300	166300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				841.5	831.5	841.5			
15	QPSK	1	1	22.73	22.73	22.83	24.0	0.0	
Channel				163800	166300	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	831.5	844			
10	QPSK	1	1	22.90	22.74	22.78	24.0	0.0	
Channel				163300	166300	163300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	1	22.79	22.72	22.82	24.0	0.0	



n26(ISED)_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				166000	167000	168000			
Frequency (MHz)				834	836.5	839			
20	Pl2 BPSK	1	1	22.86	22.77	22.87			
20	Pl2 BPSK	1	53	22.83	22.77	22.86	24.0	0.0	
20	Pl2 BPSK	1	104	22.75	22.74	22.76			
20	Pl2 BPSK	50	0	22.49	22.40	22.52	23.5	0.5	
20	Pl2 BPSK	50	28	22.72	22.76	22.80	24.0	0.0	
20	Pl2 BPSK	50	56	22.30	22.34	22.42			
20	Pl2 BPSK	100	0	22.33	22.32	22.44	23.5	0.5	
20	QPSK	1	1	22.60	22.78	22.88			
20	QPSK	1	53	22.65	22.71	22.80	24.0	0.0	
20	QPSK	1	104	22.88	22.62	22.77			
20	QPSK	50	0	21.91	21.78	21.90	23.0	1.0	
20	QPSK	50	28	22.75	22.78	22.83	24.0	0.0	
20	QPSK	50	56	21.84	21.92	21.95			
20	QPSK	100	0	21.86	21.86	21.90	23.0	1.0	
20	16QAM	1	1	21.76	21.73	21.86	23.0	1.0	
20	64QAM	1	1	20.34	20.28	20.35	21.5	2.5	
20	256QAM	1	1	18.33	18.41	18.45	19.5	4.5	
Channel				168300	167300	168300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				834.5	836.5	837.5			
15	QPSK	1	1	22.72	22.69	22.83	24.0	0.0	
Channel				168800	167900	168800	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				829	836.5	844			
10	QPSK	1	1	22.75	22.67	22.78	24.0	0.0	
Channel				169300	167900	169300	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				836.5	836.5	846.5			
5	QPSK	1	1	22.72	22.65	22.82	24.0	0.0	

n30_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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	23.42					
10	Pl2 BPSK	1	26	23.38			24.0	0.0	
10	Pl2 BPSK	1	50	23.47					
10	Pl2 BPSK	25	0	23.01			23.5	0.5	
10	Pl2 BPSK	25	14	23.48			24.0	0.0	
10	Pl2 BPSK	25	27	23.05					
10	Pl2 BPSK	50	0	23.03			23.5	0.5	
10	QPSK	1	1	23.50					
10	QPSK	1	26	23.45			24.0	0.0	
10	QPSK	1	50	23.47					
10	QPSK	25	0	22.46			23.0	1.0	
10	QPSK	25	14	23.43			24.0	0.0	
10	QPSK	25	27	22.49					
10	QPSK	50	0	22.45			23.0	1.0	
10	16QAM	1	1	22.48			23.0	1.0	
10	64QAM	1	1	20.96			21.5	2.5	
10	256QAM	1	1	19.00			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5			
5	QPSK	1	1	23.45	23.49	23.41	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				460000					
Frequency (MHz)				2310					
10	Pl2 BPSK	1	1	19.95					
10	Pl2 BPSK	1	26	19.79			20.5	0.0	
10	Pl2 BPSK	1	50	19.78					
10	Pl2 BPSK	25	0	19.70			20.5	0.0	
10	Pl2 BPSK	25	14	19.81			20.5	0.0	
10	Pl2 BPSK	25	27	19.74					
10	Pl2 BPSK	50	0	19.77			20.5	0.0	
10	QPSK	1	1	20.00					
10	QPSK	1	26	19.85			20.5	0.0	
10	QPSK	1	50	19.90					
10	QPSK	25	0	19.94			20.5	0.0	
10	QPSK	25	14	19.95			20.5	0.0	
10	QPSK	25	27	19.87					
10	QPSK	50	0	19.90			20.5	0.0	
10	16QAM	1	1	19.94			20.5	0.0	
10	64QAM	1	1	19.89			20.5	0.0	
10	256QAM	1	1	18.82			19.5	1.0	
Channel				461500	462000	462500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2317.5	2310	2312.5			
5	QPSK	1	1	19.90	19.95	19.83	20.5	0.0	



n30_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				462000			
Frequency (MHz)				2310			
10	Pl2 BPSK	1	1	19.00			
10	Pl2 BPSK	1	26	19.12			20.0
10	Pl2 BPSK	1	50	19.01			20.0
10	Pl2 BPSK	25	0	19.01			20.0
10	Pl2 BPSK	25	14	19.11			20.0
10	Pl2 BPSK	25	27	19.10			20.0
10	Pl2 BPSK	50	0	19.00			20.0
10	QPSK	1	1	19.15			
10	QPSK	1	26	19.12			20.0
10	QPSK	1	50	19.05			
10	QPSK	25	0	19.11			20.0
10	QPSK	25	14	19.12			20.0
10	QPSK	25	27	19.10			20.0
10	QPSK	50	0	19.11			20.0
10	16QAM	1	1	19.02			20.0
10	16QAM	1	1	19.06			20.0
10	256QAM	1	1	19.53			19.5
Channel				461500	462000	462500	
Frequency (MHz)				2312.5	2310	2312.5	
5	QPSK	1	1	19.09	19.14	19.13	20.0

n30_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				462000			
Frequency (MHz)				2310			
10	Pl2 BPSK	1	1	19.01			
10	Pl2 BPSK	1	26	19.89			20.0
10	Pl2 BPSK	1	50	19.92			20.0
10	Pl2 BPSK	25	0	19.92			20.0
10	Pl2 BPSK	25	14	19.00			20.0
10	Pl2 BPSK	25	27	19.92			20.0
10	Pl2 BPSK	50	0	19.92			20.0
10	QPSK	1	1	19.03			
10	QPSK	1	26	19.94			20.0
10	QPSK	1	50	19.96			
10	QPSK	25	0	19.93			20.0
10	QPSK	25	14	19.98			20.0
10	QPSK	25	27	19.97			20.0
10	QPSK	50	0	19.88			20.0
10	16QAM	1	1	19.99			20.0
10	16QAM	1	1	19.89			20.0
10	256QAM	1	1	19.20			19.5
Channel				461500	462000	462500	
Frequency (MHz)				2312.5	2310	2312.5	
5	QPSK	1	1	19.88	19.97	19.88	20.0

n66_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel				349000			
Frequency (MHz)				1790			
40	Pl2 BPSK	1	1	21.88	21.95	21.89	
40	Pl2 BPSK	1	108	21.80	21.89	21.99	23.0
40	Pl2 BPSK	1	214	21.79	21.90	21.87	23.0
40	Pl2 BPSK	108	0	21.86	21.94	21.96	23.0
40	Pl2 BPSK	108	54	21.91	21.91	21.96	23.0
40	Pl2 BPSK	108	108	21.85	21.90	21.97	23.0
40	Pl2 BPSK	216	0	21.91	22.00	21.98	
40	QPSK	1	1	21.92	22.02	22.00	
40	QPSK	1	108	21.90	21.89	21.85	23.0
40	QPSK	1	214	21.83	21.87	21.97	
40	QPSK	108	0	21.89	21.89	21.88	23.0
40	QPSK	108	54	21.91	22.00	21.95	23.0
40	QPSK	108	108	21.83	21.93	21.92	23.0
40	QPSK	216	0	21.81	21.85	21.94	23.0
40	16QAM	1	1	21.84	21.98	21.97	23.0
40	16QAM	1	1	21.43	21.45	21.36	22.5
40	256QAM	1	1	19.27	19.42	19.28	20.5
Channel				345500	349000	352500	
Frequency (MHz)				1727.5	1745	1762.5	
35	QPSK	1	1	21.80	21.91	21.92	23.0
Channel				345000	349000	353000	
Frequency (MHz)				1725	1745	1765	
30	QPSK	1	1	21.01	21.07	21.06	23.0
Channel				345500	349000	353500	
Frequency (MHz)				1722.5	1745	1767.5	
25	QPSK	1	1	21.79	21.91	21.90	23.0
Channel				344000	349000	354000	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	1	21.77	21.95	21.91	23.0
Channel				343500	349000	354500	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	1	21.99	21.93	21.93	23.0
Channel				343000	349000	355000	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	1	21.83	21.97	21.85	23.0
Channel				342500	349000	355500	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	1	21.86	22.00	21.86	23.0



n70_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	23.68	23.68				
15	Pl2 BPSK	1	40	23.63			24.0	0.0	
15	Pl2 BPSK	1	77	23.60			23.5	0.5	
15	Pl2 BPSK	36	0	23.19			24.0	0.0	
15	Pl2 BPSK	36	22	23.82			24.0	0.0	
15	Pl2 BPSK	36	43	23.10			23.5	0.5	
15	Pl2 BPSK	75	0	23.15			23.5	0.5	
15	QPSK	1	1	23.70					
15	QPSK	1	40	23.62			24.0	0.0	
15	QPSK	1	77	23.65					
15	QPSK	36	0	22.80			23.0	1.0	
15	QPSK	36	22	23.06			24.0	0.0	
15	QPSK	36	43	22.70			23.0	1.0	
15	QPSK	75	0	22.67			23.0	1.0	
15	16QAM	1	1	22.59			23.0	1.0	
15	16QAM	1	1	21.20			21.5	2.5	
15	256QAM	1	1	19.20			19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	23.07	23.03	23.04	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	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									
Frequency (MHz)									
15	Pl2 BPSK	1	1	22.95					
15	Pl2 BPSK	1	40	22.88			24.0	0.0	
15	Pl2 BPSK	1	77	22.90			23.5	0.5	
15	Pl2 BPSK	36	0	22.45			24.0	0.0	
15	Pl2 BPSK	36	22	22.96			24.0	0.0	
15	Pl2 BPSK	36	43	22.42			23.5	0.5	
15	Pl2 BPSK	75	0	22.50			23.5	0.5	
15	QPSK	1	1	23.00					
15	QPSK	1	40	22.90			24.0	0.0	
15	QPSK	1	77	22.84					
15	QPSK	36	0	22.06			23.0	1.0	
15	QPSK	36	22	22.92			24.0	0.0	
15	QPSK	36	43	22.02			23.0	1.0	
15	QPSK	75	0	22.00			23.0	1.0	
15	16QAM	1	1	22.06			23.0	1.0	
15	16QAM	1	1	20.55			21.5	2.5	
15	256QAM	1	1	18.60			19.5	4.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	24.0	0.0	
10	QPSK	1	1	22.91	22.95	22.96	24.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	

n70_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
15	Pl2 BPSK	1	1	19.34					
15	Pl2 BPSK	1	40	19.38			20.0	0.0	
15	Pl2 BPSK	1	77	19.26			20.0	0.0	
15	Pl2 BPSK	36	0	19.33			20.0	0.0	
15	Pl2 BPSK	36	22	19.37			20.0	0.0	
15	Pl2 BPSK	36	43	19.32			20.0	0.0	
15	Pl2 BPSK	75	0	19.37			20.0	0.0	
15	QPSK	1	1	19.36					
15	QPSK	1	40	19.36			20.0	0.0	
15	QPSK	1	77	19.36					
15	QPSK	36	0	19.37			20.0	0.0	
15	QPSK	36	22	19.38			20.0	0.0	
15	QPSK	36	43	19.27			20.0	0.0	
15	QPSK	75	0	19.32			20.0	0.0	
15	16QAM	1	1	19.27			20.0	0.0	
15	16QAM	1	1	19.38			20.0	0.0	
15	256QAM	1	1	19.00			19.5	0.5	
Channel				340000	340500	341000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1700	1702.5	1705	20.0	0.0	
10	QPSK	1	1	19.31	19.26	19.25	20.0	0.0	
Channel				339500	340500	341500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	20.0	0.0	



n70_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				340000			
15	PlZ BPSK	1	1	20.74			
15	PlZ BPSK	1	40	20.69			21.5
15	PlZ BPSK	1	77	20.65			21.5
15	PlZ BPSK	38	0	20.67			21.5
15	PlZ BPSK	38	22	20.71			21.5
15	PlZ BPSK	38	43	20.71			21.5
15	PlZ BPSK	75	0	20.66			21.5
15	QPSK	1	1	20.80			
15	QPSK	1	40	20.68			21.5
15	QPSK	1	77	20.73			21.5
15	QPSK	38	0	20.67			21.5
15	QPSK	38	22	20.77			21.5
15	QPSK	38	43	20.74			21.5
15	QPSK	75	0	20.68			21.5
15	16QAM	1	1	20.79			21.5
15	16QAM	1	1	20.69			21.5
15	256QAM	1	1	18.85			19.5
Channel				340000	340500	341000	Tune-up limit (dBm)
Frequency (MHz)				1700	1702.5	1705	MPR (dB)
10	QPSK	1	1	20.69	20.69	20.68	21.5
Channel				339500	340500	341500	Tune-up limit (dBm)
Frequency (MHz)				1697.5	1702.5	1707.5	MPR (dB)
5	QPSK	1	1	20.68	20.78	20.72	21.5

n71_Ant 0							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				136000	136100	136200	
20	PlZ BPSK	1	1	23.03	23.03	23.07	
20	PlZ BPSK	1	53	22.91	23.04	23.01	24.0
20	PlZ BPSK	1	104	23.06	23.02	23.02	24.0
20	PlZ BPSK	50	0	22.72	22.60	22.69	23.5
20	PlZ BPSK	50	28	23.06	23.03	23.04	24.0
20	PlZ BPSK	50	56	22.68	22.61	22.63	23.5
20	PlZ BPSK	100	0	22.62	22.55	22.55	23.5
20	QPSK	1	1	23.07	23.14	23.10	
20	QPSK	1	53	23.05	23.04	22.96	24.0
20	QPSK	1	104	23.03	23.12	22.88	24.0
20	QPSK	50	0	22.08	22.15	22.09	23.0
20	QPSK	50	28	22.97	23.10	23.07	24.0
20	QPSK	50	56	22.14	22.11	22.13	23.0
20	QPSK	100	0	22.03	22.05	22.03	23.0
20	16QAM	1	1	22.03	22.15	22.02	23.0
20	16QAM	1	1	20.57	20.68	20.61	21.5
20	256QAM	1	1	18.83	18.68	18.55	19.5
Channel				136100	136100	136100	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	MPR (dB)
15	QPSK	1	1	23.01	23.06	23.01	24.0
Channel				136600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	MPR (dB)
10	QPSK	1	1	22.06	23.06	22.96	24.0
Channel				135100	135100	135100	Tune-up limit (dBm)
Frequency (MHz)				666.5	680.5	696.5	MPR (dB)
5	QPSK	1	1	22.96	23.03	22.99	24.0

n71_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				136000	136100	136200	
20	PlZ BPSK	1	1	22.72	22.82	22.79	
20	PlZ BPSK	1	53	22.69	22.75	22.74	24.0
20	PlZ BPSK	1	104	22.69	22.80	22.65	24.0
20	PlZ BPSK	50	0	22.34	22.44	22.36	23.5
20	PlZ BPSK	50	28	22.79	22.80	22.78	24.0
20	PlZ BPSK	50	56	22.36	22.39	22.36	23.5
20	PlZ BPSK	100	0	22.32	22.33	22.34	23.5
20	QPSK	1	1	22.77	22.85	22.75	
20	QPSK	1	53	22.68	22.77	22.68	24.0
20	QPSK	1	104	22.69	22.83	22.69	24.0
20	QPSK	50	0	21.79	21.89	21.84	23.0
20	QPSK	50	28	22.12	22.80	22.11	24.0
20	QPSK	50	56	21.87	21.90	21.83	23.0
20	QPSK	100	0	21.73	21.82	21.67	23.0
20	16QAM	1	1	21.83	21.86	21.76	23.0
20	16QAM	1	1	20.37	20.39	20.33	21.5
20	256QAM	1	1	18.30	18.40	18.32	19.5
Channel				136100	136100	136100	Tune-up limit (dBm)
Frequency (MHz)				680.5	690.5	690.5	MPR (dB)
15	QPSK	1	1	22.67	22.75	22.68	24.0
Channel				136600	136100	136600	Tune-up limit (dBm)
Frequency (MHz)				668	680.5	693	MPR (dB)
10	QPSK	1	1	22.66	22.74	22.63	24.0
Channel				135100	135100	135100	Tune-up limit (dBm)
Frequency (MHz)				666.5	680.5	696.5	MPR (dB)
5	QPSK	1	1	22.66	22.78	22.63	24.0



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										
Frequency (MHz)										
40	Pl2 BPSK	1	1	22.94	23.05	22.99				
40	Pl2 BPSK	1	53	22.81	22.96	22.87	24.0	0.0		
40	Pl2 BPSK	1	104	22.80	22.82	22.79				
40	Pl2 BPSK	50	0	22.98	23.00	22.98	24.0	0.0		
40	Pl2 BPSK	50	28	22.98	22.99	22.97	24.0	0.0		
40	Pl2 BPSK	50	56	22.68	22.75	22.60				
40	Pl2 BPSK	100	0	22.89	22.98	22.93	24.0	0.0		
40	QPSK	1	1	23.04	23.10	23.08				
40	QPSK	1	53	22.92	23.02	22.90	24.0	0.0		
40	QPSK	1	104	22.88	22.97	22.93				
40	QPSK	50	0	22.53	22.55	22.47	23.5	0.5		
40	QPSK	50	28	22.74	22.95	22.86	24.0	0.0		
40	QPSK	50	56	22.15	22.30	22.24	23.5	0.5		
40	QPSK	100	0	22.44	22.45	22.43	23.5	0.5		
40	16QAM	1	1	22.43	22.50	22.38	23.5	0.5		
40	16QAM	1	1	20.85	20.96	20.81	22.0	0.0		
40	256QAM	1	1	18.88	18.97	18.88	20.0	4.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	2562.01	2565	2564.99				
Channel										
Frequency (MHz)										
25	QPSK	1	1	22.93	23.02	22.96	24.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	22.91	23.01	22.93	24.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	22.95	23.04	22.94	24.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	22.99	23.01	22.94	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										
Frequency (MHz)										
40	Pl2 BPSK	1	1	18.19	18.46	18.32				
40	Pl2 BPSK	1	53	18.11	18.33	18.17	19.5	0.0		
40	Pl2 BPSK	1	104	18.13	18.38	18.19				
40	Pl2 BPSK	50	0	17.89	18.27	18.15	19.5	0.0		
40	Pl2 BPSK	50	28	18.11	18.37	18.23	19.5	0.0		
40	Pl2 BPSK	50	56	18.00	18.24	18.05				
40	Pl2 BPSK	100	0	17.96	18.23	18.12	19.5	0.0		
40	QPSK	1	1	18.30	18.51	18.41				
40	QPSK	1	53	18.19	18.39	18.32	19.5	0.0		
40	QPSK	1	104	18.19	18.43	18.32				
40	QPSK	50	0	18.04	18.33	18.20	19.5	0.0		
40	QPSK	50	28	18.17	18.43	18.28	19.5	0.0		
40	QPSK	50	56	18.08	18.29	18.15	19.5	0.0		
40	QPSK	100	0	18.06	18.35	18.18	19.5	0.0		
40	16QAM	1	1	18.21	18.41	18.29	19.5	0.0		
40	16QAM	1	1	18.22	18.41	18.27	19.5	0.0		
40	256QAM	1	1	18.18	18.43	18.33	19.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	2562.01	2565	2564.99				
Channel										
Frequency (MHz)										
25	QPSK	1	1	18.22	18.42	18.27	19.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	18.20	18.46	18.34	19.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	18.21	18.46	18.28	19.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	18.20	18.42	18.31	19.5	0.0		

n38_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
40	Pl2 BPSK	1	1	17.93	17.96	17.86				
40	Pl2 BPSK	1	53	17.75	17.92	17.88	19.0	0.0		
40	Pl2 BPSK	1	104	17.75	17.91	17.79				
40	Pl2 BPSK	50	0	17.84	17.87	17.72	19.0	0.0		
40	Pl2 BPSK	50	28	17.75	17.88	17.76	19.0	0.0		
40	Pl2 BPSK	50	56	17.69	17.79	17.64				
40	Pl2 BPSK	100	0	17.60	17.79	17.70	19.0	0.0		
40	QPSK	1	1	17.95	18.11	17.85				
40	QPSK	1	53	17.85	18.04	17.83	19.0	0.0		
40	QPSK	1	104	17.89	18.00	17.85				
40	QPSK	50	0	17.71	17.85	17.77	19.0	0.0		
40	QPSK	50	28	17.85	18.01	17.85	19.0	0.0		
40	QPSK	50	56	17.79	17.92	17.75	19.0	0.0		
40	QPSK	100	0	17.75	17.86	17.75	19.0	0.0		
40	16QAM	1	1	17.86	17.86	17.84	19.0	0.0		
40	16QAM	1	1	17.91	18.02	17.86	19.0	0.0		
40	256QAM	1	1	17.84	18.03	17.85	19.0	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.83	17.97	17.85				
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.90	18.01	17.89	19.0	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.94	18.00	17.82	19.0	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.93	18.02	17.91	19.0	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.87	18.01	17.88	19.0	0.0		



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	18.17	18.19	18.04			
40	PI2 BPSK	1	53	17.95	18.12	17.99	19.5	0.0	
40	PI2 BPSK	1	104	18.02	18.12	17.93			
40	PI2 BPSK	50	0	17.94	18.02	17.89	19.5	0.0	
40	PI2 BPSK	50	28	18.04	18.08	18.03	19.5	0.0	
40	PI2 BPSK	50	56	17.93	17.98	17.95			
40	PI2 BPSK	100	0	17.97	17.99	17.84	19.5	0.0	
40	QPSK	1	1	18.22	18.31	18.18			
40	QPSK	1	63	18.08	18.23	18.10	19.5	0.0	
40	QPSK	1	104	18.10	18.18	18.05			
40	QPSK	50	0	18.04	18.13	18.02	19.5	0.0	
40	QPSK	50	28	18.13	18.21	18.10	19.5	0.0	
40	QPSK	50	56	17.98	18.09	18.04			
40	QPSK	100	0	18.04	18.12	17.98	19.5	0.0	
40	16QAM	1	1	18.16	18.24	18.14	19.5	0.0	
40	64QAM	1	1	18.08	18.23	18.07	19.5	0.0	
40	256QAM	1	1	18.13	18.24	18.05	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.12	18.24	18.07	19.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	18.11	18.26	18.09	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.13	18.21	18.12	19.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.10	18.25	18.08	19.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.08	18.25	18.07	19.5	0.0	

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	23.28	23.41	23.30			
100	PI2 BPSK	1	137	23.28	23.35	23.23	24.0	0.0	
100	PI2 BPSK	1	271	23.32	23.34	23.25			
100	PI2 BPSK	135	0	23.25	23.34	23.27	24.0	0.0	
100	PI2 BPSK	135	69	23.22	23.35	23.25	24.0	0.0	
100	PI2 BPSK	135	138	23.27	23.42	23.33	24.0	0.0	
100	PI2 BPSK	270	0	23.32	23.40	23.27			
100	QPSK	1	1	23.32	23.45	23.31			
100	QPSK	1	137	23.28	23.38	23.30	24.0	0.0	
100	QPSK	1	271	23.19	23.34	23.27			
100	QPSK	135	0	23.22	23.31	23.24	24.0	0.0	
100	QPSK	135	69	23.18	23.35	23.27	24.0	0.0	
100	QPSK	135	138	23.24	23.38	23.29	24.0	0.0	
100	QPSK	270	0	23.40	23.42	23.28			
100	16QAM	1	1	23.30	23.37	23.31	24.0	0.0	
100	64QAM	1	1	23.30	23.31	23.22	24.0	0.0	
100	256QAM	1	1	21.83	21.85	21.87	22.5	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.25	23.32	23.25	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.32	23.30	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.28	23.33	23.18	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.25	23.38	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.33	23.30	23.19	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.31	23.35	23.20	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.28	23.38	23.21	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.19	23.32	23.04	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.27	23.37	23.17	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.25	23.36	23.26	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.31	23.36	23.22	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	26.17	26.30	26.22		
100	Pi/2 BPSK	1	137	25.89	26.02	25.95	27.0	0.0
100	Pi/2 BPSK	1	271	25.79	25.90	25.84		
100	Pi/2 BPSK	135	0	25.51	25.62	25.55	26.5	0.5
100	Pi/2 BPSK	135	69	25.88	26.01	25.95	27.0	0.0
100	Pi/2 BPSK	135	138	25.18	25.33	25.26	26.5	0.5
100	Pi/2 BPSK	270	0	25.37	25.52	25.44		
100	QPSK	1	1	26.02	26.15	26.05	27.0	0.0
100	QPSK	1	137	25.85	25.98	25.91	27.0	0.0
100	QPSK	1	271	25.82	25.94	25.86		
100	QPSK	135	0	25.07	25.10	25.01	26.0	1.0
100	QPSK	135	69	25.36	25.48	25.37	27.0	0.0
100	QPSK	135	138	25.03	25.05	25.08	26.0	1.0
100	QPSK	270	0	24.95	25.08	25.00	26.0	1.0
100	16QAM	1	1	25.14	25.25	25.16	26.0	1.0
100	64QAM	1	1	23.62	23.72	23.62	24.5	2.5
100	256QAM	1	1	21.65	21.77	21.67	22.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	25.41	25.52	25.44	27.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	26.07	26.22	26.18	27.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	26.08	26.17	26.10	27.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	26.08	26.20	26.16	27.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	26.10	26.20	26.18	27.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	26.02	26.09	26.03	27.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	26.06	26.27	26.15	27.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	26.03	26.29	26.25	27.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	26.08	26.17	26.11	27.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	26.04	26.24	26.09	27.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	26.05	26.26	26.12	27.0	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	18.68	18.91	18.83		
100	Pi/2 BPSK	1	137	18.80	18.83	18.65	19.5	0.0
100	Pi/2 BPSK	1	271	18.96	18.78	18.48		
100	Pi/2 BPSK	135	0	18.49	18.74	18.52	19.5	0.0
100	Pi/2 BPSK	135	69	18.58	18.76	18.64	19.5	0.0
100	Pi/2 BPSK	135	138	18.48	18.73	18.54		
100	Pi/2 BPSK	270	0	18.56	18.72	18.56	19.5	0.0
100	QPSK	1	1	18.71	18.90	18.73	19.5	0.0
100	QPSK	1	137	18.73	18.95	18.74	19.5	0.0
100	QPSK	1	271	18.69	18.87	18.76		
100	QPSK	135	0	18.61	18.79	18.65	19.5	0.0
100	QPSK	135	69	18.72	18.90	18.71	19.5	0.0
100	QPSK	135	138	18.60	18.81	18.60	19.5	0.0
100	QPSK	270	0	18.63	18.84	18.68		
100	16QAM	1	1	18.77	18.88	18.76	19.5	0.0
100	64QAM	1	1	18.68	18.88	18.83	19.5	0.0
100	256QAM	1	1	18.68	18.88	18.84	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.69	18.93	18.82	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.75	18.95	18.79	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.68	18.89	18.74	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.72	18.85	18.78	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.71	18.91	18.81	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.74	18.93	18.75	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.70	18.95	18.78	19.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.78	18.98	18.81	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.72	18.90	18.75	19.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.71	18.96	18.83	19.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.71	18.90	18.76	19.5	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)	MFR (dB)
Channel								
Frequency (MHz)								
100	Pi/2 BPSK	1	1	21.57	21.65	21.50		
100	Pi/2 BPSK	1	137	21.46	21.54	21.49	22.5	0.0
100	Pi/2 BPSK	1	271	21.42	21.44	21.38		
100	Pi/2 BPSK	135	0	21.37	21.48	21.35	22.5	0.0
100	Pi/2 BPSK	135	69	21.43	21.60	21.46	22.5	0.0
100	Pi/2 BPSK	135	138	21.36	21.43	21.33	22.5	0.0
100	Pi/2 BPSK	270	0	21.40	21.48	21.37		
100	QPSK	1	1	21.59	21.71	21.55	22.5	0.0
100	QPSK	1	137	21.52	21.64	21.60	22.5	0.0
100	QPSK	1	271	21.52	21.57	21.51		
100	QPSK	135	0	21.48	21.56	21.48	22.5	0.0
100	QPSK	135	69	21.59	21.65	21.55	22.5	0.0
100	QPSK	135	138	21.43	21.51	21.47	22.5	0.0
100	QPSK	270	0	21.47	21.60	21.44		
100	16QAM	1	1	21.58	21.63	21.52	22.5	0.0
100	64QAM	1	1	21.53	21.61	21.53	22.5	0.0
100	256QAM	1	1	21.51	21.60	21.58	22.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	21.51	21.60	21.55	22.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	21.50	21.58	21.51	22.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	21.56	21.62	21.57	22.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	21.54	21.58	21.58	22.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	21.55	21.62	21.58	22.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	21.55	21.63	21.53	22.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	21.56	21.64	21.59	22.5	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	21.57	21.60	21.53	22.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	21.56	21.64	21.60	22.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	21.59	21.66	21.55	22.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	21.53	21.61	21.58	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)				508202	518998	528800		
Frequency (MHz)				2546.01	2592.99	2640		
100	Plz BPSK	1	1	21.26	21.63	21.36		
100	Plz BPSK	1	137	21.16	21.55	21.28		
100	Plz BPSK	1	271	21.07	21.49	21.25	22.5	0.0
100	Plz BPSK	135	0	21.01	21.43	21.26	22.5	0.0
100	Plz BPSK	135	69	21.21	21.58	21.30	22.5	0.0
100	Plz BPSK	135	138	21.07	21.54	21.18	22.5	0.0
100	Plz BPSK	270	0	21.03	21.36	21.21		
100	QPSK	1	1	21.08	21.71	21.45		
100	QPSK	1	137	21.31	21.63	21.36	22.5	0.0
100	QPSK	1	271	21.22	21.63	21.39		
100	QPSK	135	0	21.16	21.57	21.32	22.5	0.0
100	QPSK	135	69	21.07	21.65	21.43	22.5	0.0
100	QPSK	135	138	21.12	21.59	21.28	22.5	0.0
100	QPSK	270	0	21.12	21.50	21.32		
100	16QAM	1	1	21.30	21.64	21.44	22.5	0.0
100	64QAM	1	1	21.27	21.56	21.37	22.5	0.0
100	256QAM	1	1	21.31	21.65	21.35	22.5	0.0
Channel								
Frequency (MHz)				508200	518998	528800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2641.98		
90	QPSK	1	1	21.22	21.58	21.37	22.5	0.0
Channel								
Frequency (MHz)				507204	518998	528998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2640.98		
80	QPSK	1	1	21.31	21.64	21.36	22.5	0.0
Channel								
Frequency (MHz)				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.28	21.66	21.42	22.5	0.0
Channel								
Frequency (MHz)				505200	518998	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2489	2592.99	2649.98		
60	QPSK	1	1	21.28	21.63	21.43	22.5	0.0
Channel								
Frequency (MHz)				504404	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2654.98		
50	QPSK	1	1	21.28	21.59	21.40	22.5	0.0
Channel								
Frequency (MHz)				505202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.23	21.64	21.38	22.5	0.0
Channel								
Frequency (MHz)				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.28	21.61	21.36	22.5	0.0
Channel								
Frequency (MHz)				501702	518998	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2504.51	2592.99	2677.5		
25	QPSK	1	1	21.30	21.63	21.45	22.5	0.0
Channel								
Frequency (MHz)				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2678.98		
20	QPSK	1	1	21.21	21.58	21.43	22.5	0.0
Channel								
Frequency (MHz)				500700	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.28	21.63	21.42	22.5	0.0
Channel								
Frequency (MHz)				500202	518998	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.25	21.58	21.38	22.5	0.0



n48_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	16.14	16.17	16.07		
40	PI2 BPSK	1	53	16.05	16.09	16.00	17.0	0.0
40	PI2 BPSK	1	104	16.00	16.00	16.00	17.0	0.0
40	PI2 BPSK	50	0	15.93	15.99	15.99	17.0	0.0
40	PI2 BPSK	50	28	15.94	16.10	15.90	17.0	0.0
40	PI2 BPSK	50	56	15.92	15.97	15.92	17.0	0.0
40	PI2 BPSK	100	0	15.96	16.04	15.90	17.0	0.0
40	QPSK	1	1	16.10	16.20	16.20		
40	QPSK	1	53	16.12	16.17	16.08	17.0	0.0
40	QPSK	1	104	16.06	16.24	16.14	17.0	0.0
40	QPSK	50	0	16.01	16.12	16.07	17.0	0.0
40	QPSK	50	28	16.00	16.10	16.00	17.0	0.0
40	QPSK	50	56	15.96	16.09	15.97	17.0	0.0
40	QPSK	100	0	16.01	16.14	16.04	17.0	0.0
40	16QAM	1	1	16.07	16.17	16.07	17.0	0.0
40	16QAM	1	1	16.09	16.19	16.14	17.0	0.0
40	256QAM	1	1	16.06	16.22	16.11	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.11	16.21	16.11	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.09	16.26	16.12	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	16.07	16.19	16.11	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.10	16.22	16.16	17.0	0.0

n48_Ant 4								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	15.60	15.73	15.45		
40	PI2 BPSK	1	53	15.67	15.69	15.39	16.5	0.0
40	PI2 BPSK	1	104	15.49	15.62	15.30	16.5	0.0
40	PI2 BPSK	50	0	15.38	15.56	15.25	16.5	0.0
40	PI2 BPSK	50	28	15.50	15.58	15.42	16.5	0.0
40	PI2 BPSK	50	56	15.35	15.48	15.31	16.5	0.0
40	PI2 BPSK	100	0	15.50	15.50	15.20	16.5	0.0
40	QPSK	1	1	15.70	15.80	15.50		
40	QPSK	1	53	15.66	15.76	15.50	16.5	0.0
40	QPSK	1	104	15.61	15.75	15.44	16.5	0.0
40	QPSK	50	0	15.49	15.64	15.35	16.5	0.0
40	QPSK	50	28	15.57	15.59	15.47	16.5	0.0
40	QPSK	50	56	15.49	15.59	15.38	16.5	0.0
40	QPSK	100	0	15.57	15.62	15.36	16.5	0.0
40	16QAM	1	1	15.58	15.70	15.49	16.5	0.0
40	16QAM	1	1	15.61	15.73	15.46	16.5	0.0
40	256QAM	1	1	15.60	15.74	15.51	16.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.63	15.68	15.46	16.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.60	15.68	15.51	16.5	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.58	15.73	15.45	16.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.66	15.66	15.49	16.5	0.0

n48_Ant 6								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
40	PI2 BPSK	1	1	13.01	13.01	12.99		
40	PI2 BPSK	1	53	12.99	12.92	12.89	14.0	0.0
40	PI2 BPSK	1	104	12.98	13.00	12.87	14.0	0.0
40	PI2 BPSK	50	0	12.83	12.89	12.84	14.0	0.0
40	PI2 BPSK	50	28	12.96	13.01	12.89	14.0	0.0
40	PI2 BPSK	50	56	12.89	12.92	12.84	14.0	0.0
40	PI2 BPSK	100	0	12.77	12.91	12.77	14.0	0.0
40	QPSK	1	1	13.13	13.16	13.07		
40	QPSK	1	53	13.07	13.05	13.01	14.0	0.0
40	QPSK	1	104	13.05	13.08	12.92	14.0	0.0
40	QPSK	50	0	12.94	12.97	12.94	14.0	0.0
40	QPSK	50	28	12.95	13.11	12.95	14.0	0.0
40	QPSK	50	56	12.98	12.97	12.89	14.0	0.0
40	QPSK	100	0	12.89	13.01	12.85	14.0	0.0
40	16QAM	1	1	13.05	13.06	12.89	14.0	0.0
40	16QAM	1	1	13.06	13.02	13.02	14.0	0.0
40	256QAM	1	1	13.01	13.07	12.93	14.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	13.04	13.07	12.96	14.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	13.05	13.07	13.02	14.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	13.08	13.08	12.97	14.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	13.02	13.08	13.02	14.0	0.0



n48_Ant 8									
BW [MHz]	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	18.14	18.20	18.21			
40	PI2 BPSK	1	53	18.09	18.21	18.07	19.0	0.0	
40	PI2 BPSK	1	104	18.09	18.21	18.15			
40	PI2 BPSK	50	0	18.01	18.02	18.04	19.0	0.0	
40	PI2 BPSK	50	28	18.05	18.21	18.06	19.0	0.0	
40	PI2 BPSK	50	56	18.06	18.02	17.98	19.0	0.0	
40	PI2 BPSK	100	0	18.00	18.07	18.01			
40	QPSK	1	1	18.12	18.13	18.10			
40	QPSK	1	53	18.18	18.13	18.17	19.0	0.0	
40	QPSK	1	104	18.18	18.33	18.20			
40	QPSK	50	0	18.10	18.14	18.13	19.0	0.0	
40	QPSK	50	28	18.10	18.20	18.11	19.0	0.0	
40	QPSK	50	56	18.11	18.14	18.09	19.0	0.0	
40	QPSK	100	0	18.12	18.20	18.09			
40	16QAM	1	1	18.18	18.34	18.15	19.0	0.0	
40	16QAM	1	1	18.18	18.24	18.20	19.0	0.0	
40	256QAM	1	1	18.17	18.33	18.15	19.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.10	18.20	18.21	19.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.19	18.24	18.17	19.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	18.13	18.28	18.14	19.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	18.16	18.24	18.21	19.0	0.0	

Part27Q_n77_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.79					
100	PI2 BPSK	1	137	17.80			18.5	0.0	
100	PI2 BPSK	1	271	17.85					
100	PI2 BPSK	135	0	17.88			18.5	0.0	
100	PI2 BPSK	135	69	17.84			18.5	0.0	
100	PI2 BPSK	135	138	17.74			18.5	0.0	
100	PI2 BPSK	270	0	17.87					
100	QPSK	1	1	17.80					
100	QPSK	1	137	17.80			18.5	0.0	
100	QPSK	1	271	17.85					
100	QPSK	135	0	17.79			18.5	0.0	
100	QPSK	135	69	17.85			18.5	0.0	
100	QPSK	135	138	17.80			18.5	0.0	
100	QPSK	270	0	17.85					
100	16QAM	1	1	17.75			18.5	0.0	
100	16QAM	1	1	17.83			18.5	0.0	
100	256QAM	1	1	17.88			18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.76	17.79	17.78	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.88	17.81	17.85	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.74	17.81	17.78	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.78	17.81	17.79	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.77	17.88	17.74	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.79	17.73	17.87	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.86	17.82	17.82	18.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.88	17.83	17.80	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.75	17.84	17.80	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.80	17.77	17.82	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.78	17.84	17.80	18.5	0.0	

Part27Q_n77(HPUE)_Ant 3									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.51					
100	PI2 BPSK	1	137	20.52			21.5	0.0	
100	PI2 BPSK	1	271	20.54					
100	PI2 BPSK	135	0	20.58			21.5	0.0	
100	PI2 BPSK	135	69	20.65			21.5	0.0	
100	PI2 BPSK	135	138	20.51			21.5	0.0	
100	PI2 BPSK	270	0	20.65					
100	QPSK	1	1	20.66					
100	QPSK	1	137	20.51			21.5	0.0	
100	QPSK	1	271	20.54					
100	QPSK	135	0	20.58			21.5	0.0	
100	QPSK	135	69	20.60			21.5	0.0	
100	QPSK	135	138	20.60			21.5	0.0	
100	QPSK	270	0	20.67					
100	16QAM	1	1	20.51			21.5	0.0	
100	16QAM	1	1	20.57			21.5	0.0	
100	256QAM	1	1	20.60			21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.62	20.60	20.64	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.61	20.63	20.56	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.67	20.62	20.58	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.68	20.65	20.65	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.62	20.55	20.62	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.61	20.64	20.65	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.61	20.62	20.58	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.61	20.66	20.53	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.65	20.67	20.62	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.65	20.67	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.60	20.61	20.53	21.5	0.0	



Part270_n77_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	17.89	17.87	17.82			
100	PI2 BPSK	1	137	17.82	17.80	17.81	18.5	0.0	
100	PI2 BPSK	1	271	17.77	17.76	17.76			
100	PI2 BPSK	135	0	17.77	17.80	17.80	18.5	0.0	
100	PI2 BPSK	135	69	17.77	17.81	17.80	18.5	0.0	
100	PI2 BPSK	135	138	17.80	17.81	17.76	18.5	0.0	
100	PI2 BPSK	270	0	17.81	17.87	17.79			
100	QPSK	1	1	17.82	18.02	17.82			
100	QPSK	1	137	17.87	17.87	17.89	18.5	0.0	
100	QPSK	1	271	17.82	17.81	17.82			
100	QPSK	135	0	17.88	17.83	17.82	18.5	0.0	
100	QPSK	135	69	17.82	17.86	17.86	18.5	0.0	
100	QPSK	135	138	17.79	17.79	17.81	18.5	0.0	
100	QPSK	270	0	17.85	17.88	17.84			
100	8QAM	1	1	17.81	17.80	17.83	18.5	0.0	
100	8QAM	1	1	17.89	17.81	17.85	18.5	0.0	
100	256QAM	1	1	17.83	17.89	17.81	18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.83	17.87	17.89	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.82	17.88	17.88	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.85	17.87	17.84	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.86	17.95	17.85	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.84	18.00	17.80	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.84	17.89	17.82	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.82	17.86	17.82	18.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.79	17.89	17.81	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.80	17.82	17.81	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.85	17.88	17.82	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.81	17.83	17.82	18.5	0.0	

Part270_n77(HPUE)_Ant 3									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	20.70	20.77	20.70			
100	PI2 BPSK	1	137	20.83	20.80	20.70	21.5	0.0	
100	PI2 BPSK	1	271	20.82	20.75	20.89			
100	PI2 BPSK	135	0	20.76	20.88	20.79	21.5	0.0	
100	PI2 BPSK	135	69	20.75	20.70	20.73	21.5	0.0	
100	PI2 BPSK	135	138	20.76	20.77	20.89	21.5	0.0	
100	PI2 BPSK	270	0	20.74	20.81	20.85			
100	QPSK	1	1	20.84	20.89	20.80			
100	QPSK	1	137	20.83	20.77	20.71	21.5	0.0	
100	QPSK	1	271	20.77	20.75	20.72			
100	QPSK	135	0	20.74	20.79	20.87	21.5	0.0	
100	QPSK	135	69	20.82	20.82	20.79	21.5	0.0	
100	QPSK	135	138	20.79	20.82	20.75	21.5	0.0	
100	QPSK	270	0	20.83	20.85	20.70			
100	8QAM	1	1	20.74	20.76	20.87	21.5	0.0	
100	8QAM	1	1	20.70	20.88	20.77	21.5	0.0	
100	256QAM	1	1	20.72	20.80	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.70	20.74	20.87	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.81	20.70	20.79	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.80	20.82	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.72	20.74	20.87	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.83	20.78	20.76	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.79	20.72	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.71	20.80	20.85	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.80	20.75	20.87	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.82	20.80	20.86	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.78	20.80	20.74	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.81	20.82	20.74	21.5	0.0	



Part27Q_n77_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	15.22	15.22	15.22	16.0	0.0
100	PB2 BPSK	1	137	15.20	15.20	15.20	16.0	0.0
100	PB2 BPSK	1	271	15.12	15.12	15.12	16.0	0.0
100	PB2 BPSK	135	0	15.07	15.07	15.07	16.0	0.0
100	PB2 BPSK	135	69	15.06	15.06	15.06	16.0	0.0
100	PB2 BPSK	135	138	15.02	15.02	15.02	16.0	0.0
100	PB2 BPSK	270	0	15.00	15.00	15.00	16.0	0.0
100	QPSK	1	1	15.35	15.35	15.35	16.0	0.0
100	QPSK	1	137	15.30	15.30	15.30	16.0	0.0
100	QPSK	1	271	15.24	15.24	15.24	16.0	0.0
100	QPSK	135	0	15.13	15.13	15.13	16.0	0.0
100	QPSK	135	69	15.20	15.20	15.20	16.0	0.0
100	QPSK	135	138	15.07	15.07	15.07	16.0	0.0
100	QPSK	270	0	15.00	15.00	15.00	16.0	0.0
100	16QAM	1	1	15.22	15.22	15.22	16.0	0.0
100	64QAM	1	1	15.23	15.23	15.23	16.0	0.0
100	256QAM	1	1	15.25	15.25	15.25	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.12	15.24	15.28	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.11	15.24	15.25	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.19	15.24	15.30	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.13	15.27	15.30	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.20	15.28	15.30	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.17	15.26	15.24	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.15	15.20	15.25	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.19	15.30	15.20	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.13	15.30	15.25	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.14	15.24	15.23	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.12	15.20	15.25	16.0	0.0

Part27Q_n77(HPUe)_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	PB2 BPSK	1	1	18.12	18.12	18.12	19.0	0.0
100	PB2 BPSK	1	137	18.01	18.01	18.01	19.0	0.0
100	PB2 BPSK	1	271	18.06	18.06	18.06	19.0	0.0
100	PB2 BPSK	135	0	17.98	17.98	17.98	19.0	0.0
100	PB2 BPSK	135	69	18.01	18.01	18.01	19.0	0.0
100	PB2 BPSK	135	138	17.90	17.90	17.90	19.0	0.0
100	PB2 BPSK	270	0	18.01	18.01	18.01	19.0	0.0
100	QPSK	1	1	18.27	18.27	18.27	19.0	0.0
100	QPSK	1	137	18.16	18.16	18.16	19.0	0.0
100	QPSK	1	271	18.17	18.17	18.17	19.0	0.0
100	QPSK	135	0	17.97	17.97	17.97	19.0	0.0
100	QPSK	135	69	18.02	18.02	18.02	19.0	0.0
100	QPSK	135	138	18.01	18.01	18.01	19.0	0.0
100	QPSK	270	0	18.07	18.07	18.07	19.0	0.0
100	16QAM	1	1	18.21	18.21	18.21	19.0	0.0
100	64QAM	1	1	18.20	18.20	18.20	19.0	0.0
100	256QAM	1	1	18.12	18.12	18.12	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.99	18.22	18.07	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.05	18.20	18.06	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.00	18.18	18.08	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.06	18.18	18.05	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.06	18.15	18.12	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.08	18.17	18.10	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.03	18.22	18.00	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	17.98	18.10	18.04	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.98	18.14	18.12	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	18.01	18.22	18.10	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.03	18.15	18.09	19.0	0.0

Part27Q_n77_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PB2 BPSK	1	1	15.20	15.20	15.20	16.0	0.0
100	PB2 BPSK	1	137	15.16	15.20	15.12	16.0	0.0
100	PB2 BPSK	1	271	15.20	15.20	15.02	16.0	0.0
100	PB2 BPSK	135	0	15.07	15.09	14.98	16.0	0.0
100	PB2 BPSK	135	69	15.16	15.15	15.08	16.0	0.0
100	PB2 BPSK	135	138	15.06	15.08	14.97	16.0	0.0
100	PB2 BPSK	270	0	15.00	15.11	14.98	16.0	0.0
100	QPSK	1	1	15.27	15.40	15.35	16.0	0.0
100	QPSK	1	137	15.20	15.28	15.25	16.0	0.0
100	QPSK	1	271	15.28	15.35	15.16	16.0	0.0
100	QPSK	135	0	15.16	15.16	15.12	16.0	0.0
100	QPSK	135	69	15.20	15.20	15.16	16.0	0.0
100	QPSK	135	138	15.16	15.20	15.07	16.0	0.0
100	QPSK	270	0	15.11	15.21	15.11	16.0	0.0
100	16QAM	1	1	15.20	15.26	15.24	16.0	0.0
100	64QAM	1	1	15.20	15.32	15.23	16.0	0.0
100	256QAM	1	1	15.31	15.31	15.20	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.27	15.27	15.23	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.27	15.30	15.24	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.25	15.34	15.20	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.25	15.28	15.15	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.31	15.27	15.23	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.27	15.34	15.21	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.20	15.33	15.19	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.21	15.29	15.24	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.24	15.30	15.18	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.20	15.26	15.10	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.21	15.26	15.23	16.0	0.0



Part27O_n77(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Unit (dBm)	MPR (dB)
	Channel			66000	66000	66000		
	Frequency (MHz)			17.93	18.03	17.97		
100	PI2 BPSK	1	1	17.88	18.03	17.97		
100	PI2 BPSK	1	137	17.74	17.99	17.86	19.0	0.0
100	PI2 BPSK	1	271	17.76	17.86	17.84		
100	PI2 BPSK	135	0	17.70	17.82	17.75	19.0	0.0
100	PI2 BPSK	135	69	17.81	17.88	17.81	19.0	0.0
100	PI2 BPSK	135	135	17.70	17.83	17.75	19.0	0.0
100	PI2 BPSK	270	0	17.68	17.78	17.75		
100	QPSK	1	1	18.03	18.03	18.03		
100	QPSK	1	137	17.89	18.08	17.99	19.0	0.0
100	QPSK	1	271	17.91	18.08	17.93		
100	QPSK	135	0	17.83	17.95	17.79	19.0	0.0
100	QPSK	135	69	17.88	17.95	17.85	19.0	0.0
100	QPSK	135	135	17.83	17.91	17.88	19.0	0.0
100	QPSK	270	0	17.82	17.89	17.83		
100	BQAM	1	1	17.96	18.08	18.00	19.0	0.0
100	BQAM	1	1	17.97	18.00	18.00	19.0	0.0
100	BQAM	1	1	17.88	18.07	18.00	19.0	0.0
	Channel			64000	65000	63000	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3745.02	3840	3834.98		
80	QPSK	1	1	17.95	18.01	17.84	19.0	0.0
	Channel			64335	65000	63665	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3740.01	3840	3839.99		
80	QPSK	1	1	17.84	18.02	18.01	19.0	0.0
	Channel			64000	65000	63000	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3735	3840	3845		
70	QPSK	1	1	17.97	18.07	18.02	19.0	0.0
	Channel			64000	65000	63000	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3730.02	3840	3840.98		
60	QPSK	1	1	17.94	18.04	17.98	19.0	0.0
	Channel			64315	65000	63685	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3725.01	3840	3854.99		
50	QPSK	1	1	17.91	18.02	18.03	19.0	0.0
	Channel			64000	65000	63000	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3720	3840	3860		
40	QPSK	1	1	17.92	18.03	18.01	19.0	0.0
	Channel			64315	65000	63685	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3715.02	3840	3864.98		
30	QPSK	1	1	17.98	18.03	17.89	19.0	0.0
	Channel			64300	65000	63700	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3712.5	3840	3872.5		
25	QPSK	1	1	17.99	18.03	17.89	19.0	0.0
	Channel			64334	65000	63666	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3710.51	3840	3869.59		
20	QPSK	1	1	17.92	18.03	17.87	19.0	0.0
	Channel			64369	65000	63631	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3707.52	3840	3872.48		
15	QPSK	1	1	17.98	18.03	18.01	19.0	0.0
	Channel			64300	65000	63700	Tune-up Unit (dBm)	MPR (dB)
	Frequency (MHz)			3705	3840	3875		
10	QPSK	1	1	17.98	17.98	17.98	19.0	0.0



Part27Q_n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (W)	Power Mid Ch. (W)	Power High Ch. (W)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PL2 BPSK	1	1	12.98	12.98	12.98	14.0	0.0
100	PL2 BPSK	1	137	12.83	12.83	12.83	14.0	0.0
100	PL2 BPSK	1	271	12.78	12.78	12.78	14.0	0.0
100	PL2 BPSK	135	0	12.68	12.68	12.68	14.0	0.0
100	PL2 BPSK	135	69	12.70	12.70	12.70	14.0	0.0
100	PL2 BPSK	135	138	12.86	12.86	12.86	14.0	0.0
100	PL2 BPSK	270	0	12.70	12.70	12.70	14.0	0.0
100	QPSK	1	1	13.03	13.03	13.03	14.0	0.0
100	QPSK	1	137	12.88	12.88	12.88	14.0	0.0
100	QPSK	1	271	12.89	12.89	12.89	14.0	0.0
100	QPSK	135	0	12.83	12.83	12.83	14.0	0.0
100	QPSK	135	69	12.70	12.70	12.70	14.0	0.0
100	QPSK	135	138	12.75	12.75	12.75	14.0	0.0
100	QPSK	270	0	12.83	12.83	12.83	14.0	0.0
100	BQAM	1	1	12.85	12.85	12.85	14.0	0.0
100	BQAM	1	1	12.85	12.85	12.85	14.0	0.0
100	BQAM	1	1	12.88	12.88	12.88	14.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	12.74	12.96	12.79	14.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	12.70	12.97	12.75	14.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	12.72	12.90	12.86	14.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	12.79	12.98	12.79	14.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	12.72	12.92	12.81	14.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	12.77	12.90	12.79	14.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	12.79	12.94	12.80	14.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	12.74	12.93	12.80	14.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	12.75	12.91	12.80	14.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	12.76	12.91	12.80	14.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	12.78	12.90	12.81	14.0	0.0



Part27Q_n77(HPUE)_Ant 6

Table with 10 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power High Ch. Freq., Power Mid Ch. Freq., Tune-up Int. (dBm), MPR (dB). Contains data for various modulation schemes like Pi/2 BPSK, QPSK, and 64QAM across different RB sizes and offsets.

Part27Q_n77_Ant 6

Table with 10 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power High Ch. Freq., Power Mid Ch. Freq., Tune-up Int. (dBm), MPR (dB). Contains data for various modulation schemes like Pi/2 BPSK, QPSK, and 64QAM across different RB sizes and offsets.

Part27Q_n77(HPUE)_Ant 6

Table with 10 columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power High Ch. Freq., Power Mid Ch. Freq., Tune-up Int. (dBm), MPR (dB). Contains data for various modulation schemes like Pi/2 BPSK, QPSK, and 64QAM across different RB sizes and offsets.



Part27Q_n77_Ant 8									
BW (MHz)	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	17.66	17.66	17.66			
100	PI2 BPSK	1	137	17.59	17.59	17.59	18.5	0.0	
100	PI2 BPSK	1	271	17.54	17.54	17.54	18.5	0.0	
100	PI2 BPSK	135	6	17.49	17.49	17.49	18.5	0.0	
100	PI2 BPSK	135	66	17.56	17.56	17.56	18.5	0.0	
100	PI2 BPSK	135	136	17.48	17.48	17.48	18.5	0.0	
100	PI2 BPSK	270	6	17.42	17.42	17.42	18.5	0.0	
100	QPSK	1	1	17.73	17.73	17.73			
100	QPSK	1	137	17.73	17.73	17.73	18.5	0.0	
100	QPSK	1	271	17.64	17.64	17.64	18.5	0.0	
100	QPSK	135	6	17.65	17.65	17.65	18.5	0.0	
100	QPSK	135	66	17.66	17.66	17.66	18.5	0.0	
100	QPSK	135	136	17.61	17.61	17.61	18.5	0.0	
100	QPSK	270	6	17.55	17.55	17.55	18.5	0.0	
100	16QAM	1	1	17.65	17.65	17.65	18.5	0.0	
100	64QAM	1	1	17.68	17.68	17.68	18.5	0.0	
100	256QAM	1	1	17.64	17.64	17.64	18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.62	17.71	17.45	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.65	17.64	17.53	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.66	17.72	17.47	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.67	17.68	17.49	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.68	17.68	17.49	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.62	17.69	17.44	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.62	17.72	17.48	18.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.62	17.70	17.47	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.62	17.66	17.54	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.62	17.66	17.43	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.62	17.71	17.54	18.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	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	20.53	20.53	20.53			
100	PI2 BPSK	1	137	20.39	20.39	20.39	21.5	0.0	
100	PI2 BPSK	1	271	20.41	20.41	20.41	21.5	0.0	
100	PI2 BPSK	135	6	20.33	20.33	20.33	21.5	0.0	
100	PI2 BPSK	135	66	20.45	20.45	20.45	21.5	0.0	
100	PI2 BPSK	135	136	20.34	20.34	20.34	21.5	0.0	
100	PI2 BPSK	270	6	20.28	20.28	20.28	21.5	0.0	
100	QPSK	1	1	20.62	20.62	20.62			
100	QPSK	1	137	20.64	20.64	20.64	21.5	0.0	
100	QPSK	1	271	20.47	20.47	20.47	21.5	0.0	
100	QPSK	135	6	20.49	20.49	20.49	21.5	0.0	
100	QPSK	135	66	20.55	20.55	20.55	21.5	0.0	
100	QPSK	135	136	20.48	20.48	20.48	21.5	0.0	
100	QPSK	270	6	20.42	20.42	20.42	21.5	0.0	
100	16QAM	1	1	20.54	20.54	20.54	21.5	0.0	
100	64QAM	1	1	20.55	20.55	20.55	21.5	0.0	
100	256QAM	1	1	20.51	20.51	20.51	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.47	20.47	20.43	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.43	20.54	20.46	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.47	20.58	20.42	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.47	20.48	20.50	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.45	20.53	20.44	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.45	20.52	20.42	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.52	20.56	20.44	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.49	20.52	20.43	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.52	20.55	20.47	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.53	20.55	20.43	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.43	20.61	20.50	21.5	0.0	



Part270_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	17.85	17.84	17.75	18.5	0.0	
100	PIQ BPSK	1	137	17.49	17.65	17.68	18.5	0.0	
100	PIQ BPSK	1	271	17.82	17.80	17.71	18.5	0.0	
100	PIQ BPSK	135	0	17.35	17.63	17.45	18.5	0.0	
100	PIQ BPSK	135	69	17.51	17.69	17.62	18.5	0.0	
100	PIQ BPSK	135	135	17.24	17.61	17.66	18.5	0.0	
100	PIQ BPSK	270	0	17.48	17.55	17.50	18.5	0.0	
100	QPSK	1	1	17.74	17.50	17.51	18.5	0.0	
100	QPSK	1	137	17.49	17.75	17.74	18.5	0.0	
100	QPSK	1	271	17.87	17.85	17.75	18.5	0.0	
100	QPSK	135	0	17.47	17.71	17.57	18.5	0.0	
100	QPSK	135	69	17.59	17.65	17.61	18.5	0.0	
100	QPSK	135	135	17.49	17.74	17.63	18.5	0.0	
100	QPSK	270	0	17.54	17.58	17.55	18.5	0.0	
100	84QAM	1	1	17.60	17.85	17.71	18.5	0.0	
100	84QAM	1	1	17.66	17.77	17.73	18.5	0.0	
100	256QAM	1	1	17.85	17.85	17.68	18.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.59	17.79	17.69	18.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.89	17.85	17.69	18.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	17.84	17.78	17.74	18.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.86	17.75	17.66	18.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.86	17.80	17.68	18.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.87	17.79	17.63	18.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.81	17.80	17.74	18.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	17.80	17.83	17.72	18.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.86	17.74	17.72	18.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	17.86	17.83	17.67	18.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	17.81	17.81	17.68	18.5	0.0	

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	20.54	20.62	20.63	21.5	0.0	
100	PIQ BPSK	1	137	20.56	20.65	20.52	21.5	0.0	
100	PIQ BPSK	1	271	20.60	20.58	20.58	21.5	0.0	
100	PIQ BPSK	135	0	20.52	20.56	20.43	21.5	0.0	
100	PIQ BPSK	135	69	20.57	20.60	20.56	21.5	0.0	
100	PIQ BPSK	135	135	20.54	20.44	20.49	21.5	0.0	
100	PIQ BPSK	270	0	20.60	20.49	20.49	21.5	0.0	
100	QPSK	1	1	20.70	20.67	20.70	21.5	0.0	
100	QPSK	1	137	20.68	20.70	20.63	21.5	0.0	
100	QPSK	1	271	20.70	20.70	20.65	21.5	0.0	
100	QPSK	135	0	20.60	20.62	20.58	21.5	0.0	
100	QPSK	135	69	20.59	20.59	20.54	21.5	0.0	
100	QPSK	135	135	20.59	20.58	20.54	21.5	0.0	
100	QPSK	270	0	20.55	20.50	20.54	21.5	0.0	
100	84QAM	1	1	20.64	20.70	20.68	21.5	0.0	
100	84QAM	1	1	20.60	20.78	20.68	21.5	0.0	
100	256QAM	1	1	20.70	20.78	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.63	20.70	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.68	20.73	20.63	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.69	20.66	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.60	20.69	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.63	20.70	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.70	20.71	20.63	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.64	20.66	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.70	20.66	20.66	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.63	20.67	20.66	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.67	20.71	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.68	20.72	20.67	21.5	0.0	



Part27Q_n78_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	17.48	17.48	17.48				
100	PI2 BPSK	1	137	17.59	17.59	17.59	18.5	0.0		
100	PI2 BPSK	1	271	17.54	17.54	17.54				
100	PI2 BPSK	135	0	17.45	17.45	17.45	18.5	0.0		
100	PI2 BPSK	135	69	17.52	17.52	17.52	18.5	0.0		
100	PI2 BPSK	135	138	17.40	17.40	17.40	18.5	0.0		
100	PI2 BPSK	270	0	17.50	17.50	17.50				
100	QPSK	1	1	17.75	17.75	17.75				
100	QPSK	1	137	17.64	17.64	17.64	18.5	0.0		
100	QPSK	1	271	17.67	17.67	17.67				
100	QPSK	135	0	17.58	17.58	17.58	18.5	0.0		
100	QPSK	135	69	17.53	17.53	17.53	18.5	0.0		
100	QPSK	135	138	17.48	17.48	17.48	18.5	0.0		
100	QPSK	270	0	17.53	17.53	17.53				
100	16QAM	1	1	17.65	17.65	17.65	18.5	0.0		
100	64QAM	1	1	17.63	17.63	17.63	18.5	0.0		
100	256QAM	1	1	17.62	17.62	17.62	18.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.49	17.85	17.85	18.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.68	17.65	17.55	18.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.54	17.70	17.67	18.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.48	17.69	17.67	18.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.54	17.62	17.65	18.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.49	17.61	17.65	18.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.53	17.68	17.62	18.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.53	17.61	17.65	18.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.49	17.67	17.63	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.54	17.69	17.62	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.50	17.62	17.60	18.5	0.0		

Part27Q_n78(HPUe)_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	20.47	20.47	20.47				
100	PI2 BPSK	1	137	20.37	20.37	20.37	21.5	0.0		
100	PI2 BPSK	1	271	20.30	20.30	20.30				
100	PI2 BPSK	135	0	20.21	20.21	20.21	21.5	0.0		
100	PI2 BPSK	135	69	20.33	20.33	20.33	21.5	0.0		
100	PI2 BPSK	135	138	20.16	20.16	20.16	21.5	0.0		
100	PI2 BPSK	270	0	20.39	20.39	20.39				
100	QPSK	1	1	20.57	20.57	20.57				
100	QPSK	1	137	20.41	20.41	20.41	21.5	0.0		
100	QPSK	1	271	20.51	20.51	20.51				
100	QPSK	135	0	20.38	20.38	20.38	21.5	0.0		
100	QPSK	135	69	20.44	20.44	20.44	21.5	0.0		
100	QPSK	135	138	20.29	20.29	20.29	21.5	0.0		
100	QPSK	270	0	20.25	20.25	20.25				
100	16QAM	1	1	20.48	20.48	20.48	21.5	0.0		
100	64QAM	1	1	20.46	20.46	20.46	21.5	0.0		
100	256QAM	1	1	20.48	20.48	20.48	21.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	20.37	20.46	20.46	21.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	20.42	20.48	20.40	21.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	20.38	20.49	20.49	21.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	20.32	20.45	20.45	21.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.38	20.46	20.42	21.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	20.37	20.44	20.41	21.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	20.38	20.44	20.45	21.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	20.34	20.43	20.42	21.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	20.35	20.43	20.39	21.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	20.42	20.43	20.40	21.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.39	20.40	20.40	21.5	0.0		

Part27Q_n78_Ant 3										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	PI2 BPSK	1	1	17.75	17.75	17.75				
100	PI2 BPSK	1	137	17.66	17.66	17.66	18.5	0.0		
100	PI2 BPSK	1	271	17.69	17.69	17.69				
100	PI2 BPSK	135	0	17.57	17.57	17.57	18.5	0.0		
100	PI2 BPSK	135	69	17.68	17.68	17.68	18.5	0.0		
100	PI2 BPSK	135	138	17.51	17.51	17.51	18.5	0.0		
100	PI2 BPSK	270	0	17.50	17.50	17.50				
100	QPSK	1	1	17.85	17.85	17.85				
100	QPSK	1	137	17.72	17.72	17.72	18.5	0.0		
100	QPSK	1	271	17.78	17.78	17.78				
100	QPSK	135	0	17.62	17.62	17.62	18.5	0.0		
100	QPSK	135	69	17.65	17.65	17.65	18.5	0.0		
100	QPSK	135	138	17.64	17.64	17.64	18.5	0.0		
100	QPSK	270	0	17.63	17.63	17.63				
100	16QAM	1	1	17.76	17.76	17.76	18.5	0.0		
100	64QAM	1	1	17.71	17.71	17.71	18.5	0.0		
100	256QAM	1	1	17.76	17.76	17.76	18.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.62	17.78	17.83	18.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.63	17.71	17.66	18.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.54	17.73	17.68	18.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.62	17.71	17.69	18.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.60	17.72	17.65	18.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.54	17.74	17.70	18.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.62	17.77	17.68	18.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.60	17.74	17.62	18.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.56	17.79	17.62	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.62	17.72	17.71	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.62	17.69	17.63	18.5	0.0		



Part27O_n78(HPUE)_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
	Channel			64800	65000	65200	20.57	0.0
	Frequency (MHz)			3745.02	3750	3754.98		
100	PI2 BPSK	1	1	20.57	20.79	20.87	21.5	0.0
100	PI2 BPSK	1	137	20.63				
100	PI2 BPSK	1	271	20.58			21.5	0.0
100	PI2 BPSK	135	0	20.48				
100	PI2 BPSK	135	69	20.64			21.5	0.0
100	PI2 BPSK	135	138	20.49				
100	PI2 BPSK	270	0	20.51			21.5	0.0
100	QPSK	1	1	20.71				
100	QPSK	1	137	20.71			21.5	0.0
100	QPSK	1	271	20.71				
100	QPSK	135	0	20.60			21.5	0.0
100	QPSK	135	69	20.59				
100	QPSK	135	138	20.61			21.5	0.0
100	QPSK	270	0	20.61				
100	16QAM	1	1	20.72			21.5	0.0
100	16QAM	1	1	20.72				
100	16QAM	1	1	20.73			21.5	0.0
	Channel			65000	65200	65400	20.57	0.0
	Frequency (MHz)			3745.02	3750	3754.98		
80	QPSK	1	1	20.57	20.79	20.87	21.5	0.0
	Channel			65000	65200	65400	20.57	0.0
	Frequency (MHz)			3740.01	3750	3759.99		
80	QPSK	1	1	20.57	20.79	20.88	21.5	0.0
	Channel			65000	65200	65400	20.57	0.0
	Frequency (MHz)			3735	3750	3765		
70	QPSK	1	1	20.57	20.73	20.86	21.5	0.0
	Channel			65000	65200	65400	20.57	0.0
	Frequency (MHz)			3730.02	3750	3769.98		
60	QPSK	1	1	20.56	20.71	20.81	21.5	0.0
	Channel			65000	65200	65400	20.56	0.0
	Frequency (MHz)			3725.01	3750	3774.99		
50	QPSK	1	1	20.57	20.79	20.80	21.5	0.0
	Channel			65000	65200	65400	20.57	0.0
	Frequency (MHz)			3720	3750	3760		
40	QPSK	1	1	20.58	20.71	20.85	21.5	0.0
	Channel			65000	65200	65400	20.58	0.0
	Frequency (MHz)			3715.02	3750	3764.98		
30	QPSK	1	1	20.52	20.75	20.86	21.5	0.0
	Channel			65000	65200	65400	20.52	0.0
	Frequency (MHz)			3712.5	3750	3787.5		
25	QPSK	1	1	20.52	20.73	20.81	21.5	0.0
	Channel			65000	65200	65400	20.52	0.0
	Frequency (MHz)			3710.51	3750	3789.50		
20	QPSK	1	1	20.60	20.70	20.80	21.5	0.0
	Channel			65000	65200	65400	20.60	0.0
	Frequency (MHz)			3707.52	3750	3792.48		
15	QPSK	1	1	20.52	20.72	20.80	21.5	0.0
	Channel			65000	65200	65400	20.52	0.0
	Frequency (MHz)			3705	3750	3795		
10	QPSK	1	1	20.55	20.73	20.80	21.5	0.0



Part27Q_n78_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.15	15.15	15.15	16.0	0.0
100	PI2 BPSK	1	137	15.08	15.08	15.08	16.0	0.0
100	PI2 BPSK	1	271	14.97	14.97	14.97	16.0	0.0
100	PI2 BPSK	135	0	14.96	14.96	14.96	16.0	0.0
100	PI2 BPSK	135	69	14.95	14.95	14.95	16.0	0.0
100	PI2 BPSK	135	138	14.89	14.89	14.89	16.0	0.0
100	PI2 BPSK	270	0	14.90	14.90	14.90	16.0	0.0
100	QPSK	1	1	15.25	15.25	15.25	16.0	0.0
100	QPSK	1	137	15.16	15.16	15.16	16.0	0.0
100	QPSK	1	271	15.12	15.12	15.12	16.0	0.0
100	QPSK	135	0	15.05	15.05	15.05	16.0	0.0
100	QPSK	135	69	15.00	15.00	15.00	16.0	0.0
100	QPSK	135	138	14.99	14.99	14.99	16.0	0.0
100	QPSK	270	0	15.01	15.01	15.01	16.0	0.0
100	16QAM	1	1	15.19	15.19	15.19	16.0	0.0
100	64QAM	1	1	15.19	15.19	15.19	16.0	0.0
100	256QAM	1	1	15.10	15.10	15.10	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.04	15.20	15.00	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.03	15.17	15.04	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.98	15.18	14.97	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.98	15.13	15.00	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.03	15.15	15.07	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.00	15.14	14.99	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.96	15.13	14.98	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.03	15.20	15.00	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.03	15.17	15.04	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.02	15.19	15.08	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	14.99	15.14	15.01	16.0	0.0

Part27Q_n78(HPUe)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	18.17	18.17	18.17	19.0	0.0
100	PI2 BPSK	1	137	18.03	18.03	18.03	19.0	0.0
100	PI2 BPSK	1	271	18.01	18.01	18.01	19.0	0.0
100	PI2 BPSK	135	0	17.99	17.99	17.99	19.0	0.0
100	PI2 BPSK	135	69	18.07	18.07	18.07	19.0	0.0
100	PI2 BPSK	135	138	18.01	18.01	18.01	19.0	0.0
100	PI2 BPSK	270	0	18.08	18.08	18.08	19.0	0.0
100	QPSK	1	1	18.27	18.27	18.27	19.0	0.0
100	QPSK	1	137	18.17	18.17	18.17	19.0	0.0
100	QPSK	1	271	18.14	18.14	18.14	19.0	0.0
100	QPSK	135	0	18.09	18.09	18.09	19.0	0.0
100	QPSK	135	69	18.22	18.22	18.22	19.0	0.0
100	QPSK	135	138	18.09	18.09	18.09	19.0	0.0
100	QPSK	270	0	18.12	18.12	18.12	19.0	0.0
100	16QAM	1	1	18.21	18.21	18.21	19.0	0.0
100	64QAM	1	1	18.22	18.22	18.22	19.0	0.0
100	256QAM	1	1	18.14	18.14	18.14	19.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.99	18.15	18.04	19.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.00	18.21	18.00	19.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.00	18.13	18.02	19.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.98	18.16	18.06	19.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.98	18.15	18.02	19.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.98	18.15	18.02	19.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.01	18.19	18.01	19.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	18.01	18.13	18.01	19.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.08	18.14	18.09	19.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	17.97	18.21	18.02	19.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	18.03	18.14	18.06	19.0	0.0

Part27Q_n78_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.15	15.15	15.15	16.0	0.0
100	PI2 BPSK	1	137	15.13	15.13	15.13	16.0	0.0
100	PI2 BPSK	1	271	15.08	15.08	15.08	16.0	0.0
100	PI2 BPSK	135	0	14.92	14.92	14.92	16.0	0.0
100	PI2 BPSK	135	69	14.91	14.91	14.91	16.0	0.0
100	PI2 BPSK	135	138	14.94	14.94	14.94	16.0	0.0
100	PI2 BPSK	270	0	15.03	15.03	15.03	16.0	0.0
100	QPSK	1	1	15.25	15.25	15.25	16.0	0.0
100	QPSK	1	137	15.16	15.16	15.16	16.0	0.0
100	QPSK	1	271	15.16	15.16	15.16	16.0	0.0
100	QPSK	135	0	15.04	15.04	15.04	16.0	0.0
100	QPSK	135	69	15.06	15.06	15.06	16.0	0.0
100	QPSK	135	138	15.01	15.01	15.01	16.0	0.0
100	QPSK	270	0	15.11	15.11	15.11	16.0	0.0
100	16QAM	1	1	15.21	15.21	15.21	16.0	0.0
100	64QAM	1	1	15.15	15.15	15.15	16.0	0.0
100	256QAM	1	1	15.18	15.18	15.18	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.12	15.18	15.09	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.15	15.22	15.09	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.12	15.15	15.09	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.17	15.20	15.07	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.10	15.24	15.02	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.12	15.23	15.11	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.03	15.16	15.02	16.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.03	15.17	15.09	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.10	15.24	15.07	16.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.10	15.16	15.08	16.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	15.11	15.14	15.09	16.0	0.0



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				674	66000			
100	RUZ BPSK	1	1	18.02				
100	RUZ BPSK	1	137	17.81			19.0	0.0
100	RUZ BPSK	1	271	17.85				
100	RUZ BPSK	135	0	17.78			19.0	0.0
100	RUZ BPSK	135	69	17.91				
100	RUZ BPSK	135	138	17.84			19.0	0.0
100	RUZ BPSK	270	0	17.79				
100	QPSK	1	1	18.07				
100	QPSK	1	137	17.86			19.0	0.0
100	QPSK	1	271	17.84				
100	QPSK	135	0	17.91			19.0	0.0
100	QPSK	135	69	18.02				
100	QPSK	135	138	17.85			19.0	0.0
100	QPSK	270	0	17.89				
100	BQAM	1	1	17.86			19.0	0.0
100	BQAM	1	1	18.02			19.0	0.0
100	BQAM	1	1	17.92			19.0	0.0
Channel				64868	65000		65032	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	17.82	17.83	17.81	19.0	0.0
Channel				64832	65000		65064	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	17.82	18.01	17.85	19.0	0.0
Channel				64800	65000		65040	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.83	17.86	17.83	19.0	0.0
Channel				64768	65000		65088	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	17.82	17.85	17.84	19.0	0.0
Channel				64736	65000		65120	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	17.81	18.01	17.81	19.0	0.0
Channel				64700	65000		65160	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.82	17.83	17.82	19.0	0.0
Channel				64668	65000		65200	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	17.84	17.83	17.80	19.0	0.0
Channel				64632	65000		65240	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.80	17.82	17.81	19.0	0.0
Channel				64594	65000		65280	MPR (dB)
Frequency (MHz)				3710.51	3750	3789.50		
20	QPSK	1	1	17.77	17.83	17.83	19.0	0.0
Channel				64558	65000		65320	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.50		
15	QPSK	1	1	17.77	17.82	17.82	19.0	0.0
Channel				64520	65000		65360	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.84	18.02	17.80	19.0	0.0



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
63332								
Frequency (MHz)								
100	PI2 BPSK	1	1	12.96	3493.98	3554.99	14.0	0.0
100	PI2 BPSK	1	137	12.89				
100	PI2 BPSK	1	271	12.87			14.0	0.0
100	PI2 BPSK	135	0	12.80			14.0	0.0
100	PI2 BPSK	135	69	12.89			14.0	0.0
100	PI2 BPSK	135	138	12.84			14.0	0.0
100	PI2 BPSK	270	0	12.72			14.0	0.0
100	QPSK	1	1	13.02				
100	QPSK	1	137	13.01			14.0	0.0
100	QPSK	1	271	12.98				
100	QPSK	135	0	12.85			14.0	0.0
100	QPSK	135	69	12.86			14.0	0.0
100	QPSK	135	138	12.93			14.0	0.0
100	QPSK	270	0	12.83			14.0	0.0
100	8QAM	1	1	12.99			14.0	0.0
100	8QAM	1	1	12.96			14.0	0.0
100	25QAM	1	1	12.94			14.0	0.0
Channel								
63360								
Frequency (MHz)								
90	QPSK	1	1	12.71	13.80	12.78	14.0	0.0
Channel								
63388								
Frequency (MHz)								
80	QPSK	1	1	12.71	12.98	12.86	14.0	0.0
Channel								
63392								
Frequency (MHz)								
70	QPSK	1	1	12.73	12.91	12.79	14.0	0.0
Channel								
6400								
Frequency (MHz)								
60	QPSK	1	1	12.86	12.95	12.83	14.0	0.0
Channel								
6432								
Frequency (MHz)								
50	QPSK	1	1	12.87	12.96	12.81	14.0	0.0
Channel								
6450								
Frequency (MHz)								
40	QPSK	1	1	12.86	13.00	12.77	14.0	0.0
Channel								
6458								
Frequency (MHz)								
30	QPSK	1	1	12.74	12.98	12.83	14.0	0.0
Channel								
6462								
Frequency (MHz)								
25	QPSK	1	1	12.70	12.98	12.77	14.0	0.0
Channel								
6466								
Frequency (MHz)								
20	QPSK	1	1	12.70	12.99	12.72	14.0	0.0
Channel								
6468								
Frequency (MHz)								
15	QPSK	1	1	12.69	12.98	12.71	14.0	0.0
Channel								
6468								
Frequency (MHz)								
10	QPSK	1	1	12.70	12.97	12.82	14.0	0.0

Part27Q_n78(HPUe)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
63332								
Frequency (MHz)								
100	PI2 BPSK	1	1	15.91	3499.98	3560.99	17.0	0.0
100	PI2 BPSK	1	137	15.78			17.0	0.0
100	PI2 BPSK	1	271	15.82			17.0	0.0
100	PI2 BPSK	135	0	15.80			17.0	0.0
100	PI2 BPSK	135	69	15.81			17.0	0.0
100	PI2 BPSK	135	138	15.71			17.0	0.0
100	PI2 BPSK	270	0	15.69			17.0	0.0
100	QPSK	1	1	15.92				
100	QPSK	1	137	15.88			17.0	0.0
100	QPSK	1	271	15.92				
100	QPSK	135	0	15.86			17.0	0.0
100	QPSK	135	69	15.87			17.0	0.0
100	QPSK	135	138	15.85			17.0	0.0
100	QPSK	270	0	15.82			17.0	0.0
100	8QAM	1	1	15.90			17.0	0.0
100	8QAM	1	1	15.89			17.0	0.0
100	25QAM	1	1	15.90			17.0	0.0
Channel								
63360								
Frequency (MHz)								
90	QPSK	1	1	15.74	15.97	15.91	17.0	0.0
Channel								
63388								
Frequency (MHz)								
80	QPSK	1	1	15.79	15.86	15.88	17.0	0.0
Channel								
63392								
Frequency (MHz)								
70	QPSK	1	1	15.81	15.88	15.86	17.0	0.0
Channel								
6400								
Frequency (MHz)								
60	QPSK	1	1	15.76	15.94	15.83	17.0	0.0
Channel								
6432								
Frequency (MHz)								
50	QPSK	1	1	15.83	15.98	15.89	17.0	0.0
Channel								
6450								
Frequency (MHz)								
40	QPSK	1	1	15.79	15.99	15.87	17.0	0.0
Channel								
6458								
Frequency (MHz)								
30	QPSK	1	1	15.79	15.96	15.86	17.0	0.0
Channel								
6462								
Frequency (MHz)								
25	QPSK	1	1	15.74	15.93	15.86	17.0	0.0
Channel								
6466								
Frequency (MHz)								
20	QPSK	1	1	15.78	15.94	15.89	17.0	0.0
Channel								
6468								
Frequency (MHz)								
15	QPSK	1	1	15.78	15.93	15.83	17.0	0.0
Channel								
6468								
Frequency (MHz)								
10	QPSK	1	1	15.73	15.97	15.85	17.0	0.0

Part27O_n78_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
63332								
Frequency (MHz)								
100	PI2 BPSK	1	1	13.19	3493.98	3554.99	14.0	0.0
100	PI2 BPSK	1	137	13.14				
100	PI2 BPSK	1	271	12.99			14.0	0.0
100	PI2 BPSK	135	0	12.87			14.0	0.0
100	PI2 BPSK	135	69	12.89			14.0	0.0
100	PI2 BPSK	135	138	12.96			14.0	0.0
100	PI2 BPSK	270	0	12.85			14.0	0.0
100	QPSK	1	1	13.35				
100	QPSK	1	137	13.28			14.0	0.0
100	QPSK	1	271	13.11				
100	QPSK	135	0	13.02			14.0	0.0
100	QPSK	135	69	13.06			14.0	0.0
100	QPSK	135	138	13.08			14.0	0.0
100	QPSK	270	0	13.11			14.0	0.0
100	8QAM	1	1	13.18			14.0	0.0
100	8QAM	1	1	13.14			14.0	0.0
100	25QAM	1	1	13.21			14.0	0.0
Channel								
63360								
Frequency (MHz)								
90	QPSK	1	1	12.89	13.12	12.88	14.0	0.0
Channel								
63388								
Frequency (MHz)								
80	QPSK	1	1	12.84	13.19	12.80	14.0	0.0
Channel								
63392								
Frequency (MHz)								
70	QPSK	1	1	12.86	13.16	12.84	14.0	0.0
Channel								
6400								
Frequency (MHz)								
60	QPSK	1	1	12.90	13.13	12.82	14.0	0.0
Channel								
6432								
Frequency (MHz)								
50	QPSK	1	1	12.88	13.19	12.86	14.0	0.0
Channel								
6450								
Frequency (MHz)								
40	QPSK	1	1	12.81	13.21	12.90	14.0	0.0
Channel								
6458								
Frequency (MHz)								
30	QPSK	1	1	12.82	13.19	12.86	14.0	0.0
Channel								
6462								
Frequency (MHz)								
25	QPSK	1	1	12.71	13.14	12.81	14.0	0.0
Channel								
6466								
Frequency (MHz)								
20	QPSK	1	1	12.70	13.18	12.89	14.0	0.0
Channel								
6468								
Frequency (MHz)								
15	QPSK	1	1	12.68	13.21	12.84	14.0	0.0
Channel								
6468								
Frequency (MHz)								
10	QPSK	1	1	12.68	13.12	12.97	14.0	0.0



Part27O_n78(HPUE)_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	RUZ BPSK	1	1	16.02	16.02	16.02		
100	RUZ BPSK	1	137	15.99	15.99	15.99	17.0	0.0
100	RUZ BPSK	1	271	15.95	15.95	15.95	17.0	0.0
100	RUZ BPSK	135	0	15.77	15.77	15.77	17.0	0.0
100	RUZ BPSK	135	69	15.88	15.88	15.88	17.0	0.0
100	RUZ BPSK	135	138	15.73	15.73	15.73	17.0	0.0
100	RUZ BPSK	270	0	15.72	15.72	15.72	17.0	0.0
100	QPSK	1	1	16.00	16.00	16.00		
100	QPSK	1	137	16.04	16.04	16.04	17.0	0.0
100	QPSK	1	271	15.99	15.99	15.99	17.0	0.0
100	QPSK	135	0	15.98	15.98	15.98	17.0	0.0
100	QPSK	135	69	15.94	15.94	15.94	17.0	0.0
100	QPSK	135	138	15.84	15.84	15.84	17.0	0.0
100	QPSK	270	0	15.87	15.87	15.87	17.0	0.0
100	BQAM	1	1	16.00	16.00	16.00	17.0	0.0
100	BQAM	1	1	16.01	16.01	16.01	17.0	0.0
100	BQAM	1	1	16.04	16.04	16.04	17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.00	16.00	16.00	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.76	16.03	15.82	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	15.85	15.98	15.81	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.79	15.99	15.83	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.75	16.01	15.82	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.83	15.97	15.83	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.88	15.95	15.76	17.0	0.0
Channel								
Frequency (MHz)								
25	QPSK	1	1	15.84	16.04	15.74	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.73	15.97	15.77	17.0	0.0
Channel								
Frequency (MHz)								
15	QPSK	1	1	15.78	15.88	15.84	17.0	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	16.01	16.01	16.00	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	17.92	17.92					
100	PI2 BPSK	1	137	17.56						
100	PI2 BPSK	1	271	17.30			18.5	0.0		
100	PI2 BPSK	135	0	17.44						
100	PI2 BPSK	135	69	17.40			18.5	0.0		
100	PI2 BPSK	135	138	17.33			18.5	0.0		
100	PI2 BPSK	270	0	17.20						
100	QPSK	1	1	17.74						
100	QPSK	1	137	17.68			18.5	0.0		
100	QPSK	1	271	17.64						
100	QPSK	135	0	17.53			18.5	0.0		
100	QPSK	135	69	17.50			18.5	0.0		
100	QPSK	135	138	17.47			18.5	0.0		
100	QPSK	270	0	17.44						
100	16QAM	1	1	17.07			18.5	0.0		
100	64QAM	1	1	17.09			18.5	0.0		
100	256QAM	1	1	17.08			18.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.47	17.88	17.45	18.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.41	17.59	17.50	18.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.38	17.61	17.46	18.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.41	17.69	17.47	18.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.47	17.63	17.47	18.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.46	17.67	17.63	18.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.44	17.69	17.46	18.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.48	17.59	17.44	18.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.42	17.68	17.42	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.44	17.56	17.43	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.45	17.66	17.47	18.5	0.0		

Part27Q_n78(HPUe)_Ant 8										
BW (MHz)	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	20.49	20.49					
100	PI2 BPSK	1	137	20.33			21.5	0.0		
100	PI2 BPSK	1	271	20.47						
100	PI2 BPSK	135	0	20.38			21.5	0.0		
100	PI2 BPSK	135	69	20.46			21.5	0.0		
100	PI2 BPSK	135	138	20.34			21.5	0.0		
100	PI2 BPSK	270	0	20.35						
100	QPSK	1	1	20.01						
100	QPSK	1	137	20.46			21.5	0.0		
100	QPSK	1	271	20.55						
100	QPSK	135	0	20.46			21.5	0.0		
100	QPSK	135	69	20.55			21.5	0.0		
100	QPSK	135	138	20.46			21.5	0.0		
100	QPSK	270	0	20.41						
100	16QAM	1	1	20.53			21.5	0.0		
100	64QAM	1	1	20.51			21.5	0.0		
100	256QAM	1	1	20.54			21.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	20.32	20.55	20.34	21.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	20.30	20.50	20.31	21.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	20.34	20.52	20.31	21.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	20.35	20.47	20.34	21.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	20.33	20.53	20.30	21.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	20.33	20.46	20.37	21.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	20.37	20.53	20.30	21.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	20.35	20.49	20.38	21.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	20.37	20.48	20.37	21.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	20.39	20.42	20.38	21.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	20.32	20.42	20.30	21.5	0.0		

Part27Q_n78_Ant 8										
BW (MHz)	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	17.80	17.80					
100	PI2 BPSK	1	137	17.61			18.5	0.0		
100	PI2 BPSK	1	271	17.74						
100	PI2 BPSK	135	0	17.66			18.5	0.0		
100	PI2 BPSK	135	69	17.58			18.5	0.0		
100	PI2 BPSK	135	138	17.51			18.5	0.0		
100	PI2 BPSK	270	0	17.49						
100	QPSK	1	1	17.65						
100	QPSK	1	137	17.74			18.5	0.0		
100	QPSK	1	271	17.80						
100	QPSK	135	0	17.60			18.5	0.0		
100	QPSK	135	69	17.63			18.5	0.0		
100	QPSK	135	138	17.60			18.5	0.0		
100	QPSK	270	0	17.61						
100	16QAM	1	1	17.78			18.5	0.0		
100	64QAM	1	1	17.72			18.5	0.0		
100	256QAM	1	1	17.76			18.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	17.65	17.77	17.57	18.5	0.0		
Channel										
Frequency (MHz)										
80	QPSK	1	1	17.67	17.74	17.62	18.5	0.0		
Channel										
Frequency (MHz)										
70	QPSK	1	1	17.69	17.79	17.64	18.5	0.0		
Channel										
Frequency (MHz)										
60	QPSK	1	1	17.69	17.80	17.64	18.5	0.0		
Channel										
Frequency (MHz)										
50	QPSK	1	1	17.62	17.80	17.67	18.5	0.0		
Channel										
Frequency (MHz)										
40	QPSK	1	1	17.62	17.73	17.59	18.5	0.0		
Channel										
Frequency (MHz)										
30	QPSK	1	1	17.62	17.73	17.57	18.5	0.0		
Channel										
Frequency (MHz)										
25	QPSK	1	1	17.71	17.72	17.57	18.5	0.0		
Channel										
Frequency (MHz)										
20	QPSK	1	1	17.70	17.75	17.63	18.5	0.0		
Channel										
Frequency (MHz)										
15	QPSK	1	1	17.65	17.76	17.65	18.5	0.0		
Channel										
Frequency (MHz)										
10	QPSK	1	1	17.64	17.76	17.65	18.5	0.0		



Part270_n78(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				66000					
Frequency (MHz)				20.42					
100	PQ2 BPSK	1	1	20.44			21.5	0.0	
100	PQ2 BPSK	1	137	20.55					
100	PQ2 BPSK	1	271	20.54					
100	PQ2 BPSK	135	0	20.37			21.5	0.0	
100	PQ2 BPSK	135	69	20.42			21.5	0.0	
100	PQ2 BPSK	135	138	20.30			21.5	0.0	
100	PQ2 BPSK	270	0	20.26					
100	QPSK	1	1	20.59			21.5	0.0	
100	QPSK	1	137	20.40					
100	QPSK	1	271	20.59					
100	QPSK	135	0	20.44			21.5	0.0	
100	QPSK	135	69	20.50			21.5	0.0	
100	QPSK	135	138	20.42			21.5	0.0	
100	QPSK	270	0	20.41					
100	16QAM	1	1	20.57			21.5	0.0	
100	64QAM	1	1	20.54			21.5	0.0	
100	256QAM	1	1	20.55			21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3745.02	3750	3754.98			
90	QPSK	1	1	20.43	20.83	20.50	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3740.01	3750	3759.99			
80	QPSK	1	1	20.35	20.60	20.54	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3735	3750	3765			
70	QPSK	1	1	20.36	20.67	20.52	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3730.02	3750	3769.98			
60	QPSK	1	1	20.37	20.55	20.44	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3725.01	3750	3774.99			
50	QPSK	1	1	20.34	20.54	20.40	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3720	3750	3780			
40	QPSK	1	1	20.34	20.63	20.47	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3715.02	3750	3784.98			
30	QPSK	1	1	20.41	20.60	20.53	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3710.01	3750	3787.5			
25	QPSK	1	1	20.36	20.61	20.46	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3710.01	3750	3788.99			
20	QPSK	1	1	20.36	20.54	20.45	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3707.52	3750	3792.48			
15	QPSK	1	1	20.41	20.61	20.47	21.5	0.0	
Channel				66000	66000	66000			
Frequency (MHz)				3705	3750	3795			
10	QPSK	1	1	20.40	20.64	20.64	21.5	0.0	

**Reduced Power Mode for DSI12**

n2_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	1870	1880	1890			
40	PI2 BPSK	1	108	22.88	22.95	22.91			
40	PI2 BPSK	1	214	22.87	22.90	22.82	24.0	0.0	
40	PI2 BPSK	1	214	22.76	22.88	22.77			
40	PI2 BPSK	108	0	22.41	22.51	22.43	23.5	0.0	
40	PI2 BPSK	108	54	22.81	22.86	22.84	24.0	0.0	
40	PI2 BPSK	108	108	22.34	22.48	22.47			
40	PI2 BPSK	216	0	22.37	22.44	22.34	23.5	0.5	
40	QPSK	1	1	22.59	23.00	22.91			
40	QPSK	1	108	22.83	22.90	22.89	24.0	0.0	
40	QPSK	1	214	22.88	22.95	22.82			
40	QPSK	108	0	21.94	22.05	21.94	23.0	1.0	
40	QPSK	108	54	22.91	22.94	22.91	24.0	0.0	
40	QPSK	108	108	21.88	22.01	21.93			
40	QPSK	216	0	21.88	21.98	21.89	23.0	1.0	
40	16QAM	1	1	21.92	22.00	21.87	23.0	1.0	
40	16QAM	1	1	20.50	20.56	20.55	21.5	2.5	
40	256QAM	1	1	18.48	18.50	18.39	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	373000	376000	375000	Tune-up limit (dBm)	MPR (dB)	
				1892.5	1890	1892.5	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	373000	376000	375000	Tune-up limit (dBm)	MPR (dB)	
				1865	1880	1885	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	372000	375000	375000	Tune-up limit (dBm)	MPR (dB)	
				1862.5	1880	1897.5	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	371000	376000	385000	Tune-up limit (dBm)	MPR (dB)	
				187.5	1880	1922.5	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
				1865	1880	1895	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	370000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
				1852.5	1880	1907.5	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	370000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
				1859	1890	1912.5	24.0	0.0	

n7_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	2020	2035	2050			
40	PI2 BPSK	1	108	22.28	22.30	22.18			
40	PI2 BPSK	1	214	22.19	22.27	22.21	23.0	0.0	
40	PI2 BPSK	1	214	22.24	22.26	22.26			
40	PI2 BPSK	108	0	22.25	22.26	22.27	23.0	0.0	
40	PI2 BPSK	108	54	22.20	22.20	22.14	23.0	0.0	
40	PI2 BPSK	108	108	22.19	22.21	22.20			
40	PI2 BPSK	216	0	22.31	22.31	22.17	23.0	0.0	
40	QPSK	1	1	22.33	22.35	22.28			
40	QPSK	1	108	22.20	22.21	22.18	23.0	0.0	
40	QPSK	1	214	22.29	22.21	22.13			
40	QPSK	108	0	22.25	22.30	22.22	23.0	0.0	
40	QPSK	108	54	22.28	22.32	22.25	23.0	0.0	
40	QPSK	108	108	22.24	22.30	22.19			
40	QPSK	216	0	22.17	22.28	22.16	23.0	0.0	
40	16QAM	1	1	22.26	22.28	22.15	23.0	0.0	
40	16QAM	1	1	20.76	20.88	20.76	21.5	1.5	
40	256QAM	1	1	18.81	18.88	18.78	19.5	3.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
				2515	2535	2555	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	503000	507000	511000	Tune-up limit (dBm)	MPR (dB)	
				2512.5	2535	2557.5	23.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	502000	507000	512000	Tune-up limit (dBm)	MPR (dB)	
				2507.5	2535	2562.5	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	501000	507000	513000	Tune-up limit (dBm)	MPR (dB)	
				2505	2535	2565	23.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	500000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
				2502.5	2535	2597.5	23.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	499000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
				2500	2535	2595	23.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	498000	507000	515000	Tune-up limit (dBm)	MPR (dB)	
				2497.5	2535	2597.5	23.0	0.0	

n25_Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	PI2 BPSK	1	1	1870	1882.5	1885			
40	PI2 BPSK	1	108	23.13	23.21	23.08			
40	PI2 BPSK	1	214	23.14	23.15	23.09	24.0	0.0	
40	PI2 BPSK	1	214	23.08	23.18	23.07			
40	PI2 BPSK	108	0	22.73	22.80	22.73	23.5	0.5	
40	PI2 BPSK	108	54	23.12	23.19	23.07	24.0	0.0	
40	PI2 BPSK	108	108	22.57	22.72	22.86			
40	PI2 BPSK	216	0	22.72	22.76	22.72	23.5	0.5	
40	QPSK	1	1	23.25	23.25	23.17			
40	QPSK	1	108	23.16	23.21	23.12	24.0	0.0	
40	QPSK	1	214	23.11	23.16	23.03			
40	QPSK	108	0	22.29	22.32	22.26	23.0	1.0	
40	QPSK	108	54	23.17	23.20	23.15	24.0	0.0	
40	QPSK	108	108	22.11	22.26	22.20			
40	QPSK	216	0	22.19	22.27	22.17	23.0	1.0	
40	16QAM	1	1	22.07	22.22	22.13	23.0	1.0	
40	16QAM	1	1	20.69	20.76	20.81	21.5	2.5	
40	256QAM	1	1	18.68	18.70	18.59	19.5	4.5	
Channel									
Frequency (MHz)									
35	QPSK	1	1	373000	376000	375000	Tune-up limit (dBm)	MPR (dB)	
				1892.5	1892.5	1897.5	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	373000	376000	380000	Tune-up limit (dBm)	MPR (dB)	
				1865	1882.5	1900	24.0	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	372000	376000	385000	Tune-up limit (dBm)	MPR (dB)	
				1862.5	1882.5	1902.5	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
				187.5	1882.5	1907.5	24.0	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	371000	376000	385000	Tune-up limit (dBm)	MPR (dB)	
				1865	1882.5	1910	24.0	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	370000	376000	385000	Tune-up limit (dBm)	MPR (dB)	
				1852.5	1882.5	1912.5	24.0	0.0	
Channel									
Frequency (MHz)									
5	QPSK	1	1	370000	376000	385000	Tune-up limit (dBm)	MPR (dB)	
				1859	1892.5	1912.5	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					
Frequency (MHz)				2310					
10	PI2 BPSK	1	1	23.15					
10	PI2 BPSK	1	25	23.09			24.0	0.0	
10	PI2 BPSK	1	50	23.12			23.5	0.5	
10	PI2 BPSK	25	0	22.87			24.0	0.0	
10	PI2 BPSK	25	14	23.13			24.0	0.0	
10	PI2 BPSK	25	27	22.69			23.5	0.5	
10	PI2 BPSK	50	0	22.85					
10	QPSK	1	1	23.18					
10	QPSK	1	26	23.12			24.0	0.0	
10	QPSK	1	50	23.07					
10	QPSK	25	0	22.22			23.0	1.0	
10	QPSK	25	14	23.10			24.0	0.0	
10	QPSK	25	27	22.18			23.0	1.0	
10	QPSK	50	0	22.15					
10	16QAM	1	1	22.00			23.0	1.0	
10	64QAM	1	1	20.55			21.5	2.5	
10	256QAM	1	1	18.53			19.5	4.5	
Channel				461500	462000	462500	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				2307.5	2310	2312.5	24.0	0.0	
5	QPSK	1	1	22.97	23.11	22.95	24.0	0.0	

n66_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				349000	349000	349000			
Frequency (MHz)				1730	1745	1760			
40	PI2 BPSK	1	1	23.28	23.40	23.30			
40	PI2 BPSK	1	108	23.31	23.32	23.27	24.0	0.0	
40	PI2 BPSK	1	214	23.27	23.35	23.31			
40	PI2 BPSK	108	0	22.91	22.84	22.87	23.5	0.5	
40	PI2 BPSK	108	54	23.37	23.41	23.34	24.0	0.0	
40	PI2 BPSK	108	108	22.86	22.90	22.88			
40	PI2 BPSK	216	0	22.91	22.97	22.92	23.5	0.5	
40	QPSK	1	1	23.35	23.44	23.35			
40	QPSK	1	108	23.32	23.40	23.27	24.0	0.0	
40	QPSK	1	214	23.29	23.37	23.29			
40	QPSK	108	0	22.24	22.38	22.37	23.0	1.0	
40	QPSK	108	54	23.35	23.40	23.25	24.0	0.0	
40	QPSK	108	108	22.24	22.33	22.18	23.0	1.0	
40	QPSK	216	0	22.30	22.35	22.24			
40	16QAM	1	1	22.34	22.37	22.34	23.0	1.0	
40	64QAM	1	1	20.75	20.85	20.79	21.5	2.5	
40	256QAM	1	1	18.69	18.80	18.69	19.5	4.5	
Channel				345000	349000	352000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1727.5	1745	1762.5	24.0	0.0	
35	QPSK	1	1	23.29	23.39	23.22	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1725	1745	1765			
30	QPSK	1	1	23.21	23.31	23.18	24.0	0.0	
Channel				345000	349000	353000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1722.5	1745	1767.5			
25	QPSK	1	1	23.31	23.31	23.23	24.0	0.0	
Channel				344000	349000	354000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	1	23.21	23.38	23.25	24.0	0.0	
Channel				343000	349000	354000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	1	23.27	23.32	23.17	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	1	23.28	23.34	23.24	24.0	0.0	
Channel				342000	349000	355000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	1	23.21	23.31	23.22	24.0	0.0	

n70_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				340000					
Frequency (MHz)				1702.5					
15	PI2 BPSK	1	1						
15	PI2 BPSK	1	40				24.0	0.0	
15	PI2 BPSK	1	77				23.5	0.5	
15	PI2 BPSK	36	0				23.5	0.5	
15	PI2 BPSK	36	22				24.0	0.0	
15	PI2 BPSK	36	43				23.5	0.5	
15	PI2 BPSK	75	0						
15	QPSK	1	1				23.42		
15	QPSK	1	40				23.35		
15	QPSK	1	77				23.31		
15	QPSK	36	0				23.50		
15	QPSK	36	22				23.37		
15	QPSK	36	43				23.44		
15	QPSK	75	0				22.48		
15	16QAM	1	1				22.49		
15	64QAM	1	1				21.00		
15	256QAM	1	1				18.00		
Channel				340000	340000	341000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				170	1702.5	1705	24.0	0.0	
10	QPSK	1	1	23.32	23.35	23.30	24.0	0.0	
Channel				339000	340000	341000	Tune-up limit (dB)	MPR (dB)	
Frequency (MHz)				1697.5	1702.5	1707.5	24.0	0.0	
5	QPSK	1	1	23.31	23.35	23.31	24.0	0.0	



n38_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				2592.02	2592	2592.88			
Frequency (MHz)									
40	PI/2 BPSK	1	1	22.99	23.10	23.06			
40	PI/2 BPSK	1	53	22.84	22.89	22.88	24.0	0.0	
40	PI/2 BPSK	1	104	22.75	22.88	22.75			
40	PI/2 BPSK	50	0	22.74	22.86	22.74	24.0	0.0	
40	PI/2 BPSK	50	28	22.88	22.92	22.82	24.0	0.0	
40	PI/2 BPSK	50	58	22.88	22.90	22.84	24.0	0.0	
40	PI/2 BPSK	100	0	22.78	22.85	22.82			
40	QPSK	1	1	23.09	23.12	22.99			
40	QPSK	1	53	22.89	22.75	22.88	24.0	0.0	
40	QPSK	1	104	22.54	22.86	22.51			
40	QPSK	50	0	22.39	22.49	22.35	23.5	0.5	
40	QPSK	50	28	22.31	22.88	22.25	24.0	0.0	
40	QPSK	50	58	22.43	22.45	22.30			
40	QPSK	100	0	22.29	22.40	22.35	23.5	0.5	
40	16QAM	1	1	22.36	22.48	22.39	23.5	0.5	
40	64QAM	1	1	20.96	21.00	20.94	22.0	2.0	
40	256QAM	1	1	18.34	18.36	18.37	20.0	4.0	
Channel				5170.02	518000	50998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	23.01	22.98	22.90	24.0	0.0	
Channel				516504	518000	521496	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	23.02	23.08	22.93	24.0	0.0	
Channel				516800	518000	520000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	22.99	23.07	22.90	24.0	0.0	
Channel				515502	518000	522498	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	22.94	23.00	22.94	24.0	0.0	
Channel				515004	518000	522996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	23.04	22.99	22.84	24.0	0.0	

FCC_n41_Ant 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	509202	509202			
Frequency (MHz)									
100	PI/2 BPSK	1	1	23.32	23.45	23.30			
100	PI/2 BPSK	1	137	23.32	23.41	23.30	24.0	0.0	
100	PI/2 BPSK	1	271	23.28	23.39	23.30			
100	PI/2 BPSK	135	0	23.24	23.39	23.36	24.0	0.0	
100	PI/2 BPSK	135	69	23.31	23.42	23.37	24.0	0.0	
100	PI/2 BPSK	135	138	23.32	23.36	23.37	24.0	0.0	
100	PI/2 BPSK	270	0	23.36	23.44	23.33			
100	QPSK	1	1	23.37	23.47	23.33			
100	QPSK	1	137	23.29	23.30	23.18	24.0	0.0	
100	QPSK	1	271	23.28	23.41	23.31			
100	QPSK	135	0	23.25	23.40	23.36	24.0	0.0	
100	QPSK	135	69	23.39	23.43	23.40	24.0	0.0	
100	QPSK	135	138	23.26	23.39	23.28			
100	QPSK	270	0	23.38	23.44	23.33	24.0	0.0	
100	16QAM	1	1	23.28	23.35	23.25	24.0	0.0	
100	64QAM	1	1	23.24	23.34	23.24	24.0	0.0	
100	256QAM	1	1	22.38	22.40	22.33	23.0	1.0	
Channel				508200	518598	50898	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
90	QPSK	1	1	23.29	23.41	23.27	24.0	0.0	
Channel				507204	518598	509998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
80	QPSK	1	1	23.22	23.33	23.27	24.0	0.0	
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
70	QPSK	1	1	23.29	23.40	23.26	24.0	0.0	
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
60	QPSK	1	1	23.24	23.32	23.26	24.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
50	QPSK	1	1	23.26	23.36	23.20	24.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
40	QPSK	1	1	23.22	23.34	23.27	24.0	0.0	
Channel				502200	518598	534998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
30	QPSK	1	1	23.28	23.42	23.25	24.0	0.0	
Channel				501202	518598	535500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
25	QPSK	1	1	23.22	23.38	23.24	24.0	0.0	
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
20	QPSK	1	1	23.26	23.35	23.21	24.0	0.0	
Channel				500200	518598	537998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
15	QPSK	1	1	23.29	23.41	23.23	24.0	0.0	
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)									
10	QPSK	1	1	23.25	23.39	23.18	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				509202	518598	528000		
Frequency (MHz)				2541.01	2592.99	2644.00		
100	PI2 BPSK	1	1	26.16	26.20	26.02	27.0	0.0
100	PI2 BPSK	1	137	25.83	25.87	25.68	27.0	0.0
100	PI2 BPSK	1	271	25.71	25.72	25.57	27.0	0.0
100	PI2 BPSK	135	0	25.99	26.04	25.89	27.0	0.0
100	PI2 BPSK	135	69	25.84	25.85	25.68	27.0	0.0
100	PI2 BPSK	135	138	25.73	25.79	25.64	27.0	0.0
100	PI2 BPSK	270	0	25.80	25.85	25.70	27.0	0.0
100	QPSK	1	1	26.16	26.22	26.05	27.0	0.0
100	QPSK	1	137	25.81	25.84	25.64	27.0	0.0
100	QPSK	1	271	25.66	25.69	25.53	27.0	0.0
100	QPSK	135	0	25.41	25.47	25.31	26.5	0.5
100	QPSK	135	69	25.73	25.79	25.63	27.0	0.0
100	QPSK	135	138	25.17	25.23	25.07	26.5	0.5
100	QPSK	270	0	25.37	25.43	25.28	26.5	0.5
100	16QAM	1	1	25.54	25.58	25.41	26.5	0.5
100	84QAM	1	1	24.11	24.14	23.95	25.0	2.0
100	256QAM	1	1	22.11	22.13	21.95	23.0	4.0
Channel				509200	518598	528096	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.11	26.09	26.00	27.0	0.0
Channel				507204	518598	529398	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.02	2592.99	2643.99		
80	QPSK	1	1	26.04	26.08	25.92	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.11	26.16	26.00	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2659.98		
60	QPSK	1	1	26.05	26.15	25.93	27.0	0.0
Channel				504204	518598	532996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.08	26.09	25.99	27.0	0.0
Channel				502202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511.01	2592.99	2670		
40	QPSK	1	1	26.07	26.15	25.95	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.05	26.16	25.97	27.0	0.0
Channel				501102	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2677.5		
25	QPSK	1	1	26.09	26.15	25.95	27.0	0.0
Channel				501204	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.01	26.16	25.94	27.0	0.0
Channel				500100	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	26.03	26.16	25.96	27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	26.08	26.16	25.98	27.0	0.0



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			638000	641666	645332			
40	PI2 BPSK	1	1	20.05	20.23	20.14	21.0	0.0	
40	PI2 BPSK	1	53	20.08	20.14	20.17	21.0	0.0	
40	PI2 BPSK	1	104	20.04	20.19	20.12	21.0	0.0	
40	PI2 BPSK	50	0	20.13	20.12	20.14	21.0	0.0	
40	PI2 BPSK	50	28	20.10	20.19	20.17	21.0	0.0	
40	PI2 BPSK	50	56	20.07	20.16	20.17	21.0	0.0	
40	PI2 BPSK	100	0	20.03	20.10	20.07	21.0	0.0	
40	QPSK	1	1	20.15	20.25	20.20	21.0	0.0	
40	QPSK	1	53	20.07	20.20	20.17	21.0	0.0	
40	QPSK	1	104	20.15	20.23	20.07	21.0	0.0	
40	QPSK	50	0	20.11	20.20	20.09	21.0	0.0	
40	QPSK	50	28	20.05	20.22	20.15	21.0	0.0	
40	QPSK	50	56	20.04	20.18	20.14	21.0	0.0	
40	QPSK	100	0	20.07	20.20	20.19	21.0	0.0	
40	16QAM	1	1	20.09	20.15	20.07	21.0	0.0	
40	16QAM	1	1	20.09	20.21	20.15	21.0	0.0	
40	256QAM	1	1	18.96	19.00	18.98	19.5	1.5	
Channel									
	Frequency (MHz)			638000	641666	645332			
30	QPSK	1	1	20.12	20.20	20.08	21.0	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
20	QPSK	1	1	20.12	20.18	20.09	21.0	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
15	QPSK	1	1	20.08	20.16	20.05	21.0	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
10	QPSK	1	1	20.10	20.22	20.17	21.0	0.0	

n48_Ant 8									
BW [MHz]	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)			638000	641666	645332			
40	PI2 BPSK	1	1	21.27	21.29	21.13	22.0	0.0	
40	PI2 BPSK	1	53	21.14	21.31	21.09	22.0	0.0	
40	PI2 BPSK	1	104	21.17	21.23	21.21	22.0	0.0	
40	PI2 BPSK	50	0	21.26	21.31	21.14	22.0	0.0	
40	PI2 BPSK	50	28	21.27	21.25	21.11	22.0	0.0	
40	PI2 BPSK	50	56	21.19	21.22	21.09	22.0	0.0	
40	PI2 BPSK	100	0	21.17	21.23	21.09	22.0	0.0	
40	QPSK	1	1	21.23	21.25	21.22	22.0	0.0	
40	QPSK	1	53	21.04	21.21	21.19	22.0	0.0	
40	QPSK	1	104	21.17	21.28	21.14	22.0	0.0	
40	QPSK	50	0	21.16	21.23	21.11	22.0	0.0	
40	QPSK	50	28	21.25	21.31	21.15	22.0	0.0	
40	QPSK	50	56	21.23	21.30	21.07	22.0	0.0	
40	QPSK	100	0	21.14	21.26	21.16	22.0	0.0	
40	16QAM	1	1	21.24	21.32	21.14	22.0	0.0	
40	16QAM	1	1	21.15	21.34	21.18	21.5	0.5	
40	256QAM	1	1	19.08	19.18	19.15	19.5	2.5	
Channel									
	Frequency (MHz)			638000	641666	645332			
30	QPSK	1	1	21.22	21.30	21.13	22.0	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
20	QPSK	1	1	21.13	21.31	21.07	22.0	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
15	QPSK	1	1	21.15	21.28	21.16	22.0	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
10	QPSK	1	1	21.27	21.25	21.16	22.0	0.0	

Part27Q_n77_Ant 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
	Frequency (MHz)			638000	641666	645332			
100	PI2 BPSK	1	1	20.75	20.75	20.75	21.5	0.0	
100	PI2 BPSK	1	137	20.69	20.69	20.69	21.5	0.0	
100	PI2 BPSK	1	271	20.50	20.50	20.50	21.5	0.0	
100	PI2 BPSK	135	0	20.57	20.57	20.57	21.5	0.0	
100	PI2 BPSK	135	69	20.61	20.61	20.61	21.5	0.0	
100	PI2 BPSK	135	138	20.58	20.58	20.58	21.5	0.0	
100	PI2 BPSK	270	0	20.51	20.51	20.51	21.5	0.0	
100	QPSK	1	1	20.80	20.80	20.80	21.5	0.0	
100	QPSK	1	137	20.68	20.68	20.68	21.5	0.0	
100	QPSK	1	271	20.65	20.65	20.65	21.5	0.0	
100	QPSK	135	0	20.63	20.63	20.63	21.5	0.0	
100	QPSK	135	69	20.68	20.68	20.68	21.5	0.0	
100	QPSK	135	138	20.63	20.63	20.63	21.5	0.0	
100	QPSK	270	0	20.63	20.63	20.63	21.5	0.0	
100	16QAM	1	1	20.72	20.72	20.72	21.5	0.0	
100	16QAM	1	1	20.67	20.67	20.67	21.5	0.0	
100	256QAM	1	1	20.74	20.74	20.74	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
90	QPSK	1	1	20.66	20.67	20.63	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
80	QPSK	1	1	20.63	20.72	20.70	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
70	QPSK	1	1	20.50	20.65	20.73	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
60	QPSK	1	1	20.67	20.69	20.69	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
50	QPSK	1	1	20.61	20.75	20.69	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
40	QPSK	1	1	20.61	20.70	20.72	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
30	QPSK	1	1	20.61	20.75	20.66	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
25	QPSK	1	1	20.67	20.72	20.73	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
20	QPSK	1	1	20.64	20.72	20.68	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
15	QPSK	1	1	20.64	20.66	20.73	21.5	0.0	
Channel									
	Frequency (MHz)			638000	641666	645332			
10	QPSK	1	1	20.66	20.69	20.67	21.5	0.0	



Part27Q_n77(HPUe)_Ant 4

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, and BQAM across different RB sizes and offsets.

Part27Q_n77_Ant 4

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, and BQAM across different RB sizes and offsets.

Part27Q_n77(HPUe)_Ant 4

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch. Freq., Power Mids Ch. Freq., Power High Ch. Freq., Tune-up Int. (dBm), MPR (dB). Rows include various modulation schemes like Pi2 BPSK, QPSK, and BQAM across different RB sizes and offsets.



Part27Q_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	20.57	20.63	20.69	21.5	0.0	
100	PIQ BPSK	1	137	20.63	20.69	20.75	21.5	0.0	
100	PIQ BPSK	1	271	20.69	20.75	20.81	21.5	0.0	
100	PIQ BPSK	135	0	20.75	20.81	20.87	21.5	0.0	
100	PIQ BPSK	135	69	20.81	20.87	20.93	21.5	0.0	
100	PIQ BPSK	135	138	20.87	20.93	20.99	21.5	0.0	
100	PIQ BPSK	270	0	20.93	20.99	21.05	21.5	0.0	
100	QPSK	1	1	20.74	20.80	20.86	21.5	0.0	
100	QPSK	1	137	20.80	20.86	20.92	21.5	0.0	
100	QPSK	1	271	20.86	20.92	20.98	21.5	0.0	
100	QPSK	135	0	20.92	20.98	21.04	21.5	0.0	
100	QPSK	135	69	20.98	21.04	21.10	21.5	0.0	
100	QPSK	135	138	21.04	21.10	21.16	21.5	0.0	
100	QPSK	270	0	21.10	21.16	21.22	21.5	0.0	
100	8QAM	1	1	20.95	21.01	21.07	21.5	0.0	
100	8QAM	1	1	20.99	21.05	21.11	21.5	0.0	
100	256QAM	1	1	20.99	21.05	21.11	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.83	20.89	20.95	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.83	20.89	20.95	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.56	20.62	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.59	20.65	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.63	20.69	20.75	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.57	20.63	20.69	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.58	20.64	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.54	20.60	20.66	21.5	0.0	

Part27Q_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.52	23.58	23.64	24.5	0.0	
100	PIQ BPSK	1	137	23.43	23.49	23.55	24.5	0.0	
100	PIQ BPSK	1	271	23.49	23.55	23.61	24.5	0.0	
100	PIQ BPSK	135	0	23.55	23.61	23.67	24.5	0.0	
100	PIQ BPSK	135	69	23.61	23.67	23.73	24.5	0.0	
100	PIQ BPSK	135	138	23.67	23.73	23.79	24.5	0.0	
100	PIQ BPSK	270	0	23.73	23.79	23.85	24.5	0.0	
100	QPSK	1	1	23.51	23.57	23.63	24.5	0.0	
100	QPSK	1	137	23.57	23.63	23.69	24.5	0.0	
100	QPSK	1	271	23.63	23.69	23.75	24.5	0.0	
100	QPSK	135	0	23.69	23.75	23.81	24.5	0.0	
100	QPSK	135	69	23.75	23.81	23.87	24.5	0.0	
100	QPSK	135	138	23.81	23.87	23.93	24.5	0.0	
100	QPSK	270	0	23.87	23.93	23.99	24.5	0.0	
100	8QAM	1	1	23.57	23.63	23.69	24.5	0.0	
100	8QAM	1	1	23.61	23.67	23.73	24.5	0.0	
100	256QAM	1	1	23.61	23.67	23.73	24.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.46	23.52	23.58	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.44	23.50	23.56	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.48	23.54	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.50	23.56	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.43	23.49	23.55	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.52	23.58	23.64	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.50	23.56	23.62	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.51	23.57	23.63	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.45	23.51	23.57	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.47	23.53	23.59	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.43	23.49	23.55	24.5	0.0	



Part270_n77_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	20.65	20.53	20.75			
100	PIQ BPSK	1	137	20.52	20.74	20.66	21.5	0.0	
100	PIQ BPSK	1	271	20.59	20.69	20.69			
100	PIQ BPSK	135	0	20.36	20.69	20.40	21.5	0.0	
100	PIQ BPSK	135	69	20.45	20.70	20.59	21.5	0.0	
100	PIQ BPSK	135	138	20.40	20.59	20.59	21.5	0.0	
100	PIQ BPSK	270	0	20.42	20.59	20.57			
100	QPSK	1	1	20.73	20.69	20.69			
100	QPSK	1	137	20.59	20.64	20.73	21.5	0.0	
100	QPSK	1	271	20.68	20.76	20.72			
100	QPSK	135	0	20.44	20.73	20.60	21.5	0.0	
100	QPSK	135	69	20.57	20.76	20.76	21.5	0.0	
100	QPSK	135	138	20.49	20.73	20.60	21.5	0.0	
100	QPSK	270	0	20.54	20.69	20.64			
100	8QAM	1	1	20.68	20.76	20.79	21.5	0.0	
100	8QAM	1	1	20.84	20.79	20.80	21.5	0.0	
100	256QAM	1	1	20.88	20.77	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.80	20.80	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.59	20.74	20.73	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.84	20.77	20.77	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.68	20.73	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.62	20.74	20.71	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.58	20.76	20.80	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.60	20.76	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.81	20.74	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.88	20.70	20.70	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.62	20.75	20.72	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.69	20.62	20.70	21.5	0.0	

Part270_n77(HPUE)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq.	Power Mid Ch. Freq.	Power High Ch. Freq.	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PIQ BPSK	1	1	23.63	23.60	23.58			
100	PIQ BPSK	1	137	23.53	23.67	23.54	24.5	0.0	
100	PIQ BPSK	1	271	23.58	23.66	23.51			
100	PIQ BPSK	135	0	23.38	23.65	23.32	24.5	0.0	
100	PIQ BPSK	135	69	23.58	23.69	23.45	24.5	0.0	
100	PIQ BPSK	135	138	23.48	23.61	23.34	24.5	0.0	
100	PIQ BPSK	270	0	23.69	23.61	23.35			
100	QPSK	1	1	23.70	23.69	23.69			
100	QPSK	1	137	23.62	23.74	23.63	24.5	0.0	
100	QPSK	1	271	23.71	23.72	23.58			
100	QPSK	135	0	23.50	23.69	23.44	24.5	0.0	
100	QPSK	135	69	23.59	23.69	23.59	24.5	0.0	
100	QPSK	135	138	23.56	23.74	23.49	24.5	0.0	
100	QPSK	270	0	23.58	23.75	23.48			
100	8QAM	1	1	23.67	23.71	23.69	24.5	0.0	
100	8QAM	1	1	23.63	23.70	23.62	24.5	0.0	
100	256QAM	1	1	23.78	23.70	23.66	22.5	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.63	23.76	23.66	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.70	23.76	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.69	23.73	23.66	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.69	23.79	23.67	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.66	23.79	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.63	23.72	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.69	23.77	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.68	23.72	23.60	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.63	23.77	23.54	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.67	23.77	23.61	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.71	23.74	23.59	24.5	0.0	

**Part27Q_n78_Ant 4**

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Frac	Power Middle Ch / Frac	Power High Ch / Frac	Tune-up limit (dBm)	MPR (dB)
Channel								
100	Frequency (MHz)			3493.91				
100	PL2 BPSK	1	1	20.09				
100	PL2 BPSK	1	137	20.52				
100	PL2 BPSK	1	271	20.52			21.5	0.0
100	PL2 BPSK	135	0	20.52				
100	PL2 BPSK	135	69	20.81			21.5	0.0
100	PL2 BPSK	135	138	20.38			21.5	0.0
100	PL2 BPSK	270	0	20.48				
100	QPSK	1	1	20.75				
100	QPSK	1	137	20.69			21.5	0.0
100	QPSK	1	271	20.87				
100	QPSK	135	0	20.81			21.5	0.0
100	QPSK	135	69	20.56			21.5	0.0
100	QPSK	135	138	20.51			21.5	0.0
100	QPSK	270	0	20.38			21.5	0.0
100	8QAM	1	1	20.07			21.5	0.0
100	8QAM	1	1	20.09			21.5	0.0
100	256QAM	1	1	20.70			21.5	0.0
Channel								
90	Frequency (MHz)			3495	3499.98	3504.99		
90	QPSK	1	1	20.56	20.94	20.53	21.5	0.0
Channel								
80	Frequency (MHz)			3495.02	3499.98	3504.99		
80	QPSK	1	1	20.47	20.85	20.52	21.5	0.0
Channel								
70	Frequency (MHz)			3495.01	3499.98	3504.98		
70	QPSK	1	1	20.48	20.80	20.45	21.5	0.0
Channel								
60	Frequency (MHz)			3495.02	3499.98	3504.99		
60	QPSK	1	1	20.51	20.88	20.50	21.5	0.0
Channel								
50	Frequency (MHz)			3495.02	3499.98	3504.99		
50	QPSK	1	1	20.55	20.80	20.52	21.5	0.0
Channel								
40	Frequency (MHz)			3495.01	3499.98	3504.98		
40	QPSK	1	1	20.54	20.84	20.48	21.5	0.0
Channel								
30	Frequency (MHz)			3495.02	3499.98	3504.99		
30	QPSK	1	1	20.55	20.82	20.53	21.5	0.0
Channel								
25	Frequency (MHz)			3495.02	3499.98	3504.99		
25	QPSK	1	1	20.87	20.70	20.45	21.5	0.0
Channel								
20	Frequency (MHz)			3495.02	3499.98	3504.99		
20	QPSK	1	1	20.49	20.88	20.52	21.5	0.0
Channel								
15	Frequency (MHz)			3495.01	3499.98	3504.99		
15	QPSK	1	1	20.50	20.84	20.54	21.5	0.0
Channel								
10	Frequency (MHz)			3495.01	3499.98	3504.98		
10	QPSK	1	1	20.59	20.83	20.49	21.5	0.0

Part27Q_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Frac	Power Middle Ch / Frac	Power High Ch / Frac	Tune-up limit (dBm)	MPR (dB)
Channel								
100	Frequency (MHz)			3495.02				
100	PL2 BPSK	1	1	23.59				
100	PL2 BPSK	1	137	23.59			24.5	0.0
100	PL2 BPSK	1	271	23.59				
100	PL2 BPSK	135	0	23.59			24.5	0.0
100	PL2 BPSK	135	69	23.58			24.5	0.0
100	PL2 BPSK	135	138	22.41			24.5	0.0
100	PL2 BPSK	270	0	23.43				
100	QPSK	1	1	23.74				
100	QPSK	1	137	23.69			24.5	0.0
100	QPSK	1	271	23.89				
100	QPSK	135	0	23.51			24.5	0.0
100	QPSK	135	69	23.59			24.5	0.0
100	QPSK	135	138	22.54			24.5	0.0
100	QPSK	270	0	23.52			24.5	0.0
100	8QAM	1	1	23.88			24.5	0.0
100	8QAM	1	1	23.85			24.5	0.0
100	256QAM	1	1	23.89			22.5	2.0
Channel								
90	Frequency (MHz)			3495	3499.98	3504.99		
90	QPSK	1	1	23.46	23.87	23.53	24.5	0.0
Channel								
80	Frequency (MHz)			3495.02	3499.98	3504.99		
80	QPSK	1	1	23.50	23.89	23.45	24.5	0.0
Channel								
70	Frequency (MHz)			3495.01	3499.98	3504.98		
70	QPSK	1	1	23.52	23.88	23.47	24.5	0.0
Channel								
60	Frequency (MHz)			3495.02	3499.98	3504.99		
60	QPSK	1	1	23.52	23.84	23.46	24.5	0.0
Channel								
50	Frequency (MHz)			3495.02	3499.98	3504.99		
50	QPSK	1	1	23.48	23.99	23.49	24.5	0.0
Channel								
40	Frequency (MHz)			3495.01	3499.98	3504.98		
40	QPSK	1	1	23.43	23.84	23.45	24.5	0.0
Channel								
30	Frequency (MHz)			3495	3499.98	3504.99		
30	QPSK	1	1	23.50	23.83	23.51	24.5	0.0
Channel								
25	Frequency (MHz)			3495.02	3499.98	3504.99		
25	QPSK	1	1	23.44	23.83	23.44	24.5	0.0
Channel								
20	Frequency (MHz)			3495.02	3499.98	3504.99		
20	QPSK	1	1	23.48	23.84	23.49	24.5	0.0
Channel								
15	Frequency (MHz)			3495.01	3499.98	3504.99		
15	QPSK	1	1	23.45	23.82	23.45	24.5	0.0
Channel								
10	Frequency (MHz)			3495.01	3499.98	3504.98		
10	QPSK	1	1	23.45	23.83	23.53	24.5	0.0

Part27Q_n78_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Frac	Power Middle Ch / Frac	Power High Ch / Frac	Tune-up limit (dBm)	MPR (dB)
Channel								
100	Frequency (MHz)			3495				
100	PL2 BPSK	1	1	20.80				
100	PL2 BPSK	1	137	20.65			21.5	0.0
100	PL2 BPSK	1	271	20.88				
100	PL2 BPSK	135	0	20.47			21.5	0.0
100	PL2 BPSK	135	69	20.87			21.5	0.0
100	PL2 BPSK	135	138	20.39			21.5	0.0
100	PL2 BPSK	270	0	20.84				
100	QPSK	1	1	20.85				
100	QPSK	1	137	20.78			21.5	0.0
100	QPSK	1	271	20.80				
100	QPSK	135	0	20.60			21.5	0.0
100	QPSK	135	69	20.75			21.5	0.0
100	QPSK	135	138	20.61			21.5	0.0
100	QPSK	270	0	20.70			21.5	0.0
100	8QAM	1	1	20.74			21.5	0.0
100	8QAM	1	1	20.74			21.5	0.0
100	256QAM	1	1	20.75			21.5	0.0
Channel								
90	Frequency (MHz)			3495.01	3499.98	3504.99		
90	QPSK	1	1	20.71	20.78	20.80	21.5	0.0
Channel								
80	Frequency (MHz)			3495.02	3499.98	3504.99		
80	QPSK	1	1	20.68	20.78	20.80	21.5	0.0
Channel								
70	Frequency (MHz)			3495.01	3499.98	3504.98		
70	QPSK	1	1	20.66	20.70	20.80	21.5	0.0
Channel								
60	Frequency (MHz)			3495.02	3499.98	3504.99		
60	QPSK	1	1	20.63	20.73	20.82	21.5	0.0
Channel								
50	Frequency (MHz)			3495.01	3499.98	3504.99		
50	QPSK	1	1	20.66	20.76	20.89	21.5	0.0
Channel								
40	Frequency (MHz)			3495.01	3499.98	3504.98		
40	QPSK	1	1	20.67	20.74	20.83	21.5	0.0
Channel								
30	Frequency (MHz)			3495.02	3499.98	3504.99		
30	QPSK	1	1	20.67	20.70	20.84	21.5	0.0
Channel								
25	Frequency (MHz)			3495.02	3499.98	3504.99		
25	QPSK	1	1	20.63	20.72	20.88	21.5	0.0
Channel								
20	Frequency (MHz)			3495.02	3499.98	3504.99		
20	QPSK	1	1	20.67	20.80	20.88	21.5	0.0
Channel								
15	Frequency (MHz)			3495.01	3499.98	3504.99		
15	QPSK	1	1	20.67	20.76	20.83	21.5	0.0
Channel								
10	Frequency (MHz)			3495.01	3499.98	3504.98		
10	QPSK	1	1	20.69	20.78	20.89	21.5	0.0



Part27O_n78(HPUE)_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. (Freq)	Power Mid Ch. (Freq)	Power High Ch. (Freq)	Tune-up Unit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3745	3745	3745		
100	PI2 BPSK	1	1	23.52	23.52	23.52	24.5	0.0
100	PI2 BPSK	1	137	23.37	23.37	23.37	24.5	0.0
100	PI2 BPSK	1	271	23.46	23.46	23.46	24.5	0.0
100	PI2 BPSK	135	0	23.33	23.33	23.33	24.5	0.0
100	PI2 BPSK	135	69	23.47	23.47	23.47	24.5	0.0
100	PI2 BPSK	135	138	23.28	23.28	23.28	24.5	0.0
100	PI2 BPSK	270	0	23.28	23.28	23.28	24.5	0.0
100	QPSK	1	1	23.55	23.55	23.55	24.5	0.0
100	QPSK	1	137	23.74	23.74	23.74	24.5	0.0
100	QPSK	1	271	23.57	23.57	23.57	24.5	0.0
100	QPSK	135	0	23.48	23.48	23.48	24.5	0.0
100	QPSK	135	69	23.35	23.35	23.35	24.5	0.0
100	QPSK	135	138	23.41	23.41	23.41	24.5	0.0
100	QPSK	270	0	23.43	23.43	23.43	24.5	0.0
100	BQAM	1	1	23.54	23.54	23.54	24.5	0.0
100	BQAM	1	1	23.53	23.53	23.53	24.5	0.0
100	BQAM	1	1	21.69	21.69	21.69	22.5	2.0
Channel								
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.44	23.60	23.43	24.5	0.0
Channel								
Frequency (MHz)				3745.35	3750	3754.65		
80	QPSK	1	1	23.42	23.58	23.53	24.5	0.0
Channel								
Frequency (MHz)				3745.68	3750	3754.32		
70	QPSK	1	1	23.44	23.53	23.46	24.5	0.0
Channel								
Frequency (MHz)				3746.02	3750	3753.98		
60	QPSK	1	1	23.51	23.58	23.53	24.5	0.0
Channel								
Frequency (MHz)				3746.35	3750	3753.65		
50	QPSK	1	1	23.44	23.53	23.43	24.5	0.0
Channel								
Frequency (MHz)				3746.68	3750	3753.32		
40	QPSK	1	1	23.47	23.57	23.46	24.5	0.0
Channel								
Frequency (MHz)				3747.02	3750	3752.98		
30	QPSK	1	1	23.47	23.53	23.47	24.5	0.0
Channel								
Frequency (MHz)				3747.35	3750	3752.65		
25	QPSK	1	1	23.43	23.53	23.43	24.5	0.0
Channel								
Frequency (MHz)				3747.68	3750	3752.32		
20	QPSK	1	1	23.51	23.51	23.43	24.5	0.0
Channel								
Frequency (MHz)				3748.02	3750	3752.08		
15	QPSK	1	1	23.45	23.51	23.47	24.5	0.0
Channel								
Frequency (MHz)				3748.35	3750	3751.65		
10	QPSK	1	1	23.51	23.53	23.49	24.5	0.0



Part27Q_n78_Ant 8									
BW (MHz)	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	20.48	20.48	20.48			
100	PI2 BPSK	1	137	20.32	20.32	20.32	21.5	0.0	
100	PI2 BPSK	1	271	20.34	20.34	20.34	21.5	0.0	
100	PI2 BPSK	135	0	20.30	20.30	20.30	21.5	0.0	
100	PI2 BPSK	135	69	20.29	20.29	20.29	21.5	0.0	
100	PI2 BPSK	135	138	20.24	20.24	20.24	21.5	0.0	
100	PI2 BPSK	270	0	20.20	20.20	20.20	21.5	0.0	
100	QPSK	1	1	20.53	20.53	20.53	21.5	0.0	
100	QPSK	1	137	20.36	20.36	20.36	21.5	0.0	
100	QPSK	1	271	20.43	20.43	20.43	21.5	0.0	
100	QPSK	135	0	20.36	20.36	20.36	21.5	0.0	
100	QPSK	135	69	20.42	20.42	20.42	21.5	0.0	
100	QPSK	135	138	20.31	20.31	20.31	21.5	0.0	
100	QPSK	270	0	20.27	20.27	20.27	21.5	0.0	
100	64QAM	1	1	20.42	20.42	20.42	21.5	0.0	
100	64QAM	1	1	20.46	20.46	20.46	21.5	0.0	
100	256QAM	1	1	20.48	20.48	20.48	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.17	20.39	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.16	20.41	20.27	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.17	20.47	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.20	20.41	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.21	20.40	20.34	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.16	20.38	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.21	20.46	20.31	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.17	20.46	20.33	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.20	20.42	20.28	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.19	20.39	20.33	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.16	20.41	20.28	21.5	0.0	

Part27Q_n78(HPUe)_Ant 8									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	PI2 BPSK	1	1	22.45	22.45	22.45			
100	PI2 BPSK	1	137	23.40	23.40	23.40	24.5	0.0	
100	PI2 BPSK	1	271	22.46	22.46	22.46	24.5	0.0	
100	PI2 BPSK	135	0	23.30	23.30	23.30	24.5	0.0	
100	PI2 BPSK	135	69	23.41	23.41	23.41	24.5	0.0	
100	PI2 BPSK	135	138	23.32	23.32	23.32	24.5	0.0	
100	PI2 BPSK	270	0	23.21	23.21	23.21	24.5	0.0	
100	QPSK	1	1	23.50	23.50	23.50	24.5	0.0	
100	QPSK	1	137	23.46	23.46	23.46	24.5	0.0	
100	QPSK	1	271	23.24	23.24	23.24	24.5	0.0	
100	QPSK	135	0	23.41	23.41	23.41	24.5	0.0	
100	QPSK	135	69	23.32	23.32	23.32	24.5	0.0	
100	QPSK	135	138	23.43	23.43	23.43	24.5	0.0	
100	QPSK	270	0	23.25	23.25	23.25	24.5	0.0	
100	64QAM	1	1	23.46	23.46	23.46	24.5	0.0	
100	64QAM	1	1	23.51	23.51	23.51	24.5	0.0	
100	256QAM	1	1	23.51	23.51	23.51	24.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.27	23.49	23.35	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.27	23.46	23.34	24.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	23.30	23.49	23.28	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.34	23.46	23.29	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.28	23.47	23.28	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.36	23.50	23.32	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.33	23.48	23.32	24.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	23.28	23.46	23.30	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.29	23.45	23.31	24.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	23.29	23.44	23.29	24.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	23.26	23.44	23.34	24.5	0.0	

Part27Q_n78_Ant 8									
BW (MHz)	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	20.69	20.69	20.69			
100	PI2 BPSK	1	137	20.61	20.61	20.61	21.5	0.0	
100	PI2 BPSK	1	271	20.68	20.68	20.68	21.5	0.0	
100	PI2 BPSK	135	0	20.59	20.59	20.59	21.5	0.0	
100	PI2 BPSK	135	69	20.62	20.62	20.62	21.5	0.0	
100	PI2 BPSK	135	138	20.54	20.54	20.54	21.5	0.0	
100	PI2 BPSK	270	0	20.47	20.47	20.47	21.5	0.0	
100	QPSK	1	1	20.79	20.79	20.79	21.5	0.0	
100	QPSK	1	137	20.72	20.72	20.72	21.5	0.0	
100	QPSK	1	271	20.74	20.74	20.74	21.5	0.0	
100	QPSK	135	0	20.68	20.68	20.68	21.5	0.0	
100	QPSK	135	69	20.74	20.74	20.74	21.5	0.0	
100	QPSK	135	138	20.61	20.61	20.61	21.5	0.0	
100	QPSK	270	0	20.59	20.59	20.59	21.5	0.0	
100	64QAM	1	1	20.71	20.71	20.71	21.5	0.0	
100	64QAM	1	1	20.68	20.68	20.68	21.5	0.0	
100	256QAM	1	1	20.68	20.68	20.68	21.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.58	20.71	20.61	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.58	20.68	20.54	21.5	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	20.54	20.74	20.58	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.65	20.73	20.67	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.60	20.74	20.58	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.63	20.72	20.56	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.61	20.70	20.54	21.5	0.0	
Channel									
Frequency (MHz)									
25	QPSK	1	1	20.64	20.64	20.58	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.62	20.68	20.53	21.5	0.0	
Channel									
Frequency (MHz)									
15	QPSK	1	1	20.60	20.72	20.60	21.5	0.0	
Channel									
Frequency (MHz)									
10	QPSK	1	1	20.59	20.69	20.54	21.5	0.0	



Part270_n78(HPUE)_Ant 8

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Mode	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				66900				
Frequency (MHz)				23.92				
100	PI2 BPSK	1	1	23.92			24.5	0.0
100	PI2 BPSK	1	137	23.55			24.5	0.0
100	PI2 BPSK	1	271	23.48			24.5	0.0
100	PI2 BPSK	135	0	23.47			24.5	0.0
100	PI2 BPSK	135	69	23.59			24.5	0.0
100	PI2 BPSK	135	138	23.46			24.5	0.0
100	PI2 BPSK	270	0	23.42			24.5	0.0
100	QPSK	1	1	23.73			24.5	0.0
100	QPSK	1	137	23.60			24.5	0.0
100	QPSK	1	271	23.59			24.5	0.0
100	QPSK	135	0	23.80			24.5	0.0
100	QPSK	135	69	23.55			24.5	0.0
100	QPSK	135	138	23.51			24.5	0.0
100	QPSK	270	0	23.53			24.5	0.0
100	16QAM	1	1	23.87			24.5	0.0
100	64QAM	1	1	23.62			24.5	0.0
100	256QAM	1	1	21.87			22.5	2.0
Channel				68888	68900	69232		
Frequency (MHz)				3745.02	3750	3754.98		
90	QPSK	1	1	23.46	23.80	23.86	24.5	0.0
Channel				69232	69300	69368		
Frequency (MHz)				3740.01	3750	3759.99		
80	QPSK	1	1	23.39	23.64	23.52	24.5	0.0
Channel				69368	69400	69432		
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.37	23.67	23.54	24.5	0.0
Channel				69432	69500	69568		
Frequency (MHz)				3730.02	3750	3769.98		
60	QPSK	1	1	23.44	23.58	23.52	24.5	0.0
Channel				69568	69600	69632		
Frequency (MHz)				3725.01	3750	3774.99		
50	QPSK	1	1	23.40	23.66	23.53	24.5	0.0
Channel				69632	69700	69768		
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.40	23.66	23.53	24.5	0.0
Channel				69768	69800	69832		
Frequency (MHz)				3715.02	3750	3784.98		
30	QPSK	1	1	23.43	23.67	23.58	24.5	0.0
Channel				69832	69900	69968		
Frequency (MHz)				3710.01	3750	3787.5		
25	QPSK	1	1	23.42	23.66	23.57	24.5	0.0
Channel				69968	70000	70032		
Frequency (MHz)				3705.01	3750	3789.99		
20	QPSK	1	1	23.36	23.59	23.53	24.5	0.0
Channel				70032	70100	70168		
Frequency (MHz)				3700.02	3750	3792.48		
15	QPSK	1	1	23.44	23.67	23.58	24.5	0.0
Channel				70168	70200	70232		
Frequency (MHz)				3705	3750	3765		
10	QPSK	1	1	23.46	23.66	23.62	24.5	0.0



Full&Default Power Mode UL MIMO

n2		Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel												
		374000	376000	378000	374000	376000	378000	374000	376000	378000		
Frequency (MHz)												
40	P12 BPSK	1	1	22.90	23.00	23.05	22.48	22.57	22.60	25.71	25.80	25.79
40	P12 BPSK	1	108	22.98	23.05	22.95	22.50	22.52	22.59	25.76	25.80	25.74
40	P12 BPSK	1	214	23.07	23.09	22.98	22.52	22.58	22.50	25.81	25.84	25.76
40	P12 BPSK	108	0	21.81	21.70	21.62	21.59	21.85	21.53	24.61	24.69	24.59
40	P12 BPSK	108	54	22.78	22.80	22.73	22.46	22.55	22.42	25.63	25.69	25.59
40	P12 BPSK	108	108	21.79	21.80	21.72	21.61	21.72	21.57	24.71	24.77	24.66
40	P12 BPSK	216	0	21.78	21.84	21.73	21.66	21.69	21.56	24.74	24.80	24.66
40	QPSK	1	1	23.03	23.12	23.10	22.52	22.60	22.52	25.79	25.88	25.84
40	QPSK	1	108	23.00	23.08	23.05	22.49	22.57	22.43	25.78	25.84	25.76
40	QPSK	1	214	23.01	23.10	22.96	22.40	22.50	22.35	25.73	25.82	25.88
40	QPSK	108	0	21.13	21.15	21.11	21.12	21.17	21.07	24.14	24.17	24.10
40	QPSK	108	54	22.21	22.26	22.21	22.17	22.52	22.43	23.63	23.76	23.72
40	QPSK	108	108	21.09	21.19	21.16	21.13	21.15	21.00	24.12	24.18	24.00
40	QPSK	216	0	21.13	21.20	21.14	21.17	21.20	21.16	24.16	24.21	24.16
40	16QAM	1	1	21.58	21.65	21.60	21.06	21.16	21.05	24.34	24.42	24.34
40	64QAM	1	1	19.88	20.00	19.99	19.51	19.65	19.51	22.70	22.84	22.77
40	256QAM	1	1	17.60	17.70	17.61	17.60	17.66	17.66	20.61	20.69	20.61

n2		Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq			Power Middle Ch / Freq
Channel													
		374000	376000	378000	374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)													
40	P12 BPSK	1	1	22.90	23.00	23.05	22.76	22.90	22.77	25.84	25.96	25.92	
40	P12 BPSK	1	108	22.98	23.05	22.95	22.74	22.83	22.77	25.87	25.95	25.87	
40	P12 BPSK	1	214	23.07	23.09	22.98	22.83	22.85	22.84	25.96	25.98	25.91	
40	P12 BPSK	108	0	21.61	21.70	21.62	21.88	22.00	21.93	24.76	24.86	24.79	
40	P12 BPSK	108	54	22.78	22.80	22.73	22.76	22.86	22.76	25.78	25.84	25.78	
40	P12 BPSK	108	108	21.79	21.80	21.72	21.85	21.98	21.86	24.83	24.90	24.85	
40	P12 BPSK	216	0	21.78	21.86	21.73	21.80	21.95	21.93	24.81	24.93	24.84	
40	QPSK	1	1	23.03	23.12	23.10	22.63	22.95	22.92	25.97	26.05	26.03	
40	QPSK	1	108	23.00	23.08	23.05	22.77	22.89	22.82	25.90	26.00	25.95	
40	QPSK	1	214	23.01	23.10	22.96	22.80	22.85	22.73	25.92	25.99	25.88	
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.58	24.35	24.38	24.35	
40	QPSK	108	54	22.21	22.26	22.21	22.71	22.91	22.89	25.90	25.95	25.91	
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.62	24.35	24.44	24.35	
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34	
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	
40	64QAM	1	1	19.88	20.00	19.99	20.34	20.36	20.27	23.12	23.19	23.14	
40	256QAM	1	1	17.60	17.70	17.61	17.62	17.67	17.66	20.72	20.85	20.80	



n2				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.48	22.57	22.58	25.64	25.73	25.66	27.0	0.0
40	PI2 BPSK	1	108	22.66	22.75	22.69	22.50	22.52	22.50	25.59	25.65	25.56		
40	PI2 BPSK	1	214	22.69	22.80	22.68	22.52	22.56	22.50	25.62	25.69	25.60		
40	PI2 BPSK	108	0	21.61	21.62	21.56	21.59	21.85	21.83	24.81	24.85	24.68	26.0	1.0
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.46	22.55	22.42	25.68	25.73	25.59	27.0	0.0
40	PI2 BPSK	108	108	21.56	21.70	21.84	21.61	21.72	21.67	24.60	24.72	24.62		
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.55	26.0	1.0
40	QPSK	1	1	22.64	22.90	22.80	22.52	22.60	22.55	25.69	25.76	25.73		
40	QPSK	1	108	22.83	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.59	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.40	22.50	22.35	25.58	25.66	25.58		
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.59	24.44	24.36	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.52	22.21	25.21	25.20	25.07	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35		
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.38	25.5	1.5
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41	25.5	1.5
40	16QAM	1	1	20.30	20.40	20.31	19.51	19.56	19.51	22.83	23.06	22.94	24.5	2.5
40	16QAM	1	1	17.97	18.00	17.81	17.56	17.56	17.58	20.78	20.84	20.76	22.5	4.5

n2				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69	27.0	0.0
40	PI2 BPSK	1	108	22.66	22.75	22.69	22.54	22.63	22.57	25.61	25.70	25.60		
40	PI2 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67		
40	PI2 BPSK	108	0	21.61	21.62	21.56	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0
40	PI2 BPSK	108	108	21.56	21.70	21.64	21.65	21.76	21.76	24.62	24.75	24.71		
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.75	24.61	24.72	24.64	26.0	1.0
40	QPSK	1	1	22.64	22.90	22.89	22.58	22.75	22.73	25.71	25.84	25.82		
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.79	25.68	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.86	25.74	25.67		
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.26	24.50	24.53	24.50	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.71	22.60	25.70	25.71	25.70	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.45	21.32	24.51	24.69	24.50		
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.48	24.54	24.43	25.5	1.5
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.86	24.77	24.67	25.5	1.5
40	16QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5
40	16QAM	1	1	17.97	18.00	17.81	17.62	17.77	17.76	20.81	20.90	20.85	22.5	4.5



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000		
Frequency (MHz)				1870	1862.5	1895	1870	1862.5	1895	1870	1862.5	1895		
40	PI2 BPSK	1	1	23.09	23.12	23.09	22.76	22.84	22.79	25.84	25.99	25.95	27.0	0.0
40	PI2 BPSK	1	108	23.95	23.10	22.95	22.76	22.80	22.79	25.87	25.86	25.88		
40	PI2 BPSK	1	214	23.05	23.17	23.11	22.62	22.76	22.73	25.89	25.88	25.93		
40	PI2 BPSK	108	0	21.89	21.96	21.81	21.83	21.87	21.82	24.77	24.83	24.73	26.0	1.0
40	PI2 BPSK	108	54	23.05	23.14	23.00	22.77	22.82	22.71	25.92	25.99	25.87	27.0	0.0
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.60	21.75	21.71	24.74	24.84	24.75		
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	21.70	21.83	24.71	24.73	24.70	26.0	1.0
40	QPSK	1	1	23.11	23.20	23.10	22.85	22.88	22.83	25.99	26.05	26.02		
40	QPSK	1	108	23.05	23.13	22.99	22.70	22.83	22.80	25.89	25.99	25.91	27.0	0.0
40	QPSK	1	214	23.00	23.10	23.01	22.70	22.80	22.79	25.88	25.96	25.91		
40	QPSK	108	0	21.49	21.55	21.47	21.09	21.17	21.14	24.30	24.37	24.32	25.5	1.5
40	QPSK	108	54	23.04	23.10	23.08	22.77	22.76	22.71	25.93	25.95	25.97	27.0	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.09	21.13	21.09	24.28	24.33	24.23		
40	QPSK	216	0	21.43	21.45	21.30	21.02	21.15	21.04	24.24	24.31	24.18	25.5	1.5
40	16QAM	1	1	21.54	21.66	21.54	21.15	21.30	21.18	24.36	24.49	24.37	25.5	1.5
40	16QAM	1	1	20.22	20.25	20.14	19.84	19.88	19.77	23.64	23.68	22.97	24.5	2.5
40	16QAM	1	1	17.69	17.69	17.69	17.51	17.56	17.56	20.81	20.74	20.64	22.5	4.5

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000		
Frequency (MHz)				1870	1862.5	1895	1870	1862.5	1895	1870	1862.5	1895		
40	PI2 BPSK	1	1	23.09	23.12	23.09	23.26	23.24	23.22	26.19	26.35	26.32	27.0	0.0
40	PI2 BPSK	1	108	22.95	23.10	22.95	22.87	23.15	23.12	25.90	26.14	26.06		
40	PI2 BPSK	1	214	23.05	23.17	23.11	22.73	23.03	23.04	25.90	26.11	26.09		
40	PI2 BPSK	108	0	21.89	21.96	21.81	21.87	22.12	22.10	24.89	25.05	24.97	26.0	1.0
40	PI2 BPSK	108	54	23.05	23.14	23.00	22.82	23.10	23.09	25.95	26.13	26.06	27.0	0.0
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.84	22.21	22.22	24.91	25.07	25.01		
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.96	24.92	26.0	1.0
40	QPSK	1	1	23.11	23.20	23.10	23.33	23.62	23.61	26.23	26.43	26.42		
40	QPSK	1	108	23.05	23.13	22.99	23.18	23.43	23.39	26.13	26.29	26.20	27.0	0.0
40	QPSK	1	214	23.00	23.10	23.01	23.24	23.52	23.53	26.13	26.33	26.29		
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47	25.5	1.5
40	QPSK	108	54	23.04	23.10	23.09	23.17	23.40	23.39	26.13	26.27	26.26	27.0	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43		
40	QPSK	216	0	21.43	21.45	21.30	21.16	21.43	21.40	24.31	24.45	24.36	25.5	1.5
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.83	21.79	24.56	24.78	24.68	25.5	1.5
40	16QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.24	23.28	24.5	2.5
40	16QAM	1	1	17.69	17.69	17.69	17.77	18.03	18.02	20.74	20.90	20.87	22.5	4.5



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000		
Frequency (MHz)				1870	1862.5	1895	1870	1862.5	1895	1870	1862.5	1895		
40	PI2 BPSK	1	1	23.23	23.63	23.97	22.86	22.94	22.89	26.66	26.31	26.25	27.0	0.0
40	PI2 BPSK	1	108	23.34	23.46	23.43	22.76	22.80	22.78	25.91	26.15	26.13		
40	PI2 BPSK	1	214	23.21	23.61	23.94	22.62	22.76	22.73	25.94	26.22	26.16		
40	PI2 BPSK	108	0	21.99	22.38	22.33	21.63	21.87	21.82	24.82	25.05	25.00	26.0	1.0
40	PI2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.89	26.11	26.04	27.0	0.0
40	PI2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09		
40	PI2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00	26.0	1.0
40	QPSK	1	1	23.25	23.67	23.94	22.95	22.88	22.93	26.11	26.35	26.31		
40	QPSK	1	108	23.19	23.59	23.53	22.70	22.83	22.80	25.96	26.24	26.19	27.0	0.0
40	QPSK	1	214	23.19	23.62	23.57	22.70	22.80	22.79	25.96	26.24	26.21		
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	1.5
40	QPSK	108	54	21.06	21.38	21.33	20.77	20.76	20.71	23.93	24.11	24.05	27.0	0.0
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41		
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34	25.5	1.5
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	1.5
40	16QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	2.5
40	16QAM	1	1	17.76	18.08	18.00	17.51	17.66	17.56	20.02	20.09	20.00	22.5	4.5

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000		
Frequency (MHz)				1870	1862.5	1895	1870	1862.5	1895	1870	1862.5	1895		
40	PI2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	26.98	27.0	0.0
40	PI2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.86	25.96	25.96		
40	PI2 BPSK	1	214	23.01	23.02	22.97	22.65	22.76	22.68	25.94	25.90	25.83		
40	PI2 BPSK	108	0	22.81	22.80	22.59	22.02	22.12	22.01	25.28	25.38	25.32	26.0	1.0
40	PI2 BPSK	108	54	23.10	23.11	23.04	22.53	22.64	22.52	25.83	25.89	25.80	27.0	0.0
40	PI2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22		
40	PI2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.30	25.36	25.23	26.0	1.0
40	QPSK	1	1	23.16	23.20	23.07	22.58	23.08	22.58	26.15	26.15	26.03		
40	QPSK	1	108	23.03	23.14	23.01	22.81	23.02	22.77	25.93	26.04	25.90	27.0	0.0
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95		
40	QPSK	108	0	21.09	22.08	22.00	21.35	21.43	21.28	24.68	24.78	24.67	25.5	1.5
40	QPSK	108	54	20.96	22.10	22.03	22.27	22.87	22.77	25.86	26.00	25.81	27.0	0.0
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.55	21.40	24.73	24.82	24.70		
40	QPSK	216	0	21.69	21.80	21.75	21.36	21.45	21.31	24.54	24.64	24.55	26.5	1.5
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01	25.5	1.5
40	16QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.60	23.66	23.43	24.5	2.5
40	16QAM	1	1	18.17	18.25	18.13	17.61	17.62	17.61	21.00	21.10	20.98	22.5	4.5



n66				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				346000	349000	352000	346000	349000	352000	346000	349000	352000		
Frequency (MHz)				1735	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.86	22.81	26.11	26.24	26.12	27.0	0.0
40	PI2 BPSK	1	108	23.34	23.45	23.39	22.80	22.90	22.80	26.09	26.19	26.11		
40	PI2 BPSK	1	214	23.30	23.40	23.35	22.80	22.84	22.84	26.11	26.19	26.11		
40	PI2 BPSK	108	0	22.88	22.89	22.87	21.62	21.70	21.62	26.19	26.23	26.19	26.0	1.0
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0
40	PI2 BPSK	108	108	22.80	22.85	22.87	21.58	21.65	21.60	26.13	26.19	26.08	26.0	1.0
40	PI2 BPSK	214	0	22.89	22.70	22.87	21.65	21.69	21.61	26.17	26.23	26.13	27.0	0.0
40	QPSK	1	1	23.45	23.50	23.43	22.95	23.00	22.98	26.22	26.27	26.22		
40	QPSK	1	108	23.37	23.44	23.39	22.75	22.80	22.81	26.08	26.19	26.12		
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05	25.5	1.5
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54		
40	QPSK	108	54	23.34	23.45	23.29	22.80	22.85	22.84	26.09	26.19	26.13		
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.67	24.68	24.68	26.5	1.5
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.68	26.5	1.5
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76		
40	16QAM	1	1	20.85	20.89	20.69	19.83	19.88	19.87	23.27	23.37	23.31		
40	256QAM	1	1	18.08	18.23	18.17	17.67	17.69	17.60	20.94	20.94	20.88	22.5	4.5

n66				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				346000	349000	352000	346000	349000	352000	346000	349000	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.29	23.32	23.43	23.30	23.37	23.31	26.36	26.46	26.38	27.0	0.0
40	PI2 BPSK	1	108	23.33	23.40	23.36	23.26	23.35	23.28	26.31	26.43	26.33		
40	PI2 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33		
40	PI2 BPSK	108	0	22.79	22.91	22.83	22.87	22.75	22.88	25.74	25.84	25.77	26.0	1.0
40	PI2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0
40	PI2 BPSK	108	108	22.70	22.85	22.75	22.46	22.51	22.42	25.59	25.69	25.61	26.0	1.0
40	PI2 BPSK	216	0	22.81	22.90	22.83	22.44	22.52	22.48	25.84	25.75	25.87	27.0	0.0
40	QPSK	1	1	23.44	23.59	23.50	23.30	23.41	23.37	26.41	26.51	26.45		
40	QPSK	1	108	23.39	23.54	23.42	23.28	23.36	23.28	26.35	26.46	26.36		
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37	25.5	1.5
40	QPSK	108	0	21.93	22.07	21.98	21.74	21.82	21.75	24.65	24.66	24.68		
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.19	26.39	26.39	26.31		
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78	25.9	1.5
40	QPSK	216	0	21.30	21.42	21.33	21.15	21.20	21.11	24.24	24.32	24.23	26.5	1.5
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23		
40	16QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80		
40	256QAM	1	1	18.16	18.31	18.26	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50500	51658	52800	50500	51658	52800	50500	51658	52800		
				52450	53250	54050	52450	53250	54050	52450	53250	54050		
100	PC2BPSK	1	1	22.80	23.38	23.93	22.80	23.31	22.85	25.74	26.15	26.06		
100	PC2BPSK	1	137	22.76	23.20	23.15	22.83	22.82	22.78	25.71	26.02	25.86		
100	PC2BPSK	1	271	22.80	23.02	23.08	22.81	22.88	22.77	25.57	25.86	25.84		
100	PC2BPSK	135	0	22.80	23.15	23.12	22.86	22.73	22.85	25.57	25.86	25.80		
100	PC2BPSK	135	60	22.72	23.27	23.32	22.83	22.77	22.81	25.89	26.04	26.06		
100	PC2BPSK	135	158	22.81	23.03	23.15	22.41	22.88	22.86	25.52	25.86	25.88		
100	PC2BPSK	270	0	22.50	23.16	23.22	22.57	22.88	22.85	25.58	25.93	25.93		
100	QPSK	1	1	22.20	23.44	23.37	22.77	23.04	22.59	25.57	26.25	26.15		
100	QPSK	1	137	22.76	23.26	23.29	22.88	22.91	22.78	25.86	26.12	26.06		
100	QPSK	1	271	22.75	23.15	23.17	22.58	22.78	22.77	25.86	25.86	25.86		
100	QPSK	135	0	22.74	23.28	23.22	22.59	22.79	22.73	25.88	26.04	25.99		
100	QPSK	135	60	22.74	23.28	23.22	22.59	22.79	22.73	25.88	26.04	25.99		
100	QPSK	135	158	22.89	23.17	23.18	22.47	22.74	22.64	25.59	25.97	25.93		
100	QPSK	270	0	22.89	23.27	23.24	22.85	22.83	22.72	25.88	26.07	26.00		
100	SSBAM	1	1	22.80	23.08	23.04	22.86	22.76	22.74	25.79	26.10	26.06		
100	SSBAM	1	1	22.80	23.38	23.36	22.85	22.81	22.74	25.79	26.15	26.07		
100	SSBAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	23.80	24.40	23.97		

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50500	51658	52800	50500	51658	52800	50500	51658	52800		
				52450	53020	5360	52450	53020	5360	52450	53020	5360		
100	PC1BPSK	1	1	25.84	26.33	26.25	25.60	25.92	25.77	28.81	29.14	29.04		
100	PC1BPSK	1	137	25.24	25.61	25.67	25.05	25.32	25.19	28.16	28.48	28.39		
100	PC1BPSK	1	271	25.59	25.77	25.70	25.68	25.28	25.11	28.29	28.64	28.43		
100	PC1BPSK	135	0	24.65	24.84	24.78	24.54	24.52	24.37	27.42	27.69	27.59		
100	PC1BPSK	135	60	25.25	25.82	25.58	25.08	25.33	25.06	28.18	28.44	28.34		
100	PC1BPSK	135	158	24.82	24.79	24.71	24.25	24.51	24.35	27.40	27.65	27.53		
100	PC1BPSK	270	0	24.54	24.95	24.82	24.38	24.57	24.39	27.42	27.77	27.67		
100	QPSK	1	1	25.05	25.40	25.22	25.12	25.04	25.05	28.29	28.16	28.16		
100	QPSK	1	137	25.15	25.19	25.08	24.94	25.70	25.95	28.69	28.92	28.88		
100	QPSK	1	271	25.56	25.86	25.84	25.51	25.46	25.31	28.41	28.74	28.65		
100	QPSK	135	0	24.31	24.89	24.85	24.52	24.32	24.14	27.18	27.52	27.41		
100	QPSK	135	60	24.31	24.87	24.82	24.52	24.32	24.14	27.18	27.52	27.41		
100	QPSK	135	158	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27		
100	QPSK	270	0	24.25	24.84	24.80	24.54	24.20	24.03	27.18	27.44	27.33		
100	SSBAM	1	1	23.89	23.98	23.85	23.18	23.44	23.28	23.56	24.08	23.88		
100	SSBAM	1	1	23.35	23.73	23.71	23.15	23.48	23.35	26.27	26.61	26.53		
100	SSBAM	1	1	20.95	21.34	21.32	20.89	20.86	20.80	23.83	24.17	24.08		



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.81	25.82	26.83	24.81	25.82	26.83	24.81	25.82	26.83		
100	PI2-BPSK	1	1	22.41	22.84	22.88	22.88	22.88	22.76	25.96	25.97	25.83		
100	PI2-BPSK	1	137	22.18	22.84	22.87	22.81	22.85	22.86	25.41	25.86	25.83	27.0	0.0
100	PI2-BPSK	1	271	22.15	22.67	22.80	22.47	22.77	22.64	25.32	25.73	25.73		
100	PI2-BPSK	135	5	22.05	22.75	22.75	22.51	22.76	22.57	25.20	25.79	25.67	27.0	0.0
100	PI2-BPSK	135	89	22.26	22.67	22.81	22.50	22.85	22.86	25.39	25.87	25.70	27.0	0.0
100	PI2-BPSK	135	138	22.05	22.67	22.89	22.26	22.69	22.46	25.19	25.67	25.69	27.0	0.0
100	PI2-BPSK	215	5	22.21	22.85	22.82	22.43	22.77	22.76	25.33	25.80	25.85		
100	QPSK	1	1	22.46	22.64	22.62	22.29	22.55	22.21	22.52	25.09	25.09		
100	QPSK	1	137	22.32	22.84	22.81	22.69	22.78	22.51	25.96	25.96	25.78	27.0	0.0
100	QPSK	1	271	22.24	22.82	22.85	22.54	22.82	22.64	25.40	25.88	25.78		
100	QPSK	135	5	22.18	22.60	22.88	22.58	22.88	22.38	25.89	25.78	27.0	0.0	
100	QPSK	135	89	22.15	22.66	22.86	22.25	22.85	22.57	25.87	25.87	27.0	0.0	
100	QPSK	135	138	22.12	22.75	22.76	22.43	22.77	22.55	25.20	25.78	25.67	27.0	0.0
100	QPSK	215	5	22.27	22.83	22.85	22.53	22.83	22.61	25.41	25.82	25.84		
100	SSBAM	1	1	22.46	22.64	22.63	22.29	22.52	22.27	25.59	25.59	25.59	27.0	0.0
100	SSBAM	1	1	22.32	22.85	22.98	22.64	22.94	22.65	25.49	25.92	25.93	27.0	0.0
100	SSBAM	1	1	20.55	24.14	21.11	20.29	20.69	21.09	23.88	24.08	24.32	25.5	1.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.81	25.82	26.83	24.81	25.82	26.83	24.81	25.82	26.83		
100	PI2-BPSK	1	1	25.43	25.97	25.92	25.72	25.94	25.92	25.92	25.92	25.92		
100	PI2-BPSK	1	137	25.44	25.46	25.40	25.62	25.17	25.03	25.04	25.33	25.23	30.0	0.0
100	PI2-BPSK	1	271	25.01	25.45	25.40	25.03	25.16	25.03	25.03	25.32	25.23		
100	PI2-BPSK	135	5	24.92	25.04	25.02	24.97	24.71	24.96	27.86	27.86	27.81	29.0	1.0
100	PI2-BPSK	135	89	25.00	25.22	25.18	25.07	25.11	25.07	28.05	28.18	28.14	30.0	0.0
100	PI2-BPSK	135	138	24.14	24.65	24.58	24.38	24.48	24.46	27.27	27.63	27.63	29.0	1.0
100	PI2-BPSK	215	5	24.25	25.00	25.00	24.98	24.82	24.48	27.33	27.82	27.82		
100	QPSK	1	1	25.02	25.00	25.00	25.03	25.05	25.01	25.02	25.05	25.07		
100	QPSK	1	137	25.08	25.91	25.45	25.91	25.93	25.46	28.21	28.33	28.44	30.0	0.0
100	QPSK	1	271	25.00	25.44	25.40	25.15	25.42	25.27	28.11	28.44	28.32		
100	QPSK	135	5	24.09	24.61	24.57	24.37	24.37	24.44	27.24	27.60	27.52	28.5	1.8
100	QPSK	135	89	24.08	24.58	24.57	24.37	24.34	24.44	27.54	27.89	27.89	28.5	0.0
100	QPSK	135	138	24.01	24.35	24.20	24.09	24.20	24.10	27.68	27.29	27.21	28.0	1.0
100	QPSK	215	5	24.01	24.52	24.48	24.01	24.23	24.12	27.62	27.30	27.31		
100	SSBAM	1	1	20.55	24.38	21.51	20.28	20.54	20.42	20.20	20.50	20.49	20.0	1.0
100	SSBAM	1	1	20.02	23.54	23.48	23.25	23.48	23.38	20.15	20.52	20.41	27.5	2.5
100	SSBAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.70	24.11	24.01	25.5	4.5



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.		
Channel				505002	518008	528000	505002	518008	528000	505002	518008	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79
100	PI2-BPSK	1	1	22.70	23.11	22.98	22.66	23.00	22.94	23.69	23.07	23.77		
100	PI2-BPSK	1	137	22.60	22.94	22.73	22.45	22.79	22.43	23.34	23.81	23.99	27.0	0.0
100	PI2-BPSK	135	5	22.49	22.80	22.70	22.47	22.80	22.50	23.40	23.89	23.64	27.0	0.0
100	PI2-BPSK	135	66	22.61	22.01	22.83	22.50	22.99	22.80	23.60	23.02	23.73	27.0	0.0
100	PI2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	23.36	23.82	23.82	27.0	0.0
100	PI2-BPSK	235	5	22.57	22.80	22.80	22.52	22.82	22.47	23.50	23.87	23.65		
100	QPSK	1	1	22.79	23.10	22.91	22.70	23.10	22.80	23.77	23.14	23.27	27.0	0.0
100	QPSK	1	137	22.73	23.04	22.89	22.60	22.87	22.60	23.70	23.82	23.78		
100	QPSK	1	271	22.65	22.92	22.79	22.54	22.83	22.51	23.81	23.89	23.88		
100	QPSK	135	5	22.58	23.04	22.85	22.50	22.87	22.59	23.57	23.82	23.73	27.0	0.0
100	QPSK	135	66	22.68	22.01	22.87	22.50	22.99	22.80	23.60	23.02	23.13	27.0	0.0
100	QPSK	135	138	22.46	22.81	22.75	22.45	22.88	22.52	23.44	23.91	23.85	27.0	0.0
100	QPSK	235	5	22.92	22.85	22.93	22.58	22.88	22.53	23.81	23.87	23.74		
100	SSB-AM	1	1	22.71	23.10	22.81	22.81	23.09	22.38	23.67	23.13	23.36	27.0	0.0
100	SSB-AM	1	1	22.79	23.13	23.00	22.81	23.02	22.85	23.72	23.09	23.84	27.0	0.0
100	SSB-AM	1	1	20.38	20.71	20.57	20.64	20.47	20.63	21.83	21.76	21.81	20.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.		
Channel				505002	518008	528000	505002	518008	528000	505002	518008	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79
100	PI2-BPSK	1	1	23.82	23.33	23.92	23.73	23.05	23.73	23.79	23.10	23.84		
100	PI2-BPSK	1	137	23.30	23.58	23.39	23.19	23.52	23.00	23.26	23.46	23.21	30.0	0.0
100	PI2-BPSK	1	271	23.21	23.03	23.34	23.05	23.36	23.01	23.44	23.46	23.19		
100	PI2-BPSK	135	5	24.52	24.81	24.60	24.00	24.51	24.17	27.31	27.87	27.59	30.0	1.0
100	PI2-BPSK	135	66	23.20	23.52	23.34	23.12	23.26	23.15	23.17	23.40	23.20	30.0	0.0
100	PI2-BPSK	135	138	24.29	24.52	24.31	24.07	24.11	24.07	27.17	27.34	27.20	29.0	1.0
100	PI2-BPSK	235	5	24.36	24.71	24.51	24.17	24.30	24.16	27.28	27.52	27.35		
100	QPSK	1	1	23.82	23.30	23.99	23.80	23.14	23.79	23.84	23.17	23.80	30.0	0.0
100	QPSK	1	137	23.79	23.67	23.66	23.10	23.60	23.10	23.78	23.66	23.71		
100	QPSK	1	271	23.50	23.58	23.30	23.01	23.30	23.00	23.18	23.46	23.10		
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.8
100	QPSK	135	66	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60	23.60	30.0	0.0
100	QPSK	135	138	24.06	24.30	24.00	24.03	24.11	24.04	27.03	27.22	27.05	30.0	1.0
100	QPSK	235	5	24.02	24.21	24.48	24.21	24.20	24.23	27.13	27.25	27.17		
100	SSB-AM	1	1	21.00	21.30	21.00	21.00	21.04	21.00	23.21	23.00	23.00	30.0	1.8
100	SSB-AM	1	1	21.02	21.31	21.10	21.00	21.22	21.07	21.97	21.89	21.93	27.5	2.5
100	SSB-AM	1	1	20.38	20.70	20.59	20.67	20.76	20.83	21.83	21.78	21.82	20.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62
100	PI2-BPSK	1	1	22.12	22.62	22.82	22.12	22.62	22.82	22.12	22.62	22.82	27.0	0.0
100	PI2-BPSK	1	137	22.71	22.62	22.81	22.71	22.62	22.82	22.72	22.62	22.82	27.0	0.0
100	PI2-BPSK	1	271	22.84	22.62	22.83	22.71	22.12	22.76	22.82	22.84	22.81	27.0	0.0
100	PI2-BPSK	135	5	22.88	22.62	22.82	22.52	22.12	22.72	22.82	22.82	22.76	27.0	0.0
100	PI2-BPSK	135	66	22.89	22.62	22.81	22.69	22.12	22.82	22.76	22.13	22.82	27.0	0.0
100	PI2-BPSK	135	138	22.88	22.72	22.82	22.81	22.71	22.82	22.82	22.72	22.72	27.0	0.0
100	PI2-BPSK	215	5	22.82	22.76	22.81	22.82	22.12	22.81	22.82	22.82	22.82	27.0	0.0
100	QPSK	1	1	22.27	22.12	22.12	22.27	22.42	22.22	22.22	22.22	22.22	27.0	0.0
100	QPSK	1	137	22.76	22.12	22.12	22.41	22.42	22.42	22.24	22.24	22.24	27.0	0.0
100	QPSK	1	271	22.72	22.02	22.82	22.72	22.22	22.82	22.74	22.14	22.84	27.0	0.0
100	QPSK	135	5	22.72	22.91	22.83	22.59	22.23	22.83	22.73	22.82	22.84	27.0	0.0
100	QPSK	135	66	22.82	22.91	22.81	22.51	22.12	22.81	22.76	22.82	22.82	27.0	0.0
100	QPSK	135	138	22.81	22.72	22.72	22.81	22.13	22.81	22.82	22.82	22.82	27.0	0.0
100	QPSK	215	5	22.72	22.82	22.82	22.73	22.17	22.82	22.72	22.84	22.81	27.0	0.0
100	SSB-AM	1	1	22.81	22.12	22.82	22.82	22.42	22.22	22.22	22.22	22.22	27.0	0.0
100	SSB-AM	1	1	22.72	22.52	22.82	22.82	22.82	22.72	22.82	22.82	22.82	27.0	0.0
100	SSB-AM	1	1	22.32	22.72	22.82	22.52	22.82	22.82	22.82	22.82	22.82	22.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62
100	PI2-BPSK	1	1	22.82	22.52	22.82	22.82	22.37	22.91	22.82	22.25	22.81	30.0	0.0
100	PI2-BPSK	1	137	22.32	22.62	22.42	22.82	22.62	22.15	22.25	22.84	22.32	30.0	0.0
100	PI2-BPSK	1	271	22.32	22.52	22.42	22.82	22.82	22.12	22.12	22.82	22.25	30.0	0.0
100	PI2-BPSK	135	5	22.42	22.72	22.82	22.84	22.82	22.31	22.41	22.82	22.41	30.0	1.0
100	PI2-BPSK	135	66	22.12	22.42	22.22	22.82	22.52	22.07	22.11	22.82	22.17	30.0	0.0
100	PI2-BPSK	135	138	22.32	22.42	22.81	22.82	22.82	22.82	22.82	22.82	22.82	30.0	1.0
100	PI2-BPSK	215	5	22.34	22.81	22.41	22.22	22.72	22.22	22.72	22.72	22.72	30.0	0.0
100	QPSK	1	1	22.12	22.11	22.12	22.12	22.12	22.12	22.12	22.12	22.12	30.0	0.0
100	QPSK	1	137	22.82	22.82	22.42	22.42	22.82	22.12	22.42	22.82	22.82	30.0	0.0
100	QPSK	1	271	22.32	22.52	22.22	22.81	22.82	22.47	22.32	22.74	22.32	27.0	1.2
100	QPSK	135	5	22.12	22.29	22.12	22.82	22.44	22.02	22.84	22.32	22.84	27.0	1.2
100	QPSK	135	66	22.82	22.82	22.82	22.82	22.82	22.82	22.82	22.82	22.82	27.0	0.0
100	QPSK	135	138	22.82	22.21	22.07	22.84	22.82	22.82	22.82	22.82	22.82	27.0	1.2
100	QPSK	215	5	22.82	22.22	22.42	22.82	22.82	22.82	22.82	22.82	22.82	27.0	1.2
100	SSB-AM	1	1	22.81	22.22	22.82	22.82	22.82	22.82	22.82	22.82	22.82	27.0	1.2
100	SSB-AM	1	1	22.82	22.21	22.82	22.82	22.82	22.82	22.82	22.82	22.82	27.0	2.5
100	SSB-AM	1	1	22.32	22.72	22.84	22.82	22.82	22.84	22.82	22.84	22.82	22.5	4.5



Part96_n48				Ant 4			Ant 8			Ant 4+8						Tune-up limit (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98		
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.45	19.45	19.47	19.45	19.45	19.47	19.45	19.45	
40	QPSK	1	63	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48	22.53	22.53	22.48	24.0	
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59	22.64	22.61	22.59	24.0	
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.85	20.99	21.11	21.02	20.99	21.11	21.02	22.5	
40	QPSK	53	27	19.97	19.93	19.98	19.22	19.22	19.19	22.57	22.65	22.61	22.57	22.65	22.61	24.0	
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	21.03	21.11	21.05	22.5	
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25	21.32	21.37	21.25	22.5	
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	22.11	22.24	22.12	23.5	
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	20.08	20.13	20.06	21.5	
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	17.90	17.94	17.89	19.5	

Part96_n48				Ant 4			Ant 6			Ant 4+6						Tune-up limit (dB)	MRR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98
40	QPSK	1	1	19.93	19.97	19.98	18.53	18.52	18.50	22.59	22.59	22.57	22.59	22.59	22.57	24.0		
40	QPSK	1	63	19.82	19.78	19.79	18.01	18.09	18.05	22.02	22.03	22.02	22.02	22.03	22.02	24.0		
40	QPSK	1	104	19.84	19.81	19.78	17.98	18.10	18.04	22.02	22.05	22.01	22.02	22.05	22.01	24.0		
40	QPSK	53	0	18.21	18.32	18.21	16.63	16.69	16.72	20.50	20.59	20.54	20.50	20.59	20.54	22.5		
40	QPSK	53	27	19.97	19.93	19.98	19.22	19.22	19.19	22.57	22.65	22.61	22.57	22.65	22.61	24.0		
40	QPSK	53	53	18.29	18.34	18.29	16.64	16.70	16.63	20.55	20.61	20.55	20.55	20.61	20.55	22.5		
40	QPSK	106	0	18.53	18.60	18.46	16.63	16.71	16.65	20.89	20.77	20.86	20.89	20.77	20.86	22.5		
40	16QAM	1	1	19.26	19.37	19.23	17.75	17.82	17.76	21.58	21.67	21.67	21.58	21.67	21.67	23.5		
40	64QAM	1	1	17.34	17.36	17.31	15.75	15.81	15.73	19.63	19.66	19.60	19.63	19.66	19.60	21.5		
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.01	17.05	17.00	17.01	17.05	17.00	19.5		



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				19.23	19.24.99	19.27.98	19.30	19.31.99	19.34.98	19.37	19.38.99	19.41.98		
40	QPSK	1	1	19.45	19.46	19.58	19.45	19.47	19.40	22.44	22.48	22.40	24.0	0.0
40	QPSK	1	53	19.27	19.27	19.30	19.19	19.25	19.12	22.24	22.27	22.22		
40	QPSK	1	104	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34		
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	1.5
40	QPSK	53	21	19.35	19.43	19.28	19.21	19.32	19.19	22.36	22.39	22.31	24.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	1.5
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		
40	16QAM	1	1	19.08	19.10	19.03	18.93	19.09	18.98	22.02	22.11	22.02	23.5	0.5
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	2.5
40	256QAM	1	1	14.72	14.69	14.67	14.66	14.64	14.67	17.65	17.66	17.63	19.5	4.5

Part96_n48				Ant 3			Ant 6			Ant 3+6			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				19.23	19.24.99	19.27.98	19.30	19.31.99	19.34.98	19.37	19.38.99	19.40	19.41.99	19.43.98	
40	QPSK	1	1	19.75	19.90	19.81	19.81	19.39	19.24	22.10	22.20	22.11	24.0	0.0	
40	QPSK	1	53	19.72	19.73	19.70	18.21	18.24	18.15	22.04	22.06	22.00			
40	QPSK	1	104	19.75	19.87	19.76	18.23	18.28	18.19	22.07	22.16	22.06			
40	QPSK	53	0	18.23	18.27	18.22	16.68	16.72	16.63	20.53	20.57	20.51	22.5	1.5	
40	QPSK	53	21	19.77	19.89	19.77	18.23	18.28	18.14	22.06	22.16	22.04	24.0	0.0	
40	QPSK	53	53	18.37	18.39	18.25	16.73	16.74	16.66	20.64	20.65	20.54	22.5	1.5	
40	QPSK	106	0	18.41	18.40	18.42	16.63	16.55	16.45	20.58	20.62	20.56			
40	16QAM	1	1	18.99	19.11	19.00	17.61	17.66	17.53	21.26	21.46	21.34	23.0	1.0	
40	64QAM	1	1	17.11	17.13	17.01	15.45	15.51	15.41	19.37	19.41	19.29	21.0	3.0	
40	256QAM	1	1	14.80	15.00	14.86	13.15	13.19	13.07	17.12	17.20	17.13	19.0	6.0	



Part27Q_n77(PC2)		Ant 4			Ant 8			Ant 4+8			Total Power [dBm]	Total Power [dBm]	
Power [dBm]	Channel	Sub-Channel	Modulation	Power [dBm]	Channel	Sub-Channel	Modulation	Power [dBm]	Channel	Sub-Channel			Modulation
100	PC2-CH1	1	1	23.0				26.5				0.0	0.0
100	PC2-CH1	1	2PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	3PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	4PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	5PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	6PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	7PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	8PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	9PI	23.0				26.5				0.0	0.0
100	PC2-CH1	1	10PI	23.0				26.5				0.0	0.0

Part27Q_n77(PC1.5)		Ant 4			Ant 8			Ant 4+8			Total Power [dBm]	Total Power [dBm]	
Power [dBm]	Channel	Sub-Channel	Modulation	Power [dBm]	Channel	Sub-Channel	Modulation	Power [dBm]	Channel	Sub-Channel			Modulation
100	PC1-CH1	1	1	23.0				26.5				0.0	0.0
100	PC1-CH1	1	2PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	3PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	4PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	5PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	6PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	7PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	8PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	9PI	23.0				26.5				0.0	0.0
100	PC1-CH1	1	10PI	23.0				26.5				0.0	0.0



Part27Q_n77(PC2)					Ant 4			Ant 6			Ant 4+6				
Ant 4	Ant 6	Ant 4+6	Ant 4	Ant 6	Ant 4	Ant 6	Ant 4+6	Ant 4	Ant 6	Ant 4+6	Ant 4	Ant 6	Ant 4+6	Ant 4	Ant 6
156	PC2	1	1	1	0.00	0.00	0.00							0.00	0.00
156	PC2	1	101	1	10.00	10.00	10.00							21.0	10.0
156	PC2	1	102	1	10.00	10.00	10.00							21.0	10.0
156	PC2	1	103	1	10.00	10.00	10.00							21.0	10.0
156	PC2	100	100	100	100.00	100.00	100.00							210.0	100.0
156	PC2	101	101	101	101.00	101.00	101.00							212.1	101.0
156	PC2	102	102	102	102.00	102.00	102.00							214.2	102.0
156	PC2	103	103	103	103.00	103.00	103.00							216.3	103.0
156	PC2	104	104	104	104.00	104.00	104.00							218.4	104.0
156	PC2	105	105	105	105.00	105.00	105.00							220.5	105.0
156	PC2	106	106	106	106.00	106.00	106.00							222.6	106.0
156	PC2	107	107	107	107.00	107.00	107.00							224.7	107.0
156	PC2	108	108	108	108.00	108.00	108.00							226.8	108.0
156	PC2	109	109	109	109.00	109.00	109.00							228.9	109.0
156	PC2	110	110	110	110.00	110.00	110.00							231.0	110.0
156	PC2	111	111	111	111.00	111.00	111.00							233.1	111.0
156	PC2	112	112	112	112.00	112.00	112.00							235.2	112.0
156	PC2	113	113	113	113.00	113.00	113.00							237.3	113.0
156	PC2	114	114	114	114.00	114.00	114.00							239.4	114.0
156	PC2	115	115	115	115.00	115.00	115.00							241.5	115.0
156	PC2	116	116	116	116.00	116.00	116.00							243.6	116.0
156	PC2	117	117	117	117.00	117.00	117.00							245.7	117.0
156	PC2	118	118	118	118.00	118.00	118.00							247.8	118.0
156	PC2	119	119	119	119.00	119.00	119.00							249.9	119.0
156	PC2	120	120	120	120.00	120.00	120.00							252.0	120.0
156	PC2	121	121	121	121.00	121.00	121.00							254.1	121.0
156	PC2	122	122	122	122.00	122.00	122.00							256.2	122.0
156	PC2	123	123	123	123.00	123.00	123.00							258.3	123.0
156	PC2	124	124	124	124.00	124.00	124.00							260.4	124.0
156	PC2	125	125	125	125.00	125.00	125.00							262.5	125.0



Part27Q_n77(PC2)										
		Ant 3			Ant 8			Ant 3+8		
Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	
100	PC2	1	1	1	1	1	1	1	1	
100	PC2	1	100	1	100	1	100	1	100	
100	PC2	1	200	1	200	1	200	1	200	
100	PC2	1	300	1	300	1	300	1	300	
100	PC2	1	400	1	400	1	400	1	400	
100	PC2	1	500	1	500	1	500	1	500	
100	PC2	1	600	1	600	1	600	1	600	
100	PC2	1	700	1	700	1	700	1	700	
100	PC2	1	800	1	800	1	800	1	800	
100	PC2	1	900	1	900	1	900	1	900	
100	PC2	1	1000	1	1000	1	1000	1	1000	

Part27Q_n77(PC1.5)										
		Ant 3			Ant 8			Ant 3+8		
Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	Ant. 27Q	
100	PC1.5	1	1	1	1	1	1	1	1	
100	PC1.5	1	100	1	100	1	100	1	100	
100	PC1.5	1	200	1	200	1	200	1	200	
100	PC1.5	1	300	1	300	1	300	1	300	
100	PC1.5	1	400	1	400	1	400	1	400	
100	PC1.5	1	500	1	500	1	500	1	500	
100	PC1.5	1	600	1	600	1	600	1	600	
100	PC1.5	1	700	1	700	1	700	1	700	
100	PC1.5	1	800	1	800	1	800	1	800	
100	PC1.5	1	900	1	900	1	900	1	900	
100	PC1.5	1	1000	1	1000	1	1000	1	1000	



Part27Q_n78				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				633332	633332	633332	633332	633332	633332	633332	633332	633332		
Frequency (MHz)				3499.98	3499.98	3499.98	3499.98	3499.98	3499.98	3499.98	3499.98	3499.98		
100	QPSK	1	1	22.30			22.15			25.24				
100	QPSK	1	137	22.17			22.10			25.15			27.0	0.0
100	QPSK	1	271	22.24			22.12			25.19				
100	QPSK	137	0	20.58			20.04			23.33			25.0	2.0
100	QPSK	137	68	22.15			22.00			25.05			27.0	0.0
100	QPSK	137	136	20.74			20.18			23.48				
100	QPSK	273	0	20.85			20.12			23.41			25.0	2.0
100	16QAM	1	1	21.54			21.41			24.49			26.0	1.0
100	64QAM	1	1	20.07			19.75			22.92			24.5	2.5
100	256QAM	1	1	17.07			16.81			19.56			21.5	5.5



Part270_n78				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				650000			650000			650000				
Frequency (MHz)				21.90			21.90			21.90				
100	QPSK	1	1	22.16			22.17			25.16			27.0	0.0
100	QPSK	1	137	22.00			22.08			25.05				
100	QPSK	1	271	22.06			22.10			25.09				
100	QPSK	137	0	20.60			20.10			23.37			25.0	2.0
100	QPSK	137	68	22.04			22.05			25.06			27.0	0.0
100	QPSK	137	136	20.77			20.15			23.48			25.0	2.0
100	QPSK	273	0	20.88			20.15			23.44			25.0	2.0
100	16QAM	1	1	21.52			21.55			24.55			26.0	1.0
100	64QAM	1	1	19.85			19.80			22.84			24.5	2.5
100	256QAM	1	1	16.85			17.00			18.94			21.5	5.5



Part270_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MFR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				2192	2192	2192	2192	2192	2192	2192	2192	2192		
100	QPSK	1	1	22.16	22.16	22.16	22.16	22.16	22.16	22.16	22.16	22.16	27.0	0.0
100	QPSK	1	137	22.00	22.05	22.05	22.05	22.05	22.05	22.05	22.05	22.05		
100	QPSK	1	271	22.96	22.10	22.10	22.10	22.10	22.10	22.10	22.10	22.10		
100	QPSK	137	0	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	25.0	2.0
100	QPSK	137	68	20.94	20.97	20.97	20.97	20.97	20.97	20.97	20.97	20.97	27.0	0.0
100	QPSK	137	136	20.77	20.52	20.52	20.52	20.52	20.52	20.52	20.52	20.52	25.0	2.0
100	QPSK	273	0	20.68	20.45	20.45	20.45	20.45	20.45	20.45	20.45	20.45	25.0	2.0
100	16QAM	1	1	21.52	21.60	21.60	21.60	21.60	21.60	21.60	21.60	21.60	26.0	1.0
100	64QAM	1	1	19.86	19.96	19.96	19.96	19.96	19.96	19.96	19.96	19.96	24.5	2.5
100	256QAM	1	1	16.85	17.09	17.09	17.09	17.09	17.09	17.09	17.09	17.09	21.5	5.5

RSS-192_n78				Ant 4			Ant 6			Ant 4+6					
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dB)	MFR (dB)	
Channel				633334			636666			640000					
Frequency (MHz)				3002.61	3043.89	3068	3069.01	3049.99	3060	3068.01	3049.99	3060	3068.01	3049.99	3060
100	QPSK	1	1	22.23	22.42	22.50	22.17	22.29	22.13	22.52	22.32	22.18	27.0	0.0	
100	QPSK	1	137	22.06	22.15	22.00	22.08	22.05	22.06	22.06	22.06	22.06	25.11	25.04	
100	QPSK	1	271	22.03	22.18	22.03	22.07	22.00	22.06	22.06	22.06	22.06	25.10	25.06	
100	QPSK	137	0	20.41	20.51	20.38	20.02	20.10	20.09	23.23	23.32	23.25	25.0	2.0	
100	QPSK	137	68	20.96	20.10	20.51	20.49	22.10	23.01	22.08	22.11	22.08	27.0	0.0	
100	QPSK	137	136	20.53	20.60	20.52	20.00	20.07	20.62	23.28	23.35	23.29	25.0	2.0	
100	QPSK	273	0	20.39	20.50	20.44	20.02	20.04	20.01	23.22	23.29	23.24	25.0	2.0	
100	16QAM	1	1	21.62	21.70	21.68	21.43	21.45	21.33	24.54	24.59	24.52	26.0	1.0	
100	64QAM	1	1	19.98	20.12	20.01	20.27	20.30	20.18	23.14	23.22	23.11	24.5	2.5	
100	256QAM	1	1	16.96	17.10	16.97	17.22	17.26	17.32	20.15	20.24	20.16	21.5	5.5	



Part27Q_n78				Ant 3			Ant 8			Ant 3+8				Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq			Power Middle Ch. / Freq
Channel				633332			633332			633332						
Frequency (MHz)				3499.98			3499.98			3499.98						
100	QPSK	1	1	22.15			22.15			25.16					27.0	0.0
100	QPSK	1	137	22.05			22.10			25.09						
100	QPSK	1	271	22.01			22.12			25.08						
100	QPSK	137	0	20.40			20.04			23.23				25.0	2.0	
100	QPSK	137	68	22.00			22.00			25.01				27.0	0.0	
100	QPSK	137	136	20.48			20.18			23.34				25.0	2.0	
100	QPSK	273	0	20.30			20.12			23.22						
100	16QAM	1	1	21.55			21.41			24.49				26.0	1.0	
100	64QAM	1	1	20.20			19.75			22.89				24.5	2.5	
100	256QAM	1	1	17.20			16.81			19.96				21.5	3.5	

Part27O_n78				Ant 3			Ant 8			Ant 3+8				Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq			Power Middle Ch. / Freq
Channel				650000			650000			650000						
Frequency (MHz)				3750			3750			3750						
100	QPSK	1	1	22.15			22.17			25.17					27.0	0.0
100	QPSK	1	137	22.06			22.08			25.08						
100	QPSK	1	271	22.02			22.10			25.07						
100	QPSK	137	0	20.40			20.10			23.26				25.0	2.0	
100	QPSK	137	68	22.00			22.00			25.01				27.0	0.0	
100	QPSK	137	136	20.55			20.15			23.36				25.0	2.0	
100	QPSK	273	0	20.30			20.16			23.24						
100	16QAM	1	1	21.45			21.55			24.51				26.0	1.0	
100	64QAM	1	1	19.99			19.80			22.81				24.5	2.5	
100	256QAM	1	1	17.10			17.20			20.06				21.5	3.5	



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	22.15			22.15			25.16				
100	QPSK	1	137	22.05			22.06			25.07			27.0	0.0
100	QPSK	1	271	22.01			22.01			25.02				
100	QPSK	137	0	20.40			20.17			23.30			26.0	2.0
100	QPSK	137	68	20.00			20.07			23.05			27.0	0.0
100	QPSK	137	136	20.48			20.16			23.33				
100	QPSK	273	0	20.30			20.00			23.18			25.0	2.0
100	16QAM	1	1	21.55			21.25			24.41			26.0	1.0
100	64QAM	1	1	20.00			19.80			22.91			24.5	2.5
100	256QAM	1	1	17.59			17.00			20.06			21.5	5.5

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	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	QPSK	1	1	22.15			22.18			25.18				
100	QPSK	1	137	22.06			22.06			25.07			27.0	0.0
100	QPSK	1	271	22.02			22.10			25.07				
100	QPSK	137	0	20.40			20.50			23.46			26.0	2.0
100	QPSK	137	68	20.00			20.07			23.06			27.0	0.0
100	QPSK	137	136	20.55			20.52			23.55				
100	QPSK	273	0	20.30			20.45			23.39			25.0	2.0
100	16QAM	1	1	21.45			21.60			24.54			26.0	1.0
100	64QAM	1	1	19.99			19.96			22.99			24.5	2.5
100	256QAM	1	1	17.10			17.05			20.06			21.5	5.5



Reduced Power Mode for DS12 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3			Tune-up Int. (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P12 BPSK	1	1	17.02	17.00	17.07	16.44	16.62	16.47	19.75	19.82	19.79		
40	P12 BPSK	1	108	16.97	17.00	17.09	16.48	16.61	16.48	19.74	19.82	19.81	21.0	0.0
40	P12 BPSK	1	214	16.97	17.01	16.98	16.53	16.55	16.45	19.77	19.80	19.73		
40	P12 BPSK	108	0	16.94	17.07	17.08	16.52	16.58	16.58	19.75	19.85	19.85	21.0	0.0
40	P12 BPSK	108	54	17.06	17.08	17.10	16.44	16.50	16.49	19.77	19.81	19.82	21.0	0.0
40	P12 BPSK	108	108	17.05	17.05	17.00	16.44	16.60	16.52	19.77	19.84	19.78		
40	P12 BPSK	216	0	17.02	16.99	16.99	16.46	16.63	16.49	19.76	19.82	19.76	21.0	0.0
40	QPSK	1	1	17.09	17.04	17.12	16.55	16.65	16.65	19.84	19.91	19.88		
40	QPSK	1	108	17.08	17.07	17.08	16.42	16.57	16.57	19.77	19.84	19.84	21.0	0.0
40	QPSK	1	214	16.98	17.08	17.04	16.46	16.54	16.59	19.74	19.83	19.83		
40	QPSK	108	0	17.01	17.01	17.00	16.44	16.58	16.55	19.74	19.81	19.79	21.0	0.0
40	QPSK	108	54	17.08	17.12	17.09	16.51	16.63	16.57	19.81	19.89	19.85	21.0	0.0
40	QPSK	108	108	17.04	17.09	16.98	16.42	16.61	16.62	19.75	19.82	19.77		
40	QPSK	216	0	16.95	17.10	16.98	16.46	16.58	16.58	19.72	19.85	19.80	21.0	0.0
40	16QAM	1	1	17.05	17.06	17.11	16.53	16.57	16.47	19.81	19.83	19.81	21.0	0.0
40	64QAM	1	1	16.95	17.13	16.98	16.45	16.64	16.51	19.72	19.80	19.76	21.0	0.0
40	256QAM	1	1	16.98	17.04	17.03	16.49	16.62	16.53	19.75	19.85	19.80	21.0	0.0

n2				Ant 2			Ant 1			Ant 2+1			Tune-up Int. (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P12 BPSK	1	1	17.99	18.15	17.95	17.89	17.93	17.83	20.95	21.05	20.90		
40	P12 BPSK	1	108	17.90	18.09	18.03	17.88	17.82	17.81	20.90	20.97	20.93	22.0	0.0
40	P12 BPSK	1	214	17.92	18.09	17.91	17.81	17.83	17.80	20.88	20.97	20.87		
40	P12 BPSK	108	0	17.97	18.08	17.90	17.81	17.80	17.88	20.90	20.95	20.86	22.0	0.0
40	P12 BPSK	108	54	17.98	18.04	17.93	17.84	17.81	17.76	20.93	20.99	20.86	22.0	0.0
40	P12 BPSK	108	108	17.91	18.08	18.03	17.81	17.82	17.84	20.87	20.96	20.85		
40	P12 BPSK	216	0	17.88	18.08	17.98	17.85	17.81	17.82	20.88	20.96	20.91	22.0	0.0
40	QPSK	1	1	18.03	18.15	18.05	17.94	17.95	17.98	21.00	21.07	20.98		
40	QPSK	1	108	17.96	18.08	17.90	17.89	17.84	17.75	20.94	21.02	20.84	22.0	0.0
40	QPSK	1	214	17.91	18.14	17.97	17.91	17.93	17.75	20.92	21.05	20.87		
40	QPSK	108	0	17.96	18.02	18.01	17.89	17.80	17.86	20.94	20.92	20.85	22.0	0.0
40	QPSK	108	54	18.00	18.15	18.03	17.92	17.94	17.97	20.97	21.06	20.96	22.0	0.0
40	QPSK	108	108	17.93	18.09	18.00	17.91	17.92	17.82	20.93	21.02	20.92		
40	QPSK	216	0	17.99	18.14	17.97	17.79	17.92	17.74	20.90	21.04	20.87	22.0	0.0
40	16QAM	1	1	17.94	18.09	18.00	17.83	17.88	17.80	20.90	21.00	20.91	22.0	0.0
40	64QAM	1	1	18.00	18.12	17.82	17.88	17.88	17.73	20.94	21.01	20.84	22.0	0.0
40	256QAM	1	1	17.88	18.07	17.93	17.79	17.87	17.67	20.85	20.98	20.91	22.0	0.0



n2				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	PI2 BPSK	1	1	18.17	18.22	18.02	17.87	17.88	17.86	21.03	21.05	20.95		
40	PI2 BPSK	1	108	18.17	18.17	18.02	17.82	17.91	17.82	21.01	21.05	20.93	22.5	0.0
40	PI2 BPSK	1	214	18.17	18.21	18.04	17.79	17.93	17.79	20.99	21.08	20.93		
40	PI2 BPSK	108	0	18.13	18.24	18.09	17.75	17.82	17.92	20.95	21.05	21.02	22.5	0.0
40	PI2 BPSK	108	54	18.08	18.13	18.12	17.77	17.93	17.82	20.94	21.04	20.98	22.5	0.0
40	PI2 BPSK	108	108	18.03	18.10	18.04	17.87	17.93	17.88	20.96	21.05	20.97	22.5	0.0
40	PI2 BPSK	216	0	18.11	18.23	18.01	17.87	17.80	17.81	21.00	21.03	20.92		
40	QPSK	1	1	18.15	18.25	18.16	17.86	17.95	17.84	21.04	21.13	21.05		
40	QPSK	1	108	18.09	18.25	18.14	17.75	17.83	17.81	20.93	21.06	21.04	22.5	0.0
40	QPSK	1	214	18.17	18.25	18.02	17.78	17.87	17.87	20.99	21.07	20.96		
40	QPSK	108	0	18.04	18.13	18.11	17.85	17.91	17.81	20.96	21.03	20.97	22.5	0.0
40	QPSK	108	54	18.14	18.27	18.15	17.86	17.93	17.84	21.01	21.11	21.01	22.5	0.0
40	QPSK	108	108	18.03	18.25	18.13	17.76	17.81	17.81	20.91	21.05	20.98	22.5	0.0
40	QPSK	216	0	18.03	18.23	18.04	17.75	17.82	17.81	20.95	21.09	20.94		
40	16QAM	1	1	18.06	18.26	18.09	17.76	17.86	17.80	20.92	21.07	20.96	22.5	0.0
40	64QAM	1	1	18.07	18.17	18.03	17.83	17.93	17.87	20.96	21.06	20.96	22.5	0.0
40	256QAM	1	1	18.17	18.16	18.04	17.78	17.86	17.86	20.99	21.03	20.96	22.5	0.0

n2				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69		
40	PI2 BPSK	1	108	22.66	22.75	22.60	22.54	22.63	22.57	25.61	25.70	25.60	27.0	0.0
40	PI2 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67		
40	PI2 BPSK	108	0	21.81	21.92	21.86	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0
40	PI2 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.81	24.72	24.64		
40	QPSK	1	1	22.94	22.90	22.89	22.65	22.75	22.74	25.64	25.64	25.62		
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.68	22.62	25.71	25.79	25.68	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67		
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.63	24.50	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.69	25.70	25.79	25.71	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.45	21.32	24.61	24.69	24.50		
40	QPSK	216	0	21.82	21.95	21.83	21.32	21.40	21.31	24.48	24.54	24.43	25.5	1.5
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67	25.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	4.5



n25				Ant 2			Ant 3			Ant 2+3				Tune-up limit (dBm)	MPR (dB)			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.			Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000	314500			316500	319000	
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895						
40	PI2 BPSK	1	1	16.98	17.07	17.03	16.76	16.75	16.70	19.88	19.92	19.88						
40	PI2 BPSK	1	108	17.02	17.11	17.08	16.73	16.87	16.67	19.89	19.89	20.00	19.89					
40	PI2 BPSK	1	214	17.02	17.07	17.07	16.80	16.82	16.75	19.92	19.96	19.92						
40	PI2 BPSK	108	0	17.01	17.19	17.09	16.73	16.82	16.71	19.88	20.02	19.91	21.0	0.0				
40	PI2 BPSK	108	54	17.01	17.18	17.11	16.69	16.86	16.77	19.86	20.03	19.95	21.0	0.0				
40	PI2 BPSK	108	108	17.11	17.08	17.05	16.72	16.77	16.88	19.93	19.93	19.88	21.0	0.0				
40	PI2 BPSK	216	0	17.03	17.13	17.16	16.70	16.81	16.67	19.88	19.98	19.93						
40	QPSK	1	1	17.12	17.20	17.18	16.94	16.95	16.92	19.99	20.05	20.01						
40	QPSK	1	108	16.99	17.12	17.14	16.79	16.83	16.77	19.90	19.99	19.97	21.0	0.0				
40	QPSK	1	214	17.09	17.19	17.05	16.69	16.77	16.70	19.90	20.00	19.88						
40	QPSK	108	0	16.98	17.18	17.04	16.79	16.83	16.87	19.90	20.02	19.87	21.0	0.0				
40	QPSK	108	54	17.00	17.19	17.16	16.80	16.95	16.81	19.91	20.03	20.00	21.0	0.0				
40	QPSK	108	108	16.97	17.15	17.15	16.76	16.76	16.79	19.88	19.97	19.98	21.0	0.0				
40	QPSK	216	0	17.02	17.17	17.16	16.71	16.73	16.69	19.88	19.97	19.94						
40	16QAM	1	1	17.10	17.05	17.07	16.75	16.85	16.73	19.94	19.96	19.91	21.0	0.0				
40	64QAM	1	1	17.06	17.18	17.12	16.71	16.75	16.67	19.90	19.98	19.91	21.0	0.0				
40	256QAM	1	1	17.10	17.12	17.10	16.82	16.85	16.77	19.97	20.00	19.95	21.0	0.0				

n25				Ant 2			Ant 1			Ant 2+1				Tune-up limit (dBm)	MPR (dB)			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.			Power Middle Ch. / Freq.	Power High Ch. / Freq.	
Channel				314500	316500	319000	314500	316500	319000	314500	316500	319000	314500			316500	319000	
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895						
40	PI2 BPSK	1	1	18.18	18.09	18.10	18.53	18.58	18.43	21.37	21.35	21.28						
40	PI2 BPSK	1	108	18.04	18.10	18.12	18.45	18.59	18.47	21.26	21.36	21.31						
40	PI2 BPSK	1	214	18.15	18.12	18.12	18.50	18.52	18.51	21.34	21.33	21.33						
40	PI2 BPSK	108	0	18.07	18.09	18.08	18.42	18.57	18.48	21.28	21.35	21.29	22.0	0.0				
40	PI2 BPSK	108	54	18.09	18.18	18.10	18.43	18.48	18.42	21.27	21.35	21.27	22.0	0.0				
40	PI2 BPSK	108	108	18.13	18.16	18.04	18.50	18.47	18.49	21.33	21.33	21.28						
40	PI2 BPSK	216	0	18.10	18.12	18.08	18.43	18.49	18.45	21.28	21.32	21.28	22.0	0.0				
40	QPSK	1	1	18.19	18.24	18.17	18.55	18.60	18.57	21.35	21.43	21.36						
40	QPSK	1	108	18.17	18.13	18.08	18.45	18.46	18.56	21.32	21.32	21.34	22.0	0.0				
40	QPSK	1	214	18.04	18.10	18.16	18.53	18.52	18.55	21.30	21.33	21.37						
40	QPSK	108	0	18.05	18.18	18.03	18.50	18.55	18.48	21.29	21.38	21.27	22.0	0.0				
40	QPSK	108	54	18.14	18.20	18.10	18.52	18.57	18.50	21.34	21.40	21.31	22.0	0.0				
40	QPSK	108	108	18.13	18.16	18.02	18.47	18.51	18.47	21.31	21.35	21.26						
40	QPSK	216	0	18.16	18.15	18.04	18.49	18.55	18.45	21.34	21.39	21.26	22.0	0.0				
40	16QAM	1	1	18.10	18.15	18.16	18.46	18.45	18.42	21.29	21.31	21.30	22.0	0.0				
40	64QAM	1	1	18.11	18.17	18.07	18.54	18.48	18.49	21.34	21.34	21.30	22.0	0.0				
40	256QAM	1	1	18.15	18.10	18.02	18.48	18.48	18.48	21.33	21.30	21.27	22.0	0.0				



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374500	376500	378500	374500	376500	378500	374500	376500	378500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PV2 BPSK	1	1	18.91	19.12	19.01	18.40	18.34	18.28	21.67	21.76	21.67		
40	PV2 BPSK	1	108	18.93	19.16	19.01	18.39	18.37	18.27	21.68	21.79	21.67	22.5	0.0
40	PV2 BPSK	1	214	18.87	19.11	18.95	18.34	18.32	18.26	21.62	21.74	21.63		
40	PV2 BPSK	108	0	18.89	19.08	19.08	18.39	18.39	18.32	21.66	21.75	21.73	22.5	0.0
40	PV2 BPSK	108	54	18.93	19.14	18.95	18.36	18.33	18.40	21.66	21.76	21.69	22.5	0.0
40	PV2 BPSK	108	108	18.87	19.06	19.07	18.35	18.38	18.32	21.63	21.74	21.72	22.5	0.0
40	PV2 BPSK	216	0	18.92	19.11	19.06	18.30	18.30	18.27	21.63	21.73	21.69		
40	QPSK	1	1	19.05	19.17	19.09	18.42	18.44	18.41	21.73	21.83	21.77		
40	QPSK	1	108	18.89	19.03	18.94	18.36	18.33	18.32	21.70	21.70	21.65	22.5	0.0
40	QPSK	1	214	18.94	19.11	18.99	18.33	18.43	18.34	21.66	21.79	21.69		
40	QPSK	108	0	18.89	19.13	18.97	18.33	18.40	18.38	21.63	21.79	21.70	22.5	0.0
40	QPSK	108	54	18.98	19.14	19.08	18.41	18.42	18.39	21.71	21.81	21.76	22.5	0.0
40	QPSK	108	108	18.88	19.12	19.06	18.38	18.39	18.31	21.65	21.78	21.71	22.5	0.0
40	QPSK	216	0	18.89	19.14	19.05	18.39	18.40	18.39	21.66	21.80	21.70	22.5	0.0
40	16QAM	1	1	18.86	19.11	19.06	18.37	18.30	18.34	21.63	21.73	21.73	22.5	0.0
40	16QAM	1	1	18.86	19.07	18.98	18.27	18.40	18.32	21.59	21.76	21.67	22.5	0.0
40	256QAM	1	1	18.85	19.07	19.00	18.28	18.40	18.30	21.58	21.76	21.67	22.5	0.0

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374200	376500	378600	374200	376500	378600	374200	376500	378600		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PV2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98		
40	PV2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.95	25.86	27.0	0.0
40	PV2 BPSK	1	214	23.01	23.02	22.97	22.85	22.76	22.66	25.84	25.90	25.83		
40	PV2 BPSK	108	0	22.91	22.80	22.99	22.92	23.12	22.91	25.28	25.38	25.32	26.0	1.0
40	PV2 BPSK	108	54	23.10	23.11	23.04	22.83	22.84	22.82	25.83	25.89	25.90	27.0	0.0
40	PV2 BPSK	108	108	22.44	22.83	22.38	22.11	22.17	22.03	25.29	25.36	25.22	26.0	1.0
40	PV2 BPSK	216	0	22.83	22.85	22.41	22.07	22.18	22.03	25.32	25.38	25.23		
40	QPSK	1	1	23.19	23.20	23.07	22.98	23.08	22.96	26.10	26.10	26.03		
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.92	22.77	25.93	26.04	25.96	27.0	0.0
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95		
40	QPSK	108	0	21.89	22.08	22.00	21.35	21.43	21.28	24.69	24.78	24.67	25.5	1.5
40	QPSK	108	54	22.96	23.10	23.03	22.77	22.87	22.77	25.88	26.00	25.91	27.0	0.0
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.56	21.40	24.73	24.82	24.70	25.5	1.5
40	QPSK	216	0	21.69	21.80	21.75	21.36	21.45	21.31	24.54	24.64	24.56		
40	16QAM	1	1	22.68	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01	25.5	1.5
40	16QAM	1	1	20.96	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	2.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.96	22.5	4.5



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel	Frequency (MHz)			346000	346500	347000	346000	346500	347000	346000	346500	347000			
40	PV2 BPSK	1	1	18.78	18.81	18.74	18.39	18.39	18.39	18.29	21.60	21.62	21.53	22.5	0.0
40	PV2 BPSK	1	108	18.74	18.88	18.75	18.35	18.45	18.33	21.56	21.68	21.56			
40	PV2 BPSK	1	214	18.65	18.81	18.74	18.36	18.38	18.41	21.52	21.61	21.59	22.5	0.0	
40	PV2 BPSK	108	0	18.78	18.85	18.74	18.39	18.44	18.31	21.59	21.66	21.54			
40	PV2 BPSK	108	54	18.76	18.85	18.83	18.39	18.39	18.35	21.59	21.64	21.61	22.5	0.0	
40	PV2 BPSK	108	108	18.84	18.74	18.73	18.43	18.45	18.29	21.55	21.61	21.53			
40	PV2 BPSK	216	0	18.72	18.82	18.74	18.38	18.47	18.31	21.56	21.66	21.54	22.5	0.0	
40	QPSK	1	1	18.79	18.89	18.86	18.44	18.42	21.63	21.72	21.69				
40	QPSK	1	108	18.64	18.77	18.76	18.32	18.46	18.39	21.49	21.63	21.58	22.5	0.0	
40	QPSK	1	214	18.72	18.76	18.84	18.37	18.49	18.29	21.56	21.64	21.58			
40	QPSK	108	0	18.74	18.84	18.76	18.40	18.43	18.34	21.58	21.67	21.57	22.5	0.0	
40	QPSK	108	54	18.75	18.86	18.75	18.43	18.48	18.42	21.61	21.68	21.60			
40	QPSK	108	108	18.69	18.83	18.73	18.33	18.39	18.39	21.52	21.63	21.57	22.5	0.0	
40	QPSK	216	0	18.76	18.84	18.83	18.40	18.45	18.39	21.59	21.66	21.63			
40	16QAM	1	1	18.68	18.83	18.85	18.38	18.41	18.30	21.54	21.64	21.59	22.5	0.0	
40	16QAM	1	1	18.74	18.85	18.81	18.30	18.38	18.37	21.54	21.63	21.61			
40	256QAM	1	1	18.73	18.75	18.71	18.38	18.39	18.36	21.57	21.58	21.55	22.5	0.0	
40	256QAM	1	1	18.73	18.75	18.71	18.38	18.39	18.36	21.57	21.58	21.55			

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel	Frequency (MHz)			346000	346500	347000	346000	346500	347000	346000	346500	347000		
40	PV2 BPSK	1	1	19.18	19.23	19.21	19.58	19.68	19.64	22.39	22.47	22.44	23.0	0.0
40	PV2 BPSK	1	108	19.30	19.27	19.24	19.63	19.67	19.64	22.48	22.48	22.45		
40	PV2 BPSK	1	214	19.25	19.33	19.28	19.62	19.69	19.65	22.45	22.52	22.48	23.0	0.0
40	PV2 BPSK	108	0	19.32	19.26	19.26	19.59	19.76	19.67	22.47	22.52	22.48		
40	PV2 BPSK	108	54	19.28	19.31	19.16	19.59	19.73	19.68	22.45	22.54	22.44	23.0	0.0
40	PV2 BPSK	108	108	19.28	19.37	19.23	19.66	19.66	19.60	22.48	22.53	22.43		
40	PV2 BPSK	216	0	19.25	19.23	19.15	19.55	19.66	19.69	22.41	22.46	22.44	23.0	0.0
40	QPSK	1	1	19.33	19.35	19.25	19.69	19.77	19.75	22.52	22.59	22.54		
40	QPSK	1	108	19.26	19.34	19.27	19.65	19.73	19.66	22.44	22.55	22.48	23.0	0.0
40	QPSK	1	214	19.19	19.32	19.25	19.57	19.67	19.66	22.39	22.51	22.47		
40	QPSK	108	0	19.18	19.34	19.28	19.62	19.70	19.60	22.42	22.53	22.45	23.0	0.0
40	QPSK	108	54	19.29	19.38	19.30	19.65	19.71	19.69	22.49	22.56	22.51		
40	QPSK	108	108	19.27	19.32	19.26	19.69	19.69	19.63	22.44	22.52	22.46	23.0	0.0
40	QPSK	216	0	19.21	19.34	19.18	19.60	19.70	19.65	22.42	22.53	22.43		
40	16QAM	1	1	19.21	19.33	19.17	19.67	19.73	19.60	22.46	22.54	22.40	23.0	0.0
40	16QAM	1	1	19.21	19.28	19.20	19.65	19.70	19.65	22.39	22.51	22.44		
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	0.5
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86		



n66				Ant 0			Ant 3			Ant 0+3			Tune-up Int. (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	20.43	20.45	20.43	19.97	20.02	19.87	23.32	23.25	23.17	24.0	0.0
40	PI2 BPSK	1	108	20.43	20.52	20.34	19.90	19.96	19.92	23.18	23.26	23.15		
40	PI2 BPSK	1	214	20.43	20.53	20.37	19.92	20.06	19.96	23.19	23.31	23.18	24.0	0.0
40	PI2 BPSK	108	0	20.41	20.49	20.38	19.89	19.96	19.98	23.17	23.24	23.18		
40	PI2 BPSK	108	54	20.34	20.45	20.47	19.94	20.05	19.93	23.15	23.28	23.22	24.0	0.0
40	PI2 BPSK	108	108	20.42	20.54	20.46	19.91	20.01	19.98	23.18	23.29	23.24		
40	PI2 BPSK	216	0	20.32	20.49	20.45	19.85	20.04	19.86	23.10	23.28	23.18	24.0	0.0
40	QPSK	1	1	20.40	20.99	20.46	20.00	20.07	20.01	23.24	23.25	23.26		
40	QPSK	1	108	20.31	20.58	20.38	19.99	20.05	19.85	23.16	23.33	23.15	24.0	0.0
40	QPSK	1	214	20.31	20.44	20.37	19.89	19.98	19.97	23.12	23.23	23.14		
40	QPSK	108	0	20.34	20.51	20.42	19.91	20.04	19.86	23.14	23.29	23.16	24.0	0.0
40	QPSK	108	54	20.44	20.55	20.45	19.95	20.05	19.92	23.21	23.32	23.20		
40	QPSK	108	108	20.42	20.46	20.40	19.92	19.92	19.90	23.19	23.21	23.17	24.0	0.0
40	QPSK	216	0	20.31	20.52	20.39	19.99	20.00	19.88	23.16	23.29	23.15		
40	16QAM	1	1	20.32	20.49	20.44	19.99	20.04	20.00	23.17	23.28	23.24	24.0	0.0
40	64QAM	1	1	20.35	20.58	20.38	19.89	19.93	19.93	23.14	23.28	23.17		
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	1.5

n66				Ant 0			Ant 1			Ant 0+1			Tune-up Int. (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				346000	346000	346000	346000	346000	346000	346000	346000	346000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38	27.0	0.0
40	PI2 BPSK	1	108	23.33	23.48	23.36	23.26	23.35	23.28	26.31	26.43	26.33		
40	PI2 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33	26.0	1.0
40	PI2 BPSK	108	0	23.78	23.91	23.83	23.67	23.75	23.68	25.74	25.84	25.77		
40	PI2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0
40	PI2 BPSK	108	108	22.70	22.85	22.78	22.48	22.51	22.42	25.99	25.99	25.81		
40	PI2 BPSK	216	0	22.81	22.92	22.83	22.44	22.52	22.48	25.84	25.73	25.67	26.0	1.0
40	QPSK	1	1	23.44	23.69	23.60	23.26	23.41	23.37	26.41	26.51	26.45		
40	QPSK	1	108	23.39	23.54	23.42	23.29	23.36	23.29	26.35	26.46	26.36	27.0	0.0
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37		
40	QPSK	108	0	21.93	22.07	21.88	21.74	21.82	21.75	24.85	24.96	24.88	25.5	1.5
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.23	26.39	26.39	26.31		
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78	25.5	1.5
40	QPSK	216	0	21.30	21.42	21.33	21.15	21.20	21.11	24.24	24.33	24.23		
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23	25.5	1.5
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80		
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50500	51658	52800	50500	51658	52800	50500	51658	52800		
100	PC2	1	1	19.13	19.35	19.59	19.80	19.91	19.94	21.98	22.19	22.13	23.0	0.0
100	PC2	1	137	19.21	19.27	19.31	18.74	19.01	18.88	21.98	22.15	22.11	23.0	0.0
100	PC2	1	271	19.13	19.38	19.35	18.76	18.98	18.91	21.98	22.15	22.10	23.0	0.0
100	PC2	135	0	19.13	19.32	19.31	18.71	18.99	18.93	21.94	22.15	22.14	23.0	0.0
100	PC2	135	66	19.07	19.35	19.31	18.73	18.88	18.92	21.91	22.13	22.13	23.0	0.0
100	PC2	135	158	19.21	19.37	19.33	18.84	18.99	18.89	22.04	22.15	22.08	23.0	0.0
100	PC2	270	0	19.17	19.32	19.30	18.74	19.02	18.95	21.97	22.15	22.08	23.0	0.0
100	QPSK	1	1	19.27	19.39	19.31	18.93	19.03	19.05	22.02	22.15	22.15	23.0	0.0
100	QPSK	1	137	19.21	19.36	19.31	18.89	18.98	18.96	22.03	22.12	22.04	23.0	0.0
100	QPSK	1	271	19.11	19.34	19.32	18.83	18.99	18.94	21.98	22.14	22.04	23.0	0.0
100	QPSK	135	0	19.08	19.27	19.22	18.75	18.97	18.93	21.93	22.13	22.05	23.0	0.0
100	QPSK	135	66	19.11	19.35	19.31	18.77	18.92	18.93	21.95	22.13	22.13	23.0	0.0
100	QPSK	135	158	19.11	19.25	19.24	18.78	18.88	18.95	21.95	22.08	22.08	23.0	0.0
100	QPSK	270	0	19.10	19.30	19.27	18.71	18.99	18.88	21.92	22.18	22.09	23.0	0.0
100	SSB4M	1	1	19.20	19.34	19.33	18.76	19.05	19.05	21.96	22.18	22.13	23.0	0.0
100	SSB4M	1	1	19.20	19.35	19.23	18.77	19.01	19.01	22.00	22.19	22.04	23.0	0.0
100	SSB4M	1	1	19.20	19.31	19.32	18.79	18.91	18.92	22.01	22.12	22.13	23.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50500	51658	52800	50500	51658	52800	50500	51658	52800		
100	PC1.5	1	1	22.23	22.31	22.25	21.83	22.05	21.81	25.04	25.25	25.05	26.0	0.0
100	PC1.5	1	137	22.23	22.33	22.25	21.82	22.06	21.80	25.04	25.21	25.04	26.0	0.0
100	PC1.5	1	271	22.25	22.28	22.28	21.86	22.00	21.86	25.07	25.15	25.08	26.0	0.0
100	PC1.5	135	0	22.20	22.37	22.31	21.87	22.03	21.85	25.05	25.21	25.10	26.0	0.0
100	PC1.5	135	66	22.27	22.33	22.37	21.84	21.98	21.80	25.07	25.17	25.10	26.0	0.0
100	PC1.5	135	158	22.25	22.34	22.37	21.82	22.08	21.80	25.08	25.21	25.10	26.0	0.0
100	PC1.5	270	0	22.21	22.38	22.38	21.85	22.02	21.87	25.08	25.13	25.13	26.0	0.0
100	QPSK	1	1	22.23	22.30	22.29	21.87	22.11	21.91	25.14	25.27	25.18	26.0	0.0
100	QPSK	1	137	22.19	22.49	22.37	21.86	22.04	21.84	25.06	25.18	25.07	26.0	0.0
100	QPSK	1	271	22.21	22.37	22.31	21.85	22.00	21.79	25.04	25.21	25.07	26.0	0.0
100	QPSK	135	0	22.22	22.31	22.32	21.85	22.02	21.82	25.13	25.13	25.13	26.0	0.0
100	QPSK	135	66	22.25	22.35	22.38	21.88	22.08	21.83	25.13	25.22	25.13	26.0	0.0
100	QPSK	135	158	22.27	22.29	22.34	21.83	21.97	21.88	25.11	25.14	25.13	26.0	0.0
100	QPSK	270	0	22.17	22.30	22.28	21.85	22.03	21.79	25.07	25.18	25.04	26.0	0.0
100	SSB1.5	1	1	22.18	22.31	22.31	21.86	21.96	21.88	25.08	25.15	25.10	26.0	0.0
100	SSB4M	1	1	22.25	22.35	22.23	21.92	21.98	21.82	25.11	25.19	25.04	26.0	0.0
100	SSB4M	1	1	20.95	21.34	21.32	20.68	20.98	20.80	23.83	24.17	24.08	25.5	0.5



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				242.01	242.02	242.03	242.01	242.02	242.03	242.01	242.02	242.03		
100	PC2-BPSK	1	1	19.33	19.48	19.34	19.27	19.48	19.39	22.30	22.48	22.38		
100	PC2-BPSK	1	137	19.26	19.42	19.44	19.28	19.40	19.39	22.28	22.42	22.43	23.5	
100	PC2-BPSK	1	271	19.30	19.43	19.37	19.32	19.38	19.48	22.32	22.42	22.44		
100	PC2-BPSK	135	5	19.34	19.38	19.46	19.41	19.32	19.39	22.39	22.47	22.45	23.5	
100	PC2-BPSK	135	89	19.31	19.40	19.36	19.30	19.44	19.43	22.35	22.43	22.40	23.5	
100	PC2-BPSK	135	138	19.22	19.45	19.35	19.35	19.52	19.40	22.29	22.38	22.39	23.5	
100	PC2-BPSK	235	5	19.26	19.43	19.37	19.31	19.48	19.34	22.30	22.46	22.37		
100	QPSK	1	1	19.35	19.52	19.44	19.41	19.53	19.49	22.40	22.54	22.50		
100	QPSK	1	137	19.21	19.31	19.34	19.40	19.49	19.41	22.39	22.46	22.44	23.5	
100	QPSK	1	271	19.21	19.42	19.34	19.30	19.41	19.35	22.27	22.43	22.38		
100	QPSK	135	5	19.31	19.43	19.36	19.30	19.48	19.43	22.32	22.44	22.42	23.5	
100	QPSK	135	89	19.28	19.28	19.40	19.31	19.51	19.40	22.32	22.48	22.45	23.5	
100	QPSK	135	138	19.31	19.49	19.33	19.28	19.44	19.38	22.31	22.48	22.38	23.5	
100	QPSK	235	5	19.23	19.43	19.40	19.38	19.43	19.41	22.32	22.48	22.42		
100	SSBAM	1	1	19.24	19.45	19.34	19.33	19.47	19.37	22.39	22.45	22.45	23.5	
100	SSBAM	1	1	19.22	19.45	19.40	19.28	19.50	19.40	22.29	22.49	22.41	23.5	
100	SSBAM	1	1	19.26	19.42	19.33	19.32	19.49	22.32	22.48	22.38	23.5	0.0	

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				242.01	242.02	242.03	242.01	242.02	242.03	242.01	242.02	242.03		
100	PC1-BPSK	1	1	22.29	22.51	22.39	22.22	22.42	22.43	25.27	25.48	25.41		
100	PC1-BPSK	1	137	22.18	22.42	22.43	22.32	22.43	22.43	25.28	25.44	25.44	26.5	
100	PC1-BPSK	1	271	22.31	22.45	22.39	22.30	22.45	22.32	25.24	25.48	25.35		
100	PC1-BPSK	135	5	22.16	22.44	22.45	22.39	22.38	22.31	25.28	25.42	25.40	26.5	
100	PC1-BPSK	135	89	22.27	22.45	22.44	22.34	22.43	22.42	25.32	25.45	25.44	26.5	
100	PC1-BPSK	135	138	22.20	22.49	22.47	22.31	22.45	22.32	25.27	25.48	25.41	26.5	
100	PC1-BPSK	235	5	22.20	22.39	22.22	22.45	22.37	22.27	25.43	25.39			
100	QPSK	1	1	22.15	22.21	22.46	22.17	22.32	22.45	22.32	25.34	25.49		
100	QPSK	1	137	22.42	22.46	22.37	22.35	22.46	22.41	25.36	25.44	25.41	26.5	
100	QPSK	1	271	22.19	22.48	22.39	22.27	22.48	22.38	25.24	25.48	25.40		
100	QPSK	135	5	22.19	22.39	22.34	22.35	22.39	22.42	25.28	25.40	25.39	26.5	
100	QPSK	135	89	22.28	22.47	22.47	22.29	22.44	22.32	25.35	25.47	25.35	26.5	
100	QPSK	135	138	22.26	22.47	22.42	22.29	22.44	22.32	25.35	25.47	25.35	26.5	
100	QPSK	235	5	22.22	22.47	22.38	22.26	22.48	22.46	25.25	25.49	25.39	26.5	
100	SSBAM	1	1	22.29	22.32	22.47	22.38	22.48	22.38	25.31	25.51	25.44	26.5	
100	SSBAM	1	1	22.18	22.45	22.40	22.25	22.41	22.42	25.23	25.48	25.42	26.5	
100	SSBAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.75	24.11	24.01	25.5	



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				244.51	242.79	244	244.51	242.79	244	244.51	242.79	244		
100	PI2-BPSK	1	1	19.76	20.01	19.98	19.71	19.97	19.82	19.76	21.00	22.91		
100	PI2-BPSK	1	137	19.80	20.10	19.92	19.80	19.94	19.77	22.81	23.03	22.88	24.0	0.0
100	PI2-BPSK	1	271	19.76	20.07	19.98	19.81	19.99	19.86	22.79	23.04	22.84		
100	PI2-BPSK	135	5	19.76	20.04	19.96	19.79	19.91	19.75	22.78	23.01	22.86	24.0	0.0
100	PI2-BPSK	135	66	19.76	20.13	19.91	19.84	20.02	19.87	22.81	23.09	22.90	24.0	0.0
100	PI2-BPSK	135	138	19.79	20.15	19.95	19.81	20.00	19.78	22.81	23.08	22.89	24.0	0.0
100	PI2-BPSK	210	5	19.82	20.02	19.90	19.79	19.86	19.80	22.81	23.00	22.86		
100	QPSK	1	1	19.89	20.10	20.11	19.89	20.05	19.89	22.10	22.11	22.10		
100	QPSK	1	137	19.80	20.08	19.86	19.78	20.05	19.82	22.89	22.89	22.89	24.0	0.0
100	QPSK	1	271	19.74	20.02	19.92	19.80	19.99	19.84	22.78	23.02	22.90		
100	QPSK	135	5	19.79	20.02	19.91	19.79	20.01	19.78	22.78	23.03	22.85	24.0	0.0
100	QPSK	135	66	19.76	20.12	19.90	19.83	20.02	19.86	22.80	23.09	22.90	24.0	0.0
100	QPSK	135	138	19.77	20.08	19.92	19.71	19.92	19.82	22.75	23.01	22.85	24.0	0.0
100	QPSK	210	5	19.75	20.12	19.90	19.73	20.00	19.84	22.75	23.07	22.88		
100	SSBAM	1	1	19.80	20.01	19.86	19.73	20.00	19.84	22.69	23.04	22.96	24.0	0.0
100	SSBAM	1	1	19.88	20.10	19.87	19.75	20.02	19.86	22.82	23.07	22.88	24.0	0.0
100	SSBAM	1	1	19.79	20.01	19.86	19.79	19.99	19.79	22.80	23.01	22.84	24.0	0.0

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				244.51	242.79	244	244.51	242.79	244	244.51	242.79	244		
100	PI2-BPSK	1	1	22.90	23.08	22.94	22.89	23.06	22.85	25.91	26.08	25.91		
100	PI2-BPSK	1	137	22.88	23.00	22.98	22.88	23.04	22.85	25.84	26.03	25.83	27.0	0.0
100	PI2-BPSK	1	271	22.88	22.90	22.98	22.88	23.00	22.76	25.84	26.01	25.87		
100	PI2-BPSK	135	5	22.97	23.12	22.89	22.97	23.14	22.75	25.88	26.14	25.92	27.0	0.0
100	PI2-BPSK	135	66	22.93	22.98	23.01	22.88	23.05	22.87	25.92	26.03	25.85	27.0	0.0
100	PI2-BPSK	135	138	22.81	23.07	22.89	22.85	23.00	22.82	25.89	26.05	25.87	27.0	0.0
100	PI2-BPSK	210	5	22.89	23.10	22.90	22.88	23.00	22.87	25.95	26.06	25.90		
100	QPSK	1	1	22.10	22.11	22.10	22.10	22.10	22.10	22.10	22.10	22.10		
100	QPSK	1	137	22.89	23.08	22.89	22.88	23.07	22.88	25.97	26.11	25.97	27.0	0.0
100	QPSK	1	271	22.90	23.01	22.97	22.89	23.09	22.73	25.91	26.04	25.86		
100	QPSK	135	5	22.97	23.00	22.98	22.84	23.01	22.89	25.87	26.02	25.92	27.0	0.0
100	QPSK	135	66	22.97	23.07	22.97	22.84	23.07	22.73	25.96	26.04	25.84	27.0	0.0
100	QPSK	135	138	22.87	22.88	22.92	22.80	23.07	22.73	25.98	26.04	25.84	27.0	0.0
100	QPSK	210	5	22.80	23.00	22.98	22.85	23.13	22.77	25.88	26.07	25.88		
100	SSBAM	1	1	22.83	23.08	22.81	22.80	23.08	22.76	25.91	26.06	25.84	27.0	0.0
100	SSBAM	1	1	22.85	23.05	22.97	22.80	23.22	22.87	25.93	26.15	25.93	27.0	0.0
100	SSBAM	1	1	20.38	20.78	20.59	20.67	20.78	20.83	23.63	23.78	23.62	25.5	1.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62
100	PI2-BPSK	1	1	22.72	22.68	22.82	22.86	22.46	22.97	25.80	25.25	25.91		
100	PI2-BPSK	1	137	22.71	22.65	22.81	22.71	22.26	22.88	25.72	25.69	25.88	27.0	0.0
100	PI2-BPSK	1	271	22.64	22.65	22.83	22.71	22.12	22.76	25.89	26.04	25.81		
100	PI2-BPSK	135	5	22.68	22.82	22.80	22.50	22.76	22.70	25.83	26.00	25.76	27.0	0.0
100	PI2-BPSK	135	66	22.69	22.67	22.81	22.69	22.26	22.88	25.70	26.13	25.90	27.0	0.0
100	PI2-BPSK	135	138	22.68	22.72	22.85	22.66	22.61	22.77	25.83	25.88	25.72	27.0	0.0
100	PI2-BPSK	210	5	22.62	22.76	22.81	22.60	22.12	22.81	25.80	25.95	25.85		
100	QPSK	1	1	22.67	22.10	22.16	22.67	22.46	22.21	22.10	22.10	22.10	27.0	0.0
100	QPSK	1	137	22.76	22.16	22.66	22.66	22.41	22.66	25.81	26.04	25.99		
100	QPSK	1	271	22.70	22.00	22.83	22.70	22.26	22.82	25.74	26.14	25.84		
100	QPSK	135	5	22.75	22.91	22.83	22.59	22.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	66	22.66	22.65	22.77	22.65	22.21	22.81	25.74	25.97	25.85	27.0	0.0
100	QPSK	135	138	22.63	22.70	22.76	22.61	22.13	22.81	25.83	25.97	25.80	27.0	0.0
100	QPSK	210	5	22.75	22.60	22.87	22.73	22.17	22.83	25.70	26.04	25.81		
100	SSB-AM	1	1	22.81	20.10	22.86	22.83	21.48	22.28	25.88	26.26	25.50	27.0	0.0
100	SSB-AM	1	1	22.72	23.04	22.88	22.82	23.38	22.95	25.78	26.22	25.03	27.0	0.0
100	SSB-AM	1	1	20.30	20.72	20.53	20.52	21.63	20.67	21.52	23.89	23.86	20.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62
100	PI2-BPSK	1	1	25.82	25.50	25.89	25.86	25.37	25.91	26.85	25.25	25.51		
100	PI2-BPSK	1	137	25.38	25.85	25.42	25.68	25.60	25.15	26.20	26.64	26.30	30.0	0.0
100	PI2-BPSK	1	271	25.30	25.50	25.40	25.64	25.83	25.08	26.14	26.57	26.25		
100	PI2-BPSK	135	5	24.48	24.70	24.53	24.94	24.82	24.33	27.41	27.60	27.41	30.0	1.0
100	PI2-BPSK	135	66	25.10	25.40	25.20	25.50	25.52	25.07	26.11	26.50	26.17	30.0	0.0
100	PI2-BPSK	135	138	24.30	24.20	24.40	24.61	24.92	24.03	27.64	28.09	27.74	30.0	1.0
100	PI2-BPSK	210	5	24.34	24.61	24.41	24.25	24.77	24.28	27.31	27.70	27.30		
100	QPSK	1	1	25.12	26.31	25.30	25.81	25.41	25.07	25.80	25.27	25.80	30.0	0.0
100	QPSK	1	137	26.26	25.80	26.40	25.40	25.91	26.10	26.40	26.80	26.80		
100	QPSK	1	271	25.20	25.50	25.20	25.41	25.90	25.47	26.30	26.74	26.30		
100	QPSK	135	5	24.03	24.20	24.05	24.82	24.44	24.00	27.64	27.38	27.64	28.5	1.8
100	QPSK	135	66	25.81	25.80	25.81	25.77	25.80	25.80	25.80	25.80	25.80	30.0	0.0
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.03	24.05	27.68	27.38	27.67	30.0	1.0
100	QPSK	210	5	24.03	24.20	24.09	24.83	24.55	24.07	27.65	27.45	27.60		
100	SSB-AM	1	1	20.91	20.20	20.60	20.50	20.06	20.90	20.30	20.60	20.60	30.0	1.0
100	SSB-AM	1	1	22.96	23.21	22.90	23.07	23.05	23.09	26.00	26.39	26.05	27.5	2.5
100	SSB-AM	1	1	20.30	20.77	20.54	20.88	21.08	20.84	23.50	23.94	23.60	25.5	4.0



Part96_n48				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96		
40	QPSK	1	1	15.00	15.02	15.06	15.43	15.50	15.45	15.73	15.75	15.72	20.0	0.0
40	QPSK	1	53	15.85	15.01	15.87	15.32	15.40	15.42	15.60	15.73	15.66		
40	QPSK	1	104	15.98	15.91	15.93	15.36	15.46	15.32	15.69	15.70	15.65		
40	QPSK	53	0	15.90	15.93	15.88	15.39	15.32	15.66	15.68	15.62	20.0	0.0	
40	QPSK	53	27	15.97	15.99	15.95	15.42	15.45	15.39	15.71	15.68	20.0	0.0	
40	QPSK	53	53	15.91	15.95	15.81	15.34	15.39	15.31	15.64	15.69	15.58	20.0	0.0
40	QPSK	106	0	15.92	15.97	15.89	15.38	15.42	15.34	15.67	15.71	15.63	20.0	0.0
40	16QAM	1	1	15.93	15.94	15.90	15.39	15.41	15.31	15.68	15.69	15.63	20.0	0.0
40	64QAM	1	1	15.93	16.00	15.83	15.31	15.44	15.20	15.64	15.74	15.58	20.0	0.0
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	0.5

Part96_n48				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MRR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332
Frequency (MHz)				3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96
40	QPSK	1	1	13.35	13.45	13.35	12.79	12.51	12.73	16.11	16.10	16.06	17.5	0.0	
40	QPSK	1	53	13.36	13.31	13.28	12.65	12.71	12.61	16.03	16.03	15.96			
40	QPSK	1	104	13.23	13.35	13.21	12.73	12.73	12.61	16.00	16.06	15.93			
40	QPSK	53	0	13.25	13.41	13.25	12.66	12.73	12.63	15.98	16.09	15.96	17.5	0.0	
40	QPSK	53	27	13.38	13.43	13.31	12.78	12.61	12.68	16.13	16.09	15.95	17.5	0.0	
40	QPSK	53	53	13.31	13.36	13.22	12.69	12.70	12.62	16.02	16.05	15.94	17.5	0.0	
40	QPSK	106	0	13.25	13.30	13.28	12.72	12.75	12.61	16.00	16.04	15.96			
40	16QAM	1	1	13.28	13.39	13.22	12.69	12.76	12.67	16.01	16.10	15.96	17.5	0.0	
40	64QAM	1	1	13.36	13.35	13.29	12.78	12.70	12.69	16.09	16.05	16.01	17.5	0.0	
40	256QAM	1	1	13.20	13.36	13.26	12.72	12.68	12.72	16.02	16.04	16.01	17.5	0.0	



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3054.80	3039.88	3072	3054.99	3072.98	3072	3054.99	3072.98		
40	QPSK	1	1	13.47	13.54	13.46	13.52	13.55	13.47	16.51	16.56	16.48	18.0	0.0
40	QPSK	1	83	13.46	13.47	13.35	13.51	13.42	13.32	16.50	16.46	16.35	17.0	0.0
40	QPSK	1	104	13.34	13.42	13.32	13.43	13.51	13.42	16.40	16.48	16.38	17.0	0.0
40	QPSK	63	0	13.34	13.49	13.41	13.45	13.42	13.24	16.41	16.47	16.39	18.0	0.0
40	QPSK	63	27	13.46	13.52	13.45	13.50	13.52	13.44	16.49	16.53	16.48	18.0	0.0
40	QPSK	63	53	13.42	13.48	13.40	13.45	13.49	13.35	16.45	16.50	16.39	18.0	0.0
40	QPSK	106	0	13.44	13.48	13.42	13.49	13.50	13.37	16.48	16.50	16.41	18.0	0.0
40	16QAM	1	1	13.37	13.47	13.37	13.41	13.50	13.33	16.40	16.50	16.36	18.0	0.0
40	64QAM	1	1	13.39	13.40	13.41	13.50	13.46	13.46	16.46	16.44	16.45	18.0	0.0
40	256QAM	1	1	13.43	13.50	13.42	13.47	13.44	13.28	16.46	16.48	16.42	18.0	0.0

Part96_n48				Ant 3			Ant 6			Ant 3+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3054.80	3039.88	3072	3054.99	3072.98	3072	3054.99	3072.98		
40	QPSK	1	1	12.73	12.77	12.65	11.50	11.56	11.47	15.17	15.22	15.13	17.0	0.0
40	QPSK	1	83	12.63	12.70	12.63	11.38	11.41	11.41	15.05	15.11	15.02	17.0	0.0
40	QPSK	1	104	12.67	12.73	12.65	11.38	11.41	11.40	15.08	15.13	15.08	17.0	0.0
40	QPSK	63	0	12.69	12.66	12.62	11.35	11.51	11.40	15.08	15.13	15.06	17.0	0.0
40	QPSK	63	27	12.75	12.76	12.65	11.41	11.52	11.43	15.11	15.19	15.08	17.0	0.0
40	QPSK	63	53	12.68	12.75	12.58	11.35	11.49	11.37	15.06	15.18	15.03	17.0	0.0
40	QPSK	106	0	12.63	12.71	12.66	11.41	11.50	11.45	15.07	15.16	15.11	17.0	0.0
40	16QAM	1	1	12.62	12.65	12.58	11.45	11.48	11.39	15.08	15.11	15.04	17.0	0.0
40	64QAM	1	1	12.60	12.73	12.67	11.44	11.41	11.36	15.07	15.13	15.07	17.0	0.0
40	256QAM	1	1	12.66	12.70	12.64	11.38	11.43	11.23	15.07	15.12	15.04	17.0	0.0



Part27Q_n77(PC2)				Ant 4			Ant 8			Ant 4+8			Turn-up time (min)	MPT (min)
Site ID	Modulation	RS Size	RS Offset	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)		
Frequency Range														
100	PSK	1	1	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25		
100	PSK	1	137	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	20.5	0.0
100	PSK	1	271	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27		
100	PSK	8	8	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0
100	PSK	100	80	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	PSK	100	100	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	PSK	200	8	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QPSK	1	1	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25		
100	QPSK	1	137	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	20.5	0.0
100	QPSK	1	271	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27		
100	QPSK	8	8	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0
100	QPSK	100	80	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QPSK	100	100	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QPSK	200	8	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QAM	1	1	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0
100	QAM	8	8	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0

Part27Q_n77(PC1.5)				Ant 4			Ant 8			Ant 4+8			Turn-up time (min)	MPT (min)
Site ID	Modulation	RS Size	RS Offset	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)		
Frequency Range														
100	PSK	1	1	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25		
100	PSK	1	137	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	20.5	0.0
100	PSK	1	271	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27		
100	PSK	8	8	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0
100	PSK	100	80	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	PSK	100	100	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	PSK	200	8	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QPSK	1	1	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25		
100	QPSK	1	137	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	20.5	0.0
100	QPSK	1	271	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27		
100	QPSK	8	8	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0
100	QPSK	100	80	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QPSK	100	100	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QPSK	200	8	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	18.29	20.5	0.0
100	QAM	1	1	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0
100	QAM	8	8	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	18.27	20.5	0.0



Part270_n77(PC1.5)				Ant 4			Ant 8			Ant 4+8			Tempo (MHz)	MDF (dB)	
Cell ID	Modulation	ISD (dB)	ISD (dB)	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Power Type	Power Ch. / Freq.	Power Type			Power Ch. / Freq.
Frequency (MHz)				8100	8400	8700	9100	9400	9700	9900	9900	9900	9900		
100	PSK31SM	1	107	21.04	21.74	21.75	21.69	21.08	21.03	24.58	24.47	24.53	24.5	0.0	
100	PSK31SM	1	171	21.02	21.72	21.65	21.62	21.02	21.02	24.61	24.48	24.55			
100	PSK31SM	100	80	21.07	21.63	21.65	21.54	21.05	21.48	24.57	24.45	24.52	24.5	0.0	
100	PSK31SM	100	80	21.51	21.69	21.67	21.47	21.39	21.32	24.53	24.43	24.51	24.5	0.0	
100	PSK31SM	100	80	21.83	21.82	21.73	21.44	21.47	21.39	24.42	24.43	24.47	24.5	0.0	
100	PSK31SM	200	80	21.82	21.78	21.68	21.45	21.35	21.47	24.52	24.47	24.53	24.5	0.0	
100	QPSK	1	107	21.02	21.72	21.65	21.62	21.02	21.02	24.61	24.71	24.62	24.5	0.0	
100	QPSK	1	171	21.02	21.68	21.65	21.64	21.02	21.02	24.58	24.48	24.55			
100	QPSK	100	80	21.04	21.67	21.62	21.55	21.05	21.48	24.51	24.44	24.57	24.5	0.0	
100	QPSK	100	80	21.01	21.72	21.62	21.41	21.04	21.48	24.55	24.45	24.51	24.5	0.0	
100	QPSK	100	80	21.62	21.68	21.61	21.46	21.39	21.32	24.42	24.42	24.42	24.5	0.0	
100	QPSK	200	80	21.81	21.63	21.65	21.41	21.31	21.35	24.57	24.42	24.55	24.5	0.0	
100	QPSK	1	1	21.82	21.84	21.85	21.47	21.32	21.32	24.42	24.42	24.42	24.5	0.0	
100	QPSK	1	1	21.83	21.82	21.68	21.41	21.35	21.48	24.53	24.44	24.53	24.5	0.0	
100	QPSK	1	1	21.81	21.82	21.65	21.41	21.32	21.32	24.42	24.42	24.42	24.5	0.0	



Part27O_n77(PC2)				Ant 4			Ant 6			Ant 4+6			Time-up time (min)	MPT (dB)
Cell ID	Modem	IS Num	IS Chan	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class		
				Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.		
Frequency MHz														
100	PCB05C	1	1	18.28	18.28	18.28	18.27	18.28	18.28	18.28	18.28	18.27	20.0	0.0
100	PCB05C	1	107	18.11	18.02	18.02	18.28	18.27	18.18	18.07	18.14	18.12	20.0	0.0
100	PCB05C	1	211	18.08	18.08	18.08	18.07	18.08	18.08	18.14	18.03	18.14	20.0	0.0
100	PCB05C	105	8	18.11	18.08	18.08	18.28	18.27	18.27	18.18	18.08	18.12	20.0	0.0
100	PCB05C	105	105	18.02	18.08	18.08	18.28	18.18	18.22	18.18	18.15	18.12	20.0	0.0
100	PCB05C	105	109	18.08	18.08	18.04	18.18	18.28	18.18	18.11	18.14	18.11	20.0	0.0
100	PCB05C	200	0	18.07	18.02	18.07	18.11	18.07	18.18	18.10	18.09	18.14	20.0	0.0
100	CP54	1	1	18.12	18.12	18.12	18.12	18.12	18.12	18.12	18.12	18.12	20.0	0.0
100	CP54	1	107	18.02	18.02	18.07	18.12	18.22	18.24	18.12	18.12	18.12	20.0	0.0
100	CP54	1	211	18.08	18.08	18.08	18.07	18.07	18.18	18.08	18.08	18.08	20.0	0.0
100	CP54	105	8	18.02	18.02	18.07	18.18	18.18	18.18	18.08	18.08	18.08	20.0	0.0
100	CP54	105	105	18.12	18.02	18.02	18.28	18.22	18.12	18.12	18.12	18.12	20.0	0.0
100	CP54	105	109	18.02	18.08	18.08	18.18	18.27	18.18	18.11	18.18	18.18	20.0	0.0
100	CP54	200	0	18.02	18.02	18.08	18.18	18.12	18.18	18.07	18.07	18.14	20.0	0.0
100	CP54	1	1	18.12	18.12	18.08	18.11	18.08	18.27	18.18	18.04	18.11	20.0	0.0
100	CP54	1	1	18.04	18.02	18.02	18.12	18.28	18.24	18.08	18.08	18.18	20.0	0.0
100	CP54	1	0	18.02	18.02	18.02	18.18	18.11	18.12	18.11	18.07	18.08	20.0	0.0



Part270_n77(PC1.5)				Ant 4			Ant 6			Ant 4+6			Time-to-fix (hrs)	WPH (kWh)
Ant ID	Ant Name	IS Size	IS Class	Power Line Ch. / Freq.	Power Line Ch. / Freq.	Power Line Ch. / Freq.	Power Line Ch. / Freq.	Power Line Ch. / Freq.	Power Line Ch. / Freq.	Power Line Ch. / Freq.	Power Line Ch. / Freq.			
Summary				2700	3600	3600	2700	3600	3600	2700	3600	3600		
100	PC1.5PC1	1	1	18.14	18.14	18.14	18.17	18.16	18.26	22.22	22.22	22.12		
100	PC1.5PC1	1	1	18.13	18.14	18.23	18.07	18.16	18.13	22.11	22.17	22.16	23.0	
100	PC1.5PC1	1	1	18.14	18.14	18.26	18.10	18.26	18.21	22.11	22.22	22.10		
100	PC1.5PC1	1	1	18.20	18.15	18.23	18.09	18.16	18.16	22.11	22.17	22.14	23.0	
100	PC1.5PC1	1	1	18.13	18.13	18.13	18.13	18.13	18.22	22.10	22.10	22.21	23.0	
100	PC1.5PC1	1	1	18.18	18.15	18.15	18.14	18.27	18.18	22.11	22.21	22.14		
100	PC1.5PC1	1	1	18.15	18.21	18.21	18.13	18.22	18.11	22.02	22.21	22.11	23.0	
100	PC1.5PC1	1	1	18.15	18.21	18.21	18.13	18.22	18.11	22.02	22.21	22.11	23.0	
100	PC1.5PC1	1	1	18.27	18.20	18.17	18.05	18.20	18.24	22.02	22.22	22.22	23.0	
100	PC1.5PC1	1	1	18.28	18.18	18.20	18.14	18.24	18.24	22.02	22.22	22.22	23.0	
100	PC1.5PC1	1	1	18.15	18.22	18.14	18.15	18.16	18.13	22.10	22.10	22.16	23.0	
100	PC1.5PC1	1	1	18.15	18.22	18.14	18.15	18.16	18.13	22.10	22.10	22.16	23.0	
100	PC1.5PC1	1	1	18.15	18.22	18.14	18.15	18.16	18.13	22.10	22.10	22.16	23.0	
100	PC1.5PC1	1	1	18.17	18.16	18.22	18.08	18.24	18.11	22.14	22.14	22.14	23.0	
100	PC1.5PC1	1	1	18.17	18.16	18.12	18.19	18.20	18.11	22.18	22.22	22.13	23.0	
100	PC1.5PC1	1	1	18.20	18.15	18.15	18.14	18.20	18.11	22.11	22.21	22.14	23.0	
100	PC1.5PC1	1	1	18.11	18.20	18.17	18.20	18.22	18.20	22.10	22.21	22.20	23.0	
100	PC1.5PC1	1	1	18.24	18.14	18.17	18.05	18.15	18.15	22.02	22.21	22.11	23.0	

Part27O_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-gain (dB)	MPTD (dB)
Ant 2/3/4	Modulation	FS Size	HS Offset	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.	Power Level Ch./Freq.			
Frequency (MHz)				3700	3670	3600	3700	3690	3670	3710	3680	3660		
100	FSK4500	11	-1	10.28	10.28	10.00	10.28	10.28	10.28	10.28	10.28	10.28		
100	FSK4500	11	1	10.07	10.07	10.21	10.07	10.70	10.08	10.01	10.10	10.00	20.5	0.0
100	FSK4500	11	271	10.03	10.03	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.20	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	0	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0
100	FSK4500	100	100	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	20.5	0.0



Part270_n77(PC1.5)				Ant 3			Ant 8			Ant 3+8			Time-to-Freq (min)	SPTS (dB)	
Ant ID	Ant Name	IS Day	IS Chnl	Power Low Ch.Freq	Power High Ch.Freq	Power Low Ch.Freq	Power High Ch.Freq	Power Low Ch.Freq	Power High Ch.Freq	Power Low Ch.Freq	Power High Ch.Freq				
Summary				3790	3890	3970	3990	3840	3900	3790	3880	3990			
100	100WPC1	F	F1	18.78	18.86	18.94	18.92	18.86	18.86	18.86	22.26	22.34	22.34	21.5	0.0
100	100WPC2	F	F1	18.98	18.98	18.98	18.91	18.98	18.97	20.5	22.03	22.04			
100	100WPC3	F	F1	18.92	18.99	18.99	18.93	18.98	18.96	20.5	22.76	22.80			
100	100WPC4	F	F1	18.97	18.97	18.92	18.91	18.98	18.91	20.5	22.04	22.08	21.5	0.0	
100	100WPC5	F	F1	18.87	18.78	18.77	18.82	18.89	18.83	20.69	22.76	22.89	21.5	0.0	
100	100WPC6	F	F1	18.92	18.78	18.71	18.74	18.98	18.93	20.5	22.04	22.08			
100	100WPC7	F	F1	18.84	18.78	18.67	18.54	18.83	18.69	20.69	22.89	22.92	21.5	0.0	
100	100WPC8	F	F1	18.86	18.86	18.72	18.48	18.55	18.54	20.5	22.81	22.84	21.5	0.0	
100	100WPC9	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC10	F	F1	18.98	18.71	18.71	18.55	18.60	18.52	20.5	22.08	22.08	21.5	0.0	
100	100WPC11	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC12	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC13	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC14	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC15	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC16	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC17	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC18	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC19	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC20	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC21	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC22	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC23	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC24	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC25	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC26	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC27	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC28	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC29	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC30	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC31	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC32	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC33	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC34	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC35	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC36	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC37	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC38	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC39	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC40	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC41	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC42	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC43	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC44	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC45	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC46	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC47	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC48	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC49	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			
100	100WPC50	F	F1	18.98	18.98	18.98	18.84	18.98	18.96	20.5	22.08	22.08			



Part27Q_n77(PC2)				Ant 3			Ant 6			Ant 3+6			Tx-pwr (mW)	MFR (dB)
Cell ID	Modulation	RS Size	RS Offset	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)			
Frequency Range				3930-40			3930-40			3930-40				
100	PUSCH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PUSCH	1	197	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PUSCH	1	271	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PUSCH	100	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PUSCH	100	18	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PUSCH	200	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	CPICH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	CPICH	1	197	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	CPICH	1	271	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	CPICH	100	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	CPICH	100	18	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	CPICH	200	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PCICH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	
100	PCICH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	19.5	0.0	

Part27Q_n77(PC1.5)				Ant 3			Ant 6			Ant 3+6			Tx-pwr (mW)	MFR (dB)
Cell ID	Modulation	RS Size	RS Offset	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)	Power Spectral Density (W/Hz)			
Frequency Range				3930-40			3930-40			3930-40				
100	PUSCH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PUSCH	1	197	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PUSCH	1	271	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PUSCH	100	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PUSCH	100	18	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PUSCH	200	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	CPICH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	CPICH	1	197	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	CPICH	1	271	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	CPICH	100	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	CPICH	100	18	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	CPICH	200	0	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PCICH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	
100	PCICH	1	1	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	23.5	0.0	



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	17.83			17.69			20.77				
100	QPSK	1	137	17.71			17.58			20.66			22.5	0.0
100	QPSK	1	271	17.68			17.63			20.67				
100	QPSK	137	0	17.89			17.55			20.63			22.5	0.0
100	QPSK	137	68	17.80			17.66			20.74			22.5	0.0
100	QPSK	137	136	17.77			17.56			20.68				
100	QPSK	273	0	17.78			17.63			20.72			22.5	0.0
100	16QAM	1	1	17.80			17.57			20.70			22.5	0.0
100	64QAM	1	1	17.76			17.65			20.72			22.5	0.0
100	256QAM	1	1	17.67			16.81			16.85			21.5	1.0

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	17.62			17.68			20.98				
100	QPSK	1	137	17.61			17.55			20.99			22.5	0.0
100	QPSK	1	271	17.52			17.67			20.81				
100	QPSK	137	0	17.58			17.58			20.99			22.5	0.0
100	QPSK	137	68	17.60			17.65			20.94			22.5	0.0
100	QPSK	137	136	17.59			17.59			20.90				
100	QPSK	273	0	17.55			17.60			20.99			22.5	0.0
100	16QAM	1	1	17.53			17.62			20.99			22.5	0.0
100	64QAM	1	1	17.62			17.66			20.60			22.5	0.0
100	256QAM	1	1	16.85			17.00			16.94			21.5	1.0



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				633332			633332			633332				
Frequency (MHz)				1499.98			1499.98			1499.98				
100	QPSK	1	1	15.53			15.10			15.23				
100	QPSK	1	137	15.24			14.96			18.11			20.0	0.0
100	QPSK	1	271	15.21			15.02			18.13				
100	QPSK	137	0	15.23			14.97			18.11			20.0	0.0
100	QPSK	137	68	15.21			15.06			18.20			20.0	0.0
100	QPSK	137	136	15.30			15.02			18.17			20.0	0.0
100	QPSK	273	0	15.21			15.01			18.12				
100	16QAM	1	1	15.19			15.00			18.11			20.0	0.0
100	64QAM	1	1	15.22			15.05			18.20			20.0	0.0
100	256QAM	1	1	15.28			15.02			18.16			20.0	0.0



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	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	QPSK	1	1	15.11	15.15	15.14							20.0	0.0
100	QPSK	1	137	14.98	15.07	15.04								
100	QPSK	1	271	14.98	15.05	15.03								
100	QPSK	137	0	14.99	15.08	15.05							20.0	0.0
100	QPSK	137	68	15.05	15.12	15.11							20.0	0.0
100	QPSK	137	136	15.05	15.00	15.04							20.0	0.0
100	QPSK	273	0	15.01	15.04	15.04								
100	16QAM	1	1	15.07	15.07	15.08							20.0	0.0
100	64QAM	1	1	14.98	15.09	15.05							20.0	0.0
100	256QAM	1	1	15.05	15.05	15.06							20.0	0.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.68			3499.68			3499.68				
100	QPSK	1	1	15.02	15.02	15.07								
100	QPSK	1	137	15.51	15.54	15.54							20.5	0.0
100	QPSK	1	271	15.48	15.60	15.55								
100	QPSK	137	0	15.47	15.59	15.54							20.5	0.0
100	QPSK	137	68	15.57	15.54	15.62							20.5	0.0
100	QPSK	137	136	15.50	15.55	15.54							20.5	0.0
100	QPSK	273	0	15.50	15.61	15.57								
100	16QAM	1	1	15.61	15.55	15.59							20.5	0.0
100	64QAM	1	1	15.51	15.54	15.54							20.5	0.0
100	256QAM	1	1	15.52	15.59	15.57							20.5	0.0



Part270_n78				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	15.62			15.65			18.95				
100	QPSK	1	137	15.61			15.55			18.99			20.5	0.0
100	QPSK	1	271	15.51			15.50			18.52				
100	QPSK	137	0	15.47			15.58			18.54			20.5	0.0
100	QPSK	137	68	15.55			15.62			18.60			20.5	0.0
100	QPSK	137	135	15.50			15.50			18.51			20.5	0.0
100	QPSK	273	0	15.51			15.58			18.95				
100	16QAM	1	1	15.60			15.50			18.56			20.5	0.0
100	64QAM	1	1	15.53			15.59			18.57			20.5	0.0
100	256QAM	1	1	15.52			15.62			18.59			20.5	0.0



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3099.98			3099.98			3099.98				
100	QPSK	1	1	14.63	14.64	17.65							19.5	0.0
100	QPSK	1	137	14.54	14.53	17.55								
100	QPSK	1	271	14.56	14.52	17.55								
100	QPSK	137	0	14.59	14.52	17.57							19.5	0.0
100	QPSK	137	68	14.51	14.62	17.63							19.5	0.0
100	QPSK	137	136	14.58	14.51	17.56							19.5	0.0
100	QPSK	273	0	14.52	14.61	17.58							19.5	0.0
100	16QAM	1	1	14.48	14.58	17.54							19.5	0.0
100	64QAM	1	1	14.60	14.55	17.59							19.5	0.0
100	256QAM	1	1	14.49	14.49	17.55							19.5	0.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3150			3150			3150				
100	QPSK	1	1	14.56	14.55	17.57							19.5	0.0
100	QPSK	1	137	14.56	14.61	17.60								
100	QPSK	1	271	14.52	14.58	17.56								
100	QPSK	137	0	14.51	14.60	17.57							19.5	0.0
100	QPSK	137	68	14.55	14.63	17.65							19.5	0.0
100	QPSK	137	136	14.59	14.52	17.57							19.5	0.0
100	QPSK	273	0	14.55	14.52	17.55							19.5	0.0
100	16QAM	1	1	14.53	14.55	17.55							19.5	0.0
100	64QAM	1	1	14.51	14.53	17.53							19.5	0.0
100	256QAM	1	1	14.51	14.55	17.54							19.5	0.0



Reduced Power Mode for DS13 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				374200	376000	378000	374200	376000	378000	374200	376000	378000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P12 BPSK	1	1	18.85	19.08	18.98	18.51	18.64	18.45	21.69	21.88	21.73		
40	P12 BPSK	1	108	18.97	18.98	18.94	18.45	18.56	18.44	21.73	21.79	21.71	23.0	0.0
40	P12 BPSK	1	214	18.88	18.96	18.93	18.42	18.61	18.51	21.67	21.80	21.74		
40	P12 BPSK	108	0	18.94	19.08	18.90	18.40	18.53	18.51	21.69	21.82	21.72	23.0	0.0
40	P12 BPSK	108	54	18.95	19.06	19.03	18.49	18.59	18.52	21.74	21.84	21.79	23.0	0.0
40	P12 BPSK	108	108	18.97	18.99	18.97	18.46	18.62	18.54	21.73	21.82	21.77		
40	P12 BPSK	216	0	18.91	19.07	19.00	18.48	18.54	18.48	21.71	21.82	21.76	23.0	0.0
40	QPSK	1	1	19.00	19.09	19.06	18.50	18.65	18.55	21.75	21.89	21.82		
40	QPSK	1	108	18.96	19.03	18.98	18.44	18.53	18.53	21.67	21.80	21.78	23.0	0.0
40	QPSK	1	214	18.86	19.00	19.00	18.47	18.54	18.41	21.68	21.79	21.73		
40	QPSK	108	0	18.90	18.99	18.93	18.43	18.62	18.47	21.68	21.82	21.72	23.0	0.0
40	QPSK	108	54	18.95	19.00	18.99	18.50	18.63	18.54	21.74	21.83	21.78	23.0	0.0
40	QPSK	108	108	18.86	18.96	18.93	18.45	18.61	18.53	21.67	21.80	21.74		
40	QPSK	216	0	18.90	19.08	19.02	18.49	18.57	18.44	21.71	21.79	21.70	23.0	0.0
40	16QAM	1	1	18.99	19.04	19.02	18.46	18.53	18.45	21.74	21.80	21.75	23.0	0.0
40	64QAM	1	1	18.95	19.03	19.03	18.50	18.58	18.46	21.74	21.82	21.76	23.0	0.0
40	256QAM	1	1	17.60	17.70	17.61	17.59	17.66	17.56	20.61	20.69	20.61	22.5	0.5

n2				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				374200	376000	378000	374200	376000	378000	374200	376000	378000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P12 BPSK	1	1	18.85	19.08	18.98	18.73	18.89	18.85	21.80	22.00	21.93		
40	P12 BPSK	1	108	18.97	18.98	18.94	18.76	18.79	18.74	21.88	21.90	21.85	23.0	0.0
40	P12 BPSK	1	214	18.88	18.96	18.93	18.72	18.78	18.78	21.81	21.88	21.87		
40	P12 BPSK	108	0	18.94	19.08	18.90	18.81	18.79	18.85	21.89	21.95	21.89	23.0	0.0
40	P12 BPSK	108	54	18.95	19.06	19.03	18.79	18.88	18.81	21.88	21.98	21.93	23.0	0.0
40	P12 BPSK	108	108	18.97	18.99	18.97	18.75	18.82	18.79	21.87	21.92	21.89		
40	P12 BPSK	216	0	18.91	19.07	19.00	18.85	18.80	18.85	21.89	21.95	21.94	23.0	0.0
40	QPSK	1	1	19.00	19.09	19.06	18.87	18.92	18.90	21.90	21.95	21.98		
40	QPSK	1	108	18.96	19.03	18.99	18.79	18.87	18.80	21.84	21.96	21.91	23.0	0.0
40	QPSK	1	214	18.86	19.00	19.00	18.82	18.84	18.75	21.85	21.93	21.89		
40	QPSK	108	0	18.90	18.99	18.93	18.73	18.82	18.85	21.83	21.92	21.90	23.0	0.0
40	QPSK	108	54	18.95	19.00	18.99	18.83	18.90	18.89	21.90	21.96	21.95	23.0	0.0
40	QPSK	108	108	18.86	18.96	18.93	18.82	18.80	18.76	21.85	21.89	21.86	23.0	0.0
40	QPSK	216	0	18.90	19.08	19.02	18.72	18.85	18.80	21.82	21.93	21.87		
40	16QAM	1	1	18.99	19.04	19.02	18.80	18.79	18.87	21.91	21.93	21.96	23.0	0.0
40	64QAM	1	1	18.95	19.03	19.03	18.74	18.88	18.81	21.86	21.97	21.93	23.0	0.0
40	256QAM	1	1	17.60	17.70	17.61	17.62	17.67	17.56	20.72	20.85	20.80	22.5	0.5



n2				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374500	376000	376500	374500	376000	376500	374500	376000	376500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	21.23	21.38	21.35	21.00	20.95	20.89	24.13	24.18	24.14		
40	PI2 BPSK	1	108	21.34	21.38	21.40	20.98	20.98	20.98	24.17	24.19	24.21	25.5	0.0
40	PI2 BPSK	1	214	21.22	21.38	21.30	21.05	21.04	20.96	24.15	24.22	24.14		
40	PI2 BPSK	108	0	21.32	21.33	21.39	20.99	21.04	21.01	24.17	24.20	24.21	25.5	0.0
40	PI2 BPSK	108	54	21.27	21.42	21.34	20.93	21.04	20.88	24.11	24.24	24.13	25.5	0.0
40	PI2 BPSK	108	108	21.22	21.44	21.30	20.99	21.06	20.87	24.12	24.26	24.10	25.5	0.0
40	PI2 BPSK	216	0	21.32	21.35	21.36	20.95	21.08	20.98	24.15	24.23	24.18		
40	QPSK	1	1	21.25	21.26	21.43	21.05	21.10	21.02	24.22	24.29	24.24		
40	QPSK	1	108	21.28	21.42	21.38	21.03	21.08	21.00	24.17	24.26	24.20	25.5	0.0
40	QPSK	1	214	21.21	21.31	21.40	21.03	20.99	21.01	24.13	24.16	24.22		
40	QPSK	108	0	21.30	21.40	21.35	20.95	20.96	20.96	24.14	24.20	24.17	25.5	0.0
40	QPSK	108	54	21.32	21.43	21.40	20.99	21.07	20.98	24.17	24.26	24.21	25.5	0.0
40	QPSK	108	108	21.27	21.34	21.39	20.91	21.01	20.88	24.10	24.19	24.15	25.5	0.0
40	QPSK	216	0	21.31	21.42	21.40	21.03	21.05	20.95	24.18	24.25	24.19		
40	16QAM	1	1	21.28	21.33	21.36	20.98	21.04	20.90	24.14	24.20	24.15	25.5	0.0
40	16QAM	1	1	20.30	20.40	20.31	19.91	19.86	19.91	22.93	23.06	22.94	24.5	1.0
40	256QAM	1	1	17.87	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	3.0

n2				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374500	376000	376500	374500	376000	376500	374500	376000	376500		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	20.82	20.94	20.92	20.64	20.72	20.64	23.74	23.84	23.79		
40	PI2 BPSK	1	108	20.79	20.91	20.89	20.69	20.70	20.65	23.75	23.82	23.78	25.0	0.0
40	PI2 BPSK	1	214	20.76	20.88	20.80	20.64	20.66	20.67	23.71	23.78	23.75		
40	PI2 BPSK	108	0	20.76	20.83	20.79	20.67	20.68	20.70	23.72	23.76	23.76	25.0	0.0
40	PI2 BPSK	108	54	20.75	20.88	20.90	20.62	20.78	20.66	23.70	23.84	23.79	25.0	0.0
40	PI2 BPSK	108	108	20.70	20.90	20.92	20.75	20.68	20.71	23.74	23.80	23.83	25.0	0.0
40	PI2 BPSK	216	0	20.69	20.87	20.82	20.76	20.78	20.62	23.74	23.83	23.73		
40	QPSK	1	1	20.88	20.99	20.94	20.77	20.79	20.75	23.84	23.88	23.85		
40	QPSK	1	108	20.79	20.83	20.91	20.70	20.67	20.62	23.78	23.76	23.78	25.0	0.0
40	QPSK	1	214	20.76	20.84	20.88	20.71	20.77	20.67	23.75	23.82	23.79		
40	QPSK	108	0	20.76	20.83	20.84	20.73	20.72	20.66	23.76	23.79	23.76	25.0	0.0
40	QPSK	108	54	20.75	20.91	20.88	20.74	20.75	20.69	23.78	23.84	23.80	25.0	0.0
40	QPSK	108	108	20.70	20.87	20.86	20.72	20.69	20.65	23.72	23.79	23.76	25.0	0.0
40	QPSK	216	0	20.74	20.92	20.90	20.68	20.74	20.63	23.72	23.84	23.78		
40	16QAM	1	1	20.73	20.81	20.85	20.73	20.72	20.73	23.74	23.78	23.80	25.0	0.0
40	16QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	0.5
40	256QAM	1	1	17.87	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	2.5



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P1/2 BPSK	1	1	19.13	19.19	19.05	18.85	18.89	18.81	22.00	22.05	21.94		
40	P1/2 BPSK	1	108	19.10	19.16	19.14	18.92	18.82	18.82	22.02	22.00	21.99	23.0	0.0
40	P1/2 BPSK	1	214	19.15	19.09	19.16	18.84	18.94	18.81	22.01	22.03	22.00		
40	P1/2 BPSK	108	0	19.04	19.05	19.16	18.81	18.81	18.80	21.95	21.94	21.99	23.0	0.0
40	P1/2 BPSK	108	54	19.13	19.17	19.07	18.79	18.89	18.81	21.97	22.04	21.95	23.0	0.0
40	P1/2 BPSK	108	108	19.08	19.18	19.10	18.79	18.86	18.78	21.95	22.03	21.95	23.0	0.0
40	P1/2 BPSK	216	0	19.09	19.17	19.12	18.86	18.83	18.73	21.99	22.01	21.94		
40	QPSK	1	1	19.15	19.20	19.17	19.05	19.05	19.03	22.06	22.09	22.01		
40	QPSK	1	108	19.08	19.07	19.02	18.79	18.85	18.79	21.95	22.02	21.92	23.0	0.0
40	QPSK	1	214	19.08	19.08	19.15	18.80	18.91	18.79	21.95	22.01	21.98		
40	QPSK	108	0	19.12	19.09	19.14	18.78	18.82	18.82	21.96	21.97	21.99	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	18.86	18.90	18.84	22.01	22.05	22.01	23.0	0.0
40	QPSK	108	108	19.10	19.15	19.15	18.82	18.86	18.82	21.97	22.02	22.00	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.09	18.85	18.88	18.73	22.01	22.04	21.92		
40	16QAM	1	1	19.04	19.12	19.12	18.90	18.87	18.68	21.98	22.01	21.92	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	18.78	18.93	18.74	21.91	22.03	21.90	23.0	0.0
40	256QAM	1	1	17.89	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	0.5

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P1/2 BPSK	1	1	19.13	19.19	19.05	19.53	19.52	19.48	22.34	22.37	22.28		
40	P1/2 BPSK	1	108	19.10	19.16	19.14	19.47	19.51	19.45	22.30	22.35	22.31	23.0	0.0
40	P1/2 BPSK	1	214	19.15	19.09	19.16	19.48	19.59	19.57	22.33	22.36	22.28		
40	P1/2 BPSK	108	0	19.04	19.05	19.16	19.54	19.57	19.48	22.31	22.33	22.24	23.0	0.0
40	P1/2 BPSK	108	54	19.13	19.17	19.07	19.49	19.62	19.56	22.32	22.41	22.33	23.0	0.0
40	P1/2 BPSK	108	108	19.08	19.18	19.10	19.43	19.55	19.56	22.27	22.38	22.35	23.0	0.0
40	P1/2 BPSK	216	0	19.09	19.17	19.12	19.54	19.52	19.55	22.33	22.36	22.35		
40	QPSK	1	1	19.16	19.20	19.17	19.65	19.65	19.63	22.47	22.44	22.40		
40	QPSK	1	108	19.09	19.07	19.02	19.51	19.56	19.51	22.32	22.33	22.28	23.0	0.0
40	QPSK	1	214	19.08	19.08	19.15	19.50	19.62	19.52	22.31	22.37	22.35		
40	QPSK	108	0	19.12	19.09	19.14	19.48	19.52	19.54	22.31	22.32	22.35	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	19.49	19.62	19.55	22.32	22.42	22.37	23.0	0.0
40	QPSK	108	108	19.10	19.16	19.16	19.42	19.65	19.65	22.27	22.25	22.26	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.09	19.40	19.60	19.58	22.29	22.40	22.25		
40	16QAM	1	1	19.04	19.12	19.12	19.52	19.51	19.48	22.30	22.33	22.31	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	19.51	19.51	19.54	22.28	22.32	22.30	23.0	0.0
40	256QAM	1	1	17.89	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	0.5



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				314500	316500	318500	316500	318500	316500	314500	316500	318500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	21.99	22.19	22.12	21.44	21.38	21.43	24.73	24.81	24.80	25.5	0.0
40	PI2 BPSK	1	108	21.96	22.21	22.16	21.35	21.37	21.38	24.68	24.82	24.80		
40	PI2 BPSK	1	214	22.07	22.14	22.03	21.43	21.47	21.45	24.77	24.83	24.76	25.5	0.0
40	PI2 BPSK	108	0	22.03	22.10	22.16	21.33	21.39	21.39	24.70	24.77	24.80		
40	PI2 BPSK	108	54	22.04	22.16	22.03	21.43	21.45	21.38	24.76	24.83	24.73	25.5	0.0
40	PI2 BPSK	108	108	21.96	22.16	22.03	21.41	21.38	21.39	24.70	24.80	24.73		
40	PI2 BPSK	216	0	22.07	22.20	22.05	21.45	21.51	21.47	24.78	24.88	24.78	25.5	0.0
40	QPSK	1	1	22.10	22.22	22.17	21.48	21.52	21.49	24.91	24.89	24.85		
40	QPSK	1	108	22.09	22.21	22.15	21.33	21.48	21.39	24.74	24.87	24.79	25.5	0.0
40	QPSK	1	214	22.02	22.13	22.13	21.46	21.41	21.40	24.76	24.80	24.79		
40	QPSK	108	0	21.17	21.85	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	0.0
40	QPSK	108	54	21.95	22.17	22.14	21.33	21.42	21.39	24.69	24.82	24.79		
40	QPSK	108	108	21.34	21.72	21.88	21.09	21.13	21.09	24.23	24.45	24.41	25.5	0.0
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34		
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	0.0
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18		
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	3.0
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80		

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	21.06	21.15	21.09	20.92	20.94	20.92	24.00	24.06	24.02	25.0	0.0
40	PI2 BPSK	1	108	21.09	21.15	21.09	20.93	21.00	20.93	24.02	24.09	24.02		
40	PI2 BPSK	1	214	20.99	21.12	20.99	20.83	20.94	20.88	23.92	24.04	24.00	25.0	0.0
40	PI2 BPSK	108	0	21.06	21.15	21.04	20.86	20.96	20.88	23.98	24.06	24.02		
40	PI2 BPSK	108	54	21.13	21.04	21.00	20.90	20.89	20.96	24.03	23.98	23.99	25.0	0.0
40	PI2 BPSK	108	108	21.07	21.08	21.04	20.80	21.02	20.95	23.95	24.06	24.01		
40	PI2 BPSK	216	0	21.06	21.11	21.02	20.89	21.00	20.95	23.99	24.07	24.00	25.0	0.0
40	QPSK	1	1	21.14	21.16	21.10	20.94	21.03	21.03	24.05	24.12	24.06		
40	QPSK	1	108	21.04	21.05	21.07	20.91	20.94	20.91	23.98	24.01	24.00	25.0	0.0
40	QPSK	1	214	21.07	21.14	21.09	20.80	20.90	20.95	23.95	24.03	24.03		
40	QPSK	108	0	21.04	21.06	21.01	20.87	20.89	20.93	23.97	23.99	23.98	25.0	0.0
40	QPSK	108	54	21.06	21.12	21.06	20.90	20.97	20.94	24.00	24.06	24.01		
40	QPSK	108	108	21.07	21.03	21.06	20.88	20.90	20.92	23.99	23.98	24.00	25.0	0.0
40	QPSK	216	0	21.01	21.10	21.08	20.93	20.95	20.95	23.98	24.04	24.00		
40	16QAM	1	1	21.10	21.05	20.95	20.82	20.93	20.90	23.97	24.00	23.94	25.0	0.0
40	64QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43		
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	2.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98		



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346500	349000	352000	346500	349000	352000	346500	349000	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	20.76	20.75	20.72	20.35	20.42	20.45	23.57	23.60	23.60	24.5	0.0
40	PI2 BPSK	1	108	20.66	20.70	20.61	20.38	20.41	20.48	23.53	23.57	23.56		
40	PI2 BPSK	1	214	20.74	20.76	20.62	20.34	20.45	20.43	23.56	23.62	23.54		
40	PI2 BPSK	108	0	20.63	20.75	20.64	20.44	20.45	20.38	23.55	23.61	23.52	24.5	0.0
40	PI2 BPSK	108	54	20.64	20.74	20.67	20.40	20.48	20.37	23.53	23.62	23.53	24.5	0.0
40	PI2 BPSK	108	108	20.63	20.78	20.60	20.40	20.42	20.49	23.53	23.60	23.56	24.5	0.0
40	PI2 BPSK	216	0	20.73	20.76	20.63	20.36	20.39	20.35	23.56	23.59	23.50		
40	QPSK	1	1	20.77	20.75	20.75	20.46	20.54	20.50	23.63	23.69	23.64	24.5	0.0
40	QPSK	1	108	20.75	20.69	20.66	20.33	20.40	20.48	23.56	23.55	23.58		
40	QPSK	1	214	20.65	20.69	20.72	20.36	20.39	20.43	23.52	23.55	23.59		
40	QPSK	108	0	20.63	20.70	20.71	20.34	20.47	20.45	23.50	23.60	23.59	24.5	0.0
40	QPSK	108	54	20.75	20.78	20.73	20.45	20.53	20.47	23.61	23.67	23.61	24.5	0.0
40	QPSK	108	108	20.70	20.66	20.72	20.42	20.52	20.42	23.57	23.60	23.58	24.5	0.0
40	QPSK	216	0	20.70	20.76	20.74	20.36	20.30	20.46	23.54	23.64	23.61		
40	16QAM	1	1	20.71	20.71	20.61	20.38	20.46	20.47	23.56	23.60	23.55	24.5	0.0
40	16QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04	24.5	0.0
40	256QAM	1	1	17.82	17.66	17.56	17.57	17.60	17.55	20.06	20.64	20.57	22.5	2.0

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346500	349000	352000	346500	349000	352000	346500	349000	352000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	19.18	19.23	19.21	19.58	19.68	19.64	22.39	22.47	22.44	23.0	0.0
40	PI2 BPSK	1	108	19.30	19.27	19.24	19.63	19.67	19.64	22.48	22.48	22.45		
40	PI2 BPSK	1	214	19.25	19.33	19.28	19.62	19.69	19.65	22.45	22.52	22.48		
40	PI2 BPSK	108	0	19.32	19.25	19.26	19.59	19.76	19.67	22.47	22.52	22.46	23.0	0.0
40	PI2 BPSK	108	54	19.28	19.31	19.16	19.59	19.73	19.68	22.45	22.54	22.44	23.0	0.0
40	PI2 BPSK	108	108	19.28	19.37	19.23	19.66	19.66	19.60	22.48	22.53	22.43	23.0	0.0
40	PI2 BPSK	216	0	19.25	19.23	19.15	19.55	19.66	19.69	22.41	22.46	22.44		
40	QPSK	1	1	19.33	19.38	19.39	19.69	19.77	19.75	22.52	22.59	22.54	23.0	0.0
40	QPSK	1	108	19.30	19.34	19.27	19.65	19.73	19.66	22.44	22.55	22.46		
40	QPSK	1	214	19.19	19.32	19.25	19.57	19.67	19.66	22.39	22.51	22.47		
40	QPSK	108	0	19.18	19.34	19.28	19.62	19.70	19.60	22.42	22.53	22.45	23.0	0.0
40	QPSK	108	54	19.25	19.38	19.30	19.65	19.71	19.69	22.45	22.56	22.51	23.0	0.0
40	QPSK	108	108	19.27	19.32	19.26	19.69	19.69	19.63	22.44	22.52	22.46		
40	QPSK	216	0	19.21	19.34	19.18	19.60	19.70	19.65	22.42	22.53	22.43	23.0	0.0
40	16QAM	1	1	19.21	19.33	19.17	19.67	19.73	19.60	22.46	22.54	22.40	23.0	0.0
40	16QAM	1	1	19.21	19.28	19.20	19.55	19.70	19.65	22.39	22.51	22.44	23.0	0.0
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.86	20.90	20.86	22.5	0.5



n66			Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.			Power High Ch./Freq.
Channel			1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	22.36	22.34	22.21	21.85	21.85	21.85	25.12	25.11	25.04	26.0	0.0
40	PI2 BPSK	1	108	22.31	22.44	22.20	21.83	21.93	21.88	25.09	25.20	25.05		
40	PI2 BPSK	1	214	22.23	22.39	22.25	21.82	21.94	21.91	25.04	25.18	25.09	26.0	0.0
40	PI2 BPSK	108	0	22.25	22.34	22.22	21.82	21.70	21.82	24.96	25.04	24.94		
40	PI2 BPSK	108	54	22.33	22.34	22.20	21.91	21.91	21.94	25.14	25.14	25.08	26.0	0.0
40	PI2 BPSK	108	108	22.34	22.38	22.32	21.98	21.85	21.90	24.99	25.04	24.94		
40	PI2 BPSK	216	0	22.27	22.39	22.32	21.55	21.69	21.81	24.94	25.06	24.99	26.0	0.0
40	QPSK	1	1	22.46	22.46	22.40	21.93	21.95	21.95	25.21	25.25	25.20		
40	QPSK	1	108	22.38	22.38	22.24	21.92	21.89	21.82	25.16	25.15	25.05	26.0	0.0
40	QPSK	1	214	22.25	22.46	22.29	21.80	21.92	21.91	25.04	25.21	25.11		
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54	25.5	0.5
40	QPSK	108	54	22.27	22.37	22.23	21.67	21.95	21.83	25.08	25.18	25.08		
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.57	24.68	24.58	25.5	0.5
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.58		
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76	25.5	0.5
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31		
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	3.5
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88		

n66			Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MRR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.			Power High Ch./Freq.
Channel			1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	19.37	19.57	19.50	19.34	19.35	19.31	22.37	22.47	22.42	23.0	0.0
40	PI2 BPSK	1	108	19.37	19.52	19.49	19.20	19.38	19.23	22.30	22.46	22.37		
40	PI2 BPSK	1	214	19.44	19.51	19.43	19.29	19.32	19.18	22.38	22.43	22.32	23.0	0.0
40	PI2 BPSK	108	0	19.49	19.57	19.54	19.23	19.43	19.28	22.37	22.51	22.42		
40	PI2 BPSK	108	54	19.40	19.63	19.40	19.22	19.41	19.22	22.32	22.53	22.32	23.0	0.0
40	PI2 BPSK	108	108	19.42	19.62	19.41	19.22	19.39	19.29	22.33	22.52	22.36		
40	PI2 BPSK	216	0	19.38	19.52	19.43	19.30	19.34	19.21	22.35	22.44	22.33	23.0	0.0
40	QPSK	1	1	19.52	19.64	19.55	19.35	19.46	19.33	22.45	22.56	22.45		
40	QPSK	1	108	19.44	19.60	19.54	19.25	19.44	19.28	22.36	22.53	22.42	23.0	0.0
40	QPSK	1	214	19.46	19.60	19.44	19.24	19.32	19.23	22.38	22.47	22.35		
40	QPSK	108	0	19.40	19.51	19.48	19.29	19.36	19.18	22.36	22.45	22.34	23.0	0.0
40	QPSK	108	54	19.51	19.60	19.59	19.34	19.43	19.22	22.44	22.53	22.37		
40	QPSK	108	108	19.27	19.57	19.41	19.33	19.40	19.18	22.36	22.50	22.31	23.0	0.0
40	QPSK	216	0	19.29	19.63	19.48	19.22	19.41	19.31	22.32	22.53	22.41		
40	16QAM	1	1	19.45	19.58	19.53	19.33	19.33	19.19	22.40	22.47	22.37	23.0	0.0
40	64QAM	1	1	19.51	19.54	19.44	19.27	19.37	19.27	22.40	22.47	22.37		
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	0.5
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16		



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50502	51658	52800	50502	51658	52800	50502	51658	52800		
				52411	53224	54037	52411	53224	54037	52411	53224	54037		
100	PC2BPSK	1	1	22.52	22.29	22.09	21.79	22.00	21.87	24.97	25.18	25.10	26.0	0.0
100	PC2BPSK	1	137	22.07	22.30	22.30	21.88	21.88	21.88	24.98	25.18	25.11	26.0	0.0
100	PC2BPSK	1	271	22.16	22.39	22.22	21.84	21.88	21.83	25.01	25.20	25.09	26.0	0.0
100	PC2BPSK	135	0	22.00	22.32	22.28	21.85	21.93	21.93	24.98	25.18	25.12	26.0	0.0
100	PC2BPSK	135	60	22.17	22.29	22.23	21.78	22.01	21.82	24.98	25.18	25.09	26.0	0.0
100	PC2BPSK	135	158	22.11	22.27	22.21	21.87	21.93	21.93	25.00	25.11	25.09	26.0	0.0
100	PC2BPSK	270	0	22.18	22.35	22.25	21.89	21.91	21.88	25.04	25.15	25.06	26.0	0.0
100	QPSK	1	1	22.20	22.40	22.20	21.90	22.05	21.97	25.04	25.24	25.11	26.0	0.0
100	QPSK	1	137	22.17	22.38	22.07	21.89	21.95	21.84	25.00	25.17	25.07	26.0	0.0
100	QPSK	1	271	22.05	22.31	22.21	21.75	21.84	21.93	24.91	25.14	25.13	26.0	0.0
100	QPSK	135	0	22.13	22.33	22.27	21.85	21.87	21.89	25.00	25.18	25.09	26.0	0.0
100	QPSK	135	60	22.14	22.28	22.22	21.85	21.85	21.85	24.99	25.17	25.14	26.0	0.0
100	QPSK	135	158	22.15	22.33	22.22	21.85	21.99	21.93	25.01	25.17	25.06	26.0	0.0
100	QPSK	270	0	22.11	22.32	22.29	21.84	21.99	21.84	24.99	25.17	25.13	26.0	0.0
100	SSBAM	1	1	22.28	22.21	22.28	21.77	21.99	21.89	24.98	25.18	25.12	26.0	0.0
100	SSBAM	1	1	22.11	22.30	22.21	21.81	22.04	21.84	24.97	25.18	25.09	26.0	0.0
100	SSBAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	23.80	24.60	23.97	25.0	0.5

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50502	51658	52800	50502	51658	52800	50502	51658	52800		
				52411	53224	54037	52411	53224	54037	52411	53224	54037		
100	PC1BPSK	1	1	25.20	25.25	25.34	24.77	25.05	24.85	26.00	26.19	26.13	26.0	0.0
100	PC1BPSK	1	137	25.14	25.27	25.33	24.80	24.83	24.89	27.98	28.11	28.13	26.0	0.0
100	PC1BPSK	1	271	25.20	25.27	25.28	24.76	24.83	24.83	26.00	26.11	26.08	26.0	0.0
100	PC1BPSK	135	0	24.80	24.84	24.78	24.84	24.82	24.87	27.42	27.69	27.59	26.0	0.0
100	PC1BPSK	135	60	25.20	25.34	25.33	24.80	25.04	24.81	26.04	26.20	26.09	26.0	0.0
100	PC1BPSK	135	158	24.82	24.73	24.71	24.85	24.81	24.85	27.40	27.63	27.53	26.0	0.0
100	PC1BPSK	270	0	24.84	24.85	24.82	24.82	24.82	24.82	27.42	27.77	27.67	26.0	0.0
100	QPSK	1	1	25.20	25.40	25.20	24.80	25.06	24.90	26.06	26.20	26.16	26.0	0.0
100	QPSK	1	137	25.22	25.28	25.33	24.80	24.80	24.80	26.03	26.42	26.16	26.0	0.0
100	QPSK	1	271	25.21	25.28	25.25	24.77	24.84	24.85	26.02	26.18	26.08	26.0	0.0
100	QPSK	135	0	24.81	24.89	24.85	24.82	24.82	24.84	27.18	27.52	27.41	26.0	0.5
100	QPSK	135	60	24.81	25.24	25.24	24.81	24.81	24.81	26.17	26.37	26.37	26.0	0.5
100	QPSK	135	158	24.87	24.48	24.40	24.83	24.28	24.11	27.06	27.38	27.27	26.0	0.5
100	QPSK	270	0	24.25	24.84	24.80	24.84	24.20	24.03	27.18	27.44	27.33	26.0	0.5
100	SSBAM	1	1	25.23	25.27	25.34	24.74	25.01	24.81	26.00	26.20	26.14	26.0	0.0
100	SSBAM	1	1	23.35	23.73	23.71	23.15	23.48	23.33	26.27	26.61	26.53	27.5	1.5
100	SSBAM	1	1	20.95	21.34	21.32	20.89	20.98	20.80	23.83	24.17	24.08	25.5	0.5



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)			
Channel															
				505002	518598	528000	505002	518598	528000	505002	518598	528000			
Frequency (MHz)				24.51	24.52	24.53	24.51	24.52	24.53	24.51	24.52	24.53			
100	PI2-BPSK	1	1	21.58	21.64	21.91	21.73	21.85	21.99	24.87	24.95	24.95	20.0	0.0	
100	PI2-BPSK	1	137	21.67	22.03	22.03	21.79	22.00	21.99	24.74	25.01	25.02	20.0	0.0	
100	PI2-BPSK	1	271	21.57	21.96	21.97	21.77	21.98	21.85	24.88	24.97	24.95	20.0	0.0	
100	PI2-BPSK	135	5	21.61	21.98	21.98	21.80	22.02	21.89	24.74	25.01	24.95	20.0	0.0	
100	PI2-BPSK	135	66	21.60	22.07	21.96	21.81	21.98	21.85	24.72	25.04	24.89	20.0	0.0	
100	PI2-BPSK	135	138	21.68	22.05	22.01	21.75	22.01	21.85	24.71	25.03	24.84	20.0	0.0	
100	PI2-BPSK	235	5	21.65	21.93	21.91	21.70	22.03	21.85	24.72	25.01	24.88	20.0	0.0	
100	QPSK	1	1	21.70	22.08	22.05	21.80	22.04	22.00	24.80	25.07	25.00	20.0	0.0	
100	QPSK	1	137	21.61	21.99	21.94	21.84	21.99	21.85	24.74	24.99	24.99	20.0	0.0	
100	QPSK	1	271	21.59	22.07	21.95	21.77	21.91	21.82	24.74	24.97	24.92	20.0	0.0	
100	QPSK	135	5	21.65	22.01	21.97	21.82	22.01	21.85	24.75	24.98	24.84	20.0	0.0	
100	QPSK	135	66	21.63	22.09	22.00	21.80	22.01	21.85	24.75	24.95	24.85	20.0	0.0	
100	QPSK	135	138	21.61	22.08	22.00	21.75	22.00	21.85	24.71	25.04	24.98	20.0	0.0	
100	QPSK	235	5	21.67	21.94	21.92	21.78	21.99	21.85	24.74	24.98	24.95	20.0	0.0	
100	SSBAM	1	1	21.59	21.95	21.90	21.80	22.00	21.87	24.74	24.98	24.95	20.0	0.0	
100	SSBAM	1	1	21.57	22.05	21.95	21.77	21.95	21.89	24.82	25.01	24.93	20.0	0.0	
100	SSBAM	1	1	20.55	24.14	21.11	20.29	20.99	21.09	23.88	24.98	24.52	20.5	0.5	

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)			
Channel															
				505002	518598	528000	505002	518598	528000	505002	518598	528000			
Frequency (MHz)				24.51	24.52	24.53	24.51	24.52	24.53	24.51	24.52	24.53			
100	PI2-BPSK	1	1	24.69	24.98	24.84	24.79	25.02	24.87	24.97	25.01	25.01	20.0	0.0	
100	PI2-BPSK	1	137	24.66	24.97	24.82	24.80	25.03	24.95	24.77	25.01	25.00	20.0	0.0	
100	PI2-BPSK	1	271	24.68	24.96	24.83	24.75	24.93	24.89	24.73	24.97	24.87	20.0	0.0	
100	PI2-BPSK	135	5	24.65	24.91	24.78	24.97	24.71	24.96	24.82	24.82	24.80	20.0	0.0	
100	PI2-BPSK	135	66	24.77	24.90	24.75	24.82	24.97	24.67	24.81	24.95	24.82	20.0	0.0	
100	PI2-BPSK	135	138	24.14	24.65	24.58	24.38	24.48	24.46	24.27	24.53	24.53	20.0	0.0	
100	PI2-BPSK	235	5	24.76	24.84	24.77	24.80	24.82	24.48	24.58	24.79	24.80	20.0	0.0	
100	QPSK	1	1	24.60	25.00	24.80	24.80	25.00	24.67	24.80	24.84	24.80	20.0	0.0	
100	QPSK	1	137	24.74	24.91	24.81	24.82	24.89	24.86	24.82	24.83	24.81	20.0	0.0	
100	QPSK	1	271	24.75	24.85	24.80	24.82	25.00	24.84	24.80	24.80	24.80	20.0	0.0	
100	QPSK	135	5	24.69	24.61	24.57	24.37	24.37	24.44	24.24	24.60	24.52	20.0	0.5	
100	QPSK	135	66	24.74	24.80	24.74	24.54	24.97	24.51	24.60	24.50	24.50	20.0	0.0	
100	QPSK	135	138	24.01	24.35	24.20	24.09	24.20	24.10	24.08	24.20	24.21	20.0	0.5	
100	QPSK	235	5	24.81	24.52	24.48	24.51	24.23	24.12	24.02	24.30	24.31	20.0	0.5	
100	SSBAM	1	1	20.55	24.89	24.97	24.77	25.05	24.90	24.72	25.02	24.80	20.0	0.5	
100	SSBAM	1	1	23.02	25.54	25.48	23.25	23.45	23.38	26.15	26.52	26.41	23.5	1.5	
100	SSBAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.70	24.11	24.01	20.5	3.5	



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co. (Freq)	Power Middle Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Middle Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Middle Co. (Freq)	Power High Co. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80		
100	PI2-BPSK	1	1	22.70	23.11	22.98	22.66	23.00	22.94	23.69	23.07	23.77		
100	PI2-BPSK	1	137	22.60	22.94	22.73	22.45	22.79	22.43	23.34	23.81	23.99	27.0	0.0
100	PI2-BPSK	135	5	22.49	22.80	22.70	22.47	22.80	22.50	23.40	23.89	23.64	27.0	0.0
100	PI2-BPSK	135	66	22.61	22.01	22.83	22.50	22.99	22.80	23.60	23.02	23.73	27.0	0.0
100	PI2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	23.36	23.82	23.82	27.0	0.0
100	PI2-BPSK	235	5	22.57	22.80	22.80	22.52	22.82	22.47	23.50	23.87	23.65		
100	QPSK	1	1	22.79	23.10	22.91	22.70	23.10	22.80	23.77	23.14	23.27		
100	QPSK	1	137	22.73	23.04	22.89	22.60	22.87	22.60	23.70	23.02	23.78	27.0	0.0
100	QPSK	1	271	22.65	22.92	22.79	22.54	22.83	22.51	23.81	23.89	23.68		
100	QPSK	135	5	22.58	23.04	22.85	22.50	22.87	22.59	23.57	23.02	23.73	27.0	0.0
100	QPSK	135	66	22.69	22.01	22.87	22.50	22.99	22.80	23.60	23.02	23.73	27.0	0.0
100	QPSK	135	138	22.46	22.91	22.75	22.45	22.88	22.52	23.44	23.91	23.65	27.0	0.0
100	QPSK	235	5	22.92	22.85	22.93	22.58	22.88	22.53	23.81	23.87	23.74		
100	SSB-AM	1	1	22.71	23.10	22.81	22.81	23.09	22.38	23.67	23.15	23.36	27.0	0.0
100	SSB-AM	1	1	22.79	23.15	23.00	22.81	23.02	22.85	23.72	23.09	23.84	27.0	0.0
100	SSB-AM	1	1	20.38	20.71	20.57	20.64	20.47	20.63	21.83	21.70	21.81	20.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co. (Freq)	Power Middle Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Middle Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Middle Co. (Freq)	Power High Co. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80		
100	PI2-BPSK	1	1	23.82	23.53	23.92	23.73	23.05	23.73	23.79	23.10	23.84		
100	PI2-BPSK	1	137	23.30	23.58	23.39	23.19	23.52	23.00	23.26	23.46	23.21	30.0	0.0
100	PI2-BPSK	1	271	23.21	23.03	23.34	23.05	23.36	23.01	23.44	23.46	23.19		
100	PI2-BPSK	135	5	24.52	24.81	24.60	24.00	24.51	24.17	27.31	27.87	27.50	30.0	1.0
100	PI2-BPSK	135	66	23.20	23.52	23.34	23.12	23.26	23.15	23.17	23.40	23.20	30.0	0.0
100	PI2-BPSK	135	138	24.29	24.52	24.31	24.07	24.11	24.07	27.17	27.34	27.20	30.0	1.0
100	PI2-BPSK	235	5	24.36	24.71	24.51	24.17	24.30	24.16	27.26	27.52	27.30		
100	QPSK	1	1	23.82	23.50	23.99	23.80	23.14	23.79	23.84	23.17	23.80		
100	QPSK	1	137	23.79	23.67	23.66	23.10	23.60	23.10	23.78	23.06	23.71	30.0	0.0
100	QPSK	1	271	23.50	23.50	23.50	23.51	23.50	23.00	23.18	23.46	23.10		
100	QPSK	135	5	24.06	24.30	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.8
100	QPSK	135	66	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50		
100	QPSK	135	138	24.06	24.30	24.00	24.03	24.11	24.04	27.03	27.22	27.05	28.0	1.0
100	QPSK	235	5	24.02	24.21	24.48	24.21	24.20	24.23	27.13	27.25	27.17	28.0	1.0
100	SSB-AM	1	1	21.00	21.30	21.00	21.00	21.04	21.00	23.21	23.00	23.00	20.0	1.0
100	SSB-AM	1	1	21.02	21.31	21.10	21.00	21.22	21.07	21.97	21.69	21.60	21.5	2.5
100	SSB-AM	1	1	20.38	20.70	20.59	20.67	20.76	20.83	21.83	21.78	21.82	20.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)			
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000			
Frequency (MHz)				22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62	
100	PI2-BPSK	1	1	22.12	22.63	22.82	22.86	22.97	23.46	22.97	23.46	23.55	23.91		
100	PI2-BPSK	1	137	22.71	22.80	22.81	22.71	22.26	22.88	22.72	22.69	23.88	27.0	0.0	
100	PI2-BPSK	1	271	22.84	22.85	22.83	22.71	22.12	22.76	22.88	26.04	23.81			
100	PI2-BPSK	135	5	22.88	22.82	22.80	22.50	22.78	22.70	23.83	26.00	23.78	27.0	0.0	
100	PI2-BPSK	135	89	22.89	22.87	22.81	22.69	22.26	22.88	22.70	26.13	23.90	27.0	0.0	
100	PI2-BPSK	135	138	22.88	22.72	22.85	22.86	22.81	22.77	22.83	23.88	23.72	27.0	0.0	
100	PI2-BPSK	215	5	22.82	22.78	22.81	22.80	22.12	22.81	22.80	22.95	23.85			
100	QPSK	1	1	22.27	22.19	22.16	22.27	22.46	22.21	22.10	22.10	22.10	27.0	0.0	
100	QPSK	1	137	22.78	22.88	22.86	22.80	22.41	22.80	22.80	22.24	22.99			
100	QPSK	1	271	22.70	22.80	22.83	22.70	22.26	22.82	22.74	22.14	22.84			
100	QPSK	135	5	22.75	22.81	22.83	22.59	22.23	22.83	22.73	22.88	22.84	27.0	0.0	
100	QPSK	135	89	22.80	22.85	22.81	22.51	22.26	22.81	22.18	22.80	27.0	0.0		
100	QPSK	135	138	22.83	22.70	22.76	22.81	22.13	22.81	22.83	22.97	22.80	27.0	0.0	
100	QPSK	215	5	22.75	22.80	22.82	22.73	22.17	22.83	22.70	22.84	22.81			
100	SSB-AM	1	1	22.81	22.10	22.86	22.83	22.48	22.28	22.88	22.26	22.50	27.0	0.0	
100	SSB-AM	1	1	22.72	22.54	22.88	22.82	22.38	22.85	22.72	22.22	22.53	27.0	0.0	
100	SSB-AM	1	1	22.30	22.72	22.53	22.52	21.83	22.87	22.32	22.89	22.88	22.5	1.5	

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62	22.82	22.11	22.62
100	PI2-BPSK	1	1	22.82	22.50	22.89	22.86	22.37	22.91	22.80	22.25	22.81		
100	PI2-BPSK	1	137	22.38	22.85	22.42	22.88	22.60	22.15	22.20	22.84	22.30	30.0	0.0
100	PI2-BPSK	1	271	22.30	22.20	22.40	22.84	22.82	22.08	22.14	22.57	22.25		
100	PI2-BPSK	135	5	22.48	22.70	22.83	22.84	22.82	22.33	22.41	22.80	22.41	29.0	1.0
100	PI2-BPSK	135	89	22.19	22.40	22.20	22.80	22.20	22.07	22.11	22.50	22.17	30.0	0.0
100	PI2-BPSK	135	138	22.30	22.20	22.40	22.81	22.82	22.03	22.84	22.09	22.74	29.0	1.0
100	PI2-BPSK	215	5	22.34	22.81	22.41	22.20	22.77	22.28	22.31	22.70	22.20		
100	QPSK	1	1	22.12	22.11	22.10	22.11	22.11	22.07	22.07	22.07	22.07	30.0	0.0
100	QPSK	1	137	22.28	22.80	22.40	22.81	22.81	22.10	22.10	22.80	22.80		
100	QPSK	1	271	22.28	22.80	22.40	22.81	22.81	22.10	22.10	22.80	22.80		
100	QPSK	135	5	22.03	22.29	22.05	22.82	22.44	22.00	22.84	22.38	22.04	28.5	1.5
100	QPSK	135	89	22.01	22.80	22.01	22.80	22.01	22.80	22.01	22.80	22.01	28.5	0.0
100	QPSK	135	138	22.05	22.21	22.07	22.84	22.05	22.80	22.08	22.38	22.07	28.0	1.0
100	QPSK	215	5	22.05	22.21	22.09	22.83	22.05	22.07	22.05	22.05	22.05	28.0	1.0
100	SSB-AM	1	1	22.81	22.22	22.81	22.80	22.52	22.80	22.50	22.80	22.80	28.0	1.0
100	SSB-AM	1	1	22.86	22.21	22.80	22.87	22.52	22.80	22.05	22.80	22.05	27.5	2.5
100	SSB-AM	1	1	22.30	22.77	22.54	22.88	21.88	22.84	22.50	22.84	22.60	22.5	4.0



Part96_n48				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3074.08	3076.16	3072	3074.08	3076.16	3072	3074.08	3076.16		
40	QPSK	1	1	18.90	18.93	18.95	18.54	18.57	18.45	21.73	21.75	21.67	23.0	0.0
40	QPSK	1	63	18.83	18.82	18.74	18.44	18.54	18.32	21.65	21.69	21.55		
40	QPSK	1	104	18.86	18.78	18.81	18.39	18.47	18.39	21.64	21.64	21.62		
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.85	20.99	21.11	21.02	22.5	0.5
40	QPSK	63	27	18.84	18.88	18.76	18.26	18.26	18.38	21.68	21.73	21.62	23.0	0.0
40	QPSK	63	63	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	0.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25		
40	16QAM	1	1	18.84	18.91	18.82	18.51	18.42	18.43	21.69	21.68	21.64	23.0	0.0
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	1.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	3.5

Part96_n48				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MRR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332
Frequency (MHz)				3072	3074.08	3076.16	3072	3074.08	3076.16	3072	3074.08	3076.16	3072	3074.08	3076.16
40	QPSK	1	1	17.41	17.47	17.35	15.67	15.72	15.68	19.64	19.69	19.62	21.5	0.0	
40	QPSK	1	63	17.40	17.34	17.29	15.65	15.58	15.63	19.62	19.96	19.95			
40	QPSK	1	104	17.27	17.45	17.23	15.61	15.59	15.67	19.53	19.63	19.53			
40	QPSK	53	0	17.35	17.32	17.23	15.53	15.62	15.62	19.54	19.56	19.51	21.5	0.0	
40	QPSK	63	27	17.38	17.42	17.33	15.63	15.70	15.67	19.51	19.85	19.95	21.5	0.0	
40	QPSK	63	63	17.28	17.28	17.28	15.54	15.68	15.66	19.51	19.55	19.56	21.5	0.0	
40	QPSK	106	0	17.28	17.35	17.21	15.54	15.65	15.63	19.51	19.80	19.80			
40	16QAM	1	1	17.28	17.32	17.25	15.57	15.71	15.57	19.52	19.80	19.50	21.5	0.0	
40	64QAM	1	1	17.34	17.38	17.31	15.56	15.70	15.58	19.55	19.62	19.54	21.5	0.0	
40	256QAM	1	1	15.19	15.20	15.17	14.69	14.77	14.69	17.91	17.95	17.90	19.5	3.5	



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				17.93	18.04	18.15	17.93	18.04	18.15	17.93	18.04	18.15		
40	QPSK	1	1	17.97	18.05	17.94	17.92	17.98	17.96	17.96	17.93	17.93	22.5	0.0
40	QPSK	1	53	17.91	18.02	17.92	17.89	17.84	17.81	20.91	20.94	20.88		
40	QPSK	1	104	17.87	18.04	17.83	17.90	17.85	17.90	20.90	20.96	20.88		
40	QPSK	53	0	17.87	18.01	17.87	17.73	17.87	17.80	20.81	20.95	20.85	22.5	0.0
40	QPSK	53	27	17.98	18.05	17.90	17.87	17.92	17.90	20.93	20.98	20.91	22.5	0.0
40	QPSK	53	53	17.93	17.92	17.87	17.74	17.84	17.78	20.85	20.89	20.84	22.5	0.0
40	QPSK	106	0	17.90	17.91	17.88	17.77	17.90	17.88	20.85	20.92	20.89		
40	16QAM	1	1	17.96	17.90	17.80	17.81	17.86	17.86	20.90	20.89	20.84	22.5	0.0
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	1.0
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.69	17.68	17.62	19.5	3.0

Part96_n48				Ant 3			Ant 6			Ant 3+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				17.93	18.04	18.15	17.93	18.04	18.15	17.93	18.04	18.15		
40	QPSK	1	1	17.97	17.96	17.95	17.92	17.96	17.95	17.95	17.93	17.93	21.5	0.0
40	QPSK	1	53	17.21	17.23	17.17	16.85	16.85	16.81	19.59	19.60	19.55		
40	QPSK	1	104	17.17	17.23	17.17	16.71	16.75	16.83	19.51	19.56	19.56		
40	QPSK	53	0	17.12	17.30	17.22	16.76	16.78	16.78	19.50	19.62	19.57	21.5	0.0
40	QPSK	53	27	17.17	17.26	17.26	16.68	16.68	16.65	19.50	19.60	19.51	21.5	0.0
40	QPSK	53	53	17.16	17.21	17.15	16.81	16.77	16.77	19.55	19.58	19.52		
40	QPSK	106	0	17.16	17.30	17.27	16.85	16.88	16.81	19.56	19.60	19.61	21.5	0.0
40	16QAM	1	1	17.13	17.27	17.24	16.75	16.83	16.82	19.50	19.62	19.60	21.5	0.0
40	64QAM	1	1	17.11	17.13	17.01	16.45	16.51	16.41	19.27	19.41	19.29	21.0	0.5
40	256QAM	1	1	14.90	14.90	14.96	13.16	13.16	13.07	17.12	17.20	17.13	19.0	2.5



Part27O_n77(PC2)				Ant 4			Ant 8			Ant 4+8			Time-up time (hrs)	SPTF (dB)
Ant 27W	Modes	RIS Size	RIS Chan	Power Cap Ch. Freq.	Power Range Ch. Freq.	Power Top Ch. Freq.	Power Cap Ch. Freq.	Power Range Ch. Freq.	Power Top Ch. Freq.	Power Cap Ch. Freq.	Power Range Ch. Freq.	Power Top Ch. Freq.		
Frequency MHz				3300	3600	3600	3500	3800	3800	3700	3900	3900		
100	100	100	100	21.08	21.02	21.00	21.02	21.10	21.15	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.04	21.00	21.00	21.06	21.12	21.12	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.04	21.00	21.00	21.06	21.12	21.12	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.08	21.00	21.00	21.06	21.18	21.04	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.06	21.06	21.06	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.01	21.00	21.00	21.10	21.01	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.01	21.00	21.00	21.11	21.00	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.11	21.00	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.04	21.00	21.00	21.06	21.12	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.04	21.00	21.00	21.06	21.12	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.04	21.00	21.00	21.06	21.12	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.04	21.00	21.00	21.06	21.12	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.06	21.06	21.06	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.06	21.06	21.06	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.06	21.06	21.06	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.01	21.00	21.00	21.10	21.01	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.01	21.00	21.00	21.11	21.00	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.01	21.00	21.00	21.11	21.00	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.01	21.00	21.00	21.11	21.00	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.10	21.00	21.00	24.00	24.00	24.00	25.0	0.0
100	100	100	100	21.00	21.00	21.00	21.10	21.00	21.00	24.00	24.00	24.00	25.0	0.0



Part270_n77(PC1.5)					Ant 4			Ant 8			Ant 4+8				Tx-to-Rx (dB)	SRR
Ant ID	Mobility	FE Slot	FE Chan	Power Type	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq	Power Type Ch./FEq		
Summary																
Frequency Range				3700	3800	3900	3900	3800	3900	3700	3800	3900				
100	Fixed/Flex	T	T	24.54	24.58	24.62	24.56	24.60	24.64	24.58	24.62	24.56	24.60	24.64		
100	Fixed/Flex	T	F	24.62	24.66	24.70	24.56	24.60	24.64	24.68	24.72	24.60	24.64	24.68	20.0	
100	Fixed/Flex	T	FF	24.70	24.74	24.78	24.64	24.68	24.72	24.76	24.80	24.64	24.68	24.72		
100	Fixed/Flex	RR	F	24.78	24.82	24.86	24.72	24.76	24.80	24.84	24.88	24.72	24.76	24.80	20.0	
100	Fixed/Flex	LRR	RR	24.86	24.90	24.94	24.72	24.76	24.80	24.84	24.88	24.72	24.76	24.80	20.0	
100	Fixed/Flex	RR	RR	24.94	24.98	25.02	24.78	24.82	24.86	24.90	24.94	24.78	24.82	24.86	20.0	
100	Fixed/Flex	RR	R	25.02	25.06	25.10	24.86	24.90	24.94	24.98	25.02	24.86	24.90	24.94		
100	OFDM	T	T	25.10	25.14	25.18	25.04	25.08	25.12	25.16	25.20	25.04	25.08	25.12		
100	OFDM	T	FF	25.18	25.22	25.26	25.12	25.16	25.20	25.24	25.28	25.12	25.16	25.20	20.0	
100	OFDM	LRR	RR	25.26	25.30	25.34	25.14	25.18	25.22	25.26	25.30	25.14	25.18	25.22	20.0	
100	OFDM	LRR	RR	25.34	25.38	25.42	25.18	25.22	25.26	25.30	25.34	25.18	25.22	25.26	20.0	
100	OFDM	RR	RR	25.42	25.46	25.50	25.22	25.26	25.30	25.34	25.38	25.22	25.26	25.30	20.0	
100	OFDM	RR	R	25.50	25.54	25.58	25.34	25.38	25.42	25.46	25.50	25.34	25.38	25.42	20.0	
100	OFDM	RR	R	25.58	25.62	25.66	25.42	25.46	25.50	25.54	25.58	25.42	25.46	25.50	20.0	
100	OFDM	RR	R	25.66	25.70	25.74	25.50	25.54	25.58	25.62	25.66	25.50	25.54	25.58	20.0	
100	OFDM	RR	R	25.74	25.78	25.82	25.58	25.62	25.66	25.70	25.74	25.58	25.62	25.66	20.0	
100	OFDM	RR	R	25.82	25.86	25.90	25.66	25.70	25.74	25.78	25.82	25.66	25.70	25.74	20.0	
100	OFDM	RR	R	25.90	25.94	25.98	25.74	25.78	25.82	25.86	25.90	25.74	25.78	25.82	20.0	
100	OFDM	RR	R	25.98	26.02	26.06	25.82	25.86	25.90	25.94	25.98	25.82	25.86	25.90	20.0	
100	OFDM	RR	R	26.06	26.10	26.14	25.90	25.94	25.98	26.02	26.06	25.90	25.94	25.98	20.0	
100	OFDM	RR	R	26.14	26.18	26.22	25.98	26.02	26.06	26.10	26.14	25.98	26.02	26.06	20.0	
100	OFDM	RR	R	26.22	26.26	26.30	26.06	26.10	26.14	26.18	26.22	26.06	26.10	26.14	20.0	
100	OFDM	RR	R	26.30	26.34	26.38	26.14	26.18	26.22	26.26	26.30	26.14	26.18	26.22	20.0	
100	OFDM	RR	R	26.38	26.42	26.46	26.22	26.26	26.30	26.34	26.38	26.22	26.26	26.30	20.0	
100	OFDM	RR	R	26.46	26.50	26.54	26.30	26.34	26.38	26.42	26.46	26.30	26.34	26.38	20.0	
100	OFDM	RR	R	26.54	26.58	26.62	26.38	26.42	26.46	26.50	26.54	26.38	26.42	26.46	20.0	
100	OFDM	RR	R	26.62	26.66	26.70	26.46	26.50	26.54	26.58	26.62	26.46	26.50	26.54	20.0	

Part270_n77(PC2)		Ant 3				Ant 6				Ant 3+6					
Part 270	Modulation	RS Size	RS Class	Power Line Ch. 1 (Freq)	Power Line Ch. 2 (Freq)	Power Line Ch. 3 (Freq)	Power Line Ch. 4 (Freq)	Power Line Ch. 5 (Freq)	Power Line Ch. 6 (Freq)	Power Line Ch. 7 (Freq)	Power Line Ch. 8 (Freq)	Power Line Ch. 9 (Freq)	Power Line Ch. 10 (Freq)	Time-up (min)	MTR (%)
				595000	595000	595000	595000	595000	595000	595000	595000	595000	595000		
	Frequency/AM/FM			5950	5955	5960	5965	5970	5975	5980	5985	5990	5995		
1500	F30BFSK	1	1	20.30	20.37	20.42	20.50	20.56	20.64	20.70	20.77	20.82	20.88	24.5	0.0
1500	F30BFSK	1	1	20.12	20.19	20.24	20.32	20.38	20.46	20.52	20.59	20.64	20.70	24.5	0.0
1500	F30BFSK	1	271	20.14	20.20	20.25	20.33	20.39	20.47	20.53	20.60	20.66	20.72	24.5	0.0
1500	F30BFSK	100	9	20.00	20.07	20.12	20.20	20.26	20.34	20.40	20.47	20.53	20.59	24.5	0.0
1500	F30BFSK	100	90	20.13	20.20	20.25	20.33	20.39	20.47	20.53	20.60	20.66	20.72	24.5	0.0
1500	F30BFSK	100	100	20.14	20.20	20.25	20.33	20.39	20.47	20.53	20.60	20.66	20.72	24.5	0.0
1500	F30BFSK	200	0	20.00	20.07	20.12	20.20	20.26	20.34	20.40	20.47	20.53	20.59	24.5	0.0
1500	CPFSK	1	1	20.00	20.07	20.12	20.20	20.26	20.34	20.40	20.47	20.53	20.59	24.5	0.0
1500	CPFSK	1	107	20.02	20.09	20.14	20.22	20.28	20.36	20.42	20.49	20.55	20.61	24.5	0.0
1500	CPFSK	1	271	20.04	20.10	20.15	20.23	20.29	20.37	20.43	20.50	20.56	20.62	24.5	0.0
1500	CPFSK	100	0	20.12	20.18	20.23	20.31	20.37	20.45	20.51	20.58	20.64	20.70	24.5	0.0
1500	CPFSK	100	90	20.10	20.16	20.21	20.29	20.35	20.43	20.49	20.56	20.62	20.68	24.5	0.0
1500	CPFSK	100	100	20.11	20.17	20.22	20.30	20.36	20.44	20.50	20.57	20.63	20.69	24.5	0.0
1500	CPFSK	270	0	20.04	20.10	20.15	20.23	20.29	20.37	20.43	20.50	20.56	20.62	24.5	0.0
1500	CPFSK	270	1	20.10	20.16	20.21	20.29	20.35	20.43	20.50	20.56	20.62	20.68	24.5	0.0
1500	CPFSK	1	1	20.00	20.06	20.11	20.19	20.25	20.33	20.39	20.46	20.52	20.58	24.5	0.0
1500	CPFSK	1	1	20.10	20.16	20.21	20.29	20.35	20.43	20.50	20.56	20.62	20.68	24.5	0.0

Part270_n77(PC1.5)		Ant 3				Ant 6				Ant 3+6					
Part 270	Modulation	RS Size	RS Class	Power Line Ch. 1 (Freq)	Power Line Ch. 2 (Freq)	Power Line Ch. 3 (Freq)	Power Line Ch. 4 (Freq)	Power Line Ch. 5 (Freq)	Power Line Ch. 6 (Freq)	Power Line Ch. 7 (Freq)	Power Line Ch. 8 (Freq)	Power Line Ch. 9 (Freq)	Power Line Ch. 10 (Freq)	Time-up (min)	MTR (%)
				595000	595000	595000	595000	595000	595000	595000	595000	595000	595000		
	Frequency/AM/FM			5950	5955	5960	5965	5970	5975	5980	5985	5990	5995		
1500	F30BFSK	1	1	20.30	20.37	20.42	20.50	20.56	20.64	20.70	20.77	20.82	20.88	27.5	0.0
1500	F30BFSK	1	107	20.02	20.09	20.14	20.22	20.28	20.36	20.42	20.49	20.55	20.61	27.5	0.0
1500	F30BFSK	1	271	20.04	20.10	20.15	20.23	20.29	20.37	20.43	20.50	20.56	20.62	27.5	0.0
1500	F30BFSK	100	0	20.12	20.18	20.23	20.31	20.37	20.45	20.51	20.58	20.64	20.70	27.5	0.0
1500	F30BFSK	100	90	20.10	20.16	20.21	20.29	20.35	20.43	20.49	20.56	20.62	20.68	27.5	0.0
1500	F30BFSK	100	100	20.11	20.17	20.22	20.30	20.36	20.44	20.50	20.57	20.63	20.69	27.5	0.0
1500	CPFSK	1	1	20.00	20.06	20.11	20.19	20.25	20.33	20.39	20.46	20.52	20.58	27.5	0.0
1500	CPFSK	1	107	20.02	20.09	20.14	20.22	20.28	20.36	20.42	20.49	20.55	20.61	27.5	0.0
1500	CPFSK	1	271	20.04	20.10	20.15	20.23	20.29	20.37	20.43	20.50	20.56	20.62	27.5	0.0
1500	CPFSK	100	0	20.12	20.18	20.23	20.31	20.37	20.45	20.51	20.58	20.64	20.70	27.5	0.0
1500	CPFSK	100	90	20.10	20.16	20.21	20.29	20.35	20.43	20.49	20.56	20.62	20.68	27.5	0.0
1500	CPFSK	100	100	20.11	20.17	20.22	20.30	20.36	20.44	20.50	20.57	20.63	20.69	27.5	0.0
1500	CPFSK	270	0	20.04	20.10	20.15	20.23	20.29	20.37	20.43	20.50	20.56	20.62	27.5	0.0
1500	CPFSK	270	1	20.10	20.16	20.21	20.29	20.35	20.43	20.50	20.56	20.62	20.68	27.5	0.0
1500	CPFSK	1	1	20.00	20.06	20.11	20.19	20.25	20.33	20.39	20.46	20.52	20.58	27.5	0.0
1500	CPFSK	1	1	20.10	20.16	20.21	20.29	20.35	20.43	20.50	20.56	20.62	20.68	27.5	0.0



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3199.96			3199.96			3199.96				
100	QPSK	1	1	20.28	20.16	20.16	20.22	20.13	20.19	20.23	20.01	20.13	25.0	0.0
100	QPSK	1	137	20.22	20.13	20.13	20.22	20.13	20.19	20.23	20.01	20.13	25.0	0.0
100	QPSK	1	271	20.23	20.16	20.16	20.23	20.01	20.13	20.19	20.01	20.13	25.0	0.0
100	QPSK	137	0	20.16	20.02	20.02	20.16	20.02	20.10	20.10	20.02	20.10	25.0	0.0
100	QPSK	137	68	20.24	20.08	20.08	20.24	20.08	20.17	20.17	20.08	20.17	25.0	0.0
100	QPSK	137	136	20.13	20.04	20.04	20.13	20.04	20.10	20.10	20.04	20.10	25.0	0.0
100	QPSK	273	0	20.22	20.05	20.05	20.22	20.05	20.15	20.15	20.05	20.15	25.0	0.0
100	16QAM	1	1	20.13	20.15	20.15	20.13	20.15	20.15	20.15	20.15	20.15	25.0	0.0
100	64QAM	1	1	20.13	19.75	19.75	20.13	19.75	22.95	22.95	19.75	22.95	24.5	0.5
100	256QAM	1	1	17.07	16.81	16.81	17.07	16.81	19.95	19.95	16.81	19.95	21.5	3.5

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3190			3190			3190				
100	QPSK	1	1	20.15	20.16	20.16	20.15	20.16	20.16	20.16	20.16	20.16	25.0	0.0
100	QPSK	1	137	20.02	20.13	20.13	20.02	20.13	20.09	20.09	20.13	20.09	25.0	0.0
100	QPSK	1	271	20.00	20.12	20.12	20.00	20.12	20.07	20.07	20.12	20.07	25.0	0.0
100	QPSK	137	0	20.08	20.13	20.13	20.08	20.13	20.12	20.12	20.13	20.12	25.0	0.0
100	QPSK	137	68	20.12	20.16	20.16	20.12	20.16	20.16	20.16	20.16	20.16	25.0	0.0
100	QPSK	137	136	20.07	20.09	20.09	20.07	20.09	20.07	20.07	20.09	20.07	25.0	0.0
100	QPSK	273	0	20.05	20.14	20.14	20.05	20.14	20.13	20.13	20.14	20.13	25.0	0.0
100	16QAM	1	1	20.14	20.05	20.05	20.14	20.05	20.15	20.15	20.05	20.15	25.0	0.0
100	64QAM	1	1	19.85	19.80	19.80	19.85	19.80	22.84	22.84	19.80	22.84	24.5	0.5
100	256QAM	1	1	16.85	17.00	17.00	16.85	17.00	19.94	19.94	17.00	19.94	21.5	3.5



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3499.94			3499.94			3499.94				
100	QPSK	1	1	19.85			19.65			22.75			24.5	0.0
100	QPSK	1	137	19.82			19.53			22.69			24.5	0.0
100	QPSK	1	271	19.81			19.57			22.70			24.5	0.0
100	QPSK	137	0	19.73			19.55			22.65			24.5	0.0
100	QPSK	137	68	19.78			19.55			22.70			24.5	0.0
100	QPSK	137	135	19.74			19.48			22.62			24.5	0.0
100	QPSK	273	0	19.73			19.52			22.64			24.5	0.0
100	16QAM	1	1	19.78			19.50			22.65			24.5	0.0
100	64QAM	1	1	19.74			19.52			22.64			24.5	0.0
100	256QAM	1	1	17.97			17.90			20.05			21.5	-3.0



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3792			3792			3792				
100	QPSK	1	1	19.07	19.05	19.65	19.65	22.65	22.65	24.5	24.5	24.5	24.5	0.0
100	QPSK	1	137	19.61	19.61	19.61	19.61	22.62	22.62	24.5	24.5	24.5	24.5	0.0
100	QPSK	1	271	19.59	19.60	19.60	19.60	22.61	22.61	24.5	24.5	24.5	24.5	0.0
100	QPSK	137	0	19.55	19.58	19.58	19.58	22.58	22.58	24.5	24.5	24.5	24.5	0.0
100	QPSK	137	68	19.55	19.63	19.63	19.63	22.65	22.65	24.5	24.5	24.5	24.5	0.0
100	QPSK	137	136	19.42	19.60	19.60	19.60	22.57	22.57	24.5	24.5	24.5	24.5	0.0
100	QPSK	273	0	19.54	19.55	19.55	19.55	22.61	22.61	24.5	24.5	24.5	24.5	0.0
100	16QAM	1	1	19.60	19.53	19.53	19.53	22.58	22.58	24.5	24.5	24.5	24.5	0.0
100	64QAM	1	1	19.63	19.52	19.52	19.52	22.59	22.59	24.5	24.5	24.5	24.5	0.0
100	256QAM	1	1	19.55	17.95	17.95	17.95	19.95	19.95	21.5	21.5	21.5	21.5	3.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	20.14	20.15	20.15	20.15	23.17	23.17	25.0	25.0	25.0	25.0	0.0
100	QPSK	1	137	20.05	20.12	20.12	20.12	23.10	23.10	25.0	25.0	25.0	25.0	0.0
100	QPSK	1	271	20.05	20.02	20.02	20.02	23.05	23.05	25.0	25.0	25.0	25.0	0.0
100	QPSK	137	0	20.02	20.00	20.00	20.00	23.02	23.02	25.0	25.0	25.0	25.0	0.0
100	QPSK	137	68	20.07	20.04	20.04	20.04	23.07	23.07	25.0	25.0	25.0	25.0	0.0
100	QPSK	137	136	20.02	20.01	20.01	20.01	23.03	23.03	25.0	25.0	25.0	25.0	0.0
100	QPSK	273	0	20.07	20.03	20.03	20.03	23.06	23.06	25.0	25.0	25.0	25.0	0.0
100	16QAM	1	1	20.14	20.03	20.03	20.03	23.10	23.10	24.5	24.5	24.5	24.5	0.5
100	64QAM	1	1	20.00	19.75	19.75	19.75	22.89	22.89	24.5	24.5	24.5	24.5	0.5
100	256QAM	1	1	17.90	16.81	16.81	16.81	19.95	19.95	21.5	21.5	21.5	21.5	3.5



Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				39.50			39.50			39.50				
100	QPSK	1	1	20.10			20.10			20.10				
100	QPSK	1	137	20.11			20.05			23.09			25.0	0.0
100	QPSK	1	271	20.08			20.09			23.10				
100	QPSK	137	0	20.02			20.08			23.06			25.0	0.0
100	QPSK	137	68	20.12			20.17			23.16			25.0	0.0
100	QPSK	137	135	20.08			20.16			23.13			25.0	0.0
100	QPSK	273	0	20.04			20.14			23.10				
100	16QAM	1	1	20.03			20.12			23.09			25.0	0.0
100	64QAM	1	1	19.89			19.89			22.81			24.5	0.5
100	256QAM	1	1	17.50			17.50			20.06			21.5	-3.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	19.67			19.63			22.55			24.5	0.0
100	QPSK	1	137	19.52			19.54			22.54				
100	QPSK	1	271	19.58			19.52			22.56				
100	QPSK	137	0	19.62			19.52			22.58			24.5	0.0
100	QPSK	137	68	19.55			19.58			22.63			24.5	0.0
100	QPSK	137	136	19.53			19.58			22.57			24.5	0.0
100	QPSK	273	0	19.58			19.56			22.58			24.5	0.0
100	16QAM	1	1	19.64			19.59			22.83			24.5	0.0
100	64QAM	1	1	19.57			19.52			22.66			24.5	0.0
100	256QAM	1	1	17.99			17.99			20.96			21.5	3.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3752			3752			3752				
100	QPSK	1	1	19.66			19.66			22.57			24.5	0.0
100	QPSK	1	137	19.53			19.52			22.54				
100	QPSK	1	271	19.55			19.57			22.57				
100	QPSK	137	0	19.60			19.53			22.58			24.5	0.0
100	QPSK	137	68	19.63			19.65			22.65			24.5	0.0
100	QPSK	137	136	19.59			19.62			22.62			24.5	0.0
100	QPSK	273	0	19.53			19.59			22.57			24.5	0.0
100	16QAM	1	1	19.51			19.61			22.57			24.5	0.0
100	64QAM	1	1	19.62			19.25			22.60			24.5	0.0
100	256QAM	1	1	17.90			17.95			20.98			21.5	3.0



Reduced Power Mode for DSIS UL MIMO

n2				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	PV2 BPSK	1	1	22.48	22.55	22.46	22.10	22.13	22.02	25.30	25.36	25.26		
40	PV2 BPSK	1	108	22.49	22.49	22.53	22.03	22.13	22.07	25.28	25.32	25.32	26.5	0.0
40	PV2 BPSK	1	214	22.56	22.46	22.40	21.99	22.01	22.03	25.29	25.25	25.23		
40	PV2 BPSK	108	0	21.51	21.70	21.62	21.59	21.65	21.53	24.61	24.69	24.69	26.0	0.5
40	PV2 BPSK	108	54	22.42	22.53	22.45	21.96	22.03	22.11	25.21	25.30	25.29	26.5	0.0
40	PV2 BPSK	108	108	21.79	21.80	21.72	21.61	21.72	21.57	24.71	24.77	24.66		
40	PV2 BPSK	216	0	21.79	21.88	21.73	21.66	21.69	21.56	24.74	24.80	24.66	26.0	0.5
40	QPSK	1	1	22.99	22.90	22.95	22.11	22.14	22.12	25.35	25.39	25.35		
40	QPSK	1	108	22.47	22.55	22.44	22.03	22.12	22.07	25.27	25.35	25.27	26.5	0.0
40	QPSK	1	214	22.49	22.45	22.43	22.03	22.10	22.02	25.28	25.29	25.24		
40	QPSK	108	0	21.13	21.15	21.11	21.12	21.17	21.07	24.14	24.17	24.10	25.5	1.0
40	QPSK	108	54	22.45	22.48	22.48	21.99	22.09	22.05	25.24	25.30	25.28	26.5	0.0
40	QPSK	108	108	21.99	21.19	21.16	21.13	21.15	21.05	24.12	24.18	24.09		
40	QPSK	216	0	21.13	21.20	21.14	21.17	21.20	21.16	24.16	24.21	24.16	25.5	1.0
40	16QAM	1	1	21.58	21.65	21.60	21.06	21.16	21.05	24.34	24.42	24.34	25.5	1.0
40	64QAM	1	1	19.86	20.00	19.99	19.51	19.65	19.51	22.70	22.84	22.77	24.5	2.0
40	256QAM	1	1	17.60	17.70	17.61	17.59	17.66	17.56	20.61	20.69	20.61	22.5	4.0

n2				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	PV2 BPSK	1	1	22.43	22.55	22.53	22.25	22.33	22.26	25.35	25.45	25.41		
40	PV2 BPSK	1	108	22.43	22.56	22.47	22.33	22.30	22.32	25.39	25.44	25.41	26.5	0.0
40	PV2 BPSK	1	214	22.48	22.60	22.51	22.34	22.33	22.35	25.42	25.48	25.44		
40	PV2 BPSK	108	0	21.61	21.70	21.62	21.66	22.00	21.93	24.76	24.86	24.79	26.0	0.5
40	PV2 BPSK	108	54	22.41	22.50	22.50	22.36	22.35	22.22	25.40	25.49	25.37	26.5	0.0
40	PV2 BPSK	108	108	21.79	21.80	21.72	21.86	21.98	21.96	24.83	24.90	24.85		
40	PV2 BPSK	216	0	21.79	21.88	21.73	21.80	21.95	21.93	24.81	24.93	24.84	26.0	0.5
40	QPSK	1	1	22.55	22.64	22.65	22.38	22.42	22.36	25.48	25.54	25.49		
40	QPSK	1	108	22.40	22.56	22.57	22.37	22.35	22.28	25.40	25.44	25.43	26.5	0.0
40	QPSK	1	214	22.42	22.52	22.59	22.34	22.35	22.23	25.39	25.45	25.42		
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35	25.5	1.0
40	QPSK	108	54	22.52	22.61	22.45	22.34	22.38	22.30	25.44	25.51	25.39	26.5	0.0
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35		
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34	25.5	1.0
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.0
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.0
40	256QAM	1	1	17.60	17.70	17.61	17.62	17.67	17.56	20.72	20.85	20.80	22.5	4.0



n2				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1885	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.48	22.57	22.50	25.84	25.73	25.66	27.0	0.0
40	PI2 BPSK	1	108	22.86	22.75	22.60	22.50	22.52	22.50	25.99	25.85	25.56		
40	PI2 BPSK	1	214	22.69	22.80	22.68	22.52	22.56	22.50	25.62	25.69	25.60		
40	PI2 BPSK	108	0	21.61	21.62	21.56	21.59	21.65	21.63	24.61	24.65	24.56	26.0	1.0
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.46	22.55	22.42	25.66	25.73	25.59	27.0	0.0
40	PI2 BPSK	108	108	21.56	21.70	21.64	21.61	21.72	21.67	24.80	24.72	24.62	26.0	1.0
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.56		
40	QPSK	1	1	22.84	22.59	22.59	22.52	22.60	22.55	25.69	25.76	25.73	27.0	0.0
40	QPSK	1	108	22.83	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.59		
40	QPSK	1	214	22.70	22.80	22.78	22.40	22.50	22.35	25.56	25.66	25.58		
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36	26.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.52	22.51	25.61	25.70	25.62	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35	26.5	1.5
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.36	26.5	1.5
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.06	24.40	24.53	24.41	26.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	34.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	4.5

n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	22.51	22.60	22.52	22.28	22.37	22.38	25.41	25.50	25.46	26.5	0.0
40	PI2 BPSK	1	108	22.54	22.55	22.59	22.28	22.32	22.36	25.42	25.45	25.49		
40	PI2 BPSK	1	214	22.56	22.68	22.63	22.35	22.28	22.32	25.47	25.49	25.49		
40	PI2 BPSK	108	0	21.59	21.56	21.61	21.63	21.67	21.62	24.77	24.83	24.73	26.0	0.5
40	PI2 BPSK	108	54	22.81	22.85	22.85	22.28	22.42	22.28	25.46	25.55	25.47	26.5	0.0
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.60	21.75	21.71	24.74	24.84	24.75	26.0	0.5
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.61	21.70	21.63	24.71	24.79	24.70		
40	QPSK	1	1	22.94	22.70	22.66	22.40	22.43	22.41	25.53	25.58	25.55	26.5	0.0
40	QPSK	1	108	22.55	22.68	22.52	22.34	22.42	22.28	25.46	25.56	25.41		
40	QPSK	1	214	22.49	22.97	22.85	22.36	22.39	22.33	25.44	25.49	25.50		
40	QPSK	108	0	21.49	21.55	21.47	21.09	21.17	21.14	24.30	24.37	24.32	26.5	1.0
40	QPSK	108	54	22.56	22.63	22.59	22.25	22.40	22.37	25.42	25.53	25.49	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.36	21.09	21.13	21.09	24.28	24.33	24.23	26.5	1.0
40	QPSK	216	0	21.43	21.45	21.30	21.02	21.05	21.04	24.24	24.31	24.19	26.5	1.0
40	16QAM	1	1	21.94	21.66	21.54	21.15	21.30	21.18	24.36	24.49	24.37	26.5	1.0
40	64QAM	1	1	20.22	20.25	20.14	19.84	19.88	19.77	23.04	23.08	22.97	34.5	2.0
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.81	20.74	20.64	22.5	4.0



n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895		
40	PI2 BPSK	1	1	22.48	22.54	22.52	22.91	23.01	22.99	25.71	25.79	25.77		
40	PI2 BPSK	1	108	22.50	22.62	22.48	22.99	22.96	23.02	25.76	25.80	25.77	26.5	0.0
40	PI2 BPSK	1	214	22.51	22.66	22.59	22.73	23.03	23.04	25.83	25.86	25.83		
40	PI2 BPSK	108	0	21.99	21.96	21.81	21.87	22.12	22.10	24.89	25.05	24.97	26.0	0.5
40	PI2 BPSK	108	54	22.55	22.66	22.50	22.94	22.95	23.00	25.76	25.82	25.77	26.5	0.0
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.84	22.21	22.22	24.91	25.07	25.01		
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92	26.0	0.5
40	QPSK	1	1	22.55	22.67	22.63	23.00	23.00	23.06	25.81	25.90	25.86		
40	QPSK	1	108	22.44	22.52	22.55	22.86	22.87	22.86	25.67	25.76	25.77	26.5	0.0
40	QPSK	1	214	22.49	22.55	22.52	22.85	23.09	23.06	25.68	25.84	25.81		
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47	25.5	1.0
40	QPSK	108	54	22.57	22.63	22.35	22.34	23.08	23.06	25.77	25.87	25.83	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43	25.5	1.0
40	QPSK	216	0	21.43	21.45	21.38	21.16	21.43	21.40	24.21	24.45	24.36		
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.83	21.79	24.56	24.76	24.68	25.5	1.0
40	16QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28	24.5	2.0
40	256QAM	1	1	17.69	17.80	17.89	17.77	18.03	18.02	20.74	20.93	20.87	22.5	4.0

n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000		
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895		
40	PI2 BPSK	1	1	23.23	23.63	23.57	22.86	22.94	22.89	25.06	25.31	25.25		
40	PI2 BPSK	1	108	23.04	23.45	23.43	22.76	22.80	22.79	25.91	25.15	25.13	27.0	0.0
40	PI2 BPSK	1	214	23.21	23.61	23.54	22.62	22.76	22.73	25.94	25.22	25.16		
40	PI2 BPSK	108	0	21.99	22.38	22.33	21.63	21.67	21.62	24.82	25.05	25.00	26.0	1.0
40	PI2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.89	25.11	25.04	27.0	0.0
40	PI2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09		
40	PI2 BPSK	216	0	22.00	22.40	22.33	21.81	21.70	21.63	24.82	25.07	25.00	26.0	1.0
40	QPSK	1	1	22.25	22.67	22.64	22.85	22.88	22.83	25.11	25.35	25.31		
40	QPSK	1	108	23.19	23.56	23.53	22.70	22.83	22.80	25.86	25.24	25.19	27.0	0.0
40	QPSK	1	214	23.19	23.62	23.57	22.70	22.80	22.79	25.96	25.24	25.21		
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	1.5
40	QPSK	108	54	22.98	23.38	23.35	22.77	22.79	22.73	25.89	25.11	25.05	27.0	0.0
40	QPSK	108	108	21.94	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	1.5
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34		
40	16QAM	1	1	21.69	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	1.5
40	16QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	2.5
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	4.5



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				345000	345000	345000	346000	346000	346000	346000	346000	346000	346000	27.0	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	22.10	22.25	22.11	22.81	22.96	22.81	25.48	25.63	25.48	27.0	0.0	
40	PV2 BPSK	1	108	22.17	22.18	22.11	22.80	22.90	22.80	25.51	25.57	25.48			
40	PV2 BPSK	1	214	22.21	22.22	22.11	22.90	22.94	22.84	25.58	25.61	25.50			
40	PV2 BPSK	108	0	22.07	22.15	22.00	21.62	21.70	21.62	24.86	24.94	24.82	26.0	1.0	
40	PV2 BPSK	108	54	23.09	23.17	23.10	22.86	22.93	22.85	26.00	26.06	25.99	27.0	0.0	
40	PV2 BPSK	108	108	21.96	22.10	22.09	21.58	21.50	21.50	24.78	24.89	24.82	26.0	1.0	
40	PV2 BPSK	216	0	22.19	22.20	22.17	21.55	21.69	21.61	24.89	24.96	24.91	27.0	0.0	
40	QPSK	1	1	23.24	23.30	23.26	22.96	22.90	22.95	26.11	26.16	26.14			
40	QPSK	1	108	23.14	23.19	23.06	22.76	22.90	22.81	25.96	26.06	25.95			
40	QPSK	1	214	23.13	23.15	23.08	22.86	22.93	22.78	26.02	26.05	25.94	27.0	0.0	
40	QPSK	108	0	21.69	21.66	21.51	21.13	21.16	21.01	24.38	24.43	24.28			
40	QPSK	108	54	23.13	23.20	23.05	22.80	22.89	22.84	25.98	26.05	25.95			
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.30	24.40	24.36	25.5	1.5	
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.15	21.00	24.33	24.38	24.25	25.5	1.5	
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46			
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04			
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	4.5	

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				345000	345000	345000	346000	346000	346000	346000	346000	346000	346000	27.0	0.0
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760			
40	PV2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.64	26.28	26.51	26.46	27.0	0.0	
40	PV2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54			
40	PV2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40			
40	PV2 BPSK	108	0	23.04	23.09	23.01	22.14	22.55	22.49	25.10	25.24	25.27	26.0	1.0	
40	PV2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0	
40	PV2 BPSK	108	108	22.05	22.12	22.07	22.14	22.56	22.52	25.11	25.36	25.31	26.0	1.0	
40	PV2 BPSK	216	0	22.08	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25			
40	QPSK	1	1	23.33	23.39	23.33	23.41	23.81	23.75	26.58	26.62	26.58			
40	QPSK	1	108	23.22	23.31	23.22	23.32	23.74	23.73	26.29	26.54	26.50	27.0	0.0	
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51			
40	QPSK	108	0	21.24	21.30	21.27	21.20	21.68	21.64	24.28	24.50	24.47			
40	QPSK	108	54	23.23	23.37	23.31	23.70	23.66	26.51	26.55	26.50	27.0	0.0		
40	QPSK	108	108	21.36	21.42	21.38	21.36	21.75	21.69	24.37	24.60	24.55	25.5	1.5	
40	QPSK	216	0	21.22	21.26	21.24	21.30	21.68	21.67	24.27	24.50	24.47	25.5	1.5	
40	16QAM	1	1	21.66	21.72	21.64	21.76	22.14	22.11	24.72	24.95	24.89			
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40			
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	4.5	



n66				Ant 0			Ant 3			Ant 0+3			Tune-up Amt (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346600	346900	347200	346600	346900	347200	346600	346900	347200		
Frequency (MHz)				17.20	17.45	17.60	17.20	17.45	17.60	17.20	17.45	17.60		
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12	27.0	0.0
40	PI2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11		
40	PI2 BPSK	1	214	23.30	23.40	23.35	22.80	22.94	22.84	26.11	26.19	26.11		
40	PI2 BPSK	108	0	23.68	23.69	23.67	21.62	21.70	21.62	25.19	25.23	25.19	26.0	1.0
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0
40	PI2 BPSK	108	108	22.60	22.65	22.67	21.68	21.60	21.50	25.13	25.19	25.08	26.0	1.0
40	PI2 BPSK	216	0	22.69	22.70	22.67	21.95	21.89	21.61	25.17	25.23	25.13		
40	QPSK	1	1	23.46	23.50	23.43	22.95	23.09	22.98	26.22	26.27	26.22		
40	QPSK	1	108	23.37	23.44	23.38	22.75	22.80	22.81	26.08	26.19	26.12	27.0	0.0
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05		
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54		
40	QPSK	108	54	23.34	23.45	23.39	22.89	22.94	22.89	26.19	26.13	26.13	27.0	0.0
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.57	24.68	24.58	25.5	1.5
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.10	21.00	24.64	24.72	24.58	25.5	1.5
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76		
40	16QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31		
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Time-up limit (dBm)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq.)	Power Mittle Ch. (Freq.)	Power High Ch. (Freq.)	FCC Power Low Ch. (Freq.)	Power Mittle Ch. (Freq.)	Power High Ch. (Freq.)	FCC Power Low Ch. (Freq.)	Power Mittle Ch. (Freq.)	Power High Ch. (Freq.)		
Channel				569202	518598	528008	569202	518598	528008	569202	518598	528008		
Frequency (MHz)				2340.8	2327.6	2344	2340.8	2327.6	2344	2340.8	2327.6	2344	2340.8	2327.6
100	PI2-BPSK	1	1	22.80	23.36	23.23	22.55	22.91	22.86	25.74	26.16	26.56		
100	PI2-BPSK	1	137	22.76	23.20	23.15	22.63	22.62	22.75	25.71	26.02	25.96	27.0	
100	PI2-BPSK	1	271	22.60	23.02	23.08	22.51	22.68	22.77	25.67	25.88	25.94		
100	PI2-BPSK	155	5	22.66	23.15	23.12	22.44	22.75	22.63	25.57	25.96	25.89	27.0	
100	PI2-BPSK	155	69	22.72	23.27	23.32	22.63	22.77	22.81	25.69	26.04	26.08	27.0	
100	PI2-BPSK	155	159	22.61	23.03	23.19	22.41	22.68	22.58	25.52	25.88	25.85	27.0	
100	PI2-BPSK	210	5	22.59	23.16	23.22	22.57	22.68	22.60	25.59	25.94	25.93	27.0	
100	QPSK	1	1	22.52	23.44	23.37	22.77	23.04	22.94	25.67	26.25	26.31		
100	QPSK	1	137	22.48	23.36	23.49	22.91	22.91	22.79	25.60	26.12	26.08	27.0	
100	QPSK	1	271	22.75	23.15	23.17	22.58	22.76	22.77	25.66	25.86	25.88		
100	QPSK	155	5	22.74	23.28	23.22	22.59	22.79	22.73	25.68	26.04	25.99	27.0	
100	QPSK	155	69	22.67	23.28	23.34	22.69	22.86	22.81	25.78	26.14	26.18	27.0	
100	QPSK	155	159	22.69	23.17	23.18	22.47	22.74	22.64	25.59	25.97	25.93	27.0	
100	QPSK	270	5	22.68	23.27	23.24	22.65	22.83	22.72	25.68	26.07	26.00	27.0	
100	HQAM	1	1	22.52	23.28	23.34	22.84	22.98	22.74	25.79	26.19	26.28	27.0	
100	HQAM	1	1	22.90	23.36	23.35	22.65	22.91	22.74	25.79	26.15	26.07	27.0	
100	SSBQAM	1	1	23.64	21.19	21.25	20.84	20.88	20.85	23.80	24.05	23.97	25.5	

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Time-up limit (dBm)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq.)	Power Mittle Ch. (Freq.)	Power High Ch. (Freq.)	FCC Power Low Ch. (Freq.)	Power Mittle Ch. (Freq.)	Power High Ch. (Freq.)	FCC Power Low Ch. (Freq.)	Power Mittle Ch. (Freq.)	Power High Ch. (Freq.)		
Channel				569202	518598	528008	569202	518598	528008	569202	518598	528008		
Frequency (MHz)				2340.8	2327.6	2344	2340.8	2327.6	2344	2340.8	2327.6	2344	2340.8	2327.6
100	PI2-BPSK	1	1	25.84	26.33	26.28	25.65	25.92	25.77	28.81	29.14	29.54		
100	PI2-BPSK	1	137	25.24	25.81	25.87	25.05	25.32	25.19	28.58	28.48	28.39	30.0	
100	PI2-BPSK	1	271	25.39	25.77	25.70	25.08	25.26	25.11	28.25	28.54	28.43		
100	PI2-BPSK	155	5	24.98	24.84	24.78	24.24	24.52	24.37	27.42	27.69	27.59	29.0	
100	PI2-BPSK	155	69	25.25	25.62	25.58	25.08	25.21	25.06	28.58	28.44	28.34	30.0	
100	PI2-BPSK	155	159	24.54	24.73	24.71	24.25	24.61	24.33	27.40	27.63	27.63	29.0	
100	PI2-BPSK	210	5	24.54	24.95	24.92	24.28	24.56	24.36	27.42	27.77	27.67	29.0	
100	QPSK	1	1	25.02	26.44	26.40	25.01	26.12	26.04	28.29	28.29	28.11		
100	QPSK	1	137	25.18	26.13	26.09	24.45	25.74	25.55	28.60	28.59	28.45	30.0	
100	QPSK	1	271	25.35	25.96	25.94	25.23	25.48	25.31	28.61	28.74	28.65		
100	QPSK	155	5	24.31	24.89	24.85	24.02	24.52	24.14	27.58	27.52	27.41	28.5	
100	QPSK	155	69	24.67	24.87	24.82	24.25	24.51	24.36	28.61	28.71	28.62	29.0	
100	QPSK	155	159	24.07	24.46	24.40	24.03	24.28	24.11	27.08	27.38	27.27	29.4	
100	QPSK	270	5	24.25	24.84	24.80	24.04	24.20	24.03	27.58	27.44	27.33	29.0	
100	HQAM	1	1	25.49	25.88	25.85	25.16	25.44	25.26	28.38	28.68	28.38	29.0	
100	HQAM	1	1	25.92	25.73	25.71	25.18	25.45	25.35	28.27	28.61	28.53	27.5	
100	SSBQAM	1	1	25.95	21.34	21.32	20.89	20.98	20.80	23.83	24.17	24.09	25.5	



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.81	224.82	224.83	224.81	224.82	224.83	224.81	224.82	224.83		
100	PI2-BPSK	1	1	22.41	22.84	22.88	22.98	22.98	22.76	22.96	22.97	22.83		
100	PI2-BPSK	1	137	22.18	22.84	22.87	22.81	22.85	22.86	22.41	22.86	22.83	27.0	0.0
100	PI2-BPSK	1	271	22.15	22.67	22.80	22.47	22.77	22.64	22.32	22.73	22.73		
100	PI2-BPSK	135	5	22.05	22.75	22.75	22.51	22.76	22.57	22.30	22.74	22.67	27.0	0.0
100	PI2-BPSK	135	89	22.26	22.67	22.81	22.50	22.85	22.86	22.39	22.67	22.70	27.0	0.0
100	PI2-BPSK	135	138	22.05	22.67	22.89	22.26	22.69	22.46	22.19	22.67	22.69	27.0	0.0
100	PI2-BPSK	215	5	22.21	22.85	22.82	22.43	22.77	22.75	22.33	22.80	22.85		
100	QPSK	1	1	22.46	22.64	22.62	22.29	22.55	22.21	22.32	22.59	22.59		
100	QPSK	1	137	22.32	22.64	22.61	22.69	22.78	22.51	22.96	22.96	22.78	27.0	0.0
100	QPSK	1	271	22.24	22.52	22.89	22.54	22.92	22.64	22.40	22.88	22.78		
100	QPSK	135	5	22.18	22.60	22.88	22.28	22.88	22.38	22.89	22.78	27.0	0.0	
100	QPSK	135	89	22.15	22.69	22.85	22.25	22.85	22.37	22.87	22.87	27.0	0.0	
100	QPSK	135	138	22.12	22.78	22.76	22.43	22.77	22.55	22.29	22.78	22.67	27.0	0.0
100	QPSK	215	5	22.27	22.53	22.85	22.53	22.83	22.81	22.41	22.52	22.84		
100	SSB-AM	1	1	22.46	22.64	22.63	22.29	22.52	22.27	22.59	22.59	22.59	27.0	0.0
100	SSB-AM	1	1	22.32	22.58	22.96	22.64	22.94	22.88	22.49	22.52	22.53	27.0	0.0
100	SSB-AM	1	1	22.35	22.14	22.11	22.29	22.69	21.29	22.88	24.08	24.32	22.5	1.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.81	224.82	224.83	224.81	224.82	224.83	224.81	224.82	224.83		
100	PI2-BPSK	1	1	22.43	22.97	22.92	22.72	22.94	22.92	22.92	22.92	22.92		
100	PI2-BPSK	1	137	22.43	22.86	22.40	22.62	22.17	22.03	22.04	22.33	22.23	30.0	0.0
100	PI2-BPSK	1	271	22.01	22.45	22.40	22.03	22.16	22.03	22.04	22.32	22.23		
100	PI2-BPSK	135	5	22.52	22.64	22.62	22.67	22.71	22.96	27.86	27.89	27.81	29.0	1.0
100	PI2-BPSK	135	89	22.00	22.22	22.18	22.67	22.11	22.07	22.05	22.18	22.14	30.0	0.0
100	PI2-BPSK	135	138	22.14	22.65	22.58	22.38	22.48	22.46	22.27	22.63	22.63	29.0	1.0
100	PI2-BPSK	215	5	22.25	22.50	22.88	22.38	22.62	22.48	22.33	22.62	27.80		
100	QPSK	1	1	22.32	22.20	22.30	22.23	22.05	22.01	22.02	22.05	22.07		
100	QPSK	1	137	22.08	22.21	22.45	22.21	22.29	22.46	22.21	22.33	22.44	30.0	0.0
100	QPSK	1	271	22.00	22.44	22.40	22.15	22.42	22.27	22.11	22.44	22.32		
100	QPSK	135	5	22.09	22.61	22.57	22.37	22.37	22.44	27.24	27.60	27.52	28.5	1.8
100	QPSK	135	89	22.04	22.64	22.61	22.34	22.34	22.34	22.34	22.34	22.34	28.0	0.0
100	QPSK	135	138	22.01	22.35	22.20	22.09	22.20	22.10	22.08	22.29	22.21	28.0	1.0
100	QPSK	215	5	22.01	22.52	22.48	22.01	22.23	22.12	22.02	22.30	22.31		
100	SSB-AM	1	1	22.55	22.38	22.51	22.28	22.54	22.42	22.20	22.50	22.49	29.0	1.0
100	SSB-AM	1	1	22.02	22.54	22.48	22.25	22.45	22.38	22.15	22.52	22.41	27.5	2.5
100	SSB-AM	1	1	22.87	21.19	21.13	20.81	21.01	20.87	22.70	24.11	24.01	22.5	4.5



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.		
Channel				505002	518008	528000	505002	518008	528000	505002	518008	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80		
100	PI2-BPSK	1	1	22.70	23.11	22.98	22.66	23.06	22.94	23.69	23.07	23.77		
100	PI2-BPSK	1	137	22.60	22.94	22.73	22.45	22.79	22.43	23.34	23.81	23.99	27.0	0.0
100	PI2-BPSK	135	5	22.49	22.86	22.76	22.47	22.85	22.55	23.49	23.99	23.64	27.0	0.0
100	PI2-BPSK	135	69	22.61	23.03	22.83	22.59	22.99	22.80	23.60	23.92	23.73	27.0	0.0
100	PI2-BPSK	135	139	22.58	22.81	22.73	22.52	22.81	22.47	23.36	23.82	23.82	27.0	0.0
100	PI2-BPSK	235	5	22.57	22.86	22.80	22.52	22.82	22.47	23.59	23.87	23.65		
100	QPSK	1	1	22.79	23.10	23.04	22.77	23.10	22.80	23.77	23.14	23.27	27.0	0.0
100	QPSK	1	137	22.73	23.04	22.89	22.60	22.87	22.65	23.79	23.82	23.78		
100	QPSK	1	271	22.65	22.92	22.79	22.54	22.83	22.51	23.81	23.89	23.88		
100	QPSK	135	5	22.58	23.04	22.85	22.59	22.87	22.59	23.57	23.82	23.73	27.0	0.0
100	QPSK	135	69	22.68	23.05	22.87	22.62	22.95	22.60	23.69	23.87	23.80		
100	QPSK	135	139	22.46	22.81	22.75	22.45	22.88	22.52	23.44	23.91	23.65	27.0	0.0
100	QPSK	235	5	22.92	23.05	22.93	22.58	22.68	22.53	23.81	23.87	23.74		
100	SSB-AM	1	1	22.71	23.10	23.01	22.81	23.09	22.88	23.87	23.15	23.26	27.0	0.0
100	SSB-AM	1	1	22.79	23.13	23.08	22.82	23.02	22.85	23.72	23.89	23.84	27.0	0.0
100	SSB-AM	1	1	20.38	20.71	20.57	20.64	20.47	20.63	21.83	23.76	23.81	25.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.		
Channel				505002	518008	528000	505002	518008	528000	505002	518008	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80		
100	PI2-BPSK	1	1	23.82	24.33	23.92	23.73	24.05	23.73	24.79	25.10	24.84	30.0	0.0
100	PI2-BPSK	1	137	23.30	23.59	23.39	23.19	23.52	23.00	23.26	23.46	23.21		
100	PI2-BPSK	1	271	23.21	23.53	23.34	23.05	23.36	23.01	23.44	23.46	23.19		
100	PI2-BPSK	135	5	24.52	24.81	24.69	24.00	24.51	24.17	27.33	27.87	27.59	30.0	1.0
100	PI2-BPSK	135	69	23.20	23.52	23.34	23.12	23.26	23.15	23.17	23.40	23.20	30.0	0.0
100	PI2-BPSK	135	139	24.29	24.52	24.31	24.07	24.11	24.07	27.17	27.34	27.25	29.0	1.0
100	PI2-BPSK	235	5	24.36	24.71	24.51	24.17	24.30	24.16	27.26	27.52	27.35		
100	QPSK	1	1	23.82	24.30	23.92	23.80	23.34	23.79	23.54	23.17	23.20	30.0	0.0
100	QPSK	1	137	23.79	23.87	23.69	23.10	23.69	23.10	23.78	23.86	23.71		
100	QPSK	1	271	23.50	23.58	23.30	23.01	23.30	23.00	23.18	23.46	23.10		
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.8
100	QPSK	135	69	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50	23.50		
100	QPSK	135	139	24.06	24.30	24.00	24.03	24.11	24.04	27.03	27.22	27.05	28.0	1.0
100	QPSK	235	5	24.02	24.21	24.08	24.21	24.20	24.23	27.13	27.25	27.17		
100	SSB-AM	1	1	23.00	23.20	23.10	23.09	23.18	23.04	23.09	23.27	23.03	28.0	1.8
100	SSB-AM	1	1	23.02	23.31	23.10	22.90	23.22	22.87	23.97	23.28	23.03	27.5	2.5
100	SSB-AM	1	1	20.38	20.78	20.59	20.67	20.76	20.83	23.83	23.78	23.62	25.5	4.5



Part96_n48				Ant 4			Ant 8			Ant 4+8					
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98			
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.45	22.71	22.74	22.66	24.0	0.0	
40	QPSK	1	63	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48			
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59			
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.85	20.99	21.11	21.02	22.5	1.5	
40	QPSK	53	27	19.97	19.93	19.96	19.22	19.25	19.19	22.57	22.65	22.57	24.0	0.0	
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5	
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25			
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5	
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5	
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	4.5	

Part96_n48				Ant 4			Ant 6			Ant 4+6					
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98			
40	QPSK	1	1	19.41	19.53	19.45	17.60	17.71	17.61	21.61	21.72	21.64	23.5	0.0	
40	QPSK	1	63	19.38	19.42	19.44	17.48	17.57	17.55	21.54	21.60	21.61			
40	QPSK	1	104	19.39	19.38	19.42	17.52	17.63	17.56	21.57	21.60	21.60			
40	QPSK	53	0	18.21	18.32	18.21	16.63	16.69	16.72	20.50	20.59	20.54	22.5	1.0	
40	QPSK	53	27	19.32	19.42	19.40	17.49	17.66	17.53	21.51	21.64	21.56	23.5	0.5	
40	QPSK	53	53	18.29	18.34	18.29	16.64	16.70	16.63	20.55	20.61	20.55	22.5	1.0	
40	QPSK	106	0	18.53	18.60	18.46	16.63	16.71	16.65	20.69	20.77	20.66			
40	16QAM	1	1	19.26	19.37	19.23	17.58	17.66	17.63	21.51	21.61	21.51	23.5	0.0	
40	64QAM	1	1	17.34	17.36	17.31	16.75	16.81	16.73	19.63	19.66	19.60	21.5	2.0	
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.01	17.05	17.00	19.5	4.0	



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3390	3624.99	3859.98	3910	3924.99	3939.98	3970	3984.99	3999.98		
40	QPSK	1	1	19.40	19.46	19.53	19.45	19.47	19.40	22.44	22.48	22.40	24.0	0.0
40	QPSK	1	53	19.27	19.27	19.30	19.19	19.25	19.12	22.24	22.27	22.22		
40	QPSK	1	104	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34		
40	QPSK	53	0	17.81	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	1.5
40	QPSK	53	27	19.33	19.43	19.28	19.25	19.30	19.19	22.26	22.29	22.26	24.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	1.5
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		
40	16QAM	1	1	19.08	19.10	19.03	18.93	19.09	18.98	22.02	22.11	22.02	23.5	0.5
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	2.5
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.65	17.68	17.63	19.5	4.5

Part96_n48				Ant 3			Ant 6			Ant 3+6			Tune-up limit (dBm)	MPR (dB)	
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332
Frequency (MHz)				3390	3624.99	3859.98	3970	3984.99	3999.98	3970	3984.99	3999.98	3970	3984.99	3999.98
40	QPSK	1	1	17.85	17.90	17.88	16.35	16.41	16.38	20.17	20.23	20.20	22.0	0.0	
40	QPSK	1	53	17.82	17.87	17.78	16.26	16.39	16.25	20.12	20.20	20.09	22.0	0.0	
40	QPSK	1	104	17.72	17.82	17.85	16.32	16.37	16.35	20.09	20.17	20.17	22.0	0.0	
40	QPSK	53	0	17.73	17.77	17.72	16.23	16.24	16.32	20.05	20.08	20.09	22.0	0.0	
40	QPSK	53	27	17.76	17.86	17.86	16.26	16.33	16.26	20.06	20.20	20.19	22.0	0.0	
40	QPSK	53	53	17.74	17.85	17.84	16.23	16.24	16.16	20.06	20.13	20.09	22.0	0.0	
40	QPSK	106	0	17.75	17.87	17.83	16.25	16.33	16.32	20.10	20.18	20.15			
40	16QAM	1	1	17.71	17.87	17.87	16.30	16.38	16.30	20.07	20.20	20.17	22.0	0.0	
40	64QAM	1	1	17.11	17.13	17.01	15.46	15.51	15.41	19.37	19.41	19.29	21.0	1.0	
40	256QAM	1	1	14.90	15.00	14.96	13.15	13.19	13.07	17.12	17.20	17.10	19.0	3.0	



Part270_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-up (hrs)	MPTD (dB)
Cell ID	Modem	IS Num	IS Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class		
				Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.		
Frequency (MHz)				3700	3800	3900	3950	3950	3950	3950	3950	3950		
100	PCB05G	1	1	21.08	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	PCB05G	1	107	22.00	22.00	22.11	21.08	22.08	22.08	22.08	22.10	22.10	20.0	0.0
100	PCB05G	1	107	21.88	22.00	22.00	21.07	22.02	22.02	22.02	22.02	22.02	20.0	0.0
100	PCB05G	105	8	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	PCB05G	105	105	22.08	22.20	22.19	21.06	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	PCB05G	105	105	22.16	22.00	22.14	21.08	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	PCB05G	200	0	22.00	22.00	22.10	21.00	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	CP5A	1	1	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	CP5A	1	107	22.00	22.10	22.11	22.07	22.10	22.10	22.10	22.14	22.00	20.0	0.0
100	CP5A	1	107	22.08	22.00	22.00	22.08	22.08	22.08	22.08	22.08	22.08	20.0	0.0
100	CP5A	105	8	22.10	22.10	22.10	21.00	22.10	22.10	22.10	22.10	22.10	20.0	0.0
100	CP5A	105	105	22.10	22.20	22.10	22.10	22.10	22.10	22.10	22.10	22.10	20.0	0.0
100	CP5A	105	105	22.08	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	20.0	0.0
100	CP5A	200	0	22.00	22.00	22.00	22.07	22.10	22.10	22.10	22.10	22.10	20.0	0.0
100	CP5A	1	1	22.00	22.10	22.00	22.07	22.10	22.10	22.10	22.10	22.10	20.0	0.0
100	CP5A	1	1	22.07	22.00	22.10	21.00	22.00	22.00	22.00	22.00	22.10	20.0	0.0
100	CP5A	1	0	22.07	22.00	22.00	22.00	22.00	22.00	22.00	22.10	22.10	20.0	0.0



Part27Q_n77(PC2)				Ant 3				Ant 6				Ant 3+6				Time-up time (min)	MPD (dB)
Dist. Power	Modulation	FR Data	FR Offset	Power Level (Ch. 1/Freq)	Power Level (Ch. 2/Freq)	Power Level (Ch. 3/Freq)	Power Level (Ch. 4/Freq)	Power Level (Ch. 1/Freq)	Power Level (Ch. 2/Freq)	Power Level (Ch. 3/Freq)	Power Level (Ch. 4/Freq)	Power Level (Ch. 1/Freq)	Power Level (Ch. 2/Freq)	Power Level (Ch. 3/Freq)	Power Level (Ch. 4/Freq)		
Channel																	
Frequency (MHz)																	
100	FDD-B3	1	1	25.20				20.00									
100	FDD-B3	1	1	22.60				22.00									
100	FDD-B3	1	197	22.60				22.00							20.5	0.0	
100	FDD-B3	1	271	22.60				22.00									
100	FDD-B3	105	0	22.60				22.00							20.5	0.0	
100	FDD-B3	105	80	22.60				22.00							20.5	0.0	
100	FDD-B3	105	150	22.60				22.00							20.5	0.0	
100	FDD-B3	200	0	22.60				22.00							20.5	0.0	
100	CPSC	1	1	22.60				22.00									
100	CPSC	1	197	22.60				22.00							20.5	0.0	
100	CPSC	1	271	22.60				22.00									
100	CPSC	105	0	22.60				22.00							20.5	0.0	
100	CPSC	105	80	22.60				22.00							20.5	0.0	
100	CPSC	105	150	22.60				22.00							20.5	0.0	
100	CPSC	200	0	22.60				22.00							20.5	0.0	
100	TDD-M	1	1	22.60				22.00							20.5	0.0	
100	TDD-M	1	1	22.60				22.00							20.5	0.0	
100	TDD-M	0	1	20.00				20.00							20.0	1.0	

Part27Q_n77(PC1.5)				Ant 3				Ant 6				Ant 3+6				Time-up time (min)	MPD (dB)
Dist. Power	Modulation	FR Data	FR Offset	Power Level (Ch. 1/Freq)	Power Level (Ch. 2/Freq)	Power Level (Ch. 3/Freq)	Power Level (Ch. 4/Freq)	Power Level (Ch. 1/Freq)	Power Level (Ch. 2/Freq)	Power Level (Ch. 3/Freq)	Power Level (Ch. 4/Freq)	Power Level (Ch. 1/Freq)	Power Level (Ch. 2/Freq)	Power Level (Ch. 3/Freq)	Power Level (Ch. 4/Freq)		
Channel																	
Frequency (MHz)																	
100	FDD-B3	1	1	25.20				20.00									
100	FDD-B3	1	197	22.60				22.00									
100	FDD-B3	1	271	22.60				22.00									
100	FDD-B3	105	0	22.60				22.00							20.5	0.0	
100	FDD-B3	105	80	22.60				22.00							20.5	0.0	
100	FDD-B3	105	150	22.60				22.00							20.5	0.0	
100	FDD-B3	200	0	22.60				22.00							20.5	0.0	
100	CPSC	1	1	22.60				22.00									
100	CPSC	1	197	22.60				22.00							20.5	0.0	
100	CPSC	1	271	22.60				22.00									
100	CPSC	105	0	22.60				22.00							20.5	0.0	
100	CPSC	105	80	22.60				22.00							20.5	0.0	
100	CPSC	105	150	22.60				22.00							20.5	0.0	
100	CPSC	200	0	22.60				22.00							20.5	0.0	
100	TDD-M	1	1	22.60				22.00							20.5	0.0	
100	TDD-M	1	1	22.60				22.00							20.5	0.0	
100	TDD-M	0	1	20.00				20.00							20.0	1.0	



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.26	21.15	21.15	24.24	24.12	24.12	26.0	0.0			
100	QPSK	1	137	21.15	21.07	21.07	24.12	24.19	24.19	26.0	1.0			
100	QPSK	1	271	21.26	21.10	21.10	24.19	24.19	24.19	26.0	1.0			
100	QPSK	137	0	20.98	20.04	20.04	23.33	23.33	23.33	25.0	0.0			
100	QPSK	137	68	21.15	21.08	21.08	24.15	24.15	24.15	26.0	0.0			
100	QPSK	137	136	20.74	20.18	20.18	23.48	23.48	23.48	25.0	1.0			
100	QPSK	273	0	20.66	20.12	20.12	23.41	23.41	23.41	25.0	1.0			
100	16QAM	1	1	21.23	21.17	21.17	24.21	24.21	24.21	26.0	0.0			
100	64QAM	1	1	20.07	19.75	19.75	22.92	22.92	22.92	24.5	1.5			
100	256QAM	1	1	17.07	16.81	16.81	19.85	19.85	19.85	21.5	4.5			

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3725			3725			3725				
100	QPSK	1	1	21.15	21.11	21.11	24.13	24.13	24.13	26.0	0.0			
100	QPSK	1	137	21.13	21.11	21.11	24.13	24.11	24.11	26.0	1.0			
100	QPSK	1	271	21.09	21.11	21.11	24.11	24.11	24.11	26.0	1.0			
100	QPSK	137	0	20.60	20.10	20.10	23.37	23.37	23.37	25.0	0.0			
100	QPSK	137	68	21.08	21.07	21.07	24.08	24.08	24.08	26.0	0.0			
100	QPSK	137	136	20.77	20.15	20.15	23.48	23.48	23.48	25.0	1.0			
100	QPSK	273	0	20.68	20.16	20.16	23.44	23.44	23.44	25.0	1.0			
100	16QAM	1	1	21.04	21.07	21.07	24.07	24.07	24.07	26.0	0.0			
100	64QAM	1	1	19.85	19.80	19.80	22.84	22.84	22.84	24.5	1.5			
100	256QAM	1	1	16.85	17.00	17.00	19.04	19.04	19.04	21.5	4.5			



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.73			21.67			24.74				
100	QPSK	1	137	21.68			21.57			24.64			26.5	0.0
100	QPSK	1	271	21.67			21.66			24.68				
100	QPSK	137	0	20.58			20.17			23.39			25.0	1.5
100	QPSK	137	68	21.72			21.53			24.64			26.5	0.0
100	QPSK	137	136	20.74			20.16			23.47			25.0	1.5
100	QPSK	273	0	20.66			20.00			23.35				
100	16QAM	1	1	21.65			21.25			24.46			26.0	0.5
100	64QAM	1	1	20.07			19.89			22.95			24.5	2.0
100	256QAM	1	1	17.67			17.00			20.05			21.5	5.0



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3950			3950			3950				
100	QPSK	1	1	21.65			21.65			24.67			26.5	0.0
100	QPSK	1	137	21.58	21.59	21.59	21.58	21.59	21.59	24.60			26.0	0.0
100	QPSK	1	271	21.54			21.56			24.56			26.0	0.0
100	QPSK	137	0	20.60	20.59	20.59	20.59	20.59	20.59	23.56			25.0	1.5
100	QPSK	137	68	21.51	21.61	21.61	21.51	21.61	21.61	24.57			26.5	0.0
100	QPSK	137	135	20.77	20.52	20.52	20.77	20.52	20.52	23.56			25.0	1.5
100	QPSK	273	0	20.68	20.45	20.45	20.68	20.45	20.45	23.56			25.0	1.5
100	16QAM	1	1	21.52			21.60			24.57			26.0	0.5
100	64QAM	1	1	19.85	19.96	19.96	19.85	19.96	19.96	22.52			24.5	2.0
100	256QAM	1	1	16.80			17.05			19.96			21.5	5.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.14			21.14			24.16			26.0	0.0
100	QPSK	1	137	21.03	21.11	21.11	21.03	21.11	21.11	24.08			26.0	0.0
100	QPSK	1	271	21.11			21.11			24.11			26.0	0.0
100	QPSK	137	0	20.40	20.40	20.40	20.40	20.40	20.40	23.23			25.0	1.0
100	QPSK	137	68	21.12	21.13	21.13	21.12	21.13	21.13	24.14			26.0	0.0
100	QPSK	137	135	20.48	20.18	20.18	20.48	20.18	20.18	23.34			25.0	1.0
100	QPSK	273	0	20.30	20.12	20.12	20.30	20.12	20.12	23.22			25.0	1.0
100	16QAM	1	1	21.02			21.09			24.07			26.0	0.0
100	64QAM	1	1	20.00	19.75	19.75	20.00	19.75	19.75	22.89			24.5	1.5
100	256QAM	1	1	17.09			16.81			19.96			21.5	4.5



Part270_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3950			3950			3950				
100	QPSK	1	1	21.17			21.16			21.16				
100	QPSK	1	137	21.16			21.09			24.14			26.0	0.0
100	QPSK	1	271	21.05			21.07			24.07				
100	QPSK	137	0	20.40			20.19			23.26			25.0	1.0
100	QPSK	137	68	21.08			21.09			24.10			26.0	0.0
100	QPSK	137	136	20.55			20.15			23.36			25.0	1.0
100	QPSK	273	0	20.30			20.16			23.24				
100	16QAM	1	1	21.04			21.15			24.11			26.0	0.0
100	64QAM	1	1	19.89			19.89			22.81			24.5	1.5
100	256QAM	1	1	17.50			17.50			20.06			21.5	4.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.65		21.64		24.56					26.5	0.0
100	QPSK	1	137	21.51		21.63		24.58						
100	QPSK	1	271	21.58		21.59		24.80						
100	QPSK	137	0	20.40		20.17		23.30					25.0	1.5
100	QPSK	137	68	21.58		21.60		24.59					26.5	0.0
100	QPSK	137	136	20.48		20.18		23.33					25.0	1.5
100	QPSK	273	0	20.30		20.00		23.16					25.0	1.5
100	16QAM	1	1	21.55		21.25		24.41					26.0	0.5
100	64QAM	1	1	20.00		19.80		22.81					24.5	2.0
100	256QAM	1	1	17.50		17.00		20.06					21.5	5.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3954			3954			3954				
100	QPSK	1	1	21.67		21.66		24.58					26.5	0.0
100	QPSK	1	137	21.53		21.64		24.60						
100	QPSK	1	271	21.64		21.55		24.61						
100	QPSK	137	0	20.40		20.50		23.46					25.0	1.5
100	QPSK	137	68	21.54		21.61		24.59					26.5	0.0
100	QPSK	137	136	20.55		20.52		23.55					25.0	1.5
100	QPSK	273	0	20.30		20.45		23.39					25.0	1.5
100	16QAM	1	1	21.45		21.80		24.54					26.0	0.5
100	64QAM	1	1	19.99		19.98		22.99					24.5	2.0
100	256QAM	1	1	17.50		17.00		20.09					21.5	5.0



Reduced Power Mode for DS16 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3				Tune-up limit (dBm)	MRR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.			Power Middle Ch./Freq.	Power High Ch./Freq.
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000	314200			316000	318000
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890					
40	P12 BPSK	1	1	22.48	22.55	22.46	22.10	22.13	22.02	25.30	25.36	25.26					
40	P12 BPSK	1	108	22.49	22.49	22.53	22.03	22.13	22.07	25.28	25.32	25.32			26.5	0.0	
40	P12 BPSK	1	214	22.56	22.46	22.40	21.99	22.01	22.03	25.29	25.25	25.23					
40	P12 BPSK	108	0	21.51	21.70	21.62	21.59	21.65	21.53	24.61	24.69	24.69	26.0	0.5			
40	P12 BPSK	108	54	22.42	22.53	22.45	21.96	22.03	22.11	25.21	25.30	25.29	26.5	0.0			
40	P12 BPSK	108	108	21.79	21.80	21.72	21.61	21.72	21.57	24.71	24.77	24.66			26.0	0.5	
40	P12 BPSK	216	0	21.79	21.88	21.73	21.66	21.69	21.56	24.74	24.80	24.66					
40	QPSK	1	1	22.39	22.90	22.95	22.11	22.14	22.12	25.35	25.39	25.35			26.5	0.0	
40	QPSK	1	108	22.47	22.55	22.44	22.03	22.12	22.07	25.27	25.35	25.27					
40	QPSK	1	214	22.49	22.45	22.43	22.03	22.10	22.02	25.28	25.29	25.24					
40	QPSK	108	0	21.13	21.15	21.11	21.12	21.17	21.07	24.14	24.17	24.10	25.5	1.0			
40	QPSK	108	54	22.45	22.48	22.48	21.99	22.09	22.05	25.24	25.30	25.28	26.5	0.0			
40	QPSK	108	108	21.99	21.19	21.16	21.13	21.15	21.05	24.12	24.18	24.09			25.5	1.0	
40	QPSK	216	0	21.13	21.20	21.14	21.17	21.20	21.16	24.16	24.21	24.16					
40	16QAM	1	1	21.58	21.65	21.60	21.06	21.16	21.05	24.34	24.42	24.34	25.5	1.0			
40	64QAM	1	1	19.86	20.00	19.99	19.51	19.65	19.51	22.70	22.84	22.77	24.5	2.0			
40	256QAM	1	1	17.60	17.70	17.61	17.59	17.66	17.56	20.61	20.69	20.61	22.5	4.0			

n2				Ant 2			Ant 1			Ant 2+1				Tune-up limit (dBm)	MRR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.			Power Middle Ch./Freq.	Power High Ch./Freq.
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000	314200			316000	318000
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890					
40	P12 BPSK	1	1	22.43	22.55	22.53	22.25	22.33	22.26	25.35	25.45	25.41					
40	P12 BPSK	1	108	22.43	22.56	22.47	22.33	22.30	22.32	25.39	25.44	25.41			26.5	0.0	
40	P12 BPSK	1	214	22.48	22.60	22.51	22.34	22.33	22.35	25.42	25.48	25.44					
40	P12 BPSK	108	0	21.61	21.70	21.62	21.66	21.60	21.63	24.76	24.86	24.79	26.0	0.5			
40	P12 BPSK	108	54	22.41	22.50	22.50	22.36	22.35	22.22	25.40	25.49	25.37	26.5	0.0			
40	P12 BPSK	108	108	21.79	21.80	21.72	21.66	21.68	21.56	24.83	24.90	24.85			26.0	0.5	
40	P12 BPSK	216	0	21.79	21.88	21.73	21.80	21.56	21.93	24.81	24.93	24.84					
40	QPSK	1	1	22.55	22.64	22.60	22.38	22.42	22.36	25.48	25.54	25.49			26.5	0.0	
40	QPSK	1	108	22.46	22.56	22.57	22.37	22.35	22.28	25.40	25.44	25.43					
40	QPSK	1	214	22.42	22.52	22.59	22.34	22.35	22.23	25.39	25.45	25.42					
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35	25.5	1.0			
40	QPSK	108	54	22.52	22.61	22.45	22.34	22.38	22.30	25.44	25.51	25.39	26.5	0.0			
40	QPSK	108	108	21.09	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35			25.5	1.0	
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34					
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.0			
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.0			
40	256QAM	1	1	17.60	17.70	17.61	17.82	17.97	17.96	20.72	20.85	20.80	22.5	4.0			



n25				Ant 2			Ant 3			Ant 2+3				Tune-up Amt (dBm)	MPR (dB)			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.			Power Middle Ch./Freq.	Power High Ch./Freq.	
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000	314400	316500	319000			
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895			
40	PI2 BPSK	1	1	22.51	22.60	22.62	22.28	22.37	22.38	25.41	25.50	25.46						
40	PI2 BPSK	1	108	22.54	22.55	22.59	22.28	22.32	22.36	25.42	25.45	25.49				26.5	0.0	
40	PI2 BPSK	1	214	22.56	22.68	22.63	22.28	22.28	22.32	25.47	25.49	25.49						
40	PI2 BPSK	108	0	21.96	21.96	21.81	21.63	21.67	21.62	24.77	24.83	24.73				26.0	0.5	
40	PI2 BPSK	108	54	22.61	22.65	22.65	22.28	22.42	22.28	25.46	25.55	25.47				26.5	0.0	
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.60	21.75	21.71	24.74	24.84	24.75				26.0	0.5	
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	21.70	21.63	24.71	24.79	24.70				26.0	0.5	
40	QPSK	1	1	22.66	22.70	22.65	22.40	22.43	22.41	25.53	25.58	25.55						
40	QPSK	1	108	22.55	22.68	22.62	22.34	22.42	22.28	25.46	25.56	25.41				26.5	0.0	
40	QPSK	1	214	22.49	22.57	22.65	22.36	22.39	22.33	25.44	25.49	25.50						
40	QPSK	108	0	21.49	21.55	21.47	21.09	21.17	21.14	24.30	24.37	24.32				25.5	1.0	
40	QPSK	108	54	22.56	22.63	22.59	22.25	22.40	22.37	25.42	25.53	25.49				26.5	0.0	
40	QPSK	108	108	21.44	21.50	21.35	21.09	21.13	21.09	24.28	24.33	24.23				25.5	1.0	
40	16QAM	1	1	21.54	21.66	21.54	21.15	21.30	21.18	24.36	24.49	24.37				25.5	1.0	
40	16QAM	1	1	20.22	20.25	20.14	19.84	19.88	19.77	23.04	23.08	22.97				24.5	2.0	
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64				22.5	4.0	

n25				Ant 2			Ant 1			Ant 2+1				Tune-up Amt (dBm)	MPR (dB)			
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.			Power Middle Ch./Freq.	Power High Ch./Freq.	
Channel				314400	316500	319000	314400	316500	319000	314400	316500	319000	314400	316500	319000			
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895			
40	PI2 BPSK	1	1	22.48	22.54	22.52	22.81	23.01	22.99	25.71	25.79	25.77						
40	PI2 BPSK	1	108	22.50	22.62	22.48	22.39	22.36	23.02	25.76	25.80	25.77				26.5	0.0	
40	PI2 BPSK	1	214	22.51	22.66	22.59	22.73	23.03	23.04	25.63	25.66	25.63						
40	PI2 BPSK	108	0	21.96	21.96	21.81	21.67	22.12	22.10	24.89	25.05	24.87				26.0	0.5	
40	PI2 BPSK	108	54	22.55	22.66	22.50	22.94	22.95	23.00	25.76	25.82	25.77				26.5	0.0	
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.84	22.21	22.22	24.91	25.07	25.01				26.0	0.5	
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92				26.0	0.5	
40	QPSK	1	1	22.66	22.67	22.65	23.00	23.19	23.08	25.61	25.50	25.56						
40	QPSK	1	108	22.44	22.52	22.55	22.86	22.87	22.86	25.67	25.76	25.77				26.5	0.0	
40	QPSK	1	214	22.49	22.55	22.52	22.85	23.09	23.06	25.68	25.84	25.81						
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.41	24.47				25.5	1.0	
40	QPSK	108	54	22.57	22.63	22.56	22.34	23.08	23.06	25.77	25.87	25.83				26.5	0.0	
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43				25.5	1.0	
40	16QAM	1	1	21.43	21.45	21.30	21.16	21.43	21.40	24.21	24.43	24.36				25.5	1.0	
40	16QAM	1	1	21.54	21.66	21.54	21.55	21.83	21.79	24.56	24.76	24.68				25.5	1.0	
40	16QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28				24.5	2.0	
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87				22.5	4.0	



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374200	376500	378800	374200	376500	378800	374200	376500	378800		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PV2 BPSK	1	1	23.23	23.63	23.97	22.86	22.94	22.89	26.06	26.31	26.25	27.0	0.0
40	PV2 BPSK	1	108	23.04	23.46	23.43	22.76	22.80	22.79	25.91	26.15	26.13		
40	PV2 BPSK	1	214	23.21	23.61	23.54	22.62	22.76	22.73	26.94	26.22	26.16		
40	PV2 BPSK	108	0	21.99	22.36	22.33	21.83	21.87	21.82	24.82	25.06	25.00	26.0	1.0
40	PV2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.89	26.11	26.04	27.0	0.0
40	PV2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09		1.0
40	PV2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00	26.0	1.0
40	QPSK	1	1	23.25	23.67	23.64	22.90	22.98	22.93	26.11	26.35	26.31	27.0	0.0
40	QPSK	1	108	23.19	23.59	23.53	22.70	22.83	22.80	25.96	26.24	26.19		
40	QPSK	1	214	23.19	23.62	23.57	22.70	22.80	22.79	25.96	26.24	26.21		
40	QPSK	108	0	21.17	21.55	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	1.5
40	QPSK	108	54	22.86	23.38	23.32	22.77	22.79	22.73	25.89	26.11	26.05	27.0	0.0
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	1.5
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34		
40	16QAM	1	1	21.68	22.09	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	1.5
40	16QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	2.5
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.62	20.86	20.80	22.5	4.5

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374200	376500	378800	374200	376500	378800	374200	376500	378800		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PV2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98	27.0	0.0
40	PV2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.65	25.88	25.95	25.86		
40	PV2 BPSK	1	214	23.01	23.02	22.97	22.65	22.76	22.66	25.84	25.90	25.83		
40	PV2 BPSK	108	0	23.51	23.60	23.56	23.02	23.12	23.01	25.29	25.38	25.32	26.0	1.0
40	PV2 BPSK	108	54	23.10	23.11	23.04	22.53	22.54	22.52	25.83	25.89	25.80	27.0	0.0
40	PV2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22		
40	PV2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.32	25.38	25.23	26.0	1.0
40	QPSK	1	1	23.16	23.20	23.07	22.81	23.08	22.85	26.10	26.15	26.03	27.0	0.0
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.92	22.77	25.83	26.04	25.80		
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95		
40	QPSK	108	0	21.99	22.08	22.00	21.35	21.43	21.28	24.69	24.78	24.67	25.5	1.5
40	QPSK	108	54	22.95	23.10	23.03	22.77	22.87	22.77	25.88	26.00	25.91	27.0	0.0
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.55	21.49	24.73	24.82	24.70	25.5	1.5
40	QPSK	216	0	21.99	21.90	21.75	21.36	21.45	21.31	24.54	24.61	24.55		
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01	25.5	1.5
40	16QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	2.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	4.5



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346000	348000	350000	346000	348000	350000	346000	348000	350000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	22.10	22.25	22.11	22.81	22.96	22.81	25.48	25.63	25.48		
40	PV2 BPSK	1	108	22.17	22.18	22.11	22.80	22.90	22.80	25.51	25.57	25.48	27.0	0.0
40	PV2 BPSK	1	214	22.21	22.22	22.11	22.90	22.94	22.84	25.58	25.61	25.50		
40	PV2 BPSK	108	0	22.97	22.15	23.00	21.82	21.70	21.62	24.86	24.84	24.82	26.0	1.0
40	PV2 BPSK	108	54	23.09	23.17	23.10	22.88	22.93	22.85	26.00	26.06	25.99	27.0	0.0
40	PV2 BPSK	108	108	21.96	22.10	22.09	21.58	21.65	21.50	24.78	24.89	24.82		
40	PV2 BPSK	216	0	22.19	22.20	22.17	21.55	21.69	21.61	24.89	24.96	24.91	26.0	1.0
40	QPSK	1	1	23.24	23.30	23.26	22.96	23.00	22.95	26.11	26.16	26.14		
40	QPSK	1	108	23.14	23.19	23.06	22.75	22.96	22.81	25.96	26.06	25.85	27.0	0.0
40	QPSK	1	214	23.13	23.15	23.08	22.88	22.93	22.78	26.02	26.05	25.94		
40	QPSK	108	0	21.59	21.66	21.51	21.13	21.16	21.01	24.38	24.43	24.28	25.5	1.5
40	QPSK	108	54	23.13	23.20	23.05	22.89	22.89	22.84	25.99	26.06	25.96	27.0	0.0
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.30	24.40	24.36		
40	QPSK	216	0	21.55	21.50	21.49	21.07	21.05	21.00	24.33	24.39	24.26	25.5	1.5
40	16QAM	1	1	21.66	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46	25.5	1.5
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04	24.5	2.5
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	4.5

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346000	348000	350000	346000	348000	350000	346000	348000	350000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.64	26.28	26.51	26.46		
40	PV2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54	27.0	0.0
40	PV2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40		
40	PV2 BPSK	108	0	23.04	23.06	23.01	22.14	22.65	22.49	25.10	25.34	25.27	26.0	1.0
40	PV2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0
40	PV2 BPSK	108	108	22.05	22.12	22.07	22.14	22.56	22.52	25.11	25.36	25.31		
40	PV2 BPSK	216	0	22.06	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25	26.0	1.0
40	QPSK	1	1	23.33	23.39	23.33	23.41	23.91	23.79	26.38	26.62	26.58		
40	QPSK	1	108	23.22	23.31	23.23	23.32	23.74	23.73	26.28	26.54	26.50	27.0	0.0
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51		
40	QPSK	108	0	21.24	21.30	21.27	21.29	21.68	21.64	24.28	24.50	24.47	25.5	1.5
40	QPSK	108	54	23.29	23.37	23.31	23.31	23.70	23.66	26.31	26.55	26.50	27.0	0.0
40	QPSK	108	108	21.35	21.42	21.38	21.36	21.75	21.69	24.27	24.60	24.55		
40	QPSK	216	0	21.22	21.28	21.24	21.30	21.69	21.67	24.27	24.50	24.47	25.5	1.5
40	16QAM	1	1	21.66	21.72	21.64	21.76	22.14	22.11	24.72	24.99	24.89	25.5	1.5
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	2.5
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	4.5



n66				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346000	348000	350000	346000	348000	350000	346000	348000	350000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12		
40	PV2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11	27.0	0.0
40	PV2 BPSK	1	214	23.30	23.40	23.35	22.90	22.94	22.84	26.11	26.19	26.11		
40	PV2 BPSK	108	0	23.56	23.59	23.57	21.52	21.70	21.62	25.19	25.23	25.19	26.0	1.0
40	PV2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0
40	PV2 BPSK	108	108	22.60	22.65	22.57	21.58	21.65	21.50	25.13	25.19	25.08		
40	PV2 BPSK	216	0	22.69	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13	26.0	1.0
40	QPSK	1	1	23.40	23.50	23.40	22.96	23.00	22.95	26.22	26.27	26.22		
40	QPSK	1	108	23.37	23.44	23.38	22.75	22.96	22.81	26.08	26.19	26.12	27.0	0.0
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05		
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54	25.5	1.5
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13	27.0	0.0
40	QPSK	108	108	22.00	22.16	22.02	21.07	21.12	21.06	24.67	24.68	24.58		
40	QPSK	216	0	22.13	22.30	22.07	21.07	21.16	21.06	24.64	24.72	24.69	25.5	1.5
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76	25.5	1.5
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5

n66				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346000	348000	350000	346000	348000	350000	346000	348000	350000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PV2 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38		
40	PV2 BPSK	1	108	23.33	23.48	23.36	23.26	23.35	23.28	26.31	26.43	26.33	27.0	0.0
40	PV2 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33		
40	PV2 BPSK	108	0	23.79	23.91	23.83	22.67	22.75	22.68	25.74	25.84	25.77	26.0	1.0
40	PV2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0
40	PV2 BPSK	108	108	22.70	22.85	22.78	22.48	22.51	22.42	25.09	25.09	25.01		
40	PV2 BPSK	216	0	22.81	22.92	22.83	22.44	22.52	22.48	25.64	25.73	25.67	26.0	1.0
40	QPSK	1	1	23.44	23.59	23.50	23.26	23.41	23.37	26.41	26.51	26.45		
40	QPSK	1	108	23.36	23.54	23.42	23.26	23.36	23.29	26.35	26.46	26.36	27.0	0.0
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37		
40	QPSK	108	0	21.93	22.07	21.98	21.74	21.82	21.75	24.85	24.96	24.88	25.5	1.5
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.23	26.30	26.39	26.31	27.0	0.0
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78		
40	QPSK	216	0	21.30	21.42	21.33	21.15	21.20	21.11	24.24	24.33	24.23	25.5	1.5
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23	25.5	1.5
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	2.5
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			505002	518598	528000	505002	518598	528000	505002	518598	528000		
	Frequency (MHz)			2240.1	2323.2	2406.3	2240.1	2323.2	2406.3	2240.1	2323.2	2406.3		
100	PC2BPSK	1	1	22.80	23.38	23.93	22.80	23.38	23.93	22.80	23.38	23.93		
100	PC2BPSK	1	137	22.76	23.20	23.15	22.83	22.91	22.85	25.74	26.15	26.06		
100	PC2BPSK	1	271	22.80	23.02	23.08	22.81	22.88	22.77	25.57	25.86	25.84		
100	PC2BPSK	135	0	22.80	23.15	23.12	22.86	22.73	22.85	25.57	25.80	25.80		
100	PC2BPSK	135	60	22.72	23.27	23.32	22.83	22.77	22.81	25.89	26.04	26.06		
100	PC2BPSK	135	108	22.61	23.03	23.15	22.41	22.88	22.96	25.52	25.86	25.88		
100	PC2BPSK	270	0	22.50	23.16	23.22	22.57	22.68	22.65	25.38	25.50	25.50		
100	QPSK	1	1	22.20	23.44	23.37	22.37	22.04	22.50	22.57	25.20	25.12		
100	QPSK	1	137	22.80	23.38	23.49	22.88	22.91	22.78	25.86	26.12	26.08		
100	QPSK	1	271	22.75	23.15	23.17	22.85	22.78	22.77	25.86	25.86	25.86		
100	QPSK	135	0	22.74	23.28	23.22	22.59	22.79	22.73	25.88	26.04	26.06		
100	QPSK	135	60	22.74	23.25	23.24	22.59	22.68	22.67	25.86	26.04	26.04		
100	QPSK	135	108	22.69	23.17	23.18	22.47	22.74	22.64	25.59	25.97	25.93		
100	QPSK	270	0	22.58	23.27	23.24	22.85	22.83	22.72	25.88	26.07	26.00		
100	SSBAM	1	1	22.80	23.58	23.34	22.84	22.86	22.74	25.79	26.10	26.08		
100	SSBAM	1	1	22.80	23.38	23.35	22.85	22.81	22.74	25.79	26.15	26.07		
100	SSBAM	1	1	20.04	21.19	21.25	20.84	20.88	20.85	23.80	24.40	23.97		

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			505002	518598	528000	505002	518598	528000	505002	518598	528000		
	Frequency (MHz)			2240.1	2316.2	2402.3	2240.1	2316.2	2402.3	2240.1	2316.2	2402.3		
100	PC1BPSK	1	1	25.54	26.33	26.25	25.60	25.92	25.77	28.81	29.14	29.04		
100	PC1BPSK	1	137	25.24	25.61	25.67	25.05	25.32	25.19	28.16	28.48	28.39		
100	PC1BPSK	1	271	25.59	25.77	25.70	25.68	25.28	25.11	28.29	28.64	28.43		
100	PC1BPSK	135	0	24.65	24.84	24.78	24.54	24.32	24.37	27.42	27.69	27.59		
100	PC1BPSK	135	60	25.25	25.82	25.58	25.08	25.33	25.06	28.18	28.44	28.34		
100	PC1BPSK	135	108	24.52	24.79	24.71	24.25	24.51	24.35	27.40	27.65	27.53		
100	PC1BPSK	270	0	24.54	24.95	24.82	24.28	24.37	24.30	27.42	27.77	27.67		
100	QPSK	1	1	25.05	25.40	25.42	25.12	25.04	25.04	28.20	28.16	28.16		
100	QPSK	1	137	25.15	25.19	25.08	24.94	24.70	24.95	28.60	28.40	28.68		
100	QPSK	1	271	25.56	25.56	25.34	25.21	25.46	25.31	28.41	28.14	28.82		
100	QPSK	135	0	24.31	24.89	24.85	24.52	24.32	24.14	27.18	27.52	27.41		
100	QPSK	135	60	24.87	24.87	24.52	24.12	24.38	24.38	27.42	27.42	27.42		
100	QPSK	135	108	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27		
100	QPSK	270	0	24.25	24.84	24.80	24.54	24.20	24.03	27.18	27.44	27.33		
100	SSBAM	1	1	23.89	25.08	25.05	25.10	25.44	25.28	23.56	24.88	24.88		
100	SSBAM	1	1	23.35	23.73	23.71	23.15	23.48	23.35	26.27	26.61	26.53		
100	SSBAM	1	1	20.95	21.34	21.32	20.69	20.86	20.80	23.83	24.17	24.08		



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.81	224.82	224.83	224.81	224.82	224.83	224.81	224.82	224.83		
100	PI2-BPSK	1	1	22.41	22.84	22.88	22.88	22.88	22.76	22.96	22.97	22.83		
100	PI2-BPSK	1	137	22.18	22.84	22.87	22.81	22.85	22.86	22.41	22.86	22.83	27.0	0.0
100	PI2-BPSK	1	271	22.15	22.67	22.80	22.47	22.77	22.64	22.32	22.73	22.73		
100	PI2-BPSK	135	5	22.05	22.75	22.75	22.51	22.76	22.57	22.30	22.74	22.67	27.0	0.0
100	PI2-BPSK	135	89	22.26	22.67	22.81	22.50	22.85	22.86	22.39	22.67	22.70	27.0	0.0
100	PI2-BPSK	135	138	22.05	22.67	22.89	22.26	22.69	22.46	22.19	22.67	22.69	27.0	0.0
100	PI2-BPSK	215	5	22.21	22.85	22.82	22.43	22.77	22.75	22.33	22.80	22.85		
100	QPSK	1	1	22.24	22.54	22.52	22.29	22.55	22.21	22.52	22.59	22.52	27.0	0.0
100	QPSK	1	137	22.18	22.54	22.51	22.67	22.58	22.78	22.51	22.58	22.59	27.0	0.0
100	QPSK	1	271	22.24	22.52	22.89	22.54	22.52	22.64	22.40	22.88	22.78		
100	QPSK	135	5	22.18	22.60	22.88	22.58	22.88	22.38	22.89	22.78	27.0	0.0	
100	QPSK	135	89	22.26	22.69	22.85	22.50	22.85	22.87	22.39	22.69	27.0	0.0	
100	QPSK	135	138	22.12	22.75	22.76	22.43	22.77	22.55	22.29	22.78	22.67	27.0	0.0
100	QPSK	215	5	22.27	22.53	22.85	22.53	22.83	22.81	22.41	22.52	22.84	27.0	0.0
100	SSB-AM	1	1	22.46	22.54	22.53	22.29	22.52	22.27	22.59	22.59	22.59	27.0	0.0
100	SSB-AM	1	1	22.32	22.55	22.96	22.64	22.94	22.85	22.49	22.52	22.53	27.0	0.0
100	SSB-AM	1	1	22.35	22.14	21.11	20.29	20.69	21.09	21.88	24.08	24.32	25.5	1.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.81	224.82	224.83	224.81	224.82	224.83	224.81	224.82	224.83		
100	PI2-BPSK	1	1	22.43	22.97	22.92	22.72	22.94	22.92	22.92	22.92	22.92		
100	PI2-BPSK	1	137	22.43	22.86	22.40	22.62	22.17	22.03	22.04	22.33	22.23	30.0	0.0
100	PI2-BPSK	1	271	22.01	22.45	22.40	22.03	22.16	22.03	22.03	22.32	22.23		
100	PI2-BPSK	135	5	22.52	22.64	22.62	22.67	22.71	22.96	27.86	27.89	27.81	29.0	1.0
100	PI2-BPSK	135	89	22.00	22.22	22.18	22.67	22.11	22.07	22.05	22.18	22.14	30.0	0.0
100	PI2-BPSK	135	138	22.14	22.65	22.58	22.38	22.48	22.46	22.27	22.63	22.63	29.0	1.0
100	PI2-BPSK	215	5	22.25	22.50	22.58	22.38	22.62	22.48	22.33	22.62	27.80		
100	QPSK	1	1	22.12	22.20	22.20	22.21	22.20	22.20	22.20	22.20	22.20		
100	QPSK	1	137	22.08	22.21	22.45	22.21	22.29	22.46	22.21	22.21	22.41	30.0	0.0
100	QPSK	1	271	22.00	22.41	22.40	22.15	22.42	22.27	22.11	22.44	22.32		
100	QPSK	135	5	22.09	22.61	22.57	22.37	22.37	22.44	27.24	27.60	27.52	28.5	1.8
100	QPSK	135	89	22.24	22.67	22.63	22.54	22.54	22.54	22.54	22.54	22.54	28.0	0.0
100	QPSK	135	138	22.01	22.35	22.20	22.09	22.20	22.10	22.08	22.29	22.21	28.0	1.0
100	QPSK	215	5	22.01	22.52	22.48	22.01	22.23	22.12	22.02	22.30	22.31	28.0	1.0
100	SSB-AM	1	1	22.55	22.58	22.51	22.28	22.54	22.42	22.20	22.50	22.49	29.0	1.8
100	SSB-AM	1	1	22.02	22.54	22.48	22.25	22.45	22.38	22.15	22.52	22.41	27.5	2.5
100	SSB-AM	1	1	22.87	21.19	21.13	20.81	21.01	20.87	22.70	24.11	24.01	22.5	4.5



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.51	224.79	224.86	224.51	224.79	224.86	224.51	224.79	224.86		
100	PI2-BPSK	1	1	22.70	23.11	22.98	22.66	23.06	22.94	23.69	23.07	23.77		
100	PI2-BPSK	1	137	22.60	22.94	22.73	22.45	22.79	22.43	23.34	23.81	23.99	27.0	0.0
100	PI2-BPSK	135	5	22.49	22.86	22.76	22.47	22.85	22.55	23.49	23.99	23.64	27.0	0.0
100	PI2-BPSK	135	66	22.61	22.63	22.58	22.59	22.50	22.80	23.60	23.73	23.70	0.0	0.0
100	PI2-BPSK	135	138	22.58	22.61	22.73	22.52	22.81	22.47	23.36	23.82	23.82	27.0	0.0
100	PI2-BPSK	235	5	22.57	22.86	22.80	22.52	22.82	22.47	23.59	23.87	23.65		
100	QPSK	1	1	22.79	23.10	22.91	22.70	23.10	22.80	23.77	23.14	23.27	27.0	0.0
100	QPSK	1	137	22.73	22.94	22.89	22.60	22.87	22.65	23.79	23.82	23.78		
100	QPSK	1	271	22.65	22.92	22.79	22.54	22.83	22.51	23.81	23.89	23.88		
100	QPSK	135	5	22.58	22.84	22.85	22.58	22.87	22.59	23.57	23.82	23.73	27.0	0.0
100	QPSK	135	66	22.66	22.63	22.57	22.57	22.52	22.88	23.69	23.71	23.68	27.0	0.0
100	QPSK	135	138	22.46	22.91	22.75	22.45	22.88	22.52	23.44	23.91	23.85	27.0	0.0
100	QPSK	235	5	22.92	22.85	22.93	22.58	22.88	22.53	23.81	23.87	23.74		
100	SSB-AM	1	1	22.71	23.10	22.91	22.81	23.09	22.38	23.67	23.13	23.36	27.0	0.0
100	SSB-AM	1	1	22.79	23.13	23.08	22.81	23.02	22.65	23.72	23.39	23.64	27.0	0.0
100	SSB-AM	1	1	20.38	20.71	20.57	20.64	20.47	20.63	21.83	21.76	21.81	20.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.51	224.79	224.86	224.51	224.79	224.86	224.51	224.79	224.86		
100	PI2-BPSK	1	1	23.82	23.53	23.92	23.73	23.05	23.73	23.79	23.10	23.84		
100	PI2-BPSK	1	137	23.30	23.58	23.39	23.19	23.52	23.00	23.26	23.46	23.21	30.0	0.0
100	PI2-BPSK	1	271	23.21	23.53	23.34	23.05	23.36	23.01	23.44	23.46	23.19		
100	PI2-BPSK	135	5	23.52	24.01	24.08	24.00	24.51	24.17	23.31	23.87	23.59	30.0	1.0
100	PI2-BPSK	135	66	23.20	23.52	23.34	23.12	23.26	23.15	23.17	23.40	23.26	30.0	0.0
100	PI2-BPSK	135	138	24.29	24.52	24.31	24.07	24.11	24.07	23.17	23.34	23.25	29.0	1.0
100	PI2-BPSK	235	5	24.36	24.71	24.51	24.17	24.30	24.16	23.26	23.52	23.35		
100	QPSK	1	1	23.82	23.39	23.99	23.80	23.34	23.79	23.34	23.17	23.20	30.0	0.0
100	QPSK	1	137	23.79	23.67	23.66	23.10	23.69	23.10	23.78	23.66	23.71		
100	QPSK	1	271	23.50	23.58	23.32	23.01	23.32	23.00	23.18	23.46	23.10		
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	23.69	23.32	23.23	28.5	1.8
100	QPSK	135	66	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57	23.57	30.0	0.0
100	QPSK	135	138	24.06	24.30	24.00	24.03	24.11	24.04	23.67	23.22	23.05	28.0	1.0
100	QPSK	235	5	24.02	24.21	24.08	24.21	24.20	24.23	23.13	23.23	23.17	28.0	1.0
100	SSB-AM	1	1	23.00	23.20	23.09	23.09	23.09	23.04	23.09	23.21	23.09	28.0	1.8
100	SSB-AM	1	1	23.02	23.31	23.10	22.90	23.22	22.87	23.97	23.28	23.03	27.5	2.5
100	SSB-AM	1	1	20.38	20.78	20.59	20.67	20.76	20.93	21.83	21.78	21.82	20.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	24.99	25.47	24.51	24.99	25.47	24.51	24.99	25.47	24.51	24.99
100	PI2-BPSK	1	1	22.12	22.68	22.82	22.86	23.40	22.97	25.80	25.25	25.91		
100	PI2-BPSK	1	137	22.71	22.85	22.81	22.71	23.26	22.88	25.72	26.09	25.88	27.0	0.0
100	PI2-BPSK	1	271	22.84	22.85	22.83	22.71	23.12	22.76	25.89	26.04	25.81		
100	PI2-BPSK	135	5	22.88	22.82	22.85	22.55	23.16	22.75	25.83	26.00	25.76	27.0	0.0
100	PI2-BPSK	135	89	22.89	22.87	22.81	22.89	23.28	22.88	25.76	26.13	25.96	27.0	0.0
100	PI2-BPSK	135	138	22.88	22.72	22.85	22.85	23.01	22.71	25.83	25.88	25.72	27.0	0.0
100	PI2-BPSK	215	5	22.82	22.76	22.81	22.85	23.12	22.81	25.85	25.95	25.85		
100	QPSK	1	1	22.57	22.19	22.16	22.57	22.46	22.21	22.15	22.15	22.15	27.0	0.0
100	QPSK	1	137	22.78	22.88	22.85	22.81	23.41	22.85	26.81	26.24	25.99		
100	QPSK	1	271	22.76	22.85	22.83	22.76	23.26	22.82	25.74	26.14	25.84		
100	QPSK	135	5	22.75	22.81	22.83	22.89	23.23	22.83	25.73	26.08	25.84	27.0	0.0
100	QPSK	135	89	22.85	22.85	22.81	22.85	23.21	22.81	26.14	25.95	25.75	27.0	0.0
100	QPSK	135	138	22.83	22.75	22.76	22.81	23.13	22.81	26.83	25.97	25.85	27.0	0.0
100	QPSK	215	5	22.75	22.85	22.87	22.73	23.17	22.83	25.75	26.04	25.81		
100	SSBAM	1	1	22.81	22.16	22.86	22.83	23.48	22.88	26.28	25.50	27.0	0.0	
100	SSBAM	1	1	22.72	22.54	22.88	22.82	23.38	22.85	25.78	26.22	25.83	27.0	0.0
100	SSBAM	1	1	26.30	26.72	26.53	26.52	27.03	26.87	27.52	27.89	27.86	28.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	24.99	25.47	24.51	24.99	25.47	24.51	24.99	25.47	24.51	24.99
100	PI2-BPSK	1	1	25.82	25.50	25.89	25.86	26.37	25.91	28.85	29.25	28.51		
100	PI2-BPSK	1	137	26.38	25.85	26.42	26.08	26.60	26.15	28.25	28.64	28.30	30.0	0.0
100	PI2-BPSK	1	271	26.30	26.20	26.40	26.04	26.53	26.08	28.18	28.57	28.25		
100	PI2-BPSK	135	5	26.48	26.75	26.53	26.84	26.82	26.33	27.41	27.80	27.41	29.0	1.0
100	PI2-BPSK	135	89	26.19	26.45	26.25	26.50	26.52	26.07	28.11	28.50	28.17	30.0	0.0
100	PI2-BPSK	135	138	26.30	26.20	26.40	26.01	26.52	26.03	27.68	28.09	27.74	29.0	1.0
100	PI2-BPSK	215	5	26.34	26.61	26.41	26.75	26.78	26.28	27.31	27.70	27.36		
100	QPSK	1	1	26.12	26.31	26.35	26.35	26.41	26.07	26.20	26.27	26.25	30.0	0.0
100	QPSK	1	137	26.28	26.45	26.45	26.41	26.91	26.33	28.45	28.86	28.61		
100	QPSK	1	271	26.28	26.52	26.29	26.41	26.93	26.47	28.35	28.74	28.39		
100	QPSK	135	5	26.03	26.29	26.05	26.82	26.44	26.00	27.64	27.38	27.54	28.5	1.8
100	QPSK	135	89	26.05	26.31	26.07	26.77	26.39	26.05	27.50	27.25	27.50	28.5	0.0
100	QPSK	135	138	26.05	26.21	26.07	26.84	26.45	26.05	27.58	27.38	27.57	28.0	1.0
100	QPSK	215	5	26.05	26.25	26.09	26.85	26.45	26.07	27.65	27.45	27.60		
100	SSBAM	1	1	26.81	26.22	26.87	26.88	27.52	26.88	27.87	28.30	28.08	29.0	1.8
100	SSBAM	1	1	22.86	23.21	22.90	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.5
100	SSBAM	1	1	26.30	26.77	26.54	26.88	27.88	26.84	28.55	29.94	28.60	29.5	4.5



Part96_n48				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.45	19.40	22.71	22.74	22.65	24.0	0.0
40	QPSK	1	53	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48			
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59			
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.80	20.99	21.11	21.02	22.5	1.5	
40	QPSK	53	27	19.97	19.99	19.98	19.32	19.32	19.19	22.57	22.56	22.54	24.0	0.0	
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05		1.5	
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25	22.5	1.5	
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5	
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.06	20.13	20.06	21.5	2.5	
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.50	17.54	17.50	19.5	4.5	

Part96_n48				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332
Frequency (MHz)				19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98	19.93	19.97	19.98
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.45	19.40	22.71	22.74	22.65	24.0	0.0
40	QPSK	1	53	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48			
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59			
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.80	20.99	21.11	21.02	22.5	1.5	
40	QPSK	53	27	19.97	19.99	19.98	19.32	19.32	19.19	22.57	22.56	22.54	24.0	0.0	
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05		1.5	
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25	22.5	1.5	
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5	
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.06	20.13	20.06	21.5	2.5	
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.50	17.54	17.50	19.5	4.5	



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				19.72	19.74	19.76	19.72	19.74	19.76	19.72	19.74	19.76		
40	QPSK	1	1	19.45	19.46	19.53	19.45	19.47	19.45	22.54	22.48	22.40		
40	QPSK	1	63	19.27	19.27	19.30	19.19	19.25	19.12	22.24	22.27	22.22	24.0	0.0
40	QPSK	1	104	19.37	19.44	19.29	19.40	19.38	19.37	22.40	22.42	22.34		
40	QPSK	63	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	1.5
40	QPSK	63	27	19.36	19.43	19.28	19.22	19.32	19.19	22.27	22.39	22.28	24.0	0.0
40	QPSK	63	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	1.5
40	QPSK	105	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		
40	16QAM	1	1	19.08	19.10	19.03	18.93	19.09	18.98	22.02	22.11	22.02	23.5	0.5
40	64QAM	1	1	16.90	16.89	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	2.5
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.65	17.68	17.63	19.5	-4.5



Part27Q_n77(PC2)				Ant 4			Ant 8			Ant 4+8				Turn-up time (min)	MPT (min)
Dist (km)	Modulation	RS Size	RS Offset	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)			
Frequency Range															
100	FDD-FDD	1	1	20.76	21.26	21.76	22.26	22.76	23.26	23.76	24.26	24.76	25.26		
100	FDD-FDD	1	197	22.21	22.71	23.21	23.71	24.21	24.71	25.21	25.71	26.21	26.71	20.0	0.0
100	FDD-FDD	1	271	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60		
100	FDD-FDD	100	0	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	FDD-FDD	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	FDD-FDD	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	1	1	22.20	22.70	23.20	23.70	24.20	24.70	25.20	25.70	26.20	26.70		
100	OFDM	1	197	22.20	22.70	23.20	23.70	24.20	24.70	25.20	25.70	26.20	26.70	20.0	0.0
100	OFDM	1	271	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60		
100	OFDM	100	0	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	270	0	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	TDMA	1	1	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	TDMA	1	1	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	TDMA	0	1	20.76	21.26	21.76	22.26	22.76	23.26	23.76	24.26	24.76	25.26		

Part27Q_n77(PC1.5)				Ant 4			Ant 8			Ant 4+8				Turn-up time (min)	MPT (min)
Dist (km)	Modulation	RS Size	RS Offset	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)	Power Level (Ch. 1/2/3)			
Frequency Range															
100	FDD-FDD	1	1	20.76	21.26	21.76	22.26	22.76	23.26	23.76	24.26	24.76	25.26		
100	FDD-FDD	1	197	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	FDD-FDD	1	271	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60		
100	FDD-FDD	100	0	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	FDD-FDD	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	FDD-FDD	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	1	1	22.20	22.70	23.20	23.70	24.20	24.70	25.20	25.70	26.20	26.70		
100	OFDM	1	197	22.20	22.70	23.20	23.70	24.20	24.70	25.20	25.70	26.20	26.70	20.0	0.0
100	OFDM	1	271	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60		
100	OFDM	100	0	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	100	150	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	OFDM	270	0	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	TDMA	1	1	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	TDMA	1	1	22.10	22.60	23.10	23.60	24.10	24.60	25.10	25.60	26.10	26.60	20.0	0.0
100	TDMA	0	1	20.76	21.26	21.76	22.26	22.76	23.26	23.76	24.26	24.76	25.26		



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.26		21.15		21.15		24.24			26.0	0.0
100	QPSK	1	137	21.15		21.07		21.07		24.12				
100	QPSK	1	271	21.26		21.10		21.10		24.19				
100	QPSK	137	0	20.98		20.04		20.04		23.33			25.0	1.0
100	QPSK	137	68	21.15		21.08		21.15		24.15			26.0	0.0
100	QPSK	137	136	20.74		20.18		20.18		23.48			25.0	1.0
100	QPSK	273	0	20.66		20.12		20.12		23.41				
100	16QAM	1	1	21.23		21.17		21.17		24.21			26.0	0.0
100	64QAM	1	1	20.07		19.75		19.75		22.92			24.5	1.5
100	256QAM	1	1	17.97		16.81		16.81		19.85			21.5	4.5

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3720			3720			3720				
100	QPSK	1	1	21.15		21.17		21.17		24.17			26.0	0.0
100	QPSK	1	137	21.13		21.11		21.11		24.13				
100	QPSK	1	271	21.09		21.11		21.11		24.11				
100	QPSK	137	0	20.60		20.10		20.10		23.37			25.0	1.0
100	QPSK	137	68	21.08		21.07		21.08		24.08			26.0	0.0
100	QPSK	137	136	20.77		20.15		20.15		23.48			25.0	1.0
100	QPSK	273	0	20.68		20.16		20.16		23.44				
100	16QAM	1	1	21.04		21.07		21.07		24.07			26.0	0.0
100	64QAM	1	1	19.85		19.80		19.80		22.84			24.5	1.5
100	256QAM	1	1	16.85		17.00		17.00		19.04			21.5	4.5



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				2459.98			2459.98			2459.98				
100	QPSK	1	1	21.73			21.67			24.74				
100	QPSK	1	137	21.88			21.57			24.64			26.5	0.0
100	QPSK	1	271	21.67			21.86			24.68				
100	QPSK	137	0	20.58			20.17			23.39			25.0	1.5
100	QPSK	137	68	21.73			21.53			24.64			26.5	0.0
100	QPSK	137	136	20.74			20.16			23.47			25.0	1.5
100	QPSK	273	0	20.66			20.00			23.35				
100	16QAM	1	1	21.65			21.25			24.46			26.0	0.5
100	64QAM	1	1	20.07			19.89			22.95			24.5	2.0
100	256QAM	1	1	17.67			17.00			20.05			21.5	5.0



Part270_n78				Ant 4			Ant 6			Ant 4+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency [MHz]				3780			3780			3780				
100	QPSK	1	1	21.65	21.66	21.67	21.66	21.66	21.67	21.66	21.66	21.67	26.5	0.0
100	QPSK	1	137	21.58	21.59	21.60	21.59	21.59	21.60	21.58	21.58	21.60	26.5	0.0
100	QPSK	1	271	21.54	21.56	21.56	21.56	21.56	21.56	21.54	21.54	21.56	26.5	0.0
100	QPSK	137	0	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	20.60	25.0	1.5
100	QPSK	137	68	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	26.5	0.0
100	QPSK	137	136	20.77	20.82	20.86	20.82	20.82	20.86	20.77	20.77	20.86	25.0	1.5
100	QPSK	273	0	20.88	20.45	23.58	20.45	20.45	23.58	20.88	20.88	23.58	25.0	1.5
100	16QAM	1	1	21.52	21.60	24.57	21.60	21.60	24.57	21.52	21.52	24.57	26.0	0.5
100	64QAM	1	1	19.85	19.96	22.92	19.96	19.96	22.92	19.85	19.85	22.92	24.5	2.0
100	256QAM	1	1	16.85	17.05	19.96	17.05	17.05	19.96	16.85	16.85	19.96	21.5	5.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency [MHz]				3429.98			3429.98			3429.98				
100	QPSK	1	1	21.14	21.14	21.16	21.14	21.14	21.16	21.14	21.14	21.16	26.0	0.0
100	QPSK	1	137	21.03	21.11	21.11	21.11	21.11	21.11	21.03	21.03	21.11	26.0	0.0
100	QPSK	1	271	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	26.0	0.0
100	QPSK	137	0	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	20.40	25.0	1.0
100	QPSK	137	68	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	26.0	0.0
100	QPSK	137	136	20.48	20.48	20.48	20.48	20.48	20.48	20.48	20.48	20.48	25.0	1.0
100	QPSK	273	0	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	20.30	25.0	1.0
100	16QAM	1	1	21.02	21.02	21.02	21.02	21.02	21.02	21.02	21.02	21.02	26.0	0.0
100	64QAM	1	1	20.00	19.76	22.89	19.76	19.76	22.89	20.00	20.00	22.89	24.5	1.5
100	256QAM	1	1	17.09	17.09	18.81	17.09	17.09	18.81	17.09	17.09	18.81	21.5	4.5



Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				39.50			39.50			39.50				
100	QPSK	1	1	21.17			21.16					24.18		
100	QPSK	1	137	21.16			21.09					24.14	26.0	0.0
100	QPSK	1	271	21.05			21.07					24.07		
100	QPSK	137	0	20.40			20.19					23.26	25.0	1.0
100	QPSK	137	68	21.08			21.09					24.10	26.0	0.0
100	QPSK	137	135	20.55			20.15					23.36		
100	QPSK	273	0	20.30			20.18					23.24	25.0	1.0
100	16QAM	1	1	21.04			21.15					24.11	26.0	0.0
100	64QAM	1	1	19.89			19.89					22.81	24.5	1.5
100	256QAM	1	1	17.50			17.50					20.06	21.5	4.5



Reduced Power Mode for DS17 UL MIMO

n2				Ant 2			Ant 3			Ant 2+3			Tune-up Int. (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				374200	374600	375000	374200	374600	375000	374200	374600	375000		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P1/2 BPSK	1	1	15.93	16.00	15.98	15.40	15.55	15.42	16.68	16.79	16.72		
40	P1/2 BPSK	1	108	15.90	16.10	15.98	15.46	15.68	15.47	16.70	16.91	16.74	20.0	0.0
40	P1/2 BPSK	1	214	15.87	16.09	15.96	15.49	15.67	15.41	16.69	16.90	16.70		
40	P1/2 BPSK	108	0	15.93	16.05	15.99	15.43	15.64	15.45	16.70	16.86	16.74	20.0	0.0
40	P1/2 BPSK	108	54	15.87	16.03	15.95	15.51	15.58	15.54	16.70	16.82	16.76	20.0	0.0
40	P1/2 BPSK	108	108	15.91	16.11	15.96	15.42	15.58	15.45	16.68	16.86	16.72	20.0	0.0
40	P1/2 BPSK	216	0	15.91	16.01	16.03	15.46	15.62	15.44	16.70	16.83	16.76		
40	QPSK	1	1	15.93	16.10	16.05	15.52	15.65	15.55	16.77	16.93	16.82		
40	QPSK	1	108	15.95	16.05	16.02	15.42	15.59	15.44	16.70	16.84	16.75	20.0	0.0
40	QPSK	1	214	15.96	16.11	16.00	15.42	15.67	15.49	16.71	16.91	16.76		
40	QPSK	108	0	15.94	16.02	16.00	15.43	15.64	15.48	16.70	16.84	16.76	20.0	0.0
40	QPSK	108	54	15.97	16.10	16.02	15.46	15.65	15.53	16.73	16.89	16.79	20.0	0.0
40	QPSK	108	108	15.95	16.05	15.96	15.43	15.60	15.45	16.71	16.84	16.72		
40	QPSK	216	0	15.97	16.05	16.01	15.42	15.55	15.43	16.71	16.82	16.74	20.0	0.0
40	16QAM	1	1	15.96	16.09	15.92	15.43	15.59	15.48	16.71	16.86	16.72	20.0	0.0
40	64QAM	1	1	15.98	16.04	16.02	15.41	15.68	15.49	16.71	16.87	16.77	20.0	0.0
40	256QAM	1	1	15.92	16.09	15.92	15.39	15.62	15.53	16.67	16.87	16.74	20.0	0.0

n2				Ant 2			Ant 1			Ant 2+1			Tune-up Int. (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				374200	374600	375000	374200	374600	375000	374200	374600	375000		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	P1/2 BPSK	1	1	16.51	16.51	16.48	16.33	16.50	16.43	19.43	19.52	19.47		
40	P1/2 BPSK	1	108	16.42	16.54	16.55	16.38	16.45	16.38	19.41	19.51	19.48	20.5	0.0
40	P1/2 BPSK	1	214	16.46	16.51	16.47	16.31	16.37	16.37	19.40	19.45	19.43		
40	P1/2 BPSK	108	0	16.45	16.53	16.49	16.28	16.42	16.25	19.43	19.54	19.43	20.5	0.0
40	P1/2 BPSK	108	54	16.46	16.58	16.49	16.37	16.37	16.46	19.43	19.49	19.49	20.5	0.0
40	P1/2 BPSK	108	108	16.46	16.57	16.47	16.40	16.49	16.40	19.44	19.44	19.45		
40	P1/2 BPSK	216	0	16.40	16.63	16.45	16.37	16.50	16.39	19.40	19.58	19.43	20.5	0.0
40	QPSK	1	1	16.53	16.64	16.59	16.45	16.50	16.50	19.50	19.59	19.56		
40	QPSK	1	108	16.45	16.58	16.58	16.25	16.42	16.48	19.41	19.51	19.54	20.5	0.0
40	QPSK	1	214	16.43	16.54	16.53	16.33	16.40	16.38	19.39	19.48	19.47		
40	QPSK	108	0	16.44	16.59	16.49	16.35	16.40	16.38	19.41	19.51	19.45	20.5	0.0
40	QPSK	108	54	16.50	16.63	16.55	16.42	16.51	16.49	19.47	19.58	19.53	20.5	0.0
40	QPSK	108	108	16.48	16.62	16.51	16.33	16.44	16.46	19.42	19.54	19.50		
40	QPSK	216	0	16.46	16.56	16.55	16.23	16.30	16.41	19.41	19.54	19.49	20.5	0.0
40	16QAM	1	1	16.39	16.52	16.57	16.32	16.38	16.46	19.37	19.46	19.53	20.5	0.0
40	64QAM	1	1	16.49	16.63	16.49	16.31	16.46	16.39	19.41	19.56	19.45	20.5	0.0
40	256QAM	1	1	16.45	16.54	16.46	16.35	16.41	16.43	19.41	19.49	19.46	20.5	0.0



n2				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P1/2 BPSK	1	1	18.81	18.90	18.75	18.34	18.59	18.42	21.59	21.76	21.60	23.0	0.0
40	P1/2 BPSK	1	108	18.80	18.91	18.82	18.48	18.47	18.54	21.65	21.71	21.69	23.0	0.0
40	P1/2 BPSK	1	214	18.85	18.85	18.80	18.44	18.59	18.47	21.66	21.73	21.65	23.0	0.0
40	P1/2 BPSK	108	0	18.85	18.92	18.79	18.42	18.48	18.50	21.67	21.72	21.66	23.0	0.0
40	P1/2 BPSK	108	54	18.85	18.87	18.82	18.40	18.53	18.47	21.64	21.71	21.66	23.0	0.0
40	P1/2 BPSK	108	108	18.82	18.87	18.82	18.44	18.54	18.51	21.64	21.72	21.68	23.0	0.0
40	P1/2 BPSK	216	0	18.85	18.84	18.74	18.43	18.51	18.52	21.66	21.69	21.64	23.0	0.0
40	QPSK	1	1	18.85	18.95	18.85	18.49	18.52	18.55	21.71	21.79	21.71	23.0	0.0
40	QPSK	1	108	18.85	18.91	18.79	18.44	18.51	18.43	21.68	21.72	21.62	23.0	0.0
40	QPSK	1	214	18.85	18.84	18.84	18.47	18.56	18.54	21.67	21.71	21.70	23.0	0.0
40	QPSK	108	0	18.79	18.89	18.75	18.45	18.47	18.50	21.83	21.70	21.64	23.0	0.0
40	QPSK	108	54	18.85	18.90	18.84	18.47	18.50	18.52	21.68	21.76	21.69	23.0	0.0
40	QPSK	108	108	18.82	18.81	18.83	18.42	18.49	18.40	21.63	21.66	21.63	23.0	0.0
40	QPSK	216	0	18.83	18.88	18.79	18.48	18.51	18.42	21.67	21.71	21.62	23.0	0.0
40	16QAM	1	1	18.75	18.85	18.77	18.45	18.59	18.40	21.61	21.73	21.60	23.0	0.0
40	64QAM	1	1	18.89	18.85	18.80	18.48	18.48	18.44	21.70	21.68	21.63	23.0	0.0
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	0.5

n2				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314500	316500	318500	314500	316500	318500	314500	316500	318500		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P1/2 BPSK	1	1	19.72	19.85	19.84	19.56	19.61	19.68	22.65	22.74	22.77	24.0	0.0
40	P1/2 BPSK	1	108	19.76	19.86	19.81	19.54	19.75	19.57	22.66	22.82	22.70	24.0	0.0
40	P1/2 BPSK	1	214	19.72	19.83	19.87	19.67	19.70	19.68	22.71	22.78	22.78	24.0	0.0
40	P1/2 BPSK	108	0	19.85	19.92	19.75	19.61	19.72	19.65	22.74	22.83	22.71	24.0	0.0
40	P1/2 BPSK	108	54	19.81	19.82	19.82	19.66	19.73	19.68	22.75	22.79	22.76	24.0	0.0
40	P1/2 BPSK	108	108	19.76	19.84	19.80	19.55	19.64	19.70	22.67	22.75	22.76	24.0	0.0
40	P1/2 BPSK	216	0	19.77	19.78	19.88	19.57	19.64	19.58	22.68	22.72	22.74	24.0	0.0
40	QPSK	1	1	19.86	19.93	19.90	19.65	19.75	19.72	22.78	22.85	22.82	24.0	0.0
40	QPSK	1	108	19.73	19.82	19.79	19.63	19.63	19.65	22.69	22.74	22.73	24.0	0.0
40	QPSK	1	214	19.78	19.86	19.89	19.65	19.70	19.57	22.73	22.79	22.74	24.0	0.0
40	QPSK	108	0	19.80	19.78	19.88	19.63	19.74	19.58	22.73	22.77	22.74	24.0	0.0
40	QPSK	108	54	19.83	19.92	19.90	19.67	19.75	19.71	22.75	22.85	22.82	24.0	0.0
40	QPSK	108	108	19.78	19.78	19.88	19.62	19.71	19.67	22.71	22.76	22.79	24.0	0.0
40	QPSK	216	0	19.79	19.88	19.86	19.67	19.72	19.71	22.74	22.81	22.80	24.0	0.0
40	16QAM	1	1	19.75	19.82	19.75	19.63	19.72	19.70	22.70	22.78	22.74	24.0	0.0
40	64QAM	1	1	19.30	19.40	19.31	19.14	19.15	19.07	22.23	22.29	22.20	24.0	0.0
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	1.5



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	16.08	16.13	16.14	15.83	15.79	15.69	18.97	18.97	18.93		
40	PI2 BPSK	1	108	16.07	16.11	16.11	15.72	15.79	15.67	18.91	18.96	18.91	20.0	0.0
40	PI2 BPSK	1	214	16.09	16.17	16.07	15.74	15.81	15.66	18.93	19.00	18.88		
40	PI2 BPSK	108	0	16.11	16.14	16.08	15.83	15.77	15.71	18.98	18.97	18.91	20.0	0.0
40	PI2 BPSK	108	54	16.00	16.06	16.05	15.78	15.75	15.67	18.90	18.93	18.87	20.0	0.0
40	PI2 BPSK	108	108	16.04	16.20	16.04	15.78	15.73	15.72	18.92	18.96	18.89		
40	PI2 BPSK	216	0	16.12	16.17	16.09	15.78	15.83	15.65	18.96	19.01	18.89	20.0	0.0
40	QPSK	1	1	16.12	16.22	16.15	15.85	15.86	15.80	19.00	19.06	18.99		
40	QPSK	1	108	16.11	16.20	16.02	15.74	15.79	15.77	18.94	19.01	18.91	20.0	0.0
40	QPSK	1	214	16.00	16.16	16.01	15.77	15.84	15.66	18.90	19.01	18.85		
40	QPSK	108	0	16.06	16.10	16.09	15.77	15.74	15.67	18.93	18.93	18.90	20.0	0.0
40	QPSK	108	54	16.10	16.19	16.12	15.82	15.85	15.75	18.97	19.03	18.95	20.0	0.0
40	QPSK	108	108	16.06	16.18	16.02	15.81	15.80	15.70	18.91	19.00	18.87	20.0	0.0
40	QPSK	216	0	16.01	16.08	16.04	15.80	15.83	15.72	18.92	18.97	18.86		
40	16QAM	1	1	16.05	16.11	16.07	15.82	15.84	15.68	18.95	18.99	18.89	20.0	0.0
40	16QAM	1	1	15.98	16.14	16.03	15.84	15.77	15.73	18.92	18.97	18.89	20.0	0.0
40	256QAM	1	1	16.04	16.19	16.05	15.78	15.83	15.75	18.92	19.02	18.91	20.0	0.0

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				374000	376500	379000	374000	376500	379000	374000	376500	379000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	16.62	16.61	16.49	16.83	17.11	16.99	19.74	19.88	19.76		
40	PI2 BPSK	1	108	16.60	16.67	16.56	16.85	16.99	16.93	19.74	19.84	19.76	20.5	0.0
40	PI2 BPSK	1	214	16.57	16.67	16.55	16.88	16.98	16.97	19.74	19.84	19.76		
40	PI2 BPSK	108	0	16.65	16.60	16.45	16.85	17.09	16.85	19.71	19.86	19.66	20.5	0.0
40	PI2 BPSK	108	54	16.62	16.56	16.56	16.86	17.02	16.85	19.75	19.81	19.72	20.5	0.0
40	PI2 BPSK	108	108	16.53	16.62	16.56	16.90	17.09	16.91	19.73	19.87	19.75		
40	PI2 BPSK	216	0	16.55	16.55	16.53	16.83	17.00	16.90	19.70	19.79	19.73	20.5	0.0
40	QPSK	1	1	16.65	16.66	16.60	16.98	17.12	17.00	19.83	19.92	19.91		
40	QPSK	1	108	16.68	16.64	16.61	16.95	17.02	16.88	19.78	19.90	19.71	20.5	0.0
40	QPSK	1	214	16.62	16.56	16.50	16.87	17.08	16.86	19.76	19.84	19.69		
40	QPSK	108	0	16.62	16.65	16.47	16.86	17.00	16.91	19.75	19.84	19.71	20.5	0.0
40	QPSK	108	54	16.64	16.66	16.59	16.95	17.10	16.96	19.81	19.90	19.79	20.5	0.0
40	QPSK	108	108	16.54	16.58	16.52	16.90	17.09	16.92	19.73	19.85	19.73	20.5	0.0
40	QPSK	216	0	16.61	16.63	16.55	16.83	16.96	16.90	19.68	19.90	19.74	20.5	0.0
40	16QAM	1	1	16.56	16.60	16.49	16.95	17.01	16.92	19.77	19.82	19.72	20.5	0.0
40	16QAM	1	1	16.61	16.61	16.49	16.96	17.04	16.89	19.80	19.84	19.70	20.5	0.0
40	256QAM	1	1	16.56	16.61	16.45	16.77	17.03	17.02	19.68	19.84	19.75	20.5	0.0



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P12 BPSK	1	1	19.56	19.62	19.60	18.87	18.88	18.77	22.24	22.28	22.22		
40	P12 BPSK	1	108	19.56	19.65	19.57	18.85	18.92	18.85	22.23	22.31	22.24	23.0	0.0
40	P12 BPSK	1	214	19.50	19.59	19.48	18.84	18.87	18.85	22.19	22.26	22.19		
40	P12 BPSK	108	0	19.48	19.55	19.58	18.92	18.95	18.77	22.22	22.32	22.21	23.0	0.0
40	P12 BPSK	108	54	19.53	19.56	19.49	18.83	18.88	18.84	22.20	22.24	22.19	23.0	0.0
40	P12 BPSK	108	108	19.53	19.62	19.58	18.80	18.83	18.86	22.19	22.25	22.25	23.0	0.0
40	P12 BPSK	216	0	19.44	19.62	19.55	18.86	18.84	18.86	22.17	22.26	22.23		
40	QPSK	1	1	19.58	19.97	19.62	18.94	18.95	18.92	22.25	22.35	22.29		
40	QPSK	1	108	19.53	19.65	19.58	18.81	18.97	18.83	22.20	22.33	22.23	23.0	0.0
40	QPSK	1	214	19.57	19.53	19.52	18.83	18.84	18.81	22.23	22.21	22.19		
40	QPSK	108	0	19.44	19.58	19.52	18.81	18.87	18.89	22.15	22.25	22.23	23.0	0.0
40	QPSK	108	54	19.56	19.64	19.57	18.84	18.95	18.90	22.23	22.32	22.26	23.0	0.0
40	QPSK	108	108	19.54	19.51	19.56	18.83	18.85	18.78	22.21	22.20	22.20	23.0	0.0
40	QPSK	216	0	19.54	19.52	19.51	18.82	18.83	18.85	22.21	22.20	22.20		
40	16QAM	1	1	19.44	19.58	19.47	18.87	18.90	18.85	22.17	22.25	22.18	23.0	0.0
40	64QAM	1	1	19.50	19.52	19.57	18.93	18.95	18.78	22.23	22.25	22.20	23.0	0.0
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.82	20.89	20.80	22.5	0.5

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	P12 BPSK	1	1	20.12	20.04	20.05	19.92	20.02	19.88	23.03	23.04	22.98		
40	P12 BPSK	1	108	20.05	20.13	20.00	19.92	19.94	19.91	23.00	23.05	22.97	24.0	0.0
40	P12 BPSK	1	214	20.00	20.17	20.07	19.89	19.94	19.93	22.96	23.07	23.01		
40	P12 BPSK	108	0	20.08	20.08	20.00	19.87	19.82	19.86	23.04	23.01	22.96	24.0	0.0
40	P12 BPSK	108	54	20.12	20.17	20.01	20.01	19.93	19.90	23.08	23.06	22.97	24.0	0.0
40	P12 BPSK	108	108	20.09	20.11	20.01	19.97	19.92	19.98	23.04	23.03	23.01		
40	P12 BPSK	216	0	20.11	20.09	20.02	19.91	20.00	19.92	23.02	23.06	22.98	24.0	0.0
40	QPSK	1	1	20.15	20.15	20.12	20.02	20.07	20.00	23.10	23.14	23.07		
40	QPSK	1	108	20.05	20.16	19.88	19.80	20.05	19.85	22.99	23.12	22.93	24.0	0.0
40	QPSK	1	214	20.12	20.05	20.00	20.00	20.01	19.87	23.07	23.04	22.95		
40	QPSK	108	0	20.02	20.08	20.06	19.88	19.95	19.97	23.01	23.03	23.03	24.0	0.0
40	QPSK	108	54	20.11	20.15	20.10	20.00	20.02	19.98	23.07	23.10	23.05	24.0	0.0
40	QPSK	108	108	20.08	20.11	19.89	19.89	19.93	19.87	23.05	23.03	22.94	24.0	0.0
40	QPSK	216	0	20.10	20.13	20.02	19.82	19.94	19.93	23.02	23.05	22.96		
40	16QAM	1	1	20.12	20.07	20.10	19.93	20.06	19.94	23.04	23.07	23.03	24.0	0.0
40	64QAM	1	1	20.04	20.05	20.01	20.05	20.00	20.03	23.06	23.04	23.03	24.0	0.0
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	1.5



n66				Ant 2			Ant 3			Ant 2+3				Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel	Frequency (MHz)			346000	348000	350000	346000	348000	350000	346000	348000	350000			
40	PV2 BPSK	1	1	18.23	18.21	18.08	17.87	17.97	17.93	21.06	21.10	21.02	22.0	0.0	
40	PV2 BPSK	1	108	18.15	18.17	18.17	17.97	17.97	17.85	21.07	21.08	21.02			
40	PV2 BPSK	1	214	18.12	18.18	18.19	17.87	17.88	17.92	21.01	21.04	21.05			
40	PV2 BPSK	108	0	18.16	18.14	18.13	17.93	18.00	17.92	21.06	21.09	21.04	22.0	0.0	
40	PV2 BPSK	108	54	18.24	18.26	18.21	17.98	18.00	17.89	21.12	21.14	21.06	22.0	0.0	
40	PV2 BPSK	108	108	18.18	18.14	18.09	17.95	17.95	17.89	21.08	21.08	21.00	22.0	0.0	
40	PV2 BPSK	216	0	18.12	18.21	18.19	17.99	17.94	17.84	21.07	21.09	21.03	22.0	0.0	
40	QPSK	1	1	18.20	18.28	18.22	18.00	18.01	17.97	21.14	21.16	21.11	22.0	0.0	
40	QPSK	1	108	18.24	18.26	18.12	17.86	18.00	17.88	21.06	21.14	21.01			
40	QPSK	1	214	18.19	18.19	18.17	17.95	17.95	17.89	21.08	21.08	21.04			
40	QPSK	108	0	18.18	18.20	18.19	17.93	17.90	17.87	21.07	21.08	21.04	22.0	0.0	
40	QPSK	108	54	18.20	18.23	18.21	17.98	18.00	17.93	21.10	21.13	21.08	22.0	0.0	
40	QPSK	108	108	18.10	18.19	18.07	17.97	17.95	17.90	21.05	21.08	21.00	22.0	0.0	
40	QPSK	216	0	18.11	18.22	18.21	17.91	17.98	17.90	21.03	21.11	21.07	22.0	0.0	
40	16QAM	1	1	18.16	18.15	18.15	17.91	17.90	17.95	21.05	21.04	21.06	22.0	0.0	
40	64QAM	1	1	18.17	18.22	18.17	17.85	17.88	17.88	21.02	21.08	21.07	22.0	0.0	
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.0	0.0	

n66				Ant 2			Ant 1			Ant 2+1				Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel	Frequency (MHz)			346000	348000	350000	346000	348000	350000	346000	348000	350000			
40	PV2 BPSK	1	1	18.85	18.92	18.78	19.19	19.20	19.23	22.03	22.07	22.02	22.5	0.0	
40	PV2 BPSK	1	108	18.78	18.89	18.90	19.15	19.27	19.23	21.98	22.09	22.03			
40	PV2 BPSK	1	214	18.85	18.83	18.74	19.14	19.28	19.24	22.01	22.07	22.01			
40	PV2 BPSK	108	0	18.86	18.85	18.83	19.17	19.29	19.19	22.04	22.09	22.02	22.5	0.0	
40	PV2 BPSK	108	54	18.85	18.80	18.72	19.09	19.33	19.23	21.98	22.08	21.99	22.5	0.0	
40	PV2 BPSK	108	108	18.89	18.88	18.77	19.16	19.31	19.13	22.04	22.11	21.96	22.5	0.0	
40	PV2 BPSK	216	0	18.84	18.86	18.90	19.08	19.30	19.13	21.97	22.10	21.98			
40	QPSK	1	1	18.92	18.94	18.85	19.23	19.25	19.25	22.09	22.16	22.06			
40	QPSK	1	108	18.84	18.84	18.70	19.10	19.25	19.23	21.98	22.06	21.98	22.5	0.0	
40	QPSK	1	214	18.79	18.80	18.75	19.17	19.28	19.23	21.99	22.06	22.01			
40	QPSK	108	0	18.79	18.82	18.72	19.12	19.22	19.11	21.97	22.03	21.93			
40	QPSK	108	54	18.89	18.93	18.73	19.16	19.30	19.23	22.04	22.13	22.00	22.5	0.0	
40	QPSK	108	108	18.86	18.90	18.71	19.15	19.27	19.11	22.02	22.10	21.92	22.5	0.0	
40	QPSK	216	0	18.85	18.85	18.71	19.13	19.28	19.24	22.00	22.08	21.99	22.5	0.0	
40	16QAM	1	1	18.89	18.92	18.72	19.08	19.22	19.15	22.00	22.08	21.95	22.5	0.0	
40	64QAM	1	1	18.77	18.82	18.72	19.20	19.29	19.20	22.00	22.07	21.98	22.5	0.0	
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	0.0	



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			50502	51658	52800	50502	51658	52800	50502	51658	52800		
	Frequency (MHz)			254.51	252.54	248	248.82	248.89	248	248.11	252.59	254.51		
100	PC2BPSK	1	1	20.55	20.76	20.72	20.42	20.50	20.45	20.50	20.64	20.60	24.5	0.0
100	PC2BPSK	1	137	20.58	20.83	20.78	20.34	20.52	20.47	20.47	20.60	20.64	24.5	0.0
100	PC2BPSK	1	271	20.56	20.86	20.81	20.41	20.51	20.47	20.50	20.70	20.60	24.5	0.0
100	PC2BPSK	135	0	20.67	20.81	20.79	20.30	20.51	20.46	20.52	20.67	20.64	24.5	0.0
100	PC2BPSK	135	60	20.59	20.82	20.82	20.38	20.52	20.43	20.50	20.68	20.64	24.5	0.0
100	PC2BPSK	135	108	20.55	20.77	20.70	20.34	20.51	20.54	20.46	20.65	20.63	24.5	0.0
100	PC2BPSK	270	0	20.64	20.80	20.82	20.38	20.58	20.41	20.51	20.70	20.63	24.5	0.0
100	QPSK	1	-1	20.60	20.91	20.85	20.40	20.60	20.50	20.54	20.77	20.71	24.5	0.0
100	QPSK	1	137	20.66	20.86	20.82	20.42	20.56	20.46	20.54	20.74	20.63	24.5	0.0
100	QPSK	1	271	20.67	20.80	20.78	20.34	20.53	20.46	20.52	20.68	20.64	24.5	0.0
100	QPSK	135	0	20.67	20.85	20.75	20.35	20.55	20.48	20.52	20.71	20.63	24.5	0.0
100	QPSK	135	60	20.64	20.80	20.78	20.38	20.58	20.49	20.52	20.70	20.63	24.5	0.0
100	QPSK	135	108	20.64	20.84	20.70	20.38	20.47	20.43	20.52	20.67	20.66	24.5	0.0
100	QPSK	270	0	20.62	20.82	20.80	20.30	20.51	20.50	20.47	20.68	20.68	24.5	0.0
100	SSBAM	1	1	20.63	20.84	20.84	20.36	20.57	20.40	20.50	20.72	20.65	24.5	0.0
100	SSBAM	1	1	20.61	20.80	20.79	20.41	20.51	20.45	20.52	20.67	20.65	24.5	0.0
100	SSBAM	1	-1	20.67	20.88	20.77	20.43	20.48	20.53	20.56	20.60	20.68	24.5	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)			
	Channel			50502	51658	52800	50502	51658	52800	50502	51658	52800			
	Frequency (MHz)			254.51	252.54	248	248.82	248.89	248	248.11	252.59	254.51			
100	PC1BPSK	1	1	20.62	20.82	20.76	20.37	20.57	20.47	20.29	20.48	20.55	27.5	0.0	
100	PC1BPSK	1	137	20.65	20.88	20.84	20.27	20.60	20.40	20.40	20.47	20.70	20.64	27.5	0.0
100	PC1BPSK	1	271	20.63	20.80	20.74	20.40	20.57	20.43	20.43	20.58	20.72	20.60	27.5	0.0
100	PC1BPSK	135	0	20.64	20.77	20.70	20.30	20.50	20.30	20.51	20.67	20.64	27.5	0.0	
100	PC1BPSK	135	60	20.61	20.84	20.83	20.34	20.56	20.29	20.49	20.73	20.58	27.5	0.0	
100	PC1BPSK	135	108	20.68	20.77	20.72	20.41	20.50	20.31	20.58	20.65	20.53	27.5	0.0	
100	PC1BPSK	270	0	20.69	20.78	20.81	20.40	20.54	20.30	20.67	20.67	20.67	27.5	0.0	
100	QPSK	1	1	20.70	20.90	20.80	20.42	20.61	20.41	20.60	20.70	20.68	27.5	0.0	
100	QPSK	1	137	20.68	20.89	20.72	20.46	20.66	20.36	20.51	20.70	20.58	27.5	0.0	
100	QPSK	1	271	20.72	20.84	20.83	20.37	20.52	20.32	20.52	20.68	20.58	27.5	0.0	
100	QPSK	135	0	20.65	20.82	20.70	20.28	20.47	20.39	20.48	20.68	20.56	27.5	0.0	
100	QPSK	135	60	20.66	20.86	20.80	20.30	20.50	20.30	20.67	20.67	20.67	27.5	0.0	
100	QPSK	135	108	20.68	20.83	20.71	20.27	20.47	20.30	20.49	20.68	20.52	27.5	0.0	
100	QPSK	270	0	20.74	20.87	20.70	20.31	20.50	20.38	20.54	20.70	20.58	27.5	0.0	
100	SSBAM	1	1	20.65	20.78	20.76	20.30	20.50	20.29	20.50	20.68	20.54	27.5	0.0	
100	SSBAM	1	1	20.55	20.73	20.71	20.18	20.46	20.33	20.27	20.61	20.53	27.5	0.0	
100	SSBAM	1	-1	20.65	21.34	21.32	20.60	20.98	20.80	20.83	20.71	20.88	25.5	2.0	



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.11	24.12	24.13	24.11	24.12	24.13	24.11	24.12	24.13		
100	PI2-BPSK	1	1	20.17	20.41	20.25	20.29	20.53	20.41	20.24	20.48	20.35		
100	PI2-BPSK	1	137	20.15	20.38	20.38	20.22	20.52	20.31	20.20	20.47	20.38	24.5	
100	PI2-BPSK	1	271	20.11	20.41	20.38	20.20	20.54	20.53	20.22	20.49	20.38		
100	PI2-BPSK	135	5	20.13	20.37	20.36	20.20	20.50	20.50	20.21	20.47	20.37	24.5	
100	PI2-BPSK	135	89	20.18	20.38	20.27	20.18	20.44	20.34	20.19	20.42	20.32	24.5	
100	PI2-BPSK	135	138	20.17	20.43	20.25	20.18	20.44	20.28	20.18	20.45	20.28	24.5	
100	PI2-BPSK	210	5	20.10	20.45	20.27	20.24	20.43	20.28	20.18	20.43	20.28		
100	QPSK	1	1	20.25	20.47	20.46	20.21	20.58	20.43	20.30	20.54	20.42		
100	QPSK	1	137	20.20	20.38	20.35	20.46	20.54	20.58	20.29	20.48	20.38	24.5	
100	QPSK	1	271	20.16	20.44	20.35	20.22	20.44	20.58	20.20	20.45	20.37		
100	QPSK	135	5	20.11	20.43	20.34	20.31	20.55	20.31	20.22	20.49	20.34	24.5	
100	QPSK	135	89	20.14	20.44	20.36	20.27	20.57	20.35	20.22	20.48	20.34	24.5	
100	QPSK	135	138	20.14	20.38	20.30	20.27	20.50	20.35	20.22	20.48	20.34	24.5	
100	QPSK	210	5	20.12	20.44	20.30	20.28	20.43	20.42	20.20	20.45	20.40		
100	SSBAM	1	1	20.20	20.44	20.34	20.29	20.48	20.40	20.27	20.47	20.38	24.5	
100	SSBAM	1	1	20.16	20.44	20.33	20.31	20.48	20.52	20.25	20.47	20.34	24.5	
100	SSBAM	1	1	20.19	20.45	20.37	20.28	20.48	20.41	20.24	20.48	20.40	24.5	

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.11	24.12	24.13	24.11	24.12	24.13	24.11	24.12	24.13		
100	PI2-BPSK	1	1	20.23	20.47	20.30	20.31	20.40	20.31	20.25	20.45	20.34		
100	PI2-BPSK	1	137	20.23	20.30	20.30	20.20	20.20	20.48	20.31	20.25	20.42	27.5	
100	PI2-BPSK	1	271	20.29	20.40	20.42	20.38	20.52	20.38	20.30	20.47	20.41		
100	PI2-BPSK	135	5	20.23	20.39	20.34	20.30	20.50	20.38	20.28	20.48	20.37	27.5	
100	PI2-BPSK	135	89	20.20	20.30	20.43	20.33	20.34	20.38	20.28	20.48	20.42	27.5	
100	PI2-BPSK	135	138	20.29	20.35	20.30	20.30	20.31	20.39	20.34	20.44	20.38	27.5	
100	PI2-BPSK	210	5	20.20	20.43	20.32	20.37	20.45	20.28	20.30	20.45	20.30		
100	QPSK	1	1	20.30	20.20	20.45	20.30	20.30	20.40	20.30	20.34	20.44		
100	QPSK	1	137	20.26	20.41	20.40	20.33	20.51	20.28	20.37	20.48	20.34	27.5	
100	QPSK	1	271	20.15	20.41	20.37	20.38	20.51	20.30	20.27	20.47	20.30		
100	QPSK	135	5	20.18	20.44	20.35	20.30	20.45	20.33	20.25	20.46	20.30	27.5	
100	QPSK	135	89	20.17	20.40	20.32	20.28	20.45	20.35	20.25	20.47	20.30	27.5	
100	QPSK	135	138	20.27	20.44	20.37	20.30	20.42	20.28	20.30	20.44	20.33	27.5	
100	QPSK	210	5	20.17	20.45	20.42	20.38	20.48	20.38	20.23	20.48	20.42		
100	SSBAM	1	1	20.20	20.44	20.37	20.34	20.47	20.31	20.28	20.47	20.30	27.5	
100	SSBAM	1	1	20.18	20.45	20.37	20.25	20.48	20.38	20.23	20.49	20.30	27.5	
100	SSBAM	1	1	20.27	21.19	21.13	20.81	21.01	20.87	20.70	20.11	20.61	28.5	



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				248.01	248.02	248.03	248.01	248.02	248.03	248.01	248.02	248.03		
100	PI2-BPSK	1	1	20.22	20.50	20.48	20.42	20.50	20.45	20.36	20.51	20.48	24.5	0.0
100	PI2-BPSK	1	137	20.30	20.50	20.43	20.34	20.52	20.47	20.53	20.50	20.48	24.5	0.0
100	PI2-BPSK	1	271	20.23	20.50	20.48	20.41	20.51	20.47	20.53	20.50	20.48	24.5	0.0
100	PI2-BPSK	135	5	20.35	20.51	20.42	20.30	20.51	20.46	20.36	20.55	20.45	24.5	0.0
100	PI2-BPSK	135	66	20.25	20.51	20.48	20.38	20.52	20.43	20.53	20.47	20.45	24.5	0.0
100	PI2-BPSK	135	138	20.30	20.51	20.42	20.34	20.51	20.44	20.36	20.55	20.48	24.5	0.0
100	PI2-BPSK	210	5	20.34	20.48	20.53	20.30	20.50	20.51	20.36	20.55	20.48	24.5	0.0
100	QPSK	1	1	20.38	20.47	20.51	20.40	20.50	20.50	20.45	20.52	20.50	24.5	0.0
100	QPSK	1	137	20.28	20.48	20.45	20.42	20.50	20.42	20.39	20.52	20.48	24.5	0.0
100	QPSK	1	271	20.25	20.52	20.54	20.34	20.53	20.48	20.51	20.54	20.51	24.5	0.0
100	QPSK	135	5	20.28	20.47	20.44	20.30	20.55	20.48	20.52	20.52	20.47	24.5	0.0
100	QPSK	135	66	20.35	20.52	20.46	20.38	20.50	20.45	20.57	20.49	20.55	24.5	0.0
100	QPSK	135	138	20.30	20.50	20.44	20.38	20.47	20.43	20.55	20.50	20.45	24.5	0.0
100	QPSK	210	5	20.37	20.52	20.50	20.30	20.51	20.50	20.35	20.53	20.51	24.5	0.0
100	SSB-AM	1	1	20.34	20.52	20.48	20.30	20.53	20.40	20.36	20.56	20.48	24.5	0.0
100	SSB-AM	1	1	20.27	20.52	20.44	20.41	20.51	20.46	20.32	20.54	20.47	24.5	0.0
100	SSB-AM	1	1	20.27	20.54	20.46	20.43	20.48	20.53	20.38	20.52	20.51	24.5	0.0

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				248.01	248.02	248.03	248.01	248.02	248.03	248.01	248.02	248.03		
100	PI2-BPSK	1	1	20.33	20.50	20.50	20.52	20.47	20.39	20.34	20.54	20.43	27.5	0.0
100	PI2-BPSK	1	137	20.42	20.55	20.47	20.27	20.60	20.40	20.36	20.64	20.43	27.5	0.0
100	PI2-BPSK	1	271	20.38	20.53	20.53	20.40	20.67	20.43	20.40	20.58	20.49	27.5	0.0
100	PI2-BPSK	135	5	20.42	20.53	20.50	20.30	20.50	20.30	20.40	20.55	20.47	27.5	0.0
100	PI2-BPSK	135	66	20.32	20.51	20.49	20.34	20.50	20.29	20.34	20.61	20.40	27.5	0.0
100	PI2-BPSK	135	138	20.40	20.53	20.52	20.41	20.60	20.31	20.42	20.53	20.43	27.5	0.0
100	PI2-BPSK	210	5	20.30	20.51	20.40	20.60	20.54	20.30	20.36	20.54	20.30	27.5	0.0
100	QPSK	1	1	20.42	20.50	20.52	20.42	20.51	20.44	20.40	20.55	20.50	27.5	0.0
100	QPSK	1	137	20.32	20.50	20.51	20.38	20.58	20.38	20.36	20.57	20.47	27.5	0.0
100	QPSK	1	271	20.30	20.50	20.43	20.37	20.52	20.32	20.38	20.55	20.30	27.5	0.0
100	QPSK	135	5	20.38	20.50	20.50	20.28	20.47	20.39	20.34	20.55	20.48	27.5	0.0
100	QPSK	135	66	20.35	20.50	20.47	20.30	20.50	20.30	20.40	20.61	20.40	27.5	0.0
100	QPSK	135	138	20.35	20.50	20.44	20.27	20.47	20.30	20.31	20.54	20.38	27.5	0.0
100	QPSK	210	5	20.32	20.50	20.53	20.31	20.50	20.38	20.33	20.50	20.48	27.5	0.0
100	SSB-AM	1	1	20.34	20.50	20.49	20.38	20.52	20.20	20.30	20.50	20.40	27.5	0.0
100	SSB-AM	1	1	20.02	20.51	20.10	20.16	20.46	20.33	20.10	20.40	20.23	27.5	0.0
100	SSB-AM	1	1	20.38	20.39	20.50	20.60	20.68	20.60	20.64	20.60	20.71	20.5	2.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co. (Freq)	Power Mids Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Mids Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Mids Co. (Freq)	Power High Co. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.01	224.79	224.60	224.01	224.79	224.60	224.01	224.79	224.60	224.01	224.79
100	PI2-BPSK	1	1	22.27	22.43	22.46	22.52	22.79	22.55	25.46	25.52	25.57		
100	PI2-BPSK	1	137	22.34	22.52	22.37	22.66	22.79	22.57	25.51	25.67	25.48	26.5	0.0
100	PI2-BPSK	1	271	22.30	22.52	22.39	22.67	22.77	22.60	25.30	25.66	25.54		
100	PI2-BPSK	135	5	22.27	22.43	22.39	22.66	22.82	22.60	25.46	25.64	25.51	26.5	0.0
100	PI2-BPSK	135	66	22.35	22.48	22.38	22.59	22.83	22.86	25.46	25.67	25.53	26.5	0.0
100	PI2-BPSK	135	138	22.39	22.44	22.49	22.63	22.82	22.85	25.52	25.64	25.58	26.5	0.0
100	PI2-BPSK	215	5	22.38	22.53	22.47	22.54	22.83	22.58	25.47	25.69	25.54		
100	QPSK	1	1	22.46	22.52	22.56	22.61	22.82	22.71	25.32	25.75	25.71		
100	QPSK	1	137	22.38	22.46	22.46	22.61	22.81	22.88	25.51	25.66	25.56	26.5	0.0
100	QPSK	1	271	22.29	22.45	22.45	22.55	22.78	22.84	25.43	25.65	25.58		
100	QPSK	135	5	22.32	22.43	22.43	22.52	22.88	22.84	25.48	25.69	25.57	26.5	0.0
100	QPSK	135	66	22.35	22.56	22.48	22.65	22.85	22.85	25.73	25.67	25.55		
100	QPSK	135	138	22.27	22.45	22.36	22.61	22.83	22.57	25.45	25.67	25.48	26.5	0.0
100	QPSK	215	5	22.31	22.53	22.45	22.55	22.87	22.83	25.44	25.70	25.55		
100	SSBAM	1	1	22.35	22.46	22.35	22.63	22.83	22.83	25.59	25.67	25.56	26.5	0.0
100	SSBAM	1	1	22.28	22.42	22.45	22.59	22.80	22.55	25.45	25.62	25.51	26.5	0.0
100	SSBAM	1	1	20.30	20.72	20.53	20.52	21.03	20.97	23.52	23.89	23.86	26.5	1.0

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co. (Freq)	Power Mids Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Mids Co. (Freq)	Power High Co. (Freq)	FCC Power Low Co. (Freq)	Power Mids Co. (Freq)	Power High Co. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.01	224.79	224.60	224.01	224.79	224.60	224.01	224.79	224.60	224.01	224.79
100	PI2-BPSK	1	1	25.27	25.46	25.28	25.53	25.97	25.59	26.45	26.66	26.45		
100	PI2-BPSK	1	137	25.33	25.52	25.40	25.68	25.60	25.15	26.22	26.57	26.29	29.5	0.0
100	PI2-BPSK	1	271	25.37	25.47	25.30	25.64	25.63	25.08	26.22	26.51	26.20		
100	PI2-BPSK	135	5	24.46	24.75	24.53	24.84	24.82	24.33	27.41	27.60	27.41	29.0	0.5
100	PI2-BPSK	135	66	25.19	25.45	25.25	25.50	25.52	25.07	26.11	26.50	26.17	29.0	0.0
100	PI2-BPSK	135	138	24.50	24.56	24.40	24.61	24.92	24.03	27.64	28.09	27.74	29.0	0.5
100	PI2-BPSK	215	5	24.34	24.61	24.43	24.51	24.77	24.28	27.31	27.70	27.36		
100	QPSK	1	1	25.46	25.20	25.43	25.72	25.30	25.09	26.32	26.74	26.27		
100	QPSK	1	137	25.58	25.47	25.58	25.68	25.79	26.03	26.55	26.44	26.51	29.5	0.0
100	QPSK	1	271	25.30	25.47	25.33	25.60	25.64	25.84	26.48	26.67	26.50		
100	QPSK	135	5	24.03	24.29	24.05	24.62	24.44	24.00	27.64	27.38	27.54	28.5	1.0
100	QPSK	135	66	24.50	24.50	24.50	24.50	25.77	24.50	26.03	26.03	25.50		
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.63	24.05	27.68	27.38	27.57	28.5	1.0
100	QPSK	215	5	24.05	24.25	24.09	24.03	24.65	24.07	27.65	27.45	27.50	28.0	1.0
100	SSBAM	1	1	20.61	20.22	20.60	20.68	20.58	20.06	20.90	20.50	20.60	20.0	0.5
100	SSBAM	1	1	22.96	23.21	22.90	23.07	23.55	23.09	26.05	26.39	26.05	27.5	2.0
100	SSBAM	1	1	20.30	20.77	20.54	20.58	21.08	20.84	23.55	23.84	23.60	26.5	4.0



Part96_n48				Ant 4			Ant 8			Ant 4+8				Tune-up limit (dB)	MRR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.			Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96		
40	QPSK	1	1	14.46	14.54	14.41	13.96	14.02	14.05	17.23	17.30	17.22			18.5	0.0	
40	QPSK	1	63	14.35	14.49	14.29	13.87	13.98	13.85	17.13	17.25	17.09					
40	QPSK	1	104	14.44	14.50	14.34	13.95	13.94	13.90	17.21	17.24	17.14					
40	QPSK	53	0	14.30	14.44	14.33	13.84	13.91	13.86	17.11	17.19	17.11			18.5	0.0	
40	QPSK	63	27	14.41	14.50	14.26	13.93	13.98	13.98	17.19	17.27	17.18			18.5	0.0	
40	QPSK	63	63	14.33	14.47	14.30	13.89	13.91	13.98	17.13	17.21	17.15			18.5	0.0	
40	QPSK	106	0	14.36	14.50	14.30	13.84	13.97	13.94	17.12	17.20	17.13					
40	16QAM	1	1	14.36	14.39	14.31	13.85	13.89	13.93	17.12	17.16	17.13			18.5	0.0	
40	64QAM	1	1	14.32	14.43	14.36	13.93	14.00	13.87	17.14	17.23	17.13			18.5	0.0	
40	256QAM	1	1	14.40	14.50	14.29	13.82	13.92	13.86	17.10	17.20	17.10			18.5	0.0	

Part96_n48				Ant 4			Ant 6			Ant 4+6				Tune-up limit (dB)	MRR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.			Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96		
40	QPSK	1	1	13.35	13.45	13.35	12.79	12.81	12.73	16.11	16.19	16.06			17.5	0.0	
40	QPSK	1	63	13.36	13.31	13.28	12.66	12.71	12.61	16.03	16.03	15.96					
40	QPSK	1	104	13.23	13.35	13.21	12.73	12.73	12.61	16.00	16.06	15.93					
40	QPSK	53	0	13.25	13.41	13.25	12.66	12.73	12.63	15.98	16.09	15.98			17.5	0.0	
40	QPSK	63	27	13.38	13.43	13.31	12.78	12.81	12.68	16.13	16.19	16.05			17.5	0.0	
40	QPSK	63	63	13.31	13.36	13.22	12.69	12.70	12.62	16.02	16.05	15.94			17.5	0.0	
40	QPSK	106	0	13.25	13.30	13.28	12.72	12.75	12.61	16.00	16.04	15.96					
40	16QAM	1	1	13.28	13.39	13.22	12.69	12.76	12.67	16.01	16.10	15.96			17.5	0.0	
40	64QAM	1	1	13.36	13.35	13.29	12.78	12.70	12.69	16.09	16.05	16.01			17.5	0.0	
40	256QAM	1	1	13.29	13.36	13.26	12.72	12.68	12.72	16.02	16.04	16.01			17.5	0.0	



Part96_n48				Ant 3			Ant 8			Ant 3+8					Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.			Power High Ch./Freq.
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3024.89	3078.98	3072	3024.89	3078.98	3072	3024.89	3078.98	3072	3024.89	3078.98		
40	QPSK	1	1	14.92	15.02	14.95	14.92	15.05	14.97	17.92	18.05	17.97			19.5	0.0	
40	QPSK	1	63	14.82	15.01	14.93	14.87	14.93	14.91	17.86	17.96	17.93					
40	QPSK	1	104	14.77	14.99	14.92	14.89	15.01	14.85	17.84	18.01	17.90					
40	QPSK	63	0	14.89	14.89	14.92	14.83	15.01	14.95	17.87	17.96	17.95			19.5	0.0	
40	QPSK	63	27	15.01	15.05	15.03	14.88	15.03	14.98	17.91	18.03	17.95			19.5	0.0	
40	QPSK	63	63	14.77	14.95	14.88	14.77	14.98	14.95	17.78	17.97	17.93			19.5	0.0	
40	QPSK	105	0	14.86	14.96	14.92	14.84	14.95	14.92	17.86	17.97	17.93					
40	16QAM	1	1	14.90	15.00	14.88	14.86	15.04	14.94	17.89	18.03	17.92			19.5	0.0	
40	64QAM	1	1	14.88	14.88	14.93	14.78	14.98	14.85	17.85	17.94	17.90			19.5	0.0	
40	256QAM	1	1	14.72	14.69	14.67	14.66	14.64	14.67	17.65	17.68	17.63			19.5	0.0	

Part96_n48				Ant 3			Ant 6			Ant 3+6					Tune-up limit (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.			Power High Ch./Freq.
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3024.89	3078.98	3072	3024.89	3078.98	3072	3024.89	3078.98	3072	3024.89	3078.98		
40	QPSK	1	1	13.25	13.30	13.22	12.00	12.08	12.02	15.68	15.74	15.67			17.5	0.0	
40	QPSK	1	63	13.12	13.29	13.12	11.86	11.98	11.97	15.55	15.69	15.59					
40	QPSK	1	104	13.21	13.29	13.18	11.88	11.95	11.95	15.61	15.68	15.62					
40	QPSK	63	0	13.15	13.20	13.23	11.95	11.95	11.88	15.60	15.63	15.62			17.5	0.0	
40	QPSK	63	27	13.16	13.26	13.24	11.98	12.00	12.00	15.61	15.71	15.68			17.5	0.0	
40	QPSK	63	63	13.12	13.18	13.14	11.93	12.01	11.90	15.58	15.64	15.57			17.5	0.0	
40	QPSK	105	0	13.13	13.20	13.13	11.98	12.03	11.98	15.60	15.65	15.59					
40	16QAM	1	1	13.11	13.22	13.19	11.95	12.04	11.87	15.58	15.68	15.59			17.5	0.0	
40	64QAM	1	1	13.19	13.25	13.19	11.88	12.01	11.87	15.59	15.68	15.59			17.5	0.0	
40	256QAM	1	1	13.13	13.29	13.23	11.97	11.97	12.00	15.60	15.69	15.67			17.5	0.0	



Part27O_n77(PC2)				Ant 4			Ant 6			Ant 4+6			Time-up (min)	MPTD (dB)	
Ant 2/3/4	Modulation	FS (km)	HS Offset	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class				
				Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.	Ch. 1 Freq.	Ch. 2 Freq.	Ch. 3 Freq.			
Frequency (MHz)				2700	2695	2705	2700	2695	2705	2700	2695	2705			
100	FS-FM/FS-C	1	1	15.84	15.82	15.83	15.76	15.84	15.84	15.82	15.82	15.84	19.5	0.0	
100	FS-FM/FS-C	1	107	15.83	15.82	15.83	15.85	15.87	15.88	15.84	15.82	15.84	19.5	0.0	
100	FS-FM/FS-C	1	271	15.82	15.81	15.81	15.82	15.84	15.79	15.82	15.82	15.84	19.5	0.0	
100	FS-FM/FS-C	100	0	15.87	15.85	15.85	15.79	15.79	15.71	15.82	15.82	15.84	19.5	0.0	
100	FS-FM/FS-C	100	100	15.84	15.82	15.87	15.79	15.74	15.71	15.82	15.71	15.82	19.5	0.0	
100	FS-FM/FS-C	100	100	15.82	15.82	15.84	15.82	15.82	15.74	15.82	15.84	15.84	19.5	0.0	
100	FS-FM/FS-C	200	0	15.82	15.82	15.87	15.85	15.84	15.78	15.81	15.84	15.84	19.5	0.0	
100	FS-FM/FS-C	1	1	15.79	15.79	15.81	15.81	15.81	15.81	15.81	15.81	15.81	19.5	0.0	
100	FS-FM/FS-C	1	107	15.84	15.82	15.82	15.76	15.76	15.84	15.84	15.84	15.72	19.5	0.0	
100	FS-FM/FS-C	1	271	15.82	15.82	15.82	15.82	15.78	15.82	15.82	15.82	15.82	19.5	0.0	
100	FS-FM/FS-C	100	0	15.82	15.82	15.87	15.84	15.85	15.72	15.82	15.82	15.84	19.5	0.0	
100	FS-FM/FS-C	100	100	15.87	15.82	15.82	15.79	15.72	15.72	15.71	15.81	15.72	19.5	0.0	
100	FS-FM/FS-C	100	100	15.82	15.82	15.87	15.84	15.84	15.72	15.82	15.81	15.82	19.5	0.0	
100	FS-FM/FS-C	200	0	15.82	15.82	15.86	15.79	15.81	15.82	15.82	15.82	15.82	19.5	0.0	
100	FS-FM/FS-C	1	1	15.87	15.85	15.82	15.82	15.87	15.79	15.81	15.84	15.84	19.5	0.0	
100	FS-FM/FS-C	1	1	15.81	15.82	15.82	15.71	15.87	15.71	15.82	15.82	15.82	19.5	0.0	
100	FS-FM/FS-C	1	1	15.82	15.82	15.82	15.82	15.82	15.82	15.82	15.82	15.82	19.5	0.0	



Part27Q_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-up time (min)	MPT (min)
Site Name	Modulation	RS Size	RS Offset	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)		
Frequency Range														
100	PSK256Q	1	1	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25		
100	PSK256Q	1	197	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	PSK256Q	1	371	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25		
100	PSK256Q	105	0	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	PSK256Q	105	150	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	PSK256Q	105	300	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QPSK	1	1	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25		
100	QPSK	1	197	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QPSK	1	371	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25		
100	QPSK	105	0	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QPSK	105	150	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QPSK	105	300	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QAM16	1	1	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QAM16	1	197	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QAM16	1	371	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25		
100	QAM16	105	0	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QAM16	105	150	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0
100	QAM16	105	300	18.25	17.75	18.25	17.75	18.25	17.75	18.25	17.75	18.25	22.0	0.0

Part27Q_n77(PC1.5)				Ant 3			Ant 8			Ant 3+8			Time-up time (min)	MPT (min)
Site Name	Modulation	RS Size	RS Offset	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)	Power Level (Ch. 1/Freq.)	Power Level (Ch. 2/Freq.)	Power Level (Ch. 3/Freq.)		
Frequency Range														
100	PSK256Q	1	1	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25		
100	PSK256Q	1	197	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	PSK256Q	1	371	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25		
100	PSK256Q	105	0	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	PSK256Q	105	150	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	PSK256Q	105	300	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QPSK	1	1	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25		
100	QPSK	1	197	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QPSK	1	371	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25		
100	QPSK	105	0	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QPSK	105	150	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QPSK	105	300	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QAM16	1	1	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QAM16	1	197	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QAM16	1	371	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25		
100	QAM16	105	0	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QAM16	105	150	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0
100	QAM16	105	300	17.25	16.75	17.25	16.75	17.25	16.75	17.25	16.75	17.25	22.0	0.0



Part27O_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-to-Best (min)	SFRP (dB)
Ant 3(Sig)	Modem	IS-204	IS-204a	Power Level	Power Ch. Freq.	Power Freq. Ch. Freq.	Power Level	Power Ch. Freq.	Power Freq. Ch. Freq.	Power Level	Power Ch. Freq.	Power Freq. Ch. Freq.		
Summary				2700	3600	3600	2700	3600	3600	2700	3600	3600		
100	PC2700	1	1	18.08	18.12	18.08	17.92	18.00	17.96	17.96	18.00	18.00	20.0	0.0
100	PC2700	1	1	18.05	18.07	18.05	17.95	18.06	17.94	18.05	18.05	18.05	20.0	0.0
100	PC2700	1	271	18.04	18.02	18.04	17.88	18.06	17.82	18.05	18.06	18.06	20.0	0.0
100	PC2700	1	361	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	362	18.01	18.01	18.01	18.02	18.02	18.02	18.02	18.02	18.02	20.0	0.0
100	PC2700	1	363	18.02	18.02	18.02	18.04	18.04	18.04	18.04	18.04	18.04	20.0	0.0
100	PC2700	1	364	18.03	18.03	18.03	18.01	18.03	17.98	18.02	18.01	18.03	20.0	0.0
100	PC2700	1	365	18.02	18.02	18.02	18.01	18.01	17.99	18.01	18.01	18.01	20.0	0.0
100	PC2700	1	366	18.02	18.02	18.02	18.05	18.05	17.98	18.02	18.02	18.02	20.0	0.0
100	PC2700	1	367	18.02	18.02	18.02	18.06	18.06	17.96	18.02	18.02	18.02	20.0	0.0
100	PC2700	1	368	18.08	18.12	18.07	17.95	18.00	18.01	18.02	18.02	18.02	20.0	0.0
100	PC2700	1	369	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	370	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	371	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	372	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	373	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	374	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	375	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	376	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	377	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	378	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	379	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	380	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	381	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	382	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	383	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	384	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	385	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	386	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	387	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	388	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	389	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	390	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	391	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	392	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	393	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	394	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	395	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	396	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	397	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	398	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	399	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0
100	PC2700	1	400	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	20.0	0.0



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	15.81	15.64	15.74	15.81	15.64	15.74	15.81	15.64	15.74	20.5	0.0
100	QPSK	1	137	15.73	15.54	15.65	15.73	15.54	15.65	15.73	15.54	15.65	20.5	0.0
100	QPSK	1	271	15.88	15.54	18.62	15.88	15.54	18.62	15.88	15.54	18.62	20.5	0.0
100	QPSK	137	0	15.88	15.51	18.61	15.88	15.51	18.61	15.88	15.51	18.61	20.5	0.0
100	QPSK	137	68	15.90	15.63	18.73	15.90	15.63	18.73	15.90	15.63	18.69	20.5	0.0
100	QPSK	137	136	15.75	15.61	18.69	15.75	15.61	18.69	15.75	15.61	18.69	20.5	0.0
100	QPSK	273	0	15.69	15.58	18.65	15.69	15.58	18.65	15.69	15.58	18.65	20.5	0.0
100	16QAM	1	1	15.67	15.54	18.62	15.67	15.54	18.62	15.67	15.54	18.62	20.5	0.0
100	64QAM	1	1	15.76	15.62	18.70	15.76	15.62	18.70	15.76	15.62	18.69	20.5	0.0
100	256QAM	1	1	15.76	15.57	18.69	15.76	15.57	18.69	15.76	15.57	18.69	20.5	0.0

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3725			3725			3725				
100	QPSK	1	1	15.65	15.56	18.68	15.65	15.56	18.68	15.65	15.56	18.68	20.5	0.0
100	QPSK	1	137	15.66	15.57	18.63	15.66	15.57	18.63	15.66	15.57	18.63	20.5	0.0
100	QPSK	1	271	15.55	15.63	18.60	15.55	15.63	18.60	15.55	15.63	18.60	20.5	0.0
100	QPSK	137	0	15.61	15.59	18.61	15.61	15.59	18.61	15.61	15.59	18.61	20.5	0.0
100	QPSK	137	68	15.67	15.63	18.66	15.67	15.63	18.66	15.67	15.63	18.66	20.5	0.0
100	QPSK	137	136	15.56	15.60	18.59	15.56	15.60	18.59	15.56	15.60	18.59	20.5	0.0
100	QPSK	273	0	15.58	15.58	18.58	15.58	15.58	18.58	15.58	15.58	18.58	20.5	0.0
100	16QAM	1	1	15.61	15.64	18.64	15.61	15.64	18.64	15.61	15.64	18.64	20.5	0.0
100	64QAM	1	1	15.54	15.57	18.57	15.54	15.57	18.57	15.54	15.57	18.57	20.5	0.0
100	256QAM	1	1	15.65	15.54	18.61	15.65	15.54	18.61	15.65	15.54	18.61	20.5	0.0



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	14.71			14.65			17.74			19.5	0.0
100	QPSK	1	137	14.62			14.64			17.64			19.5	0.0
100	QPSK	1	271	14.65			14.63			17.65			19.5	0.0
100	QPSK	137	0	14.72			14.67			17.66			19.5	0.0
100	QPSK	137	68	14.74			14.61			17.70			19.5	0.0
100	QPSK	137	135	14.65			14.60			17.64			19.5	0.0
100	QPSK	273	0	14.71			14.60			17.65			19.5	0.0
100	16QAM	1	1	14.70			14.67			17.70			19.5	0.0
100	64QAM	1	1	14.66			14.60			17.65			19.5	0.0
100	256QAM	1	1	14.70			14.62			17.67			19.5	0.0



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3743	3743	3743	3743	3743	3743	3743	3743	3743		
100	QPSK	1	1	14.67	14.68	14.69	14.68	14.69	14.70	14.69	14.70	14.71	19.5	0.0
100	QPSK	1	137	14.58	14.53	14.53	14.53	14.54	14.54	14.54	14.55	14.56		
100	QPSK	1	271	14.54	14.54	14.54	14.54	14.54	14.54	14.54	14.55	14.56		
100	QPSK	137	0	14.56	14.64	14.64	14.64	14.64	14.64	14.64	14.65	14.66	19.5	0.0
100	QPSK	137	68	14.65	14.65	14.65	14.65	14.65	14.65	14.65	14.66	14.67	19.5	0.0
100	QPSK	137	136	14.60	14.53	14.53	14.53	14.53	14.53	14.53	14.54	14.55	19.5	0.0
100	QPSK	273	0	14.58	14.60	14.60	14.60	14.60	14.60	14.60	14.61	14.62	19.5	0.0
100	16QAM	1	1	14.53	14.60	14.60	14.60	14.60	14.60	14.60	14.61	14.62	19.5	0.0
100	64QAM	1	1	14.54	14.60	14.60	14.60	14.60	14.60	14.60	14.61	14.62	19.5	0.0
100	256QAM	1	1	14.50	14.61	14.61	14.61	14.61	14.61	14.61	14.62	14.63	19.5	0.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8					
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				633332			633332			633332					
Frequency (MHz)				3493.68	3493.68	3493.68	3493.68	3493.68	3493.68	3493.68	3493.68	3493.68	3493.68		
100	QPSK	1	1	17.16	17.16	17.16	17.16	17.16	17.16	17.16	17.16	17.16	22.0	0.0	
100	QPSK	1	137	17.30	17.03	17.03	17.03	17.03	17.03	17.03	17.03	17.03	22.0	0.0	
100	QPSK	1	271	17.12	17.11	17.11	17.11	17.11	17.11	17.11	17.11	17.11	22.0	0.0	
100	QPSK	137	0	17.06	17.03	17.03	17.03	17.03	17.03	17.03	17.03	17.03	22.0	0.0	
100	QPSK	137	68	17.09	17.06	17.06	17.06	17.06	17.06	17.06	17.06	17.06	22.0	0.0	
100	QPSK	137	136	17.04	17.04	17.04	17.04	17.04	17.04	17.04	17.04	17.04	22.0	0.0	
100	QPSK	273	0	17.13	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	22.0	0.0	
100	16QAM	1	1	17.11	17.03	17.03	17.03	17.03	17.03	17.03	17.03	17.03	22.0	0.0	
100	64QAM	1	1	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	17.12	22.0	0.0	
100	256QAM	1	1	17.09	16.91	16.91	16.91	16.91	16.91	16.91	16.91	16.91	21.5	0.5	



Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000	650000	650000	650000	650000	650000	650000		
Frequency (MHz)				17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14	17.14		
100	QPSK	1	1	17.17			17.14			17.14		20.17		
100	QPSK	1	137	17.14			17.12			17.12		20.14	22.0	0.0
100	QPSK	1	271	17.08			17.04			17.04		20.07		
100	QPSK	137	0	17.04			17.01			17.01		20.04	22.0	0.0
100	QPSK	137	68	17.11			17.05			17.05		20.11	22.0	0.0
100	QPSK	137	136	17.08			17.03			17.03		20.07	22.0	0.0
100	QPSK	273	0	17.06			17.08			17.08		20.08		
100	16QAM	1	1	17.15			17.05			17.05		20.11	22.0	0.0
100	64QAM	1	1	17.14			17.06			17.06		20.11	22.0	0.0
100	256QAM	1	1	17.10			17.00			17.00		20.06	21.5	0.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				63332			63332			63332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	14.63			14.64			17.65			19.5	0.0
100	QPSK	1	137	14.54			14.53			17.55				
100	QPSK	1	271	14.56			14.52			17.55				
100	QPSK	137	0	14.59			14.52			17.57			19.5	0.0
100	QPSK	137	68	14.61			14.62			17.53			19.5	0.0
100	QPSK	137	136	14.58			14.51			17.56			19.5	0.0
100	QPSK	273	0	14.52			14.61			17.58			19.5	0.0
100	16QAM	1	1	14.48			14.58			17.54			19.5	0.0
100	64QAM	1	1	14.60			14.55			17.59			19.5	0.0
100	256QAM	1	1	14.49			14.49			17.50			19.5	0.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				65000			65000			65000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	14.66			14.66			17.67			19.5	0.0
100	QPSK	1	137	14.56			14.61			17.60				
100	QPSK	1	271	14.52			14.58			17.56				
100	QPSK	137	0	14.51			14.60			17.57			19.5	0.0
100	QPSK	137	68	14.55			14.63			17.65			19.5	0.0
100	QPSK	137	136	14.59			14.52			17.57			19.5	0.0
100	QPSK	273	0	14.55			14.52			17.55			19.5	0.0
100	16QAM	1	1	14.53			14.55			17.55			19.5	0.0
100	64QAM	1	1	14.51			14.53			17.53			19.5	0.0
100	256QAM	1	1	14.61			14.66			17.64			19.5	0.0



Reduced Power Mode for DS19 UL MIMO

n2				Ant 2			Ant 1			Ant 2+1			Tune-up Int. (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P12 BPSK	1	1	22.43	22.55	22.53	22.25	22.33	22.26	25.35	25.45	25.41		
40	P12 BPSK	1	108	22.43	22.56	22.47	22.33	22.30	22.32	25.39	25.44	25.41	26.5	0.0
40	P12 BPSK	1	214	22.48	22.60	22.51	22.34	22.33	22.35	25.42	25.48	25.44		
40	P12 BPSK	108	0	21.51	21.70	21.62	21.88	22.00	21.93	24.76	24.86	24.79	26.0	0.5
40	P12 BPSK	108	54	22.41	22.60	22.50	22.36	22.35	22.22	25.40	25.49	25.37	26.5	0.0
40	P12 BPSK	108	108	21.79	21.80	21.72	21.85	21.98	21.96	24.83	24.90	24.85		
40	P12 BPSK	216	0	21.79	21.88	21.73	21.80	21.95	21.93	24.81	24.93	24.84	26.0	0.5
40	QPSK	1	1	22.30	22.64	22.60	22.30	22.42	22.38	25.45	25.54	25.49		
40	QPSK	1	108	22.40	22.50	22.37	22.37	22.36	22.26	25.40	25.44	25.43	26.5	0.0
40	QPSK	1	214	22.42	22.52	22.39	22.34	22.35	22.23	25.39	25.45	25.42		
40	QPSK	108	0	21.13	21.15	21.11	21.54	21.57	21.56	24.35	24.38	24.35	25.5	1.0
40	QPSK	108	54	22.52	22.61	22.45	22.34	22.38	22.39	25.44	25.51	25.39	26.5	0.0
40	QPSK	108	108	21.99	21.19	21.16	21.57	21.65	21.52	24.35	24.44	24.35		
40	QPSK	216	0	21.13	21.20	21.14	21.52	21.60	21.51	24.34	24.41	24.34	25.5	1.0
40	16QAM	1	1	21.58	21.65	21.60	21.79	21.87	21.80	24.70	24.77	24.71	25.5	1.0
40	64QAM	1	1	19.86	20.00	19.99	20.34	20.35	20.27	23.12	23.19	23.14	24.5	2.0
40	256QAM	1	1	17.60	17.70	17.61	17.82	17.97	17.96	20.72	20.85	20.80	22.5	4.0

n2				Ant 0			Ant 3			Ant 0+3			Tune-up Int. (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				314200	316000	318000	314200	316000	318000	314200	316000	318000		
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890		
40	P12 BPSK	1	1	22.78	22.86	22.79	22.48	22.57	22.50	25.64	25.73	25.66		
40	P12 BPSK	1	108	22.66	22.75	22.60	22.50	22.52	22.50	25.59	25.65	25.56	27.0	0.0
40	P12 BPSK	1	214	22.69	22.80	22.68	22.52	22.56	22.50	25.62	25.69	25.60		
40	P12 BPSK	108	0	21.61	21.62	21.56	21.59	21.65	21.53	24.61	24.65	24.56	26.0	1.0
40	P12 BPSK	108	54	22.83	22.98	22.74	22.46	22.55	22.42	25.66	25.73	25.59	27.0	0.0
40	P12 BPSK	108	108	21.56	21.70	21.64	21.61	21.72	21.67	24.60	24.72	24.62		
40	P12 BPSK	216	0	21.59	21.66	21.53	21.66	21.69	21.56	24.64	24.69	24.56	26.0	1.0
40	QPSK	1	1	22.84	22.90	22.69	22.52	22.60	22.55	25.69	25.76	25.73		
40	QPSK	1	108	22.83	22.86	22.72	22.49	22.57	22.43	25.67	25.73	25.59	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.40	22.50	22.35	25.56	25.66	25.58		
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.37	22.52	22.51	25.61	25.70	25.62	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35		
40	QPSK	216	0	21.62	21.65	21.53	21.17	21.20	21.16	24.41	24.44	24.36	25.5	1.5
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.16	21.05	24.40	24.53	24.41	25.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	4.5



n2				Ant 0			Ant 1			Ant 0+1			Tune-up Amt (dBm)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.			
Channel				314400	316500	318600	314400	316500	318600	314400	316500	318600			
Frequency (MHz)				1870	1890	1890	1870	1890	1890	1870	1890	1890			
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69			
40	PI2 BPSK	1	108	22.66	22.75	22.60	22.54	22.63	22.57	25.61	25.70	25.60	27.0	0.0	
40	PI2 BPSK	1	214	22.69	22.80	22.68	22.63	22.65	22.64	25.67	25.74	25.67			
40	PI2 BPSK	108	0	21.51	21.52	21.56	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0	
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0	
40	PI2 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0	
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.80	21.75	21.73	24.61	24.72	24.64			
40	QPSK	1	1	22.84	22.90	22.85	22.65	22.75	22.73	25.77	25.84	25.62			
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.79	25.68	27.0	0.0	
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67			
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.53	24.50	25.5	1.5	
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.69	25.70	25.79	25.71	27.0	0.0	
40	QPSK	108	108	21.62	21.70	21.65	21.37	21.45	21.32	24.51	24.59	24.50	25.5	1.5	
40	QPSK	216	0	21.52	21.65	21.53	21.32	21.40	21.21	24.48	24.54	24.43			
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67	25.5	1.5	
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.0	
40	256QAM	1	1	17.97	18.00	17.91	17.82	17.77	17.76	20.81	20.90	20.85	22.5	4.5	

n25				Ant 2			Ant 1			Ant 2+1			Tune-up Amt (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				314400	316500	318600	314400	316500	318600	314400	316500	318600		
Frequency (MHz)				1870	1892.5	1895	1870	1892.5	1895	1870	1892.5	1895		
40	PI2 BPSK	1	1	22.48	22.54	22.52	22.91	23.01	22.99	25.71	25.79	25.77		
40	PI2 BPSK	1	108	22.50	22.62	22.48	22.39	22.36	23.02	25.76	25.80	25.77	26.5	0.0
40	PI2 BPSK	1	214	22.51	22.66	22.59	22.73	23.03	23.04	25.63	25.66	25.63		
40	PI2 BPSK	108	0	21.58	21.56	21.61	21.67	22.12	22.10	24.89	25.05	24.87	26.0	0.5
40	PI2 BPSK	108	54	22.55	22.66	22.50	22.94	22.95	23.00	25.76	25.82	25.77	26.5	0.0
40	PI2 BPSK	108	108	21.85	21.90	21.76	21.94	22.21	22.22	24.91	25.07	25.01	26.0	0.5
40	PI2 BPSK	216	0	21.79	21.85	21.74	21.81	22.11	22.08	24.81	24.99	24.92		
40	QPSK	1	1	22.95	22.87	22.80	23.00	23.10	23.08	25.81	25.90	25.66		
40	QPSK	1	108	22.44	22.52	22.55	22.86	22.87	22.86	25.67	25.76	25.77	26.5	0.0
40	QPSK	1	214	22.49	22.55	22.52	22.85	23.09	23.06	25.68	25.84	25.81		
40	QPSK	108	0	21.49	21.55	21.47	21.17	21.45	21.45	24.34	24.51	24.47	25.5	1.0
40	QPSK	108	54	22.57	22.63	22.55	22.34	23.08	23.06	25.77	25.87	25.83	26.5	0.0
40	QPSK	108	108	21.44	21.50	21.35	21.22	21.52	21.49	24.34	24.52	24.43	25.5	1.0
40	QPSK	216	0	21.43	21.45	21.30	21.16	21.43	21.40	24.21	24.43	24.36		
40	16QAM	1	1	21.54	21.66	21.54	21.56	21.83	21.79	24.56	24.76	24.68	25.5	1.0
40	64QAM	1	1	20.22	20.25	20.14	20.10	20.40	20.40	23.17	23.34	23.28	24.5	2.0
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	4.0



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	23.23	23.63	23.57	22.86	22.94	22.89	26.06	26.31	26.25		
40	PI2 BPSK	1	108	23.04	23.46	23.43	22.76	22.80	22.79	25.91	26.15	26.13	27.0	0.0
40	PI2 BPSK	1	214	23.21	23.61	23.54	22.62	22.76	22.73	25.94	26.22	26.16		
40	PI2 BPSK	108	0	21.99	22.38	22.33	21.63	21.67	21.63	24.82	25.05	25.00	26.0	1.0
40	PI2 BPSK	108	54	22.98	23.37	23.33	22.77	22.82	22.71	25.99	26.11	26.04	27.0	0.0
40	PI2 BPSK	108	108	22.07	22.45	22.42	21.60	21.75	21.71	24.85	25.12	25.09		
40	PI2 BPSK	216	0	22.00	22.40	22.33	21.61	21.70	21.63	24.82	25.07	25.00	26.0	1.0
40	QPSK	1	1	23.25	23.67	23.64	22.55	22.58	22.53	26.11	26.36	26.31		
40	QPSK	1	108	23.19	23.58	23.53	22.70	22.83	22.80	25.96	26.24	26.19	27.0	0.0
40	QPSK	1	214	23.19	23.62	23.57	22.70	22.80	22.79	25.96	26.24	26.21		
40	QPSK	108	0	21.17	21.60	21.47	21.09	21.17	21.14	24.14	24.37	24.32	25.5	1.5
40	QPSK	108	54	22.98	23.38	23.32	22.77	22.79	22.73	25.99	26.11	26.05	27.0	0.0
40	QPSK	108	108	21.34	21.72	21.68	21.09	21.13	21.09	24.23	24.45	24.41	25.5	1.5
40	QPSK	216	0	21.30	21.68	21.61	21.02	21.15	21.04	24.17	24.43	24.34		
40	16QAM	1	1	21.68	22.08	22.03	21.15	21.30	21.18	24.43	24.72	24.64	25.5	1.5
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	2.5
40	256QAM	1	1	17.70	18.06	18.00	17.51	17.66	17.56	20.62	20.89	20.80	22.5	4.5

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				314200	316500	319000	314200	316500	319000	314200	316500	319000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	23.06	23.10	23.02	22.95	23.04	22.91	26.02	26.08	25.98		
40	PI2 BPSK	1	108	23.01	23.08	23.05	22.73	22.79	22.85	25.88	25.95	25.96	27.0	0.0
40	PI2 BPSK	1	214	23.01	23.02	22.97	22.65	22.76	22.66	25.94	25.90	25.83		
40	PI2 BPSK	108	0	22.51	22.60	22.59	22.02	22.12	22.01	25.29	25.38	25.32	26.0	1.0
40	PI2 BPSK	108	54	23.10	23.11	23.04	22.53	22.54	22.52	25.83	25.89	25.80	27.0	0.0
40	PI2 BPSK	108	108	22.44	22.53	22.38	22.11	22.17	22.03	25.29	25.36	25.22		
40	PI2 BPSK	216	0	22.53	22.55	22.41	22.07	22.18	22.03	25.32	25.38	25.23	26.0	1.0
40	QPSK	1	1	23.16	23.20	23.07	22.99	23.08	22.95	26.10	26.15	26.03		
40	QPSK	1	108	23.03	23.14	23.01	22.81	22.92	22.77	25.83	26.04	25.90	27.0	0.0
40	QPSK	1	214	22.92	23.05	22.94	22.95	23.06	22.94	25.95	26.07	25.95		
40	QPSK	108	0	21.99	22.08	22.00	21.30	21.43	21.28	24.69	24.78	24.67	25.5	1.5
40	QPSK	108	54	22.96	23.10	23.03	22.77	22.87	22.77	25.88	26.00	25.91	27.0	0.0
40	QPSK	108	108	21.94	22.05	21.96	21.49	21.55	21.49	24.73	24.82	24.70	25.5	1.5
40	QPSK	216	0	21.99	21.90	21.75	21.36	21.45	21.31	24.54	24.64	24.55		
40	16QAM	1	1	22.08	22.10	22.07	21.96	22.03	21.93	25.03	25.08	25.01	25.5	1.5
40	64QAM	1	1	20.56	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	2.5
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	4.5



n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				346500	349500	352500	346500	349500	352500	346500	349500	352500				
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760				
40	PI2 BPSK	1	1	23.25	23.32	23.26	23.28	23.67	23.84	26.28	26.51	26.46	27.0	0.0		
40	PI2 BPSK	1	108	23.29	23.38	23.33	23.41	23.78	23.73	26.36	26.59	26.54				
40	PI2 BPSK	1	214	23.29	23.35	23.30	23.12	23.54	23.48	26.22	26.46	26.40				
40	PI2 BPSK	108	0	22.94	22.69	22.81	22.14	22.85	22.49	25.10	25.34	25.27	26.0	1.0		
40	PI2 BPSK	108	54	23.17	23.22	23.17	23.13	23.52	23.49	26.16	26.38	26.34	27.0	0.0		
40	PI2 BPSK	108	108	22.05	22.12	22.07	22.14	22.96	22.52	25.11	25.36	25.31	26.0	1.0		
40	PI2 BPSK	216	0	22.06	22.14	22.07	22.00	22.42	22.41	25.04	25.29	25.25	27.0	0.0		
40	QPSK	1	1	23.23	23.29	23.23	23.41	23.81	23.79	26.38	26.62	26.58				
40	QPSK	1	108	23.22	23.31	23.23	23.32	23.14	23.73	26.28	26.54	26.50				
40	QPSK	1	214	23.30	23.36	23.28	23.34	23.76	23.70	26.33	26.57	26.51	27.0	0.0		
40	QPSK	108	0	21.24	21.30	21.27	21.29	21.68	21.84	24.28	24.50	24.47			25.5	1.5
40	QPSK	108	54	23.29	23.37	23.31	23.31	23.70	23.69	26.31	26.55	26.50			27.0	0.0
40	QPSK	108	108	21.35	21.42	21.38	21.36	21.75	21.69	24.37	24.60	24.55	26.5	1.5		
40	QPSK	216	0	21.22	21.29	21.24	21.30	21.68	21.67	24.27	24.50	24.47	26.5	1.5		
40	16QAM	1	1	21.68	21.72	21.64	21.76	22.14	22.11	24.72	24.95	24.89			25.5	1.5
40	16QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.81	23.24	23.46	23.40			24.5	2.5
40	256QAM	1	1	17.85	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	4.5		

n66				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.				
Channel				346500	349500	352500	346500	349500	352500	346500	349500	352500				
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760				
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12	27.0	0.0		
40	PI2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11				
40	PI2 BPSK	1	214	23.30	23.40	23.35	22.90	22.94	22.84	26.11	26.19	26.11				
40	PI2 BPSK	108	0	22.88	22.69	22.67	21.62	21.70	21.62	25.19	25.23	25.19	26.0	1.0		
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	25.17	25.20	25.09	27.0	0.0		
40	PI2 BPSK	108	108	22.80	22.85	22.57	21.58	21.65	21.50	25.13	25.19	25.08	26.0	1.0		
40	PI2 BPSK	216	0	22.89	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13	27.0	0.0		
40	QPSK	1	1	23.45	23.59	23.43	22.99	23.00	22.99	26.22	26.27	26.22				
40	QPSK	1	108	23.37	23.44	23.39	22.76	22.90	22.81	26.08	26.19	26.12				
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05	27.0	0.0		
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54			25.5	1.5
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13			27.0	0.0
40	QPSK	108	108	22.00	22.15	22.02	21.07	21.12	21.06	24.57	24.68	24.58	26.5	1.5		
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.58				
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76			25.5	1.5
40	16QAM	1	1	20.85	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5		
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5		



n66				Ant 0			Ant 1			Ant 0+1			Tune-up Amt (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				346500	346500	350000	346500	346500	350000	346500	346500	350000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.39	23.52	23.43	23.30	23.37	23.31	26.36	26.46	26.38		
40	PI2 BPSK	1	108	23.33	23.48	23.36	23.26	23.35	23.28	26.31	26.43	26.33	27.0	0.0
40	PI2 BPSK	1	214	23.34	23.47	23.40	23.26	23.33	23.24	26.31	26.41	26.33		
40	PI2 BPSK	108	0	23.79	23.91	23.83	23.67	23.75	22.68	25.74	25.84	25.77	26.0	1.0
40	PI2 BPSK	108	54	23.30	23.43	23.36	23.18	23.23	23.15	26.25	26.34	26.27	27.0	0.0
40	PI2 BPSK	108	108	22.70	22.85	22.78	22.46	22.51	22.42	25.59	25.69	25.61	26.0	1.0
40	PI2 BPSK	216	0	22.81	22.92	22.83	22.44	22.52	22.48	25.64	25.73	25.67		
40	QPSK	1	1	23.44	23.57	23.50	23.35	23.41	23.37	26.41	26.51	26.45		
40	QPSK	1	108	23.38	23.54	23.42	23.28	23.36	23.29	26.35	26.46	26.36	27.0	0.0
40	QPSK	1	214	23.35	23.51	23.39	23.32	23.40	23.32	26.35	26.47	26.37		
40	QPSK	108	0	21.93	22.07	21.98	21.74	21.82	21.75	24.85	24.96	24.88	25.5	1.5
40	QPSK	108	54	23.34	23.49	23.37	23.23	23.27	23.23	26.30	26.39	26.31	27.0	0.0
40	QPSK	108	108	21.87	22.01	21.90	21.65	21.72	21.64	24.77	24.88	24.78	25.5	1.5
40	QPSK	216	0	21.30	21.42	21.33	21.15	21.20	21.11	24.24	24.33	24.23		
40	16QAM	1	1	22.25	22.36	22.24	22.23	22.27	22.20	25.25	25.33	25.23	25.5	1.5
40	16QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	2.5
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	4.5



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			505002	518508	528000	505002	518508	528000	505002	518508	528000		
	Frequency (MHz)			2241	2242	2243	2241	2242	2243	2241	2242	2243		
100	PC2BPSK	1	1	22.41	22.44	22.85	22.41	22.44	22.85	22.41	22.44	22.85		
100	PC2BPSK	1	137	22.18	22.84	22.87	22.81	22.85	22.88	25.41	25.86	25.83		
100	PC2BPSK	1	271	22.15	22.87	22.80	22.47	22.77	22.84	25.32	25.75	25.72		
100	PC2BPSK	135	5	22.05	22.79	22.75	22.51	22.76	22.51	25.30	25.70	25.67		
100	PC2BPSK	135	89	22.26	22.87	22.81	22.50	22.85	22.68	25.39	25.87	25.75		
100	PC2BPSK	135	158	22.05	22.87	22.80	22.38	22.85	22.45	25.19	25.67	25.59		
100	PC2BPSK	270	5	22.21	22.80	22.82	22.43	22.77	22.78	25.31	25.80	25.80		
100	QPSK	1	1	22.41	22.04	22.02	22.10	22.05	22.11	25.01	25.06	25.06		
100	QPSK	1	137	22.18	22.84	22.81	22.87	22.88	22.78	25.41	25.86	25.86		
100	QPSK	1	271	22.14	22.82	22.88	22.54	22.52	22.54	25.40	25.78	25.78		
100	QPSK	135	0	22.18	22.30	22.88	22.36	22.88	22.66	25.38	25.89	25.78		
100	QPSK	135	89	22.14	22.88	22.80	22.55	22.87	22.67	25.37	25.89	25.89		
100	QPSK	135	158	22.12	22.78	22.76	22.43	22.77	22.55	25.29	25.78	25.67		
100	QPSK	270	0	22.27	22.03	22.85	22.33	22.59	22.81	25.02	25.84	25.84		
100	SSBAM	1	1	22.48	22.84	22.83	22.78	22.84	22.79	25.80	25.80	22.81		
100	SSBAM	1	1	22.52	22.88	22.86	22.84	22.84	22.85	25.49	25.50	25.50		
100	SSBAM	1	1	20.55	21.14	21.11	20.79	20.99	21.10	20.88	20.40	20.12		

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			505002	518508	528000	505002	518508	528000	505002	518508	528000		
	Frequency (MHz)			2241	2242	2243	2241	2242	2243	2241	2242	2243		
100	PC1BPSK	1	1	22.41	22.97	22.82	22.41	22.97	22.84	22.41	22.97	22.84		
100	PC1BPSK	1	137	22.04	22.48	22.40	22.02	22.17	22.03	22.04	22.30	22.23		
100	PC1BPSK	1	271	22.01	22.40	22.40	22.03	22.16	22.03	22.03	22.30	22.23		
100	PC1BPSK	135	5	22.02	22.94	22.92	22.07	22.71	22.90	22.96	22.81	22.81		
100	PC1BPSK	135	89	22.00	22.22	22.18	22.07	22.11	22.07	22.05	22.18	22.14		
100	PC1BPSK	135	158	22.14	22.80	22.58	22.38	22.58	22.46	22.27	22.63	22.53		
100	PC1BPSK	270	5	22.01	22.90	22.98	22.30	22.82	22.48	22.33	22.62	22.80		
100	QPSK	1	1	22.41	22.03	22.00	22.02	22.06	22.01	22.06	22.05	22.07		
100	QPSK	1	137	22.08	22.91	22.45	22.91	22.52	22.40	22.21	22.41	22.44		
100	QPSK	1	271	22.00	22.44	22.40	22.10	22.42	22.27	22.11	22.41	22.30		
100	QPSK	135	0	22.09	22.81	22.37	22.37	22.44	22.44	22.24	22.40	22.52		
100	QPSK	135	89	22.04	22.84	22.84	22.04	22.84	22.84	22.04	22.84	22.84		
100	QPSK	135	158	22.01	22.35	22.29	22.08	22.20	22.10	22.06	22.29	22.21		
100	QPSK	270	0	22.01	22.52	22.48	22.01	22.22	22.12	22.02	22.50	22.31		
100	SSBAM	1	1	22.05	22.58	22.51	22.05	22.54	22.42	22.00	22.38	22.48		
100	SSBAM	1	1	22.02	22.54	22.48	22.02	22.48	22.38	22.15	22.52	22.41		
100	SSBAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	20.75	20.11	20.01		



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80		
100	PI2-BPSK	1	1	22.70	23.11	22.98	22.66	23.00	22.94	23.69	23.07	23.77		
100	PI2-BPSK	1	137	22.60	22.94	22.73	22.45	22.79	22.43	23.34	23.81	23.99	27.0	0.0
100	PI2-BPSK	135	5	22.49	22.80	22.70	22.47	22.80	22.50	23.40	23.89	23.64	27.0	0.0
100	PI2-BPSK	135	66	22.61	22.93	22.83	22.50	22.99	22.80	23.60	23.92	23.73	27.0	0.0
100	PI2-BPSK	135	138	22.58	22.81	22.73	22.52	22.81	22.47	23.36	23.82	23.82	27.0	0.0
100	PI2-BPSK	235	5	22.57	22.80	22.80	22.52	22.82	22.47	23.50	23.87	23.65		
100	QPSK	1	1	22.79	23.10	22.91	22.70	23.10	22.80	23.77	23.14	23.27	27.0	0.0
100	QPSK	1	137	22.73	23.04	22.89	22.60	22.87	22.60	23.70	23.82	23.78		
100	QPSK	1	271	22.65	22.92	22.79	22.54	22.83	22.51	23.81	23.89	23.88		
100	QPSK	135	5	22.58	22.84	22.85	22.50	22.87	22.59	23.57	23.82	23.73	27.0	0.0
100	QPSK	135	66	22.66	22.91	22.81	22.50	22.85	22.50	23.60	23.91	23.80	27.0	0.0
100	QPSK	135	138	22.46	22.81	22.75	22.45	22.88	22.52	23.44	23.91	23.85	27.0	0.0
100	QPSK	235	5	22.92	22.85	22.93	22.58	22.88	22.53	23.81	23.87	23.74		
100	SSB-AM	1	1	22.71	23.10	22.81	22.81	23.09	22.38	23.67	23.15	23.80	27.0	0.0
100	SSB-AM	1	1	22.79	23.15	23.00	22.81	23.02	22.85	23.72	23.89	23.84	27.0	0.0
100	SSB-AM	1	1	20.38	20.71	20.57	20.64	20.47	20.63	21.83	21.70	21.81	20.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				224.51	224.79	224.80	224.51	224.79	224.80	224.51	224.79	224.80		
100	PI2-BPSK	1	1	23.82	23.53	23.92	23.73	23.05	23.73	23.79	23.10	23.84		
100	PI2-BPSK	1	137	23.30	23.58	23.39	23.19	23.52	23.00	23.26	23.46	23.21	30.0	0.0
100	PI2-BPSK	1	271	23.21	23.53	23.34	23.05	23.36	23.01	23.44	23.46	23.19		
100	PI2-BPSK	135	5	24.52	24.81	24.60	24.00	24.51	24.17	27.31	27.87	27.50	30.0	1.0
100	PI2-BPSK	135	66	23.20	23.52	23.34	23.12	23.26	23.15	23.17	23.40	23.20	30.0	0.0
100	PI2-BPSK	135	138	24.29	24.52	24.31	24.07	24.11	24.07	27.17	27.34	27.20	30.0	1.0
100	PI2-BPSK	235	5	24.30	24.71	24.51	24.17	24.30	24.16	27.26	27.52	27.30		
100	QPSK	1	1	23.82	23.50	23.99	23.80	23.14	23.79	23.84	23.17	23.80		
100	QPSK	1	137	23.79	23.67	23.66	23.10	23.60	23.10	23.78	23.66	23.71	30.0	0.0
100	QPSK	1	271	23.50	23.50	23.50	23.51	23.50	23.00	23.18	23.46	23.10		
100	QPSK	135	5	24.06	24.30	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.8
100	QPSK	135	66	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80	23.80		
100	QPSK	135	138	24.06	24.30	24.00	24.03	24.11	24.04	27.67	27.22	27.05	28.0	1.0
100	QPSK	235	5	24.02	24.21	24.08	24.21	24.20	24.23	27.13	27.25	27.17	28.0	1.0
100	SSB-AM	1	1	21.00	21.20	21.00	21.00	21.04	21.00	20.27	20.60	20.60	20.0	1.0
100	SSB-AM	1	1	21.02	21.31	21.10	21.00	21.22	21.07	21.97	21.68	21.60	21.5	2.5
100	SSB-AM	1	1	20.38	20.70	20.59	20.67	20.76	20.83	21.83	21.78	21.82	20.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)														
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.																
Channel														569502	518598	528000	569502	518598	528000	569502	518598	528000						
Frequency (MHz)														22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63
100	PQ2-BPSK	1	1	22.72	22.68	22.82	22.86	22.46	22.97	25.80	25.25	25.91																
100	PQ2-BPSK	1	137	22.71	22.65	22.81	22.71	22.26	22.88	25.72	25.69	25.88		27.0	0.0													
100	PQ2-BPSK	1	271	22.64	22.65	22.83	22.71	22.12	22.76	25.89	26.04	25.81																
100	PQ2-BPSK	135	5	22.68	22.82	22.80	22.50	22.76	22.70	25.83	26.00	25.76		27.0	0.0													
100	PQ2-BPSK	135	66	22.69	22.67	22.81	22.69	22.26	22.88	25.70	26.13	25.90		27.0	0.0													
100	PQ2-BPSK	135	138	22.68	22.72	22.85	22.66	22.61	22.77	25.83	25.88	25.72		27.0	0.0													
100	PQ2-BPSK	215	5	22.62	22.76	22.81	22.60	22.12	22.81	25.80	25.95	25.85																
100	QPSK	1	1	22.67	22.10	22.16	22.67	22.46	22.21	22.10	22.10	22.10		27.0	0.0													
100	QPSK	1	137	22.76	22.16	22.66	22.66	22.41	22.66	25.81	26.04	25.99																
100	QPSK	1	271	22.76	22.00	22.83	22.76	22.26	22.82	25.74	26.14	25.84																
100	QPSK	135	5	22.75	22.91	22.83	22.59	22.23	22.83	25.73	26.08	25.84		27.0	0.0													
100	QPSK	135	66	22.66	22.65	22.77	22.65	22.21	22.81	25.74	25.97	25.85																
100	QPSK	135	138	22.63	22.75	22.76	22.61	22.13	22.81	25.83	25.97	25.80		27.0	0.0													
100	QPSK	215	5	22.75	22.60	22.87	22.73	22.17	22.83	25.75	26.04	25.81																
100	SSB-AM	1	1	22.81	22.16	22.86	22.83	22.46	22.38	25.88	26.26	25.90		27.0	0.0													
100	SSB-AM	1	1	22.72	22.54	22.88	22.82	22.38	22.95	25.78	26.22	25.93		27.0	0.0													
100	SSB-AM	1	1	26.30	26.72	26.53	26.52	21.63	26.67	23.52	23.89	23.86		26.5	1.5													

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)														
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.	FCC Power Low Co./Freq.	FCC Power Middle Co./Freq.	FCC Power High Co./Freq.																
Channel														569502	518598	528000	569502	518598	528000	569502	518598	528000						
Frequency (MHz)														22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63	22.61	22.62	22.63
100	PQ2-BPSK	1	1	25.82	25.50	25.89	25.86	25.37	25.91	26.85	26.25	26.91																
100	PQ2-BPSK	1	137	25.36	25.65	25.42	25.68	25.60	25.15	26.20	26.64	26.30		30.0	0.0													
100	PQ2-BPSK	1	271	25.30	25.50	25.40	25.64	25.63	25.08	26.16	26.57	26.25																
100	PQ2-BPSK	135	5	24.48	24.75	24.53	24.64	24.62	24.33	27.41	27.80	27.41		30.0	1.0													
100	PQ2-BPSK	135	66	25.19	25.45	25.25	25.50	25.52	25.07	26.11	26.50	26.17		30.0	0.0													
100	PQ2-BPSK	135	138	24.30	24.26	24.40	24.61	24.92	24.03	27.69	28.09	27.74		30.0	1.0													
100	PQ2-BPSK	215	5	24.34	24.61	24.41	24.25	24.77	24.28	27.31	27.70	27.36																
100	QPSK	1	1	25.12	26.31	25.35	25.20	26.41	25.07	25.20	25.27	25.20		30.0	0.0													
100	QPSK	1	137	26.26	25.66	24.46	25.40	25.91	26.33	26.46	26.66	26.67																
100	QPSK	1	271	25.26	25.52	25.29	25.41	25.90	25.47	26.35	26.74	26.30																
100	QPSK	135	5	24.03	24.29	24.05	24.62	24.44	24.00	27.64	27.38	27.64		28.5	1.8													
100	QPSK	135	66	25.81	25.81	25.81	25.81	25.77	25.81	25.81	25.81	25.81																
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.03	24.05	27.68	27.38	27.67		30.0	1.0													
100	QPSK	215	5	24.03	24.25	24.09	24.03	24.03	24.07	27.65	27.45	27.65																
100	SSB-AM	1	1	25.91	25.22	25.67	25.69	25.52	25.06	27.97	28.30	28.00		30.0	1.8													
100	SSB-AM	1	1	25.86	25.21	25.90	25.97	25.95	25.09	28.05	28.39	28.05		27.5	2.5													
100	SSB-AM	1	1	26.30	26.77	26.54	26.68	21.68	26.84	23.55	23.94	23.60		26.5	4.5													



Reduced Power Mode for DS10 UL MIMO

n2		Ant 2			Ant 3			Ant 2+3			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890
40	P1/2 BPSK	1	1	18.85	19.08	18.98	18.51	18.64	18.45	21.69	21.88	21.73
40	P1/2 BPSK	1	108	18.97	18.98	18.94	18.45	18.56	18.44	21.73	21.79	21.71
40	P1/2 BPSK	1	214	18.88	18.98	18.93	18.42	18.61	18.51	21.87	21.80	21.74
40	P1/2 BPSK	108	0	18.94	19.08	18.90	18.40	18.53	18.51	21.69	21.82	21.72
40	P1/2 BPSK	108	54	18.95	19.06	19.03	18.49	18.59	18.52	21.74	21.84	21.79
40	P1/2 BPSK	108	108	18.97	18.99	18.97	18.46	18.62	18.54	21.73	21.82	21.77
40	P1/2 BPSK	216	0	18.91	19.07	19.00	18.48	18.54	18.48	21.71	21.82	21.76
40	QPSK	1	1	18.90	18.99	18.95	18.35	18.65	18.55	21.79	21.89	21.82
40	QPSK	1	108	18.96	19.03	19.06	18.44	18.53	18.53	21.67	21.80	21.78
40	QPSK	1	214	18.86	19.00	19.00	18.47	18.54	18.41	21.68	21.79	21.73
40	QPSK	108	0	18.90	18.99	18.93	18.43	18.62	18.47	21.68	21.82	21.72
40	QPSK	108	54	18.95	19.00	18.99	18.39	18.63	18.54	21.74	21.83	21.78
40	QPSK	108	108	18.86	18.96	18.93	18.45	18.61	18.53	21.87	21.80	21.74
40	QPSK	216	0	18.90	18.98	18.92	18.40	18.57	18.44	21.71	21.75	21.70
40	16QAM	1	1	18.99	19.04	19.02	18.46	18.53	18.45	21.74	21.80	21.75
40	64QAM	1	1	18.95	19.03	19.03	18.50	18.58	18.46	21.74	21.82	21.76
40	256QAM	1	1	17.80	17.70	17.61	17.59	17.66	17.58	20.61	20.69	20.61

n2		Ant 2			Ant 1			Ant 2+1			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890
40	P1/2 BPSK	1	1	19.46	19.50	19.56	19.25	19.34	19.36	22.37	22.43	22.47
40	P1/2 BPSK	1	108	19.49	19.61	19.53	19.23	19.33	19.37	22.37	22.48	22.46
40	P1/2 BPSK	1	214	19.42	19.61	19.52	19.32	19.42	19.30	22.38	22.48	22.42
40	P1/2 BPSK	108	0	19.42	19.55	19.57	19.35	19.37	19.29	22.40	22.47	22.43
40	P1/2 BPSK	108	54	19.47	19.58	19.49	19.25	19.34	19.31	22.37	22.47	22.41
40	P1/2 BPSK	108	108	19.47	19.56	19.44	19.35	19.33	19.32	22.42	22.46	22.39
40	P1/2 BPSK	216	0	19.44	19.55	19.51	19.26	19.36	19.35	22.36	22.47	22.44
40	QPSK	1	1	19.50	19.65	19.59	19.37	19.43	19.43	22.47	22.56	22.51
40	QPSK	1	108	19.46	19.60	19.51	19.26	19.38	19.38	22.37	22.50	22.46
40	QPSK	1	214	19.43	19.57	19.57	19.36	19.38	19.31	22.41	22.49	22.45
40	QPSK	108	0	19.42	19.57	19.49	19.29	19.42	19.32	22.37	22.51	22.42
40	QPSK	108	54	19.50	19.60	19.58	19.32	19.43	19.38	22.43	22.53	22.49
40	QPSK	108	108	19.42	19.56	19.57	19.29	19.38	19.35	22.38	22.48	22.47
40	QPSK	216	0	19.42	19.49	19.47	19.31	19.37	19.29	22.38	22.44	22.38
40	16QAM	1	1	19.44	19.54	19.52	19.28	19.30	19.29	22.37	22.43	22.42
40	64QAM	1	1	19.44	19.52	19.55	19.33	19.40	19.37	22.40	22.47	22.47
40	256QAM	1	1	17.80	17.70	17.61	17.82	17.87	17.96	20.72	20.85	20.80



n2				Ant 0			Ant 3			Ant 0+3			Tune-up Int (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374500	376000	378000	384000	386000	388000	394000	396000	398000		
Frequency (MHz)				1870	1880	1890	1970	1980	1990	1970	1980	1990		
40	PI2 BPSK	1	1	21.70	21.93	21.78	21.59	21.47	21.48	24.66	24.72	24.64		
40	PI2 BPSK	1	108	21.83	21.86	21.86	21.50	21.59	21.47	24.68	24.74	24.68	26.0	0.0
40	PI2 BPSK	1	214	21.77	21.85	21.79	21.57	21.53	21.49	24.68	24.70	24.65		
40	PI2 BPSK	108	0	21.81	21.82	21.86	21.46	21.57	21.44	24.55	24.61	24.51	26.0	0.0
40	PI2 BPSK	108	54	21.75	21.83	21.87	21.46	21.57	21.53	24.62	24.71	24.71	26.0	0.0
40	PI2 BPSK	108	108	21.56	21.70	21.64	21.47	21.48	21.52	24.53	24.60	24.59	26.0	0.0
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.55	21.51	21.44	24.58	24.60	24.50		
40	QPSK	1	1	21.86	21.86	21.81	21.88	21.82	21.87	24.74	24.88	24.75		
40	QPSK	1	108	21.84	21.85	21.77	21.47	21.56	21.45	24.67	24.72	24.64	26.0	0.0
40	QPSK	1	214	21.70	21.93	21.88	21.48	21.58	21.44	24.60	24.77	24.68		
40	QPSK	108	0	21.63	21.67	21.61	21.12	21.17	21.07	24.39	24.44	24.36	25.5	0.5
40	QPSK	108	54	21.79	21.80	21.77	21.51	21.50	21.45	24.65	24.71	24.63	26.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.13	21.15	21.00	24.39	24.44	24.35	25.5	0.5
40	QPSK	216	0	21.82	21.85	21.83	21.17	21.20	21.16	24.41	24.44	24.35		
40	16QAM	1	1	21.70	21.85	21.72	21.06	21.15	21.05	24.40	24.53	24.41	25.5	0.5
40	64QAM	1	1	20.30	20.40	20.31	19.51	19.66	19.51	22.93	23.06	22.94	24.5	1.5
40	256QAM	1	1	17.97	18.00	17.91	17.59	17.66	17.58	20.79	20.84	20.76	22.5	3.5

n2				Ant 0			Ant 1			Ant 0+1			Tune-up Int (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				374500	376000	378000	384000	386000	388000	394000	396000	398000		
Frequency (MHz)				1870	1880	1890	1970	1980	1990	1970	1980	1990		
40	PI2 BPSK	1	1	22.78	22.86	22.79	22.56	22.70	22.57	25.68	25.79	25.69		
40	PI2 BPSK	1	108	22.66	22.75	22.80	22.54	22.63	22.57	25.61	25.70	25.60	27.0	0.0
40	PI2 BPSK	1	214	22.69	22.80	22.68	22.53	22.65	22.64	25.67	25.74	25.67		
40	PI2 BPSK	108	0	21.61	21.62	21.56	21.68	21.80	21.73	24.66	24.72	24.66	26.0	1.0
40	PI2 BPSK	108	54	22.83	22.88	22.74	22.56	22.66	22.56	25.71	25.78	25.66	27.0	0.0
40	PI2 BPSK	108	108	21.56	21.70	21.64	21.65	21.78	21.76	24.62	24.75	24.71	26.0	1.0
40	PI2 BPSK	216	0	21.59	21.66	21.53	21.60	21.75	21.73	24.61	24.72	24.64		
40	QPSK	1	1	22.84	22.90	22.85	22.78	22.75	22.73	25.77	25.84	25.74		
40	QPSK	1	108	22.83	22.86	22.72	22.57	22.69	22.62	25.71	25.79	25.68	27.0	0.0
40	QPSK	1	214	22.70	22.80	22.78	22.60	22.65	22.53	25.66	25.74	25.67		
40	QPSK	108	0	21.63	21.67	21.61	21.34	21.37	21.36	24.50	24.53	24.50	25.5	1.5
40	QPSK	108	54	22.81	22.85	22.70	22.57	22.71	22.69	25.70	25.79	25.71	27.0	0.0
40	QPSK	108	108	21.62	21.70	21.66	21.37	21.45	21.32	24.51	24.59	24.50	25.5	1.5
40	QPSK	216	0	21.62	21.65	21.53	21.32	21.40	21.31	24.48	24.54	24.43		
40	16QAM	1	1	21.70	21.85	21.72	21.59	21.67	21.60	24.66	24.77	24.67	25.5	1.5
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20	24.5	2.5
40	256QAM	1	1	17.97	18.00	17.91	17.62	17.77	17.76	20.81	20.90	20.85	22.5	4.5



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				374500	376500	379000	374500	376500	379000	374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.13	19.19	19.05	18.85	18.89	18.81	22.00	22.05	21.94	23.0	0.0
40	PI2 BPSK	1	108	19.10	19.16	19.14	18.92	18.82	18.82	22.02	22.00	21.99		
40	PI2 BPSK	1	214	19.15	19.09	19.16	18.84	18.94	18.81	22.01	22.03	22.00	23.0	0.0
40	PI2 BPSK	108	0	19.04	19.05	19.16	18.84	18.81	18.80	21.95	21.94	21.95		
40	PI2 BPSK	108	54	19.13	19.17	19.07	18.79	18.89	18.81	21.97	22.04	21.95	23.0	0.0
40	PI2 BPSK	108	108	19.08	19.16	19.10	18.79	18.89	18.78	21.95	22.03	21.95		
40	PI2 BPSK	216	0	19.09	19.17	19.12	18.86	18.83	18.73	21.99	22.01	21.94	23.0	0.0
40	QPSK	1	1	19.10	19.20	19.17	18.86	18.85	18.75	22.05	22.09	22.01		
40	QPSK	1	108	19.09	19.07	19.02	18.75	18.25	18.75	21.95	22.02	21.92	23.0	0.0
40	QPSK	1	214	19.08	19.08	19.15	18.80	18.91	18.79	21.95	22.01	21.98		
40	QPSK	108	0	19.12	19.09	19.14	18.78	18.82	18.82	21.96	21.97	21.99	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	18.86	18.90	18.84	22.01	22.05	22.01		
40	QPSK	108	108	19.10	19.16	19.15	18.82	18.86	18.82	21.97	22.02	22.00	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.08	18.85	18.28	18.73	22.01	22.04	21.92		
40	16QAM	1	1	19.04	19.12	19.12	18.90	18.87	18.68	21.98	22.01	21.92	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	18.78	18.93	18.74	21.91	22.03	21.90		
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	0.5
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64		

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				374500	376500	379000	374500	376500	379000	374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.58	19.66	19.57	19.84	19.96	20.03	22.72	22.82	22.82	23.5	0.0
40	PI2 BPSK	1	108	19.59	19.74	19.49	19.92	20.03	20.01	22.77	22.90	22.77		
40	PI2 BPSK	1	214	19.64	19.72	19.51	19.82	20.06	19.92	22.74	22.90	22.73	23.5	0.0
40	PI2 BPSK	108	0	19.51	19.71	19.57	19.86	19.88	20.02	22.70	22.86	22.81		
40	PI2 BPSK	108	54	19.61	19.62	19.60	19.85	20.04	19.99	22.74	22.85	22.81	23.5	0.0
40	PI2 BPSK	108	108	19.63	19.69	19.57	19.84	20.10	19.96	22.75	22.81	22.78		
40	PI2 BPSK	216	0	19.53	19.63	19.59	19.95	20.06	19.94	22.76	22.86	22.78	23.5	0.0
40	QPSK	1	1	19.65	19.75	19.64	19.87	20.11	20.03	22.83	22.94	22.86		
40	QPSK	1	108	19.56	19.68	19.50	19.85	19.97	19.94	22.74	22.84	22.74	23.5	0.0
40	QPSK	1	214	19.51	19.72	19.52	19.86	20.04	19.97	22.75	22.89	22.76		
40	QPSK	108	0	19.56	19.63	19.55	19.86	20.03	19.91	22.72	22.84	22.74	23.5	0.0
40	QPSK	108	54	19.63	19.72	19.62	19.93	20.10	20.04	22.79	22.92	22.85		
40	QPSK	108	108	19.61	19.69	19.58	19.85	20.09	20.01	22.74	22.89	22.81	23.5	0.0
40	QPSK	216	0	19.62	19.70	19.60	19.85	20.02	19.90	22.75	22.87	22.76		
40	16QAM	1	1	19.51	19.72	19.50	19.85	19.99	19.99	22.69	22.87	22.76	23.5	0.0
40	64QAM	1	1	19.58	19.61	19.55	19.91	20.10	19.97	22.76	22.87	22.78		
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	1.0
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87		



n66				Ant 2			Ant 3			Ant 2+3			Tune-up Int (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				345000	345000	345000	345000	345000	345000	345000	345000	345000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	22.22	22.21	22.21	21.95	21.95	21.99	25.10	25.09	25.11	26.0	0.0
40	PI2 BPSK	1	108	22.22	22.26	22.23	21.92	22.06	21.97	25.08	25.17	25.11		
40	PI2 BPSK	1	214	22.10	22.21	22.18	21.93	22.02	21.95	25.03	25.13	25.08	26.0	0.0
40	PI2 BPSK	108	0	22.21	22.18	22.27	21.62	21.70	21.62	24.94	24.96	24.97		
40	PI2 BPSK	108	54	22.15	22.30	22.19	22.02	21.99	21.97	25.10	25.16	25.09	26.0	0.0
40	PI2 BPSK	108	108	22.13	22.23	22.27	21.68	21.65	21.90	24.87	24.96	24.91	26.0	0.0
40	PI2 BPSK	216	0	22.21	22.25	22.20	21.55	21.69	21.61	24.90	24.99	24.93	26.0	0.0
40	QPSK	1	1	22.26	22.21	22.26	22.04	22.04	22.04	25.15	25.07	25.15		
40	QPSK	1	108	22.12	22.16	22.16	22.00	21.98	21.95	25.07	25.08	25.09	26.0	0.0
40	QPSK	1	214	22.15	22.25	22.14	21.99	22.03	21.98	25.08	25.15	25.07		
40	QPSK	108	0	21.59	21.66	21.61	21.13	21.16	21.01	24.38	24.43	24.28	25.5	0.5
40	QPSK	108	54	22.11	22.21	22.14	21.99	22.07	21.99	25.05	25.15	25.05	26.0	0.0
40	QPSK	108	108	21.90	21.85	21.83	21.07	21.12	21.06	24.35	24.40	24.36	25.5	0.5
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.15	21.00	24.33	24.39	24.25	25.5	0.5
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46		
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.91	23.96	23.94	24.5	1.5
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	3.5

n66				Ant 2			Ant 1			Ant 2+1			Tune-up Int (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				345000	345000	345000	345000	345000	345000	345000	345000	345000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	20.75	20.81	20.75	21.14	21.22	21.14	23.96	24.03	23.96	24.5	0.0
40	PI2 BPSK	1	108	20.73	20.80	20.76	21.05	21.25	21.21	23.90	24.04	24.01		
40	PI2 BPSK	1	214	20.70	20.86	20.80	21.14	21.13	21.19	23.94	24.01	24.01	24.5	0.0
40	PI2 BPSK	108	0	20.80	20.82	20.80	21.06	21.19	21.10	23.94	24.02	23.96		
40	PI2 BPSK	108	54	20.74	20.76	20.81	21.06	21.22	21.09	23.91	24.01	23.95	24.5	0.0
40	PI2 BPSK	108	108	20.69	20.82	20.75	21.14	21.17	21.13	23.93	24.01	23.95	24.5	0.0
40	PI2 BPSK	216	0	20.81	20.74	20.82	21.13	21.23	21.08	23.98	24.00	23.96	24.5	0.0
40	QPSK	1	1	20.83	20.85	20.85	21.15	21.26	21.22	24.10	24.10	24.10		
40	QPSK	1	108	20.73	20.77	20.80	21.13	21.15	21.10	23.94	23.97	23.95	24.5	0.0
40	QPSK	1	214	20.79	20.80	20.75	21.07	21.26	21.09	23.94	24.05	23.93		
40	QPSK	108	0	20.69	20.83	20.83	21.10	21.24	21.12	23.91	24.05	23.99	24.5	0.0
40	QPSK	108	54	20.77	20.88	20.85	21.13	21.26	21.20	23.95	24.08	24.04	24.5	0.0
40	QPSK	108	108	20.76	20.85	20.85	21.07	21.25	21.09	23.93	24.06	23.99	24.5	0.0
40	QPSK	216	0	20.76	20.85	20.76	21.13	21.24	21.15	23.97	23.95	23.97		
40	16QAM	1	1	20.75	20.76	20.72	21.00	21.26	21.08	23.89	24.03	23.91	24.5	0.0
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	0.0
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.66	20.90	20.86	22.5	2.0



n66				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				345000	345000	345000	345000	345000	345000	345000	345000	345000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	23.38	23.48	23.39	22.81	22.96	22.81	26.11	26.24	26.12	27.0	0.0
40	PI2 BPSK	1	108	23.34	23.45	23.38	22.80	22.90	22.80	26.09	26.19	26.11		
40	PI2 BPSK	1	214	23.30	23.40	23.36	22.90	22.94	22.84	26.11	26.19	26.11	28.0	1.0
40	PI2 BPSK	108	0	22.68	22.69	22.67	21.62	21.70	21.62	25.19	25.23	25.19		
40	PI2 BPSK	108	54	23.42	23.43	23.30	22.88	22.93	22.85	26.17	26.20	26.09	27.0	0.0
40	PI2 BPSK	108	108	22.66	22.65	22.57	21.68	21.65	21.50	25.13	25.19	25.08	28.0	1.0
40	PI2 BPSK	216	0	22.69	22.70	22.57	21.55	21.69	21.61	25.17	25.23	25.13	27.0	0.0
40	QPSK	1	1	23.46	23.30	23.41	22.86	23.03	22.86	26.22	26.27	26.22		
40	QPSK	1	108	23.37	23.44	23.38	22.75	22.90	22.81	26.08	26.19	26.17	27.0	0.0
40	QPSK	1	214	23.27	23.40	23.29	22.88	22.93	22.78	26.09	26.18	26.05		
40	QPSK	108	0	22.12	22.13	22.00	21.13	21.16	21.01	24.66	24.68	24.54	25.5	1.5
40	QPSK	108	54	23.34	23.45	23.38	22.80	22.89	22.84	26.09	26.19	26.13	27.0	0.0
40	QPSK	108	108	22.60	22.16	22.02	21.07	21.12	21.06	24.97	24.88	24.88	25.5	1.5
40	QPSK	216	0	22.13	22.20	22.07	21.07	21.15	21.00	24.64	24.72	24.65	25.5	1.5
40	16QAM	1	1	22.30	22.33	22.21	21.34	21.38	21.23	24.86	24.89	24.76		
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	2.5
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	4.5

n66				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MPR (dB)
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				345000	345000	345000	345000	345000	345000	345000	345000	345000		
Frequency (MHz)				1730	1745	1760	1730	1745	1760	1730	1745	1760		
40	PI2 BPSK	1	1	20.45	20.60	20.37	20.30	20.41	20.32	23.39	23.52	23.36	24.0	0.0
40	PI2 BPSK	1	108	20.47	20.57	20.41	20.29	20.42	20.30	23.39	23.51	23.37		
40	PI2 BPSK	1	214	20.42	20.60	20.46	20.27	20.41	20.35	23.36	23.52	23.42	24.0	0.0
40	PI2 BPSK	108	0	20.44	20.52	20.45	20.34	20.43	20.38	23.40	23.49	23.43		
40	PI2 BPSK	108	54	20.49	20.51	20.44	20.27	20.43	20.28	23.39	23.48	23.37	24.0	0.0
40	PI2 BPSK	108	108	20.50	20.57	20.37	20.32	20.30	20.27	23.42	23.45	23.33	24.0	0.0
40	PI2 BPSK	216	0	20.49	20.56	20.40	20.38	20.30	20.39	23.45	23.44	23.41	24.0	0.0
40	QPSK	1	1	20.67	20.65	20.75	20.42	20.45	20.41	23.51	23.55	23.48		
40	QPSK	1	108	20.43	20.57	20.45	20.27	20.44	20.37	23.36	23.52	23.42	24.0	0.0
40	QPSK	1	214	20.52	20.53	20.39	20.31	20.43	20.33	23.43	23.49	23.37	24.0	0.0
40	QPSK	108	0	20.43	20.50	20.43	20.34	20.38	20.31	23.40	23.45	23.38		
40	QPSK	108	54	20.56	20.57	20.46	20.41	20.42	20.35	23.50	23.51	23.43	24.0	0.0
40	QPSK	108	108	20.55	20.50	20.40	20.38	20.38	20.32	23.46	23.45	23.37	24.0	0.0
40	QPSK	216	0	20.52	20.55	20.40	20.37	20.40	20.29	23.45	23.49	23.36		
40	16QAM	1	1	20.56	20.58	20.46	20.30	20.33	20.38	23.44	23.47	23.45	24.0	0.0
40	64QAM	1	1	20.47	20.61	20.45	20.31	20.42	20.29	23.40	23.53	23.38	24.0	0.0
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	1.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50502	51658	52800	50502	51658	52800	50502	51658	52800		
				52471	53627	54769	52471	53627	54769	52471	53627	54769		
100	PC2BPSK	1	1	21.64	21.91	21.95	21.27	21.52	21.34	24.47	24.72	24.81		
100	PC2BPSK	1	137	21.66	21.89	21.88	21.35	21.59	21.33	24.52	24.75	24.82		
100	PC2BPSK	1	271	21.66	21.98	21.81	21.27	21.46	21.27	24.48	24.74	24.58		
100	PC2BPSK	135	5	21.60	21.90	21.89	21.38	21.54	21.37	24.53	24.75	24.84		
100	PC2BPSK	135	89	21.60	21.91	21.84	21.35	21.45	21.36	24.49	24.70	24.82		
100	PC2BPSK	135	158	21.65	21.85	21.71	21.29	21.47	21.28	24.50	24.67	24.54		
100	PC2BPSK	270	5	21.63	21.96	21.79	21.34	21.56	21.35	24.50	24.77	24.91		
100	QPSK	1	1	21.60	22.00	21.50	21.30	21.60	21.40	24.61	24.55			
100	QPSK	1	137	21.62	21.86	21.88	21.34	21.46	21.34	24.61	24.63	25.5		
100	QPSK	1	271	21.67	21.93	21.78	21.33	21.45	21.32	24.51	24.71	24.82		
100	QPSK	135	0	21.63	21.85	21.88	21.31	21.51	21.33	24.46	24.69	24.82		
100	QPSK	135	69	21.63	21.86	21.85	21.34	21.55	21.34	24.47	24.68	24.81		
100	QPSK	135	138	21.55	21.95	21.78	21.28	21.56	21.38	24.43	24.77	24.90		
100	QPSK	270	0	21.57	21.95	21.78	21.28	21.53	21.37	24.43	24.75	24.89		
100	SSBAM	1	1	21.63	21.98	21.80	21.36	21.56	21.37	24.47	24.70	24.87		
100	SSBAM	1	1	21.63	21.96	21.75	21.30	21.48	21.33	24.48	24.73	24.98		
100	SSBAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	23.80	24.60	23.97		

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dB)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
				50502	51658	52800	50502	51658	52800	50502	51658	52800		
				52471	53627	54769	52471	53627	54769	52471	53627	54769		
100	PC1BPSK	1	1	24.55	24.79	24.74	24.51	24.63	24.51	27.55	27.55	27.54		
100	PC1BPSK	1	137	24.68	24.73	24.67	24.60	24.56	24.27	27.55	27.67	27.48		
100	PC1BPSK	1	271	24.58	24.80	24.74	24.42	24.58	24.35	27.51	27.60	27.58		
100	PC1BPSK	135	5	24.65	24.84	24.78	24.24	24.32	24.27	27.42	27.60	27.59		
100	PC1BPSK	135	69	24.65	24.78	24.78	24.54	24.59	24.27	27.61	27.70	27.54		
100	PC1BPSK	135	158	24.52	24.72	24.71	24.25	24.31	24.35	27.48	27.63	27.53		
100	PC1BPSK	270	5	24.65	24.78	24.71	24.26	24.37	24.30	27.43	27.60	27.56		
100	QPSK	1	1	24.60	24.80	24.62	24.25	24.36	24.41	27.52	27.70	27.62		
100	QPSK	1	137	24.68	24.77	24.78	24.46	24.66	24.36	27.49	27.74	27.68		
100	QPSK	1	271	24.65	24.81	24.75	24.44	24.62	24.28	27.56	27.71	27.52		
100	QPSK	135	0	24.31	24.69	24.65	24.62	24.32	24.14	27.18	27.52	27.41		
100	QPSK	135	69	24.31	24.69	24.65	24.61	24.31	24.14	27.18	27.52	27.41		
100	QPSK	135	138	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27		
100	QPSK	270	0	24.25	24.64	24.60	24.54	24.20	24.03	27.18	27.44	27.33		
100	SSBAM	1	1	23.88	24.78	24.80	24.50	24.80	24.34	27.60	27.70	27.58		
100	SSBAM	1	1	23.35	23.73	23.71	23.18	23.48	23.33	26.27	26.61	26.53		
100	SSBAM	1	1	20.95	21.34	21.32	20.69	20.98	20.80	23.83	24.17	24.08		



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	24.92	24.96	24.51	24.92	24.96	24.51	24.92	24.96		
100	PI2-BPSK	1	1	21.58	21.84	21.91	21.73	21.85	21.96	24.87	24.95	24.95		
100	PI2-BPSK	1	137	21.87	22.03	22.03	21.79	22.00	21.99	24.74	25.01	25.02	20.0	
100	PI2-BPSK	1	271	21.57	21.86	21.87	21.77	21.98	21.85	24.88	24.97	24.95		
100	PI2-BPSK	135	5	21.81	21.98	21.98	21.80	22.02	21.89	24.74	25.01	24.95	20.0	
100	PI2-BPSK	135	89	21.89	22.07	21.96	21.81	21.98	21.85	24.72	25.04	24.89	20.0	
100	PI2-BPSK	135	139	21.88	22.05	22.01	21.75	22.01	21.85	24.71	25.03	24.84	20.0	
100	PI2-BPSK	215	5	21.85	21.93	21.91	21.70	22.03	21.85	24.72	25.01	24.88		
100	QPSK	1	1	21.79	22.08	22.05	21.80	22.04	22.00	21.80	25.07	25.00		
100	QPSK	1	137	21.81	21.99	21.94	21.84	21.99	21.85	24.74	24.99	24.99	20.0	
100	QPSK	1	271	21.89	22.07	21.95	21.77	22.01	21.82	24.74	24.97	24.92		
100	QPSK	135	5	21.85	21.97	21.96	21.82	21.92	21.80	24.75	24.98	24.84	20.0	
100	QPSK	135	89	21.85	22.01	21.97	21.75	22.01	21.85	24.75	24.95	24.85	20.0	
100	QPSK	135	139	21.81	22.08	22.00	21.75	22.00	21.85	24.71	25.04	24.98	20.0	
100	QPSK	215	5	21.87	21.94	21.92	21.78	21.89	21.85	24.74	24.98	24.95		
100	SSBAM	1	1	21.59	21.95	21.90	21.83	22.00	21.87	24.74	24.98	24.95	20.0	
100	SSBAM	1	1	21.57	22.05	21.95	21.77	21.95	21.89	24.82	25.01	24.93	20.0	
100	SSBAM	1	1	20.35	24.14	21.11	20.29	20.99	21.09	23.88	24.98	24.52	20.5	

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	24.92	24.96	24.51	24.92	24.96	24.51	24.92	24.96		
100	PI2-BPSK	1	1	24.69	24.98	24.84	24.79	25.02	24.87	24.77	25.01	24.87		
100	PI2-BPSK	1	137	24.86	24.97	24.82	24.80	25.03	24.95	24.77	25.01	24.80	20.0	
100	PI2-BPSK	1	271	24.88	24.96	24.83	24.75	24.93	24.89	24.73	24.97	24.87		
100	PI2-BPSK	135	5	24.85	24.91	24.78	24.97	24.71	24.96	24.82	24.82	24.80	20.0	
100	PI2-BPSK	135	89	24.77	24.90	24.75	24.82	24.97	24.67	24.81	24.95	24.82	20.0	
100	PI2-BPSK	135	139	24.14	24.85	24.58	24.88	24.48	24.46	24.27	24.83	24.83	20.0	
100	PI2-BPSK	215	5	24.76	24.84	24.77	24.80	24.82	24.48	24.58	24.79	24.81		
100	QPSK	1	1	24.80	25.00	24.80	24.80	25.06	24.97	24.80	25.04	24.80		
100	QPSK	1	137	24.78	24.81	24.81	24.82	24.89	24.88	24.82	24.83	24.81	20.0	
100	QPSK	1	271	24.75	24.86	24.80	24.82	25.00	24.84	24.80	24.80	24.80		
100	QPSK	135	5	24.80	24.91	24.87	24.87	24.87	24.44	24.24	24.80	24.80	20.0	
100	QPSK	135	89	24.80	24.80	24.80	24.80	24.97	24.80	24.80	24.80	24.80	20.0	
100	QPSK	135	139	24.01	24.35	24.20	24.09	24.20	24.10	24.08	24.20	24.21	20.0	
100	QPSK	215	5	24.81	24.82	24.48	24.81	24.23	24.12	24.82	24.80	24.81	20.0	
100	SSBAM	1	1	20.55	24.89	24.97	24.77	25.05	24.90	24.72	25.02	24.80	20.0	
100	SSBAM	1	1	23.02	25.04	23.48	23.25	23.48	23.38	26.15	26.52	26.41	24.5	
100	SSBAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.70	24.11	24.01	20.5	



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.51	224.79	224.86	224.51	224.79	224.86	224.51	224.79	224.86		
100	PI2-BPSK	1	1	22.70	23.11	22.98	22.66	23.06	22.94	23.69	23.07	23.77		
100	PI2-BPSK	1	137	22.60	22.94	22.73	22.45	22.79	22.43	23.34	23.81	23.99	27.0	0.0
100	PI2-BPSK	135	5	22.49	22.84	22.76	22.47	22.85	22.55	23.49	23.99	23.64	27.0	0.0
100	PI2-BPSK	135	69	22.61	22.93	22.83	22.59	22.99	22.80	23.60	23.92	23.73	27.0	0.0
100	PI2-BPSK	135	139	22.59	22.81	22.73	22.52	22.81	22.47	23.36	23.82	23.82	27.0	0.0
100	PI2-BPSK	235	5	22.57	22.86	22.80	22.52	22.82	22.47	23.59	23.87	23.65		
100	QPSK	1	1	22.79	23.19	23.04	22.77	23.16	22.99	23.77	23.14	23.87	27.0	0.0
100	QPSK	1	137	22.73	23.04	22.89	22.60	22.91	22.65	23.79	23.02	23.79	27.0	0.0
100	QPSK	1	271	22.65	22.92	22.79	22.54	22.83	22.51	23.61	23.89	23.68		
100	QPSK	135	5	22.58	22.84	22.85	22.59	22.87	22.59	23.57	23.82	23.73	27.0	0.0
100	QPSK	135	69	22.66	22.91	22.87	22.59	22.85	22.59	23.59	23.87	23.74	27.0	0.0
100	QPSK	135	139	22.46	22.81	22.75	22.45	22.88	22.52	23.44	23.91	23.65	27.0	0.0
100	QPSK	235	5	22.92	22.95	22.93	22.58	22.58	22.53	23.81	23.87	23.74		
100	SSB-AM	1	1	22.71	23.16	23.01	22.81	23.09	22.88	23.67	23.13	23.86	27.0	0.0
100	SSB-AM	1	1	22.79	23.13	23.08	22.81	23.02	22.85	23.72	23.89	23.84	27.0	0.0
100	SSB-AM	1	1	20.38	20.71	20.57	20.64	20.47	20.63	21.83	23.76	23.81	20.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Middle Co./Freq.	Power High Co./Freq.		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				224.51	224.79	224.86	224.51	224.79	224.86	224.51	224.79	224.86		
100	PI2-BPSK	1	1	23.82	24.33	23.92	23.73	24.05	23.73	24.79	23.10	24.84	30.0	0.0
100	PI2-BPSK	1	137	23.30	23.59	23.39	23.19	23.52	23.00	23.26	23.46	23.21	30.0	0.0
100	PI2-BPSK	1	271	23.21	23.53	23.34	23.05	23.36	23.01	23.44	23.46	23.19	30.0	1.0
100	PI2-BPSK	135	5	24.52	24.81	24.69	24.00	24.51	24.17	27.31	27.87	27.59	30.0	1.0
100	PI2-BPSK	135	69	23.20	23.52	23.34	23.12	23.26	23.15	23.17	23.40	23.20	30.0	0.0
100	PI2-BPSK	135	139	24.29	24.55	24.31	24.07	24.11	24.07	27.17	27.34	27.25	30.0	1.0
100	PI2-BPSK	235	5	24.36	24.71	24.51	24.17	24.30	24.16	27.29	27.52	27.35		
100	QPSK	1	1	23.82	24.30	23.92	23.81	23.34	23.79	23.54	23.17	23.89	30.0	0.0
100	QPSK	1	137	23.79	23.87	23.69	23.10	23.69	23.10	23.76	23.06	23.71	30.0	0.0
100	QPSK	1	271	23.50	23.58	23.30	23.01	23.30	23.00	23.18	23.46	23.10		
100	QPSK	135	5	24.06	24.39	24.21	24.09	24.23	24.23	27.69	27.32	27.23	28.5	1.8
100	QPSK	135	69	23.57	23.87	23.74	23.42	23.57	23.49	23.50	23.50	23.50	30.0	0.0
100	QPSK	135	139	24.06	24.30	24.00	24.03	24.11	24.04	27.67	27.22	27.05	30.0	1.0
100	QPSK	235	5	24.02	24.21	24.08	24.21	24.20	24.23	27.13	27.25	27.17	30.0	1.0
100	SSB-AM	1	1	23.00	23.20	23.09	23.09	23.09	23.04	23.09	23.27	23.09	30.0	1.0
100	SSB-AM	1	1	23.02	23.31	23.10	22.90	23.22	22.87	23.97	23.28	23.03	27.5	2.5
100	SSB-AM	1	1	20.38	20.78	20.59	20.67	20.76	20.83	23.83	23.78	23.62	23.5	4.0



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.11	22.62	22.88	22.11	22.62	22.88	22.11	22.62	22.88	22.11	22.62
100	PI2-BPSK	1	1	22.12	22.63	22.92	22.12	22.63	22.92	22.12	22.63	22.92	27.0	0.0
100	PI2-BPSK	1	137	22.71	22.90	22.81	22.71	22.28	22.88	22.72	22.69	22.88	27.0	0.0
100	PI2-BPSK	1	271	22.84	22.65	22.83	22.71	22.12	22.76	22.88	22.84	22.81	27.0	0.0
100	PI2-BPSK	135	5	22.88	22.82	22.80	22.50	22.76	22.70	22.63	22.60	22.76	27.0	0.0
100	PI2-BPSK	135	66	22.69	22.67	22.91	22.69	22.28	22.88	22.70	22.13	22.90	27.0	0.0
100	PI2-BPSK	135	138	22.48	22.72	22.85	22.66	22.61	22.77	22.53	22.88	22.72	27.0	0.0
100	PI2-BPSK	210	5	22.62	22.76	22.81	22.60	22.12	22.81	22.60	22.95	22.60	27.0	0.0
100	QPSK	1	1	22.27	22.10	22.10	22.27	22.46	22.21	22.10	22.10	22.27	27.0	0.0
100	QPSK	1	137	22.78	22.98	22.95	22.80	22.41	22.80	22.81	22.84	22.98	27.0	0.0
100	QPSK	1	271	22.70	22.60	22.83	22.70	22.20	22.82	22.74	22.14	22.84	27.0	0.0
100	QPSK	135	5	22.75	22.91	22.83	22.59	22.23	22.83	22.73	22.68	22.84	27.0	0.0
100	QPSK	135	66	22.66	22.65	22.91	22.66	22.21	22.81	22.18	22.90	22.66	27.0	0.0
100	QPSK	135	138	22.63	22.70	22.76	22.61	22.13	22.81	22.63	22.97	22.60	27.0	0.0
100	QPSK	210	5	22.75	22.60	22.87	22.73	22.17	22.83	22.70	22.84	22.81	27.0	0.0
100	SSB-AM	1	1	22.81	22.10	22.86	22.83	22.46	22.28	22.68	22.26	22.50	27.0	0.0
100	SSB-AM	1	1	22.72	22.54	22.88	22.82	22.38	22.65	22.70	22.22	22.53	27.0	0.0
100	SSB-AM	1	1	22.30	22.72	22.53	22.52	21.63	22.67	22.52	22.89	22.56	22.5	1.5

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.		
Channel				505002	518508	528000	505002	518508	528000	505002	518508	528000		
Frequency (MHz)				22.11	22.62	22.88	22.11	22.62	22.88	22.11	22.62	22.88	22.11	22.62
100	PI2-BPSK	1	1	22.12	22.50	22.89	22.12	22.37	22.90	22.12	22.50	22.89	30.0	0.0
100	PI2-BPSK	1	137	22.38	22.65	22.42	22.68	22.60	22.15	22.20	22.64	22.30	30.0	0.0
100	PI2-BPSK	1	271	22.30	22.50	22.40	22.64	22.60	22.08	22.14	22.57	22.25	30.0	1.0
100	PI2-BPSK	135	5	22.48	22.70	22.53	22.64	22.62	22.33	22.41	22.60	22.41	30.0	1.0
100	PI2-BPSK	135	66	22.19	22.40	22.20	22.50	22.52	22.07	22.11	22.50	22.17	30.0	0.0
100	PI2-BPSK	135	138	22.30	22.40	22.61	22.52	22.03	22.64	22.09	22.74	22.0	30.0	1.0
100	PI2-BPSK	210	5	22.34	22.61	22.43	22.25	22.77	22.28	22.33	22.70	22.30	30.0	0.0
100	QPSK	1	1	22.12	22.10	22.10	22.12	22.41	22.07	22.10	22.10	22.12	30.0	0.0
100	QPSK	1	137	22.66	22.66	22.45	22.40	22.91	22.10	22.45	22.66	22.67	30.0	0.0
100	QPSK	1	271	22.28	22.52	22.20	22.41	22.90	22.47	22.30	22.74	22.30	30.0	0.0
100	QPSK	135	5	22.10	22.29	22.65	22.62	22.44	22.00	22.64	22.38	22.54	22.5	1.5
100	QPSK	135	66	22.61	22.60	22.81	22.61	22.17	22.60	22.60	22.60	22.60	30.0	0.0
100	QPSK	135	138	22.60	22.21	22.07	22.04	22.65	22.65	22.68	22.38	22.07	30.0	1.0
100	QPSK	210	5	22.05	22.20	22.49	22.03	22.05	22.07	22.05	22.45	22.50	30.0	1.0
100	SSB-AM	1	1	22.81	22.22	22.67	22.68	22.52	22.08	22.07	22.50	22.08	22.0	1.0
100	SSB-AM	1	1	22.86	22.21	22.90	22.67	22.55	22.09	22.05	22.39	22.05	22.5	2.5
100	SSB-AM	1	1	22.30	22.77	22.54	22.68	21.68	22.84	22.50	22.94	22.60	22.5	4.5



Part96_n48				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3076	3074.28	3072.56	3076	3074.28	3072.56	3076	3074.28	3072.56		
40	QPSK	1	1	19.93	19.97	19.98	19.45	19.47	19.45	22.71	22.74	22.66	24.0	0.0
40	QPSK	1	63	19.82	19.78	19.79	19.19	19.25	19.12	22.53	22.53	22.48		
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59		
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.85	20.99	21.11	21.02	22.5	1.5
40	QPSK	53	27	19.97	19.93	19.96	19.22	19.25	19.19	22.57	22.65	22.57	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.25		
40	16QAM	1	1	19.26	19.37	19.23	18.93	19.09	18.98	22.11	22.24	22.12	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.51	17.90	17.94	17.89	19.5	4.5

Part96_n48				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MRR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.			
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332
Frequency (MHz)				3076	3074.28	3072.56	3076	3074.28	3072.56	3076	3074.28	3072.56	3076	3074.28	3072.56
40	QPSK	1	1	18.42	18.52	18.44	16.53	16.64	16.55	20.59	20.69	20.61	22.5	0.0	
40	QPSK	1	63	18.36	18.39	18.35	16.52	16.63	16.48	20.55	20.61	20.53			
40	QPSK	1	104	18.35	18.41	18.41	16.43	16.52	16.43	20.51	20.58	20.54			
40	QPSK	53	0	18.33	18.32	18.38	16.50	16.57	16.50	20.52	20.54	20.55	22.5	0.0	
40	QPSK	53	27	19.36	19.46	19.40	16.52	16.60	16.54	20.57	20.64	20.58	22.5	0.0	
40	QPSK	53	53	18.35	18.34	18.29	16.45	16.55	16.53	20.51	20.55	20.51	22.5	0.0	
40	QPSK	106	0	18.38	18.44	18.30	16.48	16.59	16.52	20.54	20.62	20.51			
40	16QAM	1	1	18.35	18.45	18.37	16.49	16.49	16.50	20.53	20.59	20.55	22.5	0.0	
40	64QAM	1	1	17.34	17.36	17.31	16.75	16.81	16.73	19.63	19.66	19.60	21.5	1.0	
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.01	17.05	17.00	19.5	3.0	



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3240	3024.99	3079.98	3240	3024.99	3079.98	3240	3024.99	3079.98		
40	QPSK	1	1	18.47	18.50	18.44	18.50	18.54	18.42	21.00	21.53	21.44	23.0	0.0
40	QPSK	1	53	18.35	18.36	18.36	18.43	18.51	18.31	21.40	21.45	21.35		
40	QPSK	1	104	18.43	18.44	18.32	18.44	18.48	18.41	21.45	21.47	21.38		
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.82	22.5	0.5
40	QPSK	53	21	18.21	18.55	18.01	18.44	18.69	18.36	21.00	21.56	21.44	23.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.86	22.5	0.5
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		
40	16QAM	1	1	18.36	18.44	18.42	18.39	18.51	18.37	21.39	21.49	21.41	23.0	0.0
40	64QAM	1	1	16.90	16.99	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	1.5
40	256QAM	1	1	14.72	14.69	14.67	14.66	14.64	14.57	17.65	17.66	17.63	19.5	3.5

Part96_n48				Ant 3			Ant 6			Ant 3+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3240	3024.99	3079.98	3240	3024.99	3079.98	3240	3024.99	3079.98		
40	QPSK	1	1	18.55	18.40	18.38	18.55	18.91	18.88	20.67	20.73	20.70	22.5	0.0
40	QPSK	1	53	18.32	18.37	18.28	18.28	18.28	18.28	18.28	18.28	18.28		
40	QPSK	1	104	18.22	18.32	18.35	18.22	18.22	18.22	18.22	18.22	18.22		
40	QPSK	53	0	18.23	18.27	18.22	18.22	18.22	18.22	18.22	18.22	18.22	22.5	0.0
40	QPSK	53	21	18.24	18.38	18.28	18.28	18.28	18.28	18.28	18.28	18.28	22.5	0.0
40	QPSK	53	53	18.24	18.35	18.34	18.24	18.24	18.24	18.24	18.24	18.24	22.5	0.0
40	QPSK	106	0	18.29	18.37	18.33	18.33	18.33	18.33	18.33	18.33	18.33		
40	16QAM	1	1	18.21	18.37	18.37	18.21	18.21	18.21	18.21	18.21	18.21	22.5	0.0
40	64QAM	1	1	17.11	17.13	17.01	16.45	16.51	16.41	19.37	19.41	19.29	21.0	1.5
40	256QAM	1	1	14.80	15.00	14.86	13.15	13.19	13.07	17.12	17.20	17.13	19.0	3.5



Part270_n77(PC1.5)				Ant 4			Ant 6			Ant 4+6			Tx Power (dBm)	SFR (dB)
Cell ID	Modulation	ISD (W)	ISD (W)	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class		
Frequency (MHz)				3000	3000	3000	3000	3000	3000	3000	3000	3000		
100	PC1.5	1	1	23.12	23.14	23.16	23.18	23.20	23.22	23.24	23.26	23.28	27.0	0.0
100	PC1.5	1	1	23.14	23.16	23.18	23.20	23.22	23.24	23.26	23.28	23.30	27.0	0.0
100	PC1.5	1	1	23.16	23.18	23.20	23.22	23.24	23.26	23.28	23.30	23.32	27.0	0.0
100	PC1.5	1	1	23.18	23.20	23.22	23.24	23.26	23.28	23.30	23.32	23.34	27.0	0.0
100	PC1.5	1	1	23.20	23.22	23.24	23.26	23.28	23.30	23.32	23.34	23.36	27.0	0.0
100	PC1.5	1	1	23.22	23.24	23.26	23.28	23.30	23.32	23.34	23.36	23.38	27.0	0.0
100	PC1.5	1	1	23.24	23.26	23.28	23.30	23.32	23.34	23.36	23.38	23.40	27.0	0.0
100	PC1.5	1	1	23.26	23.28	23.30	23.32	23.34	23.36	23.38	23.40	23.42	27.0	0.0
100	PC1.5	1	1	23.28	23.30	23.32	23.34	23.36	23.38	23.40	23.42	23.44	27.0	0.0
100	PC1.5	1	1	23.30	23.32	23.34	23.36	23.38	23.40	23.42	23.44	23.46	27.0	0.0
100	PC1.5	1	1	23.32	23.34	23.36	23.38	23.40	23.42	23.44	23.46	23.48	27.0	0.0
100	PC1.5	1	1	23.34	23.36	23.38	23.40	23.42	23.44	23.46	23.48	23.50	27.0	0.0
100	PC1.5	1	1	23.36	23.38	23.40	23.42	23.44	23.46	23.48	23.50	23.52	27.0	0.0
100	PC1.5	1	1	23.38	23.40	23.42	23.44	23.46	23.48	23.50	23.52	23.54	27.0	0.0
100	PC1.5	1	1	23.40	23.42	23.44	23.46	23.48	23.50	23.52	23.54	23.56	27.0	0.0
100	PC1.5	1	1	23.42	23.44	23.46	23.48	23.50	23.52	23.54	23.56	23.58	27.0	0.0
100	PC1.5	1	1	23.44	23.46	23.48	23.50	23.52	23.54	23.56	23.58	23.60	27.0	0.0
100	PC1.5	1	1	23.46	23.48	23.50	23.52	23.54	23.56	23.58	23.60	23.62	27.0	0.0
100	PC1.5	1	1	23.48	23.50	23.52	23.54	23.56	23.58	23.60	23.62	23.64	27.0	0.0
100	PC1.5	1	1	23.50	23.52	23.54	23.56	23.58	23.60	23.62	23.64	23.66	27.0	0.0
100	PC1.5	1	1	23.52	23.54	23.56	23.58	23.60	23.62	23.64	23.66	23.68	27.0	0.0
100	PC1.5	1	1	23.54	23.56	23.58	23.60	23.62	23.64	23.66	23.68	23.70	27.0	0.0
100	PC1.5	1	1	23.56	23.58	23.60	23.62	23.64	23.66	23.68	23.70	23.72	27.0	0.0
100	PC1.5	1	1	23.58	23.60	23.62	23.64	23.66	23.68	23.70	23.72	23.74	27.0	0.0
100	PC1.5	1	1	23.60	23.62	23.64	23.66	23.68	23.70	23.72	23.74	23.76	27.0	0.0
100	PC1.5	1	1	23.62	23.64	23.66	23.68	23.70	23.72	23.74	23.76	23.78	27.0	0.0
100	PC1.5	1	1	23.64	23.66	23.68	23.70	23.72	23.74	23.76	23.78	23.80	27.0	0.0
100	PC1.5	1	1	23.66	23.68	23.70	23.72	23.74	23.76	23.78	23.80	23.82	27.0	0.0
100	PC1.5	1	1	23.68	23.70	23.72	23.74	23.76	23.78	23.80	23.82	23.84	27.0	0.0
100	PC1.5	1	1	23.70	23.72	23.74	23.76	23.78	23.80	23.82	23.84	23.86	27.0	0.0
100	PC1.5	1	1	23.72	23.74	23.76	23.78	23.80	23.82	23.84	23.86	23.88	27.0	0.0
100	PC1.5	1	1	23.74	23.76	23.78	23.80	23.82	23.84	23.86	23.88	23.90	27.0	0.0
100	PC1.5	1	1	23.76	23.78	23.80	23.82	23.84	23.86	23.88	23.90	23.92	27.0	0.0
100	PC1.5	1	1	23.78	23.80	23.82	23.84	23.86	23.88	23.90	23.92	23.94	27.0	0.0
100	PC1.5	1	1	23.80	23.82	23.84	23.86	23.88	23.90	23.92	23.94	23.96	27.0	0.0
100	PC1.5	1	1	23.82	23.84	23.86	23.88	23.90	23.92	23.94	23.96	23.98	27.0	0.0
100	PC1.5	1	1	23.84	23.86	23.88	23.90	23.92	23.94	23.96	23.98	24.00	27.0	0.0



Part27Q_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-up time (min)	MPT (min)	
Part 27Q	Material	HS Size	HS Detail	Power Loss Ch. 1(Freq.)	Power Loss Ch. 2(Freq.)	Power Loss Ch. 3(Freq.)	Power Loss Ch. 1(Freq.)	Power Loss Ch. 2(Freq.)	Power Loss Ch. 3(Freq.)	Power Loss Ch. 1(Freq.)	Power Loss Ch. 2(Freq.)	Power Loss Ch. 3(Freq.)			
Frequency Range				3000-30			3000-30			3000-30					
100	FR2BFSK	1	1	22.2	21.98	22.2	21.98	22.2	21.98	22.2	21.98	22.2	21.98	20.0	0.0
100	FR2BFSK	1	197	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	FR2BFSK	1	271	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FR2BFSK	100	0	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	FR2BFSK	100	80	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	20.0	0.0
100	FR2BFSK	100	150	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FR2BFSK	200	0	22.2	21.89	22.2	21.89	22.2	21.89	22.2	21.89	22.2	21.89	20.0	0.0
100	CPSK	1	1	22.2	22.02	22.2	22.02	22.2	22.02	22.2	22.02	22.2	22.02	20.0	0.0
100	CPSK	1	197	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	CPSK	1	271	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	20.0	0.0
100	CPSK	100	0	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	CPSK	100	80	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	CPSK	100	150	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	CPSK	200	0	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FSK4M	1	1	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	FSK4M	1	1	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FSK4M	1	1	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	20.0	0.0
100	FSK4M	1	1	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0

Part27Q_n77(PC1.5)				Ant 3			Ant 8			Ant 3+8			Time-up time (min)	MPT (min)	
Part 27Q	Material	HS Size	HS Detail	Power Loss Ch. 1(Freq.)	Power Loss Ch. 2(Freq.)	Power Loss Ch. 3(Freq.)	Power Loss Ch. 1(Freq.)	Power Loss Ch. 2(Freq.)	Power Loss Ch. 3(Freq.)	Power Loss Ch. 1(Freq.)	Power Loss Ch. 2(Freq.)	Power Loss Ch. 3(Freq.)			
Frequency Range				3000-30			3000-30			3000-30					
100	FR2BFSK	1	1	22.2	21.98	22.2	21.98	22.2	21.98	22.2	21.98	22.2	21.98	20.0	0.0
100	FR2BFSK	1	197	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	FR2BFSK	1	271	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FR2BFSK	100	0	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	FR2BFSK	100	80	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	20.0	0.0
100	FR2BFSK	100	150	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FR2BFSK	200	0	22.2	21.89	22.2	21.89	22.2	21.89	22.2	21.89	22.2	21.89	20.0	0.0
100	CPSK	1	1	22.2	22.02	22.2	22.02	22.2	22.02	22.2	22.02	22.2	22.02	20.0	0.0
100	CPSK	1	197	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	CPSK	1	271	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	20.0	0.0
100	CPSK	100	0	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	CPSK	100	80	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	CPSK	100	150	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	CPSK	200	0	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FSK4M	1	1	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	22.2	21.97	20.0	0.0
100	FSK4M	1	1	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0
100	FSK4M	1	1	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	22.2	21.88	20.0	0.0
100	FSK4M	1	1	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	22.2	21.92	20.0	0.0



Part270_n77(PC1.5)				Ant 3			Ant 8			Ant 3+8				Time-to-Set (min)	SPM		
Ant (MHz)	Modem	IS Min	IS Max	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.	Power High Ch. Freq.	Power Max Ch. Freq.	Power Low Ch. Freq.			Power High Ch. Freq.	Power Max Ch. Freq.
Summary																	
Frequency Range				3700	3800	3900	3900	3800	3700	3600	3700	3800	3900				
100	PC150PC	1	1	25.08	25.28	25.38	25.11	25.08	25.08	25.12	25.12	25.12	25.12	25.12	25.12		
100	PC150PC	1	1	25.09	25.27	25.29	25.09	25.12	25.07	25.12	25.12	25.12	25.12	25.12	25.12	20.0	0.0
100	PC150PC	1	1	25.08	25.29	25.14	25.04	25.10	25.11	25.05	25.06	25.06	25.16	25.16			
100	PC150PC	1	1	25.09	25.25	25.02	25.12	25.07	25.02	25.05	25.05	25.05	25.15	25.15	20.0	1.0	
100	PC150PC	1	1	25.17	25.20	25.10	25.05	25.17	25.04	25.09	25.09	25.09	25.11	25.11	20.0	0.0	
100	PC150PC	1	1	25.02	25.05	25.02	25.15	25.02	25.10	25.10	25.10	25.10	25.10	25.10	20.0	1.0	
100	PC150PC	1	1	25.20	25.22	25.20	25.07	25.01	25.07	25.02	25.02	25.02	25.10	25.10	20.0	1.0	
100	SP50	1	1	25.20	25.20	25.20	25.20	25.20	25.20	25.20	25.20	25.20	25.20	25.20	20.0	0.0	
100	SP50	1	1	25.12	25.20	25.10	25.04	25.08	25.02	25.12	25.12	25.12	25.12	25.12	20.0	0.0	
100	SP50	1	1	25.08	25.08	25.08	25.08	25.08	25.08	25.08	25.08	25.08	25.08	25.08	20.0	0.0	
100	SP50	1	1	25.05	25.14	25.09	25.05	25.06	25.07	25.10	25.10	25.10	25.10	25.10	20.0	1.0	
100	SP50	1	1	25.11	25.20	25.10	25.07	25.10	25.10	25.10	25.10	25.10	25.10	25.10	20.0	0.0	
100	SP50	1	1	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	25.09	20.0	1.0	
100	SP50	1	1	25.13	25.10	25.17	25.09	25.07	25.09	25.07	25.07	25.07	25.07	25.07	20.0	1.0	
100	PC150	1	1	25.09	25.20	25.10	25.08	25.07	25.09	25.10	25.10	25.10	25.10	25.10	20.0	1.0	
100	PC150	1	1	25.20	25.07	25.20	25.07	25.17	25.09	25.10	25.10	25.10	25.10	25.10	20.0	1.0	
100	PC150	1	1	25.05	25.08	25.05	25.07	25.07	25.07	25.07	25.07	25.07	25.07	25.07	20.0	1.0	



Part27Q_n77(PC2)				Ant 3			Ant 6			Ant 3+6				Time-up time (min)	MPL (dB)
SW MHz	Modulation	FE Size	FE Chn#	Power Level Ch. 1(Freq.)	Power Level Ch. 2(Freq.)	Power Level Ch. 3(Freq.)	Power Level Ch. 1(Freq.)	Power Level Ch. 2(Freq.)	Power Level Ch. 3(Freq.)	Power Level Ch. 1(Freq.)	Power Level Ch. 2(Freq.)	Power Level Ch. 3(Freq.)	Power Level Ch. 4(Freq.)		
Channel				3450.00			3450.00			3450.00					
Frequency MHz				3450.00			3450.00			3450.00					
100	PSK	1	1	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	PSK	1	137	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	24.0	0.0
100	PSK	1	271	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	PSK	155	155	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	24.0	0.0
100	PSK	155	158	20.13	20.13	20.13	20.13	20.13	20.13	20.13	20.13	20.13	20.13	24.0	0.0
100	PSK	155	158	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	24.0	0.0
100	PSK	270	0	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	24.0	0.0
100	PSK	1	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	PSK	1	137	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	PSK	1	271	20.18	20.18	20.18	20.18	20.18	20.18	20.18	20.18	20.18	20.18	24.0	0.0
100	PSK	155	155	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	24.0	0.0
100	PSK	155	158	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	24.0	0.0
100	PSK	155	158	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	PSK	270	0	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	24.0	0.0
100	QPSK	1	1	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	QPSK	1	1	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	24.0	0.0

Part27Q_n77(PC1.5)				Ant 3			Ant 6			Ant 3+6				Time-up time (min)	MPL (dB)
SW MHz	Modulation	FE Size	FE Chn#	Power Level Ch. 1(Freq.)	Power Level Ch. 2(Freq.)	Power Level Ch. 3(Freq.)	Power Level Ch. 1(Freq.)	Power Level Ch. 2(Freq.)	Power Level Ch. 3(Freq.)	Power Level Ch. 1(Freq.)	Power Level Ch. 2(Freq.)	Power Level Ch. 3(Freq.)	Power Level Ch. 4(Freq.)		
Channel				3450.00			3450.00			3450.00					
Frequency MHz				3450.00			3450.00			3450.00					
100	PSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	PSK	1	137	20.22	20.22	20.22	20.22	20.22	20.22	20.22	20.22	20.22	20.22	27.0	0.0
100	PSK	1	271	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	27.0	0.0
100	PSK	155	155	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	27.0	0.0
100	PSK	155	158	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	27.0	0.0
100	PSK	155	158	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	20.14	27.0	0.0
100	PSK	270	0	20.17	20.17	20.17	20.17	20.17	20.17	20.17	20.17	20.17	20.17	27.0	0.0
100	PSK	1	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	PSK	1	137	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	27.0	0.0
100	PSK	1	271	20.18	20.18	20.18	20.18	20.18	20.18	20.18	20.18	20.18	20.18	27.0	0.0
100	PSK	155	155	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	20.12	27.0	0.0
100	PSK	155	158	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	27.0	0.0
100	PSK	155	158	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	27.0	0.0
100	PSK	270	0	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	20.21	27.0	0.0
100	QPSK	1	1	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	27.0	0.0
100	QPSK	1	1	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	27.0	0.0
100	QPSK	1	1	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	20.11	27.0	0.0



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.26		21.15		21.15		24.24			26.0	0.0
100	QPSK	1	137	21.15		21.07		21.07		24.12				
100	QPSK	1	271	21.26		21.10		21.10		24.19				
100	QPSK	137	0	20.98		20.04		20.04		23.33			25.0	1.0
100	QPSK	137	68	21.15		21.08		21.15		24.15			26.0	0.0
100	QPSK	137	136	20.74		20.18		20.18		23.48			25.0	1.0
100	QPSK	273	0	20.66		20.12		20.12		23.41				
100	16QAM	1	1	21.23		21.17		21.17		24.21			26.0	0.0
100	64QAM	1	1	20.07		19.75		19.75		22.92			24.5	1.5
100	256QAM	1	1	17.07		16.81		16.81		19.85			21.5	4.5

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3720			3720			3720				
100	QPSK	1	1	21.15		21.17		21.17		24.17			26.0	0.0
100	QPSK	1	137	21.13		21.11		21.11		24.13				
100	QPSK	1	271	21.09		21.11		21.11		24.11				
100	QPSK	137	0	20.60		20.10		20.10		23.37			25.0	1.0
100	QPSK	137	68	21.08		21.07		21.08		24.08			26.0	0.0
100	QPSK	137	136	20.77		20.15		20.15		23.48			25.0	1.0
100	QPSK	273	0	20.68		20.16		20.16		23.44				
100	16QAM	1	1	21.04		21.07		21.07		24.07			26.0	0.0
100	64QAM	1	1	19.85		19.80		19.80		22.84			24.5	1.5
100	256QAM	1	1	16.85		17.00		17.00		19.04			21.5	4.5



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3499.96			3499.96			3499.96				
100	QPSK	1	1	19.25			19.25			22.24			24.0	0.0
100	QPSK	1	137	19.12			19.12			22.13			24.0	0.0
100	QPSK	1	271	19.24			19.19			22.23			24.0	0.0
100	QPSK	137	0	19.12			19.09			22.12			24.0	0.0
100	QPSK	137	68	19.21			19.18			22.21			24.0	0.0
100	QPSK	137	136	19.13			19.12			22.14			24.0	0.0
100	QPSK	273	0	19.19			19.16			22.19			24.0	0.0
100	16QAM	1	1	19.21			19.09			22.16			24.0	0.0
100	64QAM	1	1	19.16			19.18			22.18			24.0	0.0
100	256QAM	1	1	17.67			17.60			20.06			21.5	-2.5



Part27O_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				650000			650000			650000				
Frequency (MHz)				3790			3790			3790				
100	QPSK	1	1	19.18	19.18	19.18	19.18	19.18	19.18	19.18	19.18	19.18	24.0	0.0
100	QPSK	1	137	19.12	19.12	19.15	19.15	19.15	19.15	22.15	22.15	22.15		
100	QPSK	1	271	19.14	19.14	19.13	19.13	19.13	19.13	22.14	22.14	22.14	24.0	0.0
100	QPSK	137	0	19.14	19.14	19.12	19.12	19.12	19.12	22.14	22.14	22.14	24.0	0.0
100	QPSK	137	68	19.15	19.15	19.14	19.14	19.14	19.14	22.16	22.16	22.16	24.0	0.0
100	QPSK	137	136	19.08	19.08	19.10	19.10	19.10	19.10	22.10	22.10	22.10	24.0	0.0
100	QPSK	273	0	19.04	19.04	19.04	19.04	19.04	19.04	22.05	22.05	22.05	24.0	0.0
100	16QAM	1	1	19.10	19.10	19.08	19.08	19.08	19.08	22.10	22.10	22.10	24.0	0.0
100	16QAM	1	1	19.16	19.16	19.05	19.05	19.05	19.05	22.12	22.12	22.12	24.0	0.0
100	256QAM	1	1	16.85	16.85	17.05	17.05	17.05	17.05	19.96	19.96	19.96	21.5	2.5

Part27Q_n78				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	21.14	21.14	21.16	21.16	21.16	21.16	24.16	24.16	24.16	26.0	0.0
100	QPSK	1	137	21.03	21.03	21.11	21.11	21.11	21.11	24.08	24.08	24.08	26.0	0.0
100	QPSK	1	271	21.11	21.11	21.11	21.11	21.11	21.11	24.12	24.12	24.12	26.0	0.0
100	QPSK	137	0	20.40	20.40	20.40	20.40	20.40	20.40	23.23	23.23	23.23	26.0	1.0
100	QPSK	137	68	21.12	21.12	21.13	21.13	21.13	21.13	23.14	23.14	23.14	26.0	0.0
100	QPSK	137	136	20.48	20.48	20.18	20.18	20.18	20.18	23.34	23.34	23.34	26.0	1.0
100	QPSK	273	0	20.30	20.30	20.12	20.12	20.12	20.12	23.22	23.22	23.22	26.0	1.0
100	16QAM	1	1	21.02	21.02	21.09	21.09	21.09	21.09	24.07	24.07	24.07	26.0	0.0
100	64QAM	1	1	20.00	20.00	19.76	19.76	19.76	19.76	22.89	22.89	22.89	24.5	1.5
100	256QAM	1	1	17.09	17.09	16.81	16.81	16.81	16.81	19.96	19.96	19.96	21.0	4.0



Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				39.5			39.5			39.5				
100	QPSK	1	1	21.17			21.16					24.18		
100	QPSK	1	137	21.16			21.09					24.14	26.0	0.0
100	QPSK	1	271	21.05			21.07					24.07		
100	QPSK	137	0	20.40			20.19					23.26	25.0	1.0
100	QPSK	137	68	21.08			21.09					24.10	26.0	0.0
100	QPSK	137	135	20.55			20.15					23.36		
100	QPSK	273	0	20.30			20.16					23.24	25.0	1.0
100	16QAM	1	1	21.04			21.15					24.11	26.0	0.0
100	64QAM	1	1	19.89			19.89					22.81	24.5	1.5
100	256QAM	1	1	17.50			17.50					20.06	21.5	4.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3429.98			3429.98			3429.98				
100	QPSK	1	1	19.18	19.17	19.17	19.07	19.17	19.17	22.13	22.10	22.10	24.0	0.0
100	QPSK	1	137	19.05	19.16	19.16	19.05	19.16	19.11	22.15	22.15	22.15	24.0	0.0
100	QPSK	1	271	19.16	19.16	19.16	19.16	19.16	19.11	22.15	22.15	22.15	24.0	0.0
100	QPSK	137	0	19.17	19.17	19.17	19.17	19.17	19.15	22.17	22.17	22.17	24.0	0.0
100	QPSK	137	136	19.13	19.13	19.13	19.13	19.13	19.13	22.14	22.14	22.14	24.0	0.0
100	QPSK	273	0	19.05	19.08	19.08	19.05	19.08	19.11	22.08	22.08	22.08	24.0	0.0
100	16QAM	1	1	19.08	19.08	19.08	19.08	19.08	19.11	22.08	22.08	22.08	24.0	0.0
100	64QAM	1	1	19.13	19.13	19.13	19.13	19.13	19.11	22.13	22.13	22.13	24.0	0.0
100	256QAM	1	1	17.09	17.09	17.09	17.09	17.09	17.09	20.06	20.06	20.06	21.5	2.5

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3792			3792			3792				
100	QPSK	1	1	19.20	19.19	19.19	19.05	19.19	19.19	22.20	22.20	22.20	24.0	0.0
100	QPSK	1	137	19.05	19.16	19.16	19.05	19.16	19.11	22.15	22.15	22.15	24.0	0.0
100	QPSK	1	271	19.14	19.14	19.14	19.14	19.14	19.11	22.15	22.15	22.15	24.0	0.0
100	QPSK	137	0	19.14	19.14	19.14	19.14	19.14	19.11	22.15	22.15	22.15	24.0	0.0
100	QPSK	137	136	19.16	19.16	19.16	19.16	19.16	19.15	22.17	22.17	22.17	24.0	0.0
100	QPSK	137	136	19.13	19.13	19.13	19.13	19.13	19.13	22.14	22.14	22.14	24.0	0.0
100	QPSK	273	0	19.15	19.15	19.15	19.15	19.15	19.15	22.15	22.15	22.15	24.0	0.0
100	16QAM	1	1	19.07	19.07	19.07	19.07	19.07	19.11	22.08	22.08	22.08	24.0	0.0
100	64QAM	1	1	19.16	19.16	19.16	19.16	19.16	19.11	22.16	22.16	22.16	24.0	0.0
100	256QAM	1	1	17.09	17.09	17.09	17.09	17.09	17.09	20.06	20.06	20.06	21.5	2.5



Reduced Power Mode for DSI11 UL MIMO

n2		Ant 2			Ant 3			Ant 2+3			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890
40	P12 BPSK	1	1	15.03	15.19	15.06	14.42	14.60	14.47	17.75	17.92	17.79
40	P12 BPSK	1	108	15.04	15.15	15.10	14.49	14.59	14.46	17.78	17.89	17.80
40	P12 BPSK	1	214	15.04	15.07	15.14	14.43	14.97	14.41	17.76	17.84	17.80
40	P12 BPSK	108	0	15.01	15.18	15.15	14.52	14.55	14.38	17.75	17.85	17.75
40	P12 BPSK	108	54	15.02	15.05	15.16	14.46	14.52	14.42	17.76	17.80	17.82
40	P12 BPSK	108	108	14.97	15.13	15.04	14.48	14.55	14.41	17.74	17.86	17.75
40	P12 BPSK	216	0	15.01	15.16	15.15	14.42	14.53	14.37	17.74	17.87	17.79
40	QPSK	1	1	15.12	15.20	15.16	14.61	14.52	14.98	17.85	17.85	17.85
40	QPSK	1	108	15.03	15.05	15.04	14.55	14.52	14.38	17.81	17.80	17.73
40	QPSK	1	214	15.05	15.10	15.07	14.46	14.51	14.43	17.78	17.83	17.77
40	QPSK	108	0	14.99	15.15	15.12	14.56	14.55	14.45	17.79	17.87	17.81
40	QPSK	108	54	15.00	15.19	15.16	14.57	14.58	14.50	17.80	17.81	17.85
40	QPSK	108	108	14.96	15.10	15.04	14.53	14.56	14.47	17.77	17.85	17.77
40	QPSK	216	0	15.06	15.18	15.04	14.42	14.48	14.40	17.76	17.85	17.74
40	16QAM	1	1	15.05	15.12	15.06	14.44	14.58	14.42	17.77	17.87	17.76
40	64QAM	1	1	15.10	15.07	15.03	14.53	14.55	14.47	17.83	17.83	17.77
40	256QAM	1	1	15.05	15.13	15.10	14.50	14.50	14.45	17.79	17.84	17.80

n2		Ant 2			Ant 1			Ant 2+1			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890
40	P12 BPSK	1	1	16.51	16.51	16.48	16.33	16.50	16.43	19.43	19.52	19.47
40	P12 BPSK	1	108	16.42	16.54	16.55	16.38	16.45	16.38	19.41	19.51	19.48
40	P12 BPSK	1	214	16.46	16.51	16.47	16.31	16.37	16.37	19.40	19.45	19.43
40	P12 BPSK	108	0	16.45	16.53	16.49	16.36	16.42	16.35	19.43	19.54	19.43
40	P12 BPSK	108	54	16.46	16.58	16.49	16.37	16.37	16.46	19.43	19.49	19.49
40	P12 BPSK	108	108	16.46	16.57	16.47	16.40	16.49	16.40	19.44	19.54	19.45
40	P12 BPSK	216	0	16.40	16.63	16.45	16.37	16.50	16.39	19.40	19.58	19.43
40	QPSK	1	1	16.52	16.64	16.59	16.45	16.52	16.51	19.50	19.59	19.56
40	QPSK	1	108	16.45	16.58	16.56	16.35	16.42	16.45	19.41	19.51	19.54
40	QPSK	1	214	16.43	16.54	16.53	16.33	16.40	16.38	19.39	19.48	19.47
40	QPSK	108	0	16.44	16.59	16.49	16.35	16.40	16.38	19.41	19.51	19.45
40	QPSK	108	54	16.50	16.63	16.55	16.42	16.51	16.48	19.47	19.58	19.53
40	QPSK	108	108	16.48	16.62	16.51	16.33	16.44	16.48	19.42	19.54	19.50
40	QPSK	216	0	16.46	16.56	16.55	16.33	16.50	16.41	19.41	19.54	19.48
40	16QAM	1	1	16.39	16.52	16.57	16.32	16.38	16.46	19.37	19.46	19.53
40	64QAM	1	1	16.49	16.63	16.49	16.31	16.46	16.39	19.41	19.56	19.45
40	256QAM	1	1	16.45	16.54	16.46	16.35	16.41	16.43	19.41	19.49	19.46



n2				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				344200	349200	349200	344200	349200	349200	344200	349200	349200		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	20.20	20.39	20.43	19.98	20.00	20.00	23.10	23.21	23.23	24.5	0.0
40	PI2 BPSK	1	108	20.26	20.42	20.42	19.99	20.02	19.96	23.14	23.23	23.21		
40	PI2 BPSK	1	214	20.33	20.40	20.45	20.06	20.05	19.95	23.21	23.24	23.22	24.5	0.0
40	PI2 BPSK	108	0	20.28	20.34	20.33	20.05	20.00	19.97	23.18	23.18	23.16		
40	PI2 BPSK	108	54	20.29	20.35	20.45	20.05	20.03	19.94	23.18	23.20	23.21	24.5	0.0
40	PI2 BPSK	108	108	20.23	20.34	20.40	20.02	20.10	19.89	23.14	23.23	23.16		
40	PI2 BPSK	216	0	20.21	20.34	20.43	20.04	20.06	19.93	23.14	23.21	23.20	24.5	0.0
40	QPSK	1	1	20.28	20.48	20.49	20.10	20.12	20.03	23.23	23.24	23.26		
40	QPSK	1	108	20.24	20.35	20.44	19.98	19.97	19.91	23.12	23.16	23.15	24.5	0.0
40	QPSK	1	214	20.29	20.37	20.37	20.07	20.03	19.89	23.19	23.21	23.15		
40	QPSK	108	0	20.25	20.36	20.38	19.96	20.03	19.94	23.12	23.21	23.18	24.5	0.0
40	QPSK	108	54	20.30	20.48	20.45	20.04	20.07	19.95	23.18	23.29	23.22		
40	QPSK	108	108	20.22	20.40	20.42	20.03	19.98	19.92	23.13	23.21	23.19	24.5	0.0
40	QPSK	216	0	20.30	20.45	20.31	19.98	20.05	19.89	23.15	23.28	23.12		
40	16QAM	1	1	20.26	20.40	20.41	19.98	20.01	19.88	23.13	23.22	23.16	24.5	0.0
40	64QAM	1	1	20.30	20.40	20.31	19.91	19.95	19.91	22.93	23.06	22.94		
40	256QAM	1	1	17.97	18.00	17.91	17.99	17.95	17.98	20.79	20.84	20.76	22.5	2.0

n2				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel				344200	349200	349200	344200	349200	349200	344200	349200	349200		
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890		
40	PI2 BPSK	1	1	21.34	21.40	21.29	21.09	21.20	21.08	24.23	24.31	24.20	25.5	0.0
40	PI2 BPSK	1	108	21.27	21.39	21.28	21.05	21.23	21.09	24.17	24.32	24.20		
40	PI2 BPSK	1	214	21.32	21.37	21.27	21.15	21.14	21.20	24.25	24.27	24.25	25.5	0.0
40	PI2 BPSK	108	0	21.28	21.35	21.33	21.13	21.27	21.12	24.22	24.32	24.24		
40	PI2 BPSK	108	54	21.40	21.43	21.38	21.15	21.16	21.12	24.29	24.31	24.26	25.5	0.0
40	PI2 BPSK	108	108	21.33	21.43	21.40	21.09	21.21	21.15	24.22	24.33	24.29		
40	PI2 BPSK	216	0	21.39	21.31	21.35	21.03	21.27	21.15	24.22	24.30	24.26	25.5	0.0
40	QPSK	1	1	21.42	21.35	21.41	21.15	21.28	21.23	24.31	24.35	24.33		
40	QPSK	1	108	21.31	21.44	21.38	21.06	21.14	21.14	24.20	24.30	24.28	25.5	0.0
40	QPSK	1	214	21.39	21.42	21.29	21.14	21.19	21.17	24.28	24.32	24.24		
40	QPSK	108	0	21.38	21.38	21.36	21.06	21.23	21.12	24.23	24.32	24.25	25.5	0.0
40	QPSK	108	54	21.40	21.42	21.35	21.11	21.25	21.17	24.27	24.35	24.29		
40	QPSK	108	108	21.27	21.34	21.34	21.06	21.18	21.18	24.18	24.27	24.26	25.5	0.0
40	QPSK	216	0	21.33	21.40	21.37	21.09	21.20	21.15	24.22	24.31	24.27		
40	16QAM	1	1	21.35	21.41	21.37	21.11	21.13	21.21	24.24	24.28	24.30	25.5	1.0
40	64QAM	1	1	20.30	20.40	20.31	20.14	20.15	20.07	23.23	23.29	23.20		
40	256QAM	1	1	17.97	18.00	17.91	17.92	17.77	17.76	20.81	20.90	20.85	22.5	3.0



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				374200	376500	379200	374200	376500	379200	374200	376500	379200		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2BPSK	1	1	15.19	15.13	15.04	14.79	14.86	14.68	15.00	15.01	17.87		
40	PI2BPSK	1	108	15.19	15.17	15.06	14.76	14.77	14.81	17.99	17.98	17.95	19.0	0.0
40	PI2BPSK	1	214	15.08	15.21	15.17	14.79	14.81	14.68	17.95	18.02	17.94		
40	PI2BPSK	108	0	15.16	15.13	15.04	14.75	14.86	14.72	17.97	18.01	17.89	19.0	0.0
40	PI2BPSK	108	54	15.08	15.11	15.06	14.87	14.85	14.69	17.99	17.99	17.89	19.0	0.0
40	PI2BPSK	108	108	15.15	15.21	15.07	14.85	14.84	14.71	18.01	18.04	17.90		
40	PI2BPSK	216	0	15.11	15.23	15.11	14.82	14.75	14.68	17.98	18.01	17.91	19.0	0.0
40	QPSK	1	1	15.23	15.28	15.19	14.88	14.84	14.81	18.04	18.06	18.04		
40	QPSK	1	108	15.12	15.11	15.13	14.84	14.81	14.70	17.99	17.97	17.93	19.0	0.0
40	QPSK	1	214	15.17	15.21	15.05	14.76	14.89	14.70	17.98	18.05	17.89		
40	QPSK	108	0	15.14	15.20	15.04	14.77	14.84	14.69	17.97	18.03	17.88	19.0	0.0
40	QPSK	108	54	15.10	15.22	15.15	14.80	14.85	14.73	17.99	18.05	17.98	19.0	0.0
40	QPSK	108	108	15.07	15.21	15.12	14.77	14.78	14.75	17.99	18.01	17.95	19.0	0.0
40	QPSK	216	0	15.07	15.12	15.08	14.80	14.84	14.73	17.95	17.98	17.92		
40	16QAM	1	1	15.15	15.12	15.07	14.81	14.81	14.73	17.99	17.98	17.91	19.0	0.0
40	64QAM	1	1	15.10	15.10	15.09	14.84	14.84	14.68	17.98	17.98	17.90	19.0	0.0
40	256QAM	1	1	15.14	15.23	15.10	14.75	14.81	14.78	17.96	18.04	17.95	19.0	0.0

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq		
Channel				374200	376500	379200	374200	376500	379200	374200	376500	379200		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2BPSK	1	1	16.62	16.61	16.49	16.83	17.11	16.99	19.74	19.88	19.76		
40	PI2BPSK	1	108	16.60	16.67	16.56	16.85	16.99	16.93	19.74	19.84	19.76	20.5	0.0
40	PI2BPSK	1	214	16.57	16.67	16.50	16.86	16.98	16.97	19.74	19.84	19.78		
40	PI2BPSK	108	0	16.55	16.60	16.45	16.95	17.09	16.85	19.71	19.86	19.69	20.5	0.0
40	PI2BPSK	108	54	16.62	16.56	16.56	16.85	17.02	16.85	19.75	19.81	19.72	20.5	0.0
40	PI2BPSK	108	108	16.53	16.62	16.56	16.90	17.09	16.91	19.73	19.87	19.75	20.5	0.0
40	PI2BPSK	216	0	16.55	16.55	16.53	16.83	17.00	16.90	19.70	19.79	19.73		
40	QPSK	1	1	16.60	16.68	16.60	16.98	17.12	17.05	19.82	19.82	19.81		
40	QPSK	1	108	16.58	16.54	16.51	16.95	17.02	16.88	19.75	19.80	19.71	20.5	0.0
40	QPSK	1	214	16.62	16.56	16.50	16.87	17.08	16.86	19.76	19.84	19.69		
40	QPSK	108	0	16.62	16.65	16.47	16.86	17.00	16.91	19.75	19.84	19.71	20.5	0.0
40	QPSK	108	54	16.64	16.65	16.55	16.95	17.10	16.90	19.81	19.90	19.79	20.5	0.0
40	QPSK	108	108	16.54	16.58	16.52	16.90	17.09	16.92	19.73	19.85	19.73	20.5	0.0
40	QPSK	216	0	16.51	16.58	16.55	16.83	16.99	16.90	19.68	19.80	19.74		
40	16QAM	1	1	16.56	16.60	16.49	16.95	17.01	16.92	19.77	19.82	19.72	20.5	0.0
40	64QAM	1	1	16.61	16.61	16.49	16.96	17.04	16.89	19.80	19.84	19.70	20.5	0.0
40	256QAM	1	1	16.56	16.61	16.45	16.77	17.03	17.02	19.68	19.84	19.75	20.5	0.0



n25				Ant 0			Ant 3			Ant 0+3			Tune-up limit (dBm)	MRR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq				
Channel				334500	339500	339500	334500	339500	339500	334500	339500	339500	334500	339500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895				
40	PI2 BPSK	1	1	20.98	21.06	21.12	20.48	20.46	20.34	23.75	23.78	23.76				
40	PI2 BPSK	1	108	20.97	21.19	21.12	20.43	20.38	20.43	23.72	23.81	23.80	24.5	0.0		
40	PI2 BPSK	1	214	20.93	21.11	21.06	20.42	20.40	20.42	23.69	23.78	23.76				
40	PI2 BPSK	108	0	20.96	21.08	21.10	20.45	20.50	20.43	23.72	23.81	23.78	24.5	0.0		
40	PI2 BPSK	108	64	20.98	21.09	21.08	20.40	20.44	20.42	23.71	23.79	23.77	24.5	0.0		
40	PI2 BPSK	108	108	20.98	21.09	21.02	20.37	20.48	20.30	23.70	23.81	23.69	24.5	0.0		
40	PI2 BPSK	216	0	20.95	21.18	21.04	20.41	20.47	20.44	23.70	23.85	23.76				
40	QPSK	1	1	21.08	21.20	21.17	20.50	20.45	20.31	23.80	23.84	23.84				
40	QPSK	1	108	21.04	21.11	21.06	20.41	20.43	20.39	23.75	23.76	23.75	24.5	0.0		
40	QPSK	1	214	21.07	21.13	21.03	20.45	20.38	20.31	23.78	23.78	23.70				
40	QPSK	108	0	21.00	21.12	21.11	20.38	20.43	20.31	23.71	23.80	23.74	24.5	0.0		
40	QPSK	108	64	21.01	21.16	21.14	20.43	20.51	20.42	23.74	23.88	23.81	24.5	0.0		
40	QPSK	108	108	20.99	21.08	21.12	20.38	20.49	20.40	23.71	23.81	23.79	24.5	0.0		
40	QPSK	216	0	21.03	21.17	21.09	20.35	20.38	20.31	23.71	23.78	23.73				
40	16QAM	1	1	20.99	21.15	21.09	20.45	20.45	20.38	23.74	23.82	23.76	24.5	0.0		
40	64QAM	1	1	20.17	20.58	20.54	19.84	19.88	19.77	23.02	23.25	23.18	24.5	0.0		
40	256QAM	1	1	17.70	18.08	18.00	17.51	17.66	17.56	20.82	20.89	20.80	22.5	2.0		

n25				Ant 0			Ant 1			Ant 0+1			Tune-up limit (dBm)	MRR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq				
Channel				334500	339500	339500	334500	339500	339500	334500	339500	339500	334500	339500		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895				
40	PI2 BPSK	1	1	21.52	21.50	21.54	21.38	21.43	21.52	24.46	24.48	24.54				
40	PI2 BPSK	1	108	21.48	21.50	21.56	21.48	21.53	21.40	24.49	24.53	24.49	25.5	0.0		
40	PI2 BPSK	1	214	21.57	21.51	21.45	21.44	21.51	21.40	24.52	24.52	24.44				
40	PI2 BPSK	108	0	21.48	21.58	21.47	21.39	21.42	21.38	24.45	24.52	24.44	25.5	0.0		
40	PI2 BPSK	108	64	21.53	21.63	21.45	21.47	21.50	21.45	24.51	24.58	24.46	25.5	0.0		
40	PI2 BPSK	108	108	21.48	21.63	21.44	21.39	21.43	21.45	24.45	24.49	24.46	25.5	0.0		
40	PI2 BPSK	216	0	21.56	21.51	21.46	21.38	21.49	21.42	24.48	24.51	24.45				
40	QPSK	1	1	21.60	21.65	21.57	21.52	21.57	21.54	24.57	24.62	24.52				
40	QPSK	1	108	21.56	21.55	21.45	21.48	21.42	21.44	24.53	24.50	24.45	25.5	0.0		
40	QPSK	1	214	21.52	21.64	21.56	21.51	21.43	21.51	24.53	24.55	24.55				
40	QPSK	108	0	21.55	21.55	21.48	21.40	21.45	21.39	24.49	24.51	24.45	25.5	0.0		
40	QPSK	108	64	21.58	21.63	21.50	21.45	21.53	21.52	24.53	24.59	24.52	25.5	0.0		
40	QPSK	108	108	21.56	21.56	21.43	21.42	21.52	21.48	24.50	24.55	24.47	25.5	0.0		
40	QPSK	216	0	21.49	21.58	21.49	21.39	21.48	21.42	24.45	24.54	24.47				
40	16QAM	1	1	21.57	21.64	21.54	21.39	21.51	21.46	24.49	24.59	24.51	25.5	0.0		
40	64QAM	1	1	20.96	20.58	20.47	20.41	20.51	20.37	23.50	23.56	23.43	24.5	1.0		
40	256QAM	1	1	18.17	18.25	18.13	17.81	17.92	17.81	21.00	21.10	20.98	22.5	3.0		



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel	Frequency (MHz)			346000	346000	346000	346000	346000	346000	346000	346000	346000		
40	PI2 BPSK	1	1	18.23	18.21	18.08	17.87	17.97	17.93	21.06	21.10	21.02	22.0	0.0
40	PI2 BPSK	1	108	18.15	18.17	18.17	17.97	17.97	17.85	21.07	21.08	21.02		
40	PI2 BPSK	1	214	18.12	18.18	18.15	17.87	17.88	17.92	21.01	21.04	21.05	22.0	0.0
40	PI2 BPSK	108	0	18.16	18.14	18.13	17.93	18.00	17.92	21.06	21.08	21.04		
40	PI2 BPSK	108	54	18.24	18.26	18.21	17.98	18.00	17.89	21.12	21.14	21.06	22.0	0.0
40	PI2 BPSK	108	108	18.18	18.14	18.09	17.95	17.89	17.89	21.08	21.06	21.00		
40	PI2 BPSK	216	0	18.12	18.21	18.19	17.99	17.94	17.84	21.07	21.09	21.03	22.0	0.0
40	QPSK	1	1	18.23	18.28	18.22	18.00	18.01	17.97	21.14	21.16	21.11		
40	QPSK	1	108	18.24	18.26	18.12	17.88	18.00	17.88	21.06	21.14	21.01	22.0	0.0
40	QPSK	1	214	18.19	18.19	18.17	17.95	17.95	17.89	21.08	21.08	21.04		
40	QPSK	108	0	18.18	18.20	18.19	17.93	17.90	17.87	21.07	21.06	21.04	22.0	0.0
40	QPSK	108	54	18.20	18.23	18.21	17.98	18.00	17.95	21.10	21.13	21.05		
40	QPSK	108	108	18.10	18.19	18.07	17.97	17.96	17.86	21.05	21.08	21.05	22.0	0.0
40	QPSK	216	0	18.11	18.22	18.21	17.91	17.98	17.90	21.02	21.11	21.07		
40	16QAM	1	1	18.16	18.15	18.15	17.91	17.90	17.95	21.05	21.04	21.06	22.0	0.0
40	16QAM	1	1	18.17	18.22	18.17	17.85	17.88	17.95	21.02	21.06	21.07		
40	256QAM	1	1	17.92	17.86	17.86	17.87	17.80	17.85	20.98	20.84	20.87	22.0	0.0
40	256QAM	1	1	17.92	17.86	17.86	17.87	17.80	17.85	20.98	20.84	20.87		

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel	Frequency (MHz)			346000	346000	346000	346000	346000	346000	346000	346000	346000		
40	PI2 BPSK	1	1	19.18	19.23	19.21	19.58	19.68	19.64	22.39	22.47	22.44	23.0	0.0
40	PI2 BPSK	1	108	19.30	19.27	19.24	19.63	19.67	19.64	22.48	22.48	22.45		
40	PI2 BPSK	1	214	19.25	19.33	19.28	19.62	19.59	19.65	22.45	22.52	22.48	23.0	0.0
40	PI2 BPSK	108	0	19.32	19.25	19.26	19.59	19.76	19.67	22.47	22.52	22.48		
40	PI2 BPSK	108	54	19.28	19.31	19.16	19.59	19.73	19.68	22.45	22.54	22.44	23.0	0.0
40	PI2 BPSK	108	108	19.28	19.37	19.23	19.66	19.66	19.68	22.48	22.53	22.43		
40	PI2 BPSK	216	0	19.25	19.23	19.15	19.55	19.66	19.69	22.41	22.46	22.44	23.0	0.0
40	QPSK	1	1	19.13	19.38	19.29	19.57	19.75	19.75	22.52	22.54	22.54		
40	QPSK	1	108	19.20	19.34	19.27	19.65	19.73	19.66	22.44	22.56	22.48	23.0	0.0
40	QPSK	1	214	19.19	19.32	19.25	19.57	19.67	19.66	22.39	22.51	22.47		
40	QPSK	108	0	19.18	19.34	19.28	19.62	19.70	19.60	22.42	22.53	22.45	23.0	0.0
40	QPSK	108	54	19.20	19.38	19.30	19.65	19.71	19.69	22.48	22.56	22.51		
40	QPSK	108	108	19.27	19.32	19.26	19.59	19.69	19.63	22.48	22.54	22.46	23.0	0.0
40	QPSK	216	0	19.21	19.34	19.18	19.60	19.70	19.65	22.42	22.53	22.43		
40	16QAM	1	1	19.21	19.33	19.17	19.67	19.73	19.60	22.46	22.54	22.40	23.0	0.0
40	16QAM	1	1	19.21	19.28	19.20	19.55	19.70	19.65	22.39	22.51	22.44		
40	256QAM	1	1	17.85	17.84	17.87	17.74	18.12	18.11	20.86	20.90	20.86	22.5	0.5
40	256QAM	1	1	17.85	17.84	17.87	17.74	18.12	18.11	20.86	20.90	20.86		



n66				Ant 0			Ant 3			Ant 0+3			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel	Frequency (MHz)			346000	346000	346000	346000	346000	346000	346000	346000	346000		
40	P1/2 BPSK	1	1	21.41	21.34	21.35	21.00	21.00	20.98	24.22	24.18	24.18		
40	P1/2 BPSK	1	108	21.41	21.37	21.38	20.97	20.95	20.99	24.21	24.18	24.20	25.0	0.0
40	P1/2 BPSK	1	214	21.32	21.35	21.37	21.01	21.02	20.95	24.18	24.20	24.18		
40	P1/2 BPSK	108	0	21.34	21.41	21.32	21.00	20.98	20.93	24.18	24.22	24.14	25.0	0.0
40	P1/2 BPSK	108	54	21.39	21.45	21.27	20.98	20.93	20.88	24.20	24.21	24.09	25.0	0.0
40	P1/2 BPSK	108	108	21.42	21.35	21.39	20.97	21.01	20.94	24.21	24.19	24.18	25.0	0.0
40	P1/2 BPSK	216	0	21.43	21.37	21.38	21.00	20.92	20.97	24.23	24.16	24.19		
40	QPSK	1	1	21.40	21.35	21.40	21.03	21.05	21.01	24.25	24.20	24.22		
40	QPSK	1	108	21.32	21.44	21.28	20.97	20.94	20.86	24.16	24.21	24.09	25.0	0.0
40	QPSK	1	214	21.44	21.37	21.30	20.90	21.00	20.93	24.19	24.20	24.13		
40	QPSK	108	0	21.33	21.43	21.25	21.01	20.99	20.91	24.18	24.23	24.09	25.0	0.0
40	QPSK	108	54	21.44	21.45	21.37	21.02	21.03	20.99	24.23	24.26	24.19	25.0	0.0
40	QPSK	108	108	21.33	21.41	21.35	20.89	20.95	20.97	24.19	24.20	24.13	25.0	0.0
40	QPSK	216	0	21.40	21.44	21.31	21.01	21.02	20.98	24.22	24.25	24.16		
40	16QAM	1	1	21.32	21.44	21.28	20.88	20.99	20.97	24.12	24.23	24.14	25.0	0.0
40	64QAM	1	1	20.65	20.80	20.69	19.83	19.88	19.87	23.27	23.37	23.31	24.5	0.5
40	256QAM	1	1	18.08	18.23	18.17	17.57	17.60	17.55	20.84	20.94	20.88	22.5	2.5

n66				Ant 0			Ant 1			Ant 0+1			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq		
Channel	Frequency (MHz)			346000	346000	346000	346000	346000	346000	346000	346000	346000		
40	P1/2 BPSK	1	1	21.36	21.55	21.43	21.20	21.30	21.33	24.29	24.44	24.39		
40	P1/2 BPSK	1	108	21.36	21.48	21.36	21.26	21.37	21.29	24.32	24.44	24.34	25.0	0.0
40	P1/2 BPSK	1	214	21.37	21.44	21.42	21.28	21.27	21.27	24.34	24.37	24.36		
40	P1/2 BPSK	108	0	21.43	21.48	21.45	21.31	21.29	21.33	24.38	24.39	24.41	25.0	0.0
40	P1/2 BPSK	108	54	21.34	21.45	21.49	21.29	21.39	21.23	24.33	24.43	24.37	25.0	0.0
40	P1/2 BPSK	108	108	21.40	21.46	21.41	21.30	21.27	21.34	24.36	24.38	24.39	25.0	0.0
40	P1/2 BPSK	216	0	21.44	21.56	21.36	21.24	21.31	21.24	24.35	24.45	24.31		
40	QPSK	1	1	21.40	21.55	21.39	21.32	21.40	21.35	24.40	24.31	24.44		
40	QPSK	1	108	21.42	21.53	21.35	21.19	21.36	21.32	24.32	24.45	24.35	25.0	0.0
40	QPSK	1	214	21.36	21.47	21.47	21.29	21.39	21.25	24.34	24.44	24.37		
40	QPSK	108	0	21.39	21.52	21.41	21.22	21.33	21.25	24.32	24.44	24.34	25.0	0.0
40	QPSK	108	54	21.44	21.57	21.43	21.25	21.36	21.27	24.36	24.48	24.36	25.0	0.0
40	QPSK	108	108	21.35	21.48	21.40	21.20	21.31	21.24	24.29	24.41	24.33	25.0	0.0
40	QPSK	216	0	21.42	21.52	21.36	21.20	21.33	21.26	24.32	24.44	24.32		
40	16QAM	1	1	21.43	21.50	21.38	21.30	21.32	21.31	24.38	24.42	24.36	25.0	0.0
40	64QAM	1	1	20.81	20.97	20.87	20.74	20.80	20.71	23.79	23.90	23.80	24.5	0.5
40	256QAM	1	1	18.16	18.31	18.20	18.14	18.18	18.09	21.16	21.26	21.16	22.5	2.5



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dBm)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			50502	51658	52800	50502	51658	52800	50502	51658	52800		
	Frequency (MHz)			254.51	252.24	248.24	254.51	252.24	248.24	254.51	252.24	248.24		
100	PC2BPSK	1	1	20.16	20.43	20.37	19.81	19.58	19.95	20.00	20.22	20.18	24.0	0.0
100	PC2BPSK	1	137	20.23	20.31	20.36	19.77	19.95	19.92	20.02	20.14	20.15	24.0	0.0
100	PC2BPSK	1	271	20.10	20.39	20.30	19.84	19.98	19.89	20.03	20.20	20.19	24.0	0.0
100	PC2BPSK	135	0	20.12	20.32	20.29	19.78	19.94	19.91	20.06	20.16	20.11	24.0	0.0
100	PC2BPSK	135	60	20.16	20.31	20.35	19.73	19.83	19.88	20.06	20.18	20.13	24.0	0.0
100	PC2BPSK	135	158	20.20	20.38	20.36	19.80	19.83	19.89	20.01	20.22	20.19	24.0	0.0
100	PC2BPSK	270	0	20.10	20.38	20.20	19.80	19.82	19.88	20.06	20.17	20.11	24.0	0.0
100	QPSK	1	1	20.20	20.45	20.40	19.80	20.09	19.90	20.04	20.27	20.21	24.0	0.0
100	QPSK	1	137	20.18	20.39	20.40	19.87	19.98	19.94	20.04	20.40	20.07	24.0	0.0
100	QPSK	1	271	20.20	20.38	20.39	19.86	19.94	19.90	20.06	20.18	20.17	24.0	0.0
100	QPSK	135	0	20.18	20.31	20.34	19.75	19.82	19.85	20.07	20.18	20.11	24.0	0.0
100	QPSK	135	60	20.22	20.44	20.42	20.05	19.97	19.98	20.28	20.14	20.14	24.0	0.0
100	QPSK	135	158	20.21	20.30	20.36	19.80	20.02	19.94	20.02	20.17	20.12	24.0	0.0
100	QPSK	270	0	20.10	20.39	20.35	19.85	20.03	19.88	20.06	20.20	20.12	24.0	0.0
100	SSBAM	1	1	20.22	20.38	20.38	19.85	19.99	19.98	20.04	20.17	20.13	24.0	0.0
100	SSBAM	1	1	20.18	20.39	20.28	19.88	20.05	19.87	20.03	20.23	20.08	24.0	0.0
100	SSBAM	1	1	20.20	20.31	20.29	19.74	20.00	19.88	20.06	20.17	20.14	24.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3			Turn-up limit (dBm)	MPE (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)		
	Channel			50502	51658	52800	50502	51658	52800	50502	51658	52800		
	Frequency (MHz)			254.51	252.24	248.24	254.51	252.24	248.24	254.51	252.24	248.24		
100	PC1BPSK	1	1	20.21	20.43	20.38	20.00	20.06	20.06	20.02	20.02	20.02	27.0	0.0
100	PC1BPSK	1	137	20.18	20.35	20.24	20.78	20.03	20.07	20.06	20.20	20.07	27.0	0.0
100	PC1BPSK	1	271	20.22	20.31	20.23	20.83	20.04	20.01	20.04	20.10	20.08	27.0	0.0
100	PC1BPSK	135	0	20.10	20.30	20.28	20.79	20.02	20.00	20.04	20.10	20.10	27.0	0.0
100	PC1BPSK	135	60	20.12	20.30	20.30	20.78	20.06	20.09	20.06	20.10	20.10	27.0	0.0
100	PC1BPSK	135	158	20.20	20.44	20.32	20.80	20.08	20.01	20.03	20.20	20.13	27.0	0.0
100	PC1BPSK	270	0	20.14	20.44	20.34	20.70	20.01	20.00	20.06	20.24	20.13	27.0	0.0
100	QPSK	1	1	20.20	20.45	20.39	20.09	20.10	20.10	20.00	20.00	20.10	27.0	0.0
100	QPSK	1	137	20.18	20.39	20.30	20.80	20.07	20.00	20.00	20.00	20.10	27.0	0.0
100	QPSK	1	271	20.18	20.34	20.32	20.74	20.02	20.00	20.00	20.10	20.12	27.0	0.0
100	QPSK	135	0	20.22	20.30	20.23	20.70	20.00	20.00	20.00	20.10	20.06	27.0	0.0
100	QPSK	135	60	20.24	20.42	20.35	20.06	20.00	20.00	20.00	20.00	20.10	27.0	0.0
100	QPSK	135	158	20.21	20.40	20.24	20.80	20.03	20.04	20.00	20.20	20.10	27.0	0.0
100	QPSK	270	0	20.10	20.34	20.32	20.73	20.00	20.01	20.00	20.10	20.13	27.0	0.0
100	SSBAM	1	1	20.18	20.39	20.20	20.78	20.01	20.00	20.00	20.00	20.00	23.8	0.0
100	SSBAM	1	1	20.12	20.31	20.32	20.80	20.08	20.00	20.00	20.00	20.17	27.0	0.0
100	SSBAM	1	1	20.05	21.34	21.32	20.80	20.08	20.00	20.00	20.00	20.00	25.5	1.5



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				244.51	242.99	244.00	244.51	242.99	244.00	244.51	242.99	244.00		
100	PI2-BPSK	1	1	19.58	19.95	19.95	19.95	19.95	19.95	22.76	22.96	22.96		
100	PI2-BPSK	1	137	19.85	19.95	19.96	19.81	20.02	19.90	22.74	23.02	23.04	24.0	
100	PI2-BPSK	1	271	19.90	19.94	19.83	19.77	20.01	19.94	22.70	22.99	22.95		
100	PI2-BPSK	135	5	19.98	19.84	19.95	19.70	19.94	19.91	22.72	22.93	22.94	24.0	
100	PI2-BPSK	135	66	19.55	19.85	19.93	19.83	20.06	19.85	22.70	22.67	22.90	24.0	
100	PI2-BPSK	135	138	19.59	19.87	19.95	19.78	19.94	19.85	22.70	22.67	22.95	24.0	
100	PI2-BPSK	235	5	19.81	19.84	19.92	19.70	19.95	19.95	22.71	22.93	22.95		
100	QPSK	1	1	19.70	20.00	19.94	19.90	20.06	20.00	22.61	22.95	22.90		
100	QPSK	1	137	19.87	19.91	19.92	19.77	19.94	19.81	22.69	22.97	22.99	24.0	
100	QPSK	1	271	19.83	19.86	19.85	19.70	19.98	19.85	22.72	22.96	22.95		
100	QPSK	135	5	19.80	19.80	19.89	19.82	20.05	19.83	22.72	22.99	22.80	24.0	
100	QPSK	135	66	19.55	19.85	19.93	19.83	20.06	19.85	22.69	22.67	22.90	24.0	
100	QPSK	135	138	19.62	19.87	19.95	19.77	20.00	19.88	22.71	22.95	22.92	24.0	
100	QPSK	235	5	19.78	19.85	19.83	19.77	19.98	19.86	22.69	22.98	22.91		
100	SSBAM	1	1	19.55	19.85	19.90	19.88	19.98	19.87	22.72	22.95	22.95	24.0	
100	SSBAM	1	1	19.69	19.87	19.87	19.78	19.95	19.87	22.74	22.96	22.93	24.0	
100	SSBAM	1	1	19.56	19.81	19.87	19.78	20.01	19.83	22.67	22.97	22.96	24.0	

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	FCC Power Middle Ch. (Freq)	FCC Power High Ch. (Freq)		
Channel				505002	518598	528000	505002	518598	528000	505002	518598	528000		
Frequency (MHz)				244.51	242.99	244.00	244.51	242.99	244.00	244.51	242.99	244.00		
100	PI2-BPSK	1	1	22.69	23.01	22.87	22.86	22.87	22.92	22.92	25.80	25.95		
100	PI2-BPSK	1	137	22.70	23.01	22.89	22.78	22.83	22.90	25.70	25.88	25.81	27.0	
100	PI2-BPSK	1	271	22.70	22.80	22.83	22.88	22.89	22.87	25.80	25.81	25.81		
100	PI2-BPSK	135	5	22.86	23.00	22.95	22.81	22.96	22.79	25.77	25.81	25.80	27.0	
100	PI2-BPSK	135	66	22.71	22.94	22.90	22.78	22.80	22.84	25.70	25.83	25.80	27.0	
100	PI2-BPSK	135	138	22.77	22.82	23.01	22.88	22.89	22.88	25.84	25.87	25.85	27.0	
100	PI2-BPSK	235	5	22.75	23.01	22.94	22.75	22.90	22.85	25.78	25.81	25.81		
100	QPSK	1	1	22.76	23.00	22.92	22.80	23.00	23.04	25.80	25.84	25.80		
100	QPSK	1	137	22.77	22.80	22.87	22.88	22.89	22.88	25.80	25.84	25.81	27.0	
100	QPSK	1	271	22.86	22.85	22.88	22.88	22.85	22.79	25.78	25.84	25.80		
100	QPSK	135	5	22.86	23.00	22.89	22.79	22.82	22.85	25.74	25.87	25.88	27.0	
100	QPSK	135	66	22.71	22.93	22.89	22.87	22.87	22.87	25.70	25.80	25.80	27.0	
100	QPSK	135	138	22.86	22.80	22.97	22.80	22.91	22.89	25.78	25.82	25.84	27.0	
100	QPSK	235	5	22.73	23.00	22.81	22.79	22.85	22.86	25.78	25.84	25.87		
100	SSBAM	1	1	22.86	22.88	22.84	22.78	22.89	22.89	25.75	25.87	25.83	27.0	
100	SSBAM	1	1	22.86	22.88	22.84	22.78	22.89	22.89	25.78	25.80	25.85	27.0	
100	SSBAM	1	1	22.87	21.79	21.13	20.81	21.01	20.87	23.70	24.11	24.01	25.5	



FCC_n41(PC2)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	2522.9	2610	24.51	2522.9	2610	24.51	2522.9	2610	24.51	2522.9
100	PI2-BPSK	1	1	20.79	20.98	21.04	20.77	20.94	20.71	20.79	20.97	20.85	20.0	
100	PI2-BPSK	1	137	20.80	21.07	20.91	20.80	21.00	20.71	20.81	24.05	23.82	20.0	
100	PI2-BPSK	1	271	20.78	21.01	20.94	20.76	21.00	20.82	20.78	24.04	23.89	20.0	
100	PI2-BPSK	135	5	20.81	21.04	20.97	20.79	20.97	20.73	20.81	24.02	23.86	20.0	
100	PI2-BPSK	135	66	20.74	21.00	21.01	20.75	21.00	20.72	20.76	24.01	23.88	20.0	
100	PI2-BPSK	135	138	20.94	21.05	20.77	21.08	20.79	20.82	24.08	23.93	20.0		
100	PI2-BPSK	210	5	20.75	21.00	20.95	20.90	20.73	20.80	24.04	23.85	20.0		
100	QPSK	1	1	20.09	21.12	21.06	20.09	21.08	20.01	21.10	24.12	23.97	20.0	
100	QPSK	1	137	20.86	21.08	21.01	20.82	21.08	20.78	20.89	24.07	23.94	20.0	
100	QPSK	1	271	20.83	21.06	21.05	20.76	20.92	20.82	20.81	23.98	23.95	20.0	
100	QPSK	135	5	20.78	21.00	21.01	20.81	21.00	20.80	20.79	24.04	23.82	20.0	
100	QPSK	135	66	20.85	21.02	20.94	20.75	21.00	20.72	20.84	24.05	23.83	20.0	
100	QPSK	135	138	20.88	21.05	20.91	20.79	21.05	20.72	20.84	24.05	23.83	20.0	
100	QPSK	210	5	20.98	21.04	21.00	20.87	20.88	20.71	20.88	24.02	23.87	20.0	
100	SSBAM	1	1	20.85	21.00	21.00	20.80	20.87	20.80	20.85	24.05	23.90	20.0	
100	SSBAM	1	1	20.85	21.10	21.00	20.83	21.05	20.80	20.82	24.00	23.91	20.0	
100	SSBAM	1	1	20.20	20.41	20.27	20.34	20.37	20.33	20.33	23.86	23.31	20.0	

FCC_n41(PC1.5)				Ant 0			Ant 3			Ant 0+3			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	2522.9	2610	24.51	2522.9	2610	24.51	2522.9	2610	24.51	
100	PI2-BPSK	1	1	20.78	24.00	23.81	23.81	24.01	23.92	24.00	27.02	26.83	20.0	
100	PI2-BPSK	1	137	20.78	24.07	23.87	23.86	24.01	23.87	26.88	27.05	26.88	20.0	
100	PI2-BPSK	1	271	20.87	24.07	23.81	23.83	24.09	23.77	26.88	27.09	26.85	20.0	
100	PI2-BPSK	135	5	20.82	23.81	23.88	23.80	23.81	23.77	26.87	26.79	26.79	20.0	
100	PI2-BPSK	135	66	20.80	24.07	23.89	23.85	24.11	23.76	26.89	27.10	26.84	20.0	
100	PI2-BPSK	135	138	20.29	23.85	23.31	23.67	23.11	23.07	26.74	26.34	26.20	20.0	
100	PI2-BPSK	210	5	20.76	23.71	23.51	23.17	23.30	23.16	26.32	26.30	26.30	20.0	
100	QPSK	1	1	20.06	24.30	23.56	23.01	23.10	23.00	27.14	27.14	27.00	20.0	
100	QPSK	1	137	20.76	23.87	23.66	23.88	24.08	23.80	26.84	27.01	26.81	20.0	
100	QPSK	1	271	20.80	24.00	23.91	23.84	24.00	23.80	26.83	27.07	26.87	20.0	
100	QPSK	135	5	20.86	23.39	23.21	23.69	23.23	23.23	26.69	26.32	26.23	20.0	
100	QPSK	135	66	20.81	24.00	23.85	23.85	24.11	23.76	26.88	27.06	26.86	20.0	
100	QPSK	135	138	20.86	23.30	23.00	23.03	23.11	23.04	26.03	26.22	26.08	20.0	
100	QPSK	210	5	20.82	23.21	23.08	23.21	23.20	23.23	26.13	26.25	26.17	20.0	
100	SSBAM	1	1	20.76	23.80	23.61	23.88	24.11	23.85	26.85	27.00	26.83	20.0	
100	SSBAM	1	1	20.82	23.31	23.10	22.80	23.22	22.87	25.97	26.28	26.00	27.5	
100	SSBAM	1	1	20.38	20.38	20.59	20.67	20.76	20.83	23.83	23.78	23.62	25.5	



FCC_n41(PC2)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.			
Channel				569502	518598	528000	569502	518598	528000	569502	518598	528000			
Frequency (MHz)				248.11	248.19	248.26	248.11	248.19	248.26	248.11	248.19	248.26	248.11	248.19	248.26
100	PI2-BPSK	1	1	21.12	22.08	21.82	21.86	22.46	21.97	24.80	25.25	24.91			
100	PI2-BPSK	1	137	21.71	21.90	21.81	21.71	22.28	21.88	24.72	25.09	24.88	20.0	0.0	
100	PI2-BPSK	1	271	21.94	21.80	21.83	21.71	22.12	21.76	24.88	25.04	24.81			
100	PI2-BPSK	135	5	21.08	21.82	21.80	21.50	22.16	21.70	24.63	25.00	24.78	20.0	0.0	
100	PI2-BPSK	135	66	21.69	21.97	21.91	21.69	22.28	21.98	24.76	25.13	24.96	20.0	0.0	
100	PI2-BPSK	135	138	21.48	21.72	21.85	21.86	22.01	21.71	24.93	24.88	24.72	20.0	0.0	
100	PI2-BPSK	235	5	21.62	21.78	21.81	21.60	22.12	21.81	24.65	24.95	24.85			
100	QPSK	1	1	21.07	22.10	22.02	21.07	22.46	22.01	21.65	25.20	25.20	20.0	0.0	
100	QPSK	1	137	21.78	22.08	21.86	21.86	22.41	21.86	24.89	24.94	24.99	20.0	0.0	
100	QPSK	1	271	21.76	22.05	21.83	21.76	22.26	21.82	24.74	25.14	24.84			
100	QPSK	135	5	21.75	21.91	21.83	21.69	22.23	21.83	24.73	25.08	24.84	20.0	0.0	
100	QPSK	135	66	21.66	22.05	21.84	21.66	22.21	21.84	24.78	25.18	24.95	20.0	0.0	
100	QPSK	135	138	21.63	21.78	21.76	21.61	22.13	21.81	24.63	24.97	24.85	20.0	0.0	
100	QPSK	235	5	21.75	21.88	21.87	21.73	22.17	21.83	24.75	25.04	24.91			
100	SSBAM	1	1	21.81	22.10	21.86	21.83	22.46	21.88	24.88	24.96	24.90	20.0	0.0	
100	SSBAM	1	1	21.72	22.04	21.88	21.82	22.38	21.95	24.78	25.22	24.93	20.0	0.0	
100	SSBAM	1	1	20.30	20.72	20.53	20.52	21.03	20.97	21.52	23.89	23.98	20.5	0.5	

FCC_n41(PC1.5)				Ant 0			Ant 1			Ant 0+1			Turn-up test (dBm)	MPS (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.	FCC Power Low Co./Freq.	Power Mids Co./Freq.	Power High Co./Freq.			
Channel				569502	518598	528000	569502	518598	528000	569502	518598	528000			
Frequency (MHz)				248.11	248.19	248.26	248.11	248.19	248.26	248.11	248.19	248.26	248.11	248.19	248.26
100	PI2-BPSK	1	1	24.82	25.50	24.89	24.89	24.86	25.37	24.91	27.85	28.25	27.91		
100	PI2-BPSK	1	137	24.38	24.65	24.42	24.38	24.60	24.15	27.25	27.64	27.30	29.0	0.0	
100	PI2-BPSK	1	271	24.30	24.50	24.40	24.34	24.83	24.08	27.18	27.57	27.25			
100	PI2-BPSK	135	5	24.40	24.75	24.53	24.34	24.82	24.33	27.41	27.80	27.44	29.0	0.0	
100	PI2-BPSK	135	66	24.19	24.45	24.25	24.00	24.52	24.07	27.11	27.50	27.17	29.0	0.0	
100	PI2-BPSK	135	138	24.30	24.50	24.40	24.01	24.92	24.03	27.17	27.57	27.23	29.0	0.0	
100	PI2-BPSK	235	5	24.34	24.61	24.41	24.25	24.77	24.28	27.31	27.70	27.36			
100	QPSK	1	1	24.10	25.20	25.07	25.00	25.20	25.09	28.00	28.12	28.00	29.0	0.0	
100	QPSK	1	137	24.38	24.48	24.45	24.48	25.01	24.53	27.48	27.86	27.60	29.0	0.0	
100	QPSK	1	271	24.50	24.50	24.41	24.50	24.47	27.35	27.74	27.39				
100	QPSK	135	5	24.03	24.29	24.05	24.02	24.44	24.00	27.64	27.38	27.64	28.5	0.5	
100	QPSK	135	66	24.00	24.00	24.00	24.00	25.07	24.00	27.60	27.60	27.60	29.0	0.0	
100	QPSK	135	138	24.05	24.21	24.07	24.04	24.03	24.05	27.68	27.38	27.67	29.0	0.0	
100	QPSK	235	5	24.23	24.23	24.29	24.23	24.75	24.27	27.25	27.65	27.29	29.0	0.0	
100	SSBAM	1	1	20.91	20.29	20.91	20.98	20.58	20.98	20.91	20.30	20.98	20.0	0.0	
100	SSBAM	1	1	22.96	23.21	22.90	23.07	23.55	23.09	26.05	26.39	26.05	27.5	1.5	
100	SSBAM	1	1	20.30	20.37	20.54	20.58	21.08	20.84	23.55	23.84	23.60	20.5	0.5	



Part96_n48				Ant 4			Ant 8			Ant 4+8					
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332			
Frequency (MHz)				3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96			
40	QPSK	1	1	15.42	15.45	15.30	15.03	15.05	15.05	15.26	15.26	15.21	19.5	0.0	
40	QPSK	1	63	15.36	15.36	15.31	14.91	15.02	14.87	15.15	15.20	15.11	19.5	0.0	
40	QPSK	1	104	15.30	15.33	15.37	14.89	14.95	14.92	15.11	15.15	15.16	19.5	0.0	
40	QPSK	53	0	15.30	15.40	15.26	14.95	14.98	14.96	15.14	15.21	15.12	19.5	0.0	
40	QPSK	63	27	15.36	15.42	15.36	14.96	15.01	14.98	15.20	15.23	15.20	19.5	0.0	
40	QPSK	63	63	15.35	15.37	15.25	14.92	14.94	14.94	15.15	15.17	15.11	19.5	0.0	
40	QPSK	106	0	15.30	15.38	15.35	14.96	15.00	14.90	15.14	15.20	15.14	19.5	0.0	
40	16QAM	1	1	15.37	15.42	15.33	14.96	14.98	14.95	15.18	15.22	15.15	19.5	0.0	
40	64QAM	1	1	15.34	15.36	15.26	14.94	14.98	14.93	15.15	15.18	15.11	19.5	0.0	
40	256QAM	1	1	15.19	15.20	15.17	14.96	14.94	14.97	17.90	17.94	17.89	19.5	0.0	

Part96_n48				Ant 4			Ant 6			Ant 4+6					
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MFR (dB)	
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332	638000	641666	645332
Frequency (MHz)				3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96	3072	3072.98	3073.96
40	QPSK	1	1	13.35	13.45	13.35	12.70	12.61	12.73	12.61	12.73	12.61	16.00	15.94	17.5
40	QPSK	1	63	13.36	13.31	13.28	12.65	12.71	12.61	12.61	12.63	12.63	15.96	15.93	17.5
40	QPSK	1	104	13.23	13.35	13.21	12.73	12.73	12.61	12.61	12.63	12.63	15.98	15.98	17.5
40	QPSK	53	0	13.25	13.41	13.25	12.66	12.73	12.63	12.63	12.63	12.63	15.98	15.98	17.5
40	QPSK	63	27	13.36	13.43	13.31	12.73	12.73	12.61	12.61	12.63	12.63	15.94	15.94	17.5
40	QPSK	63	63	13.31	13.36	13.22	12.69	12.70	12.62	12.62	12.62	12.62	15.94	15.94	17.5
40	QPSK	106	0	13.25	13.30	13.28	12.72	12.75	12.61	12.61	12.61	12.61	15.96	15.96	17.5
40	16QAM	1	1	13.28	13.39	13.22	12.69	12.76	12.67	12.67	12.67	12.67	15.94	15.94	17.5
40	64QAM	1	1	13.36	13.35	13.29	12.78	12.70	12.69	12.69	12.69	12.69	15.94	15.94	17.5
40	256QAM	1	1	13.20	13.36	13.26	12.72	12.68	12.72	12.62	12.62	12.62	15.94	15.94	17.5



Part96_n48				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3034.98	3099.98	3072	3034.98	3099.98	3072	3034.98	3099.98		
40	QPSK	1	1	15.96	15.94	15.91	16.04	16.07	15.95	19.01	19.07	18.96	20.5	0.0
40	QPSK	1	53	15.94	15.92	15.77	16.01	15.99	15.96	18.99	18.97	18.88	20.5	0.0
40	QPSK	1	104	15.83	15.94	15.87	15.94	16.01	15.96	18.90	18.99	18.93	20.5	0.0
40	QPSK	53	0	15.82	15.94	15.84	16.00	15.92	15.85	18.92	18.94	18.86	20.5	0.0
40	QPSK	53	27	15.94	15.96	15.98	15.92	15.93	15.96	19.02	19.01	18.91	20.5	0.0
40	QPSK	53	53	15.88	15.94	15.76	15.91	16.00	15.85	18.91	18.98	18.82	20.5	0.0
40	QPSK	106	0	15.95	15.97	15.84	15.98	16.00	15.91	18.98	19.00	18.89	20.5	0.0
40	16QAM	1	1	15.91	16.01	15.89	15.92	16.00	15.85	18.93	19.02	18.88	20.5	0.0
40	64QAM	1	1	15.85	15.93	15.86	16.01	15.97	15.94	18.94	18.96	18.91	20.5	0.0
40	256QAM	1	1	14.72	14.69	14.67	14.56	14.64	14.57	17.65	17.68	17.63	19.5	1.0

Part96_n48				Ant 3			Ant 6			Ant 3+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3072	3034.98	3099.98	3072	3034.98	3099.98	3072	3034.98	3099.98		
40	QPSK	1	1	13.25	13.30	13.22	12.50	12.58	12.52	15.58	15.74	15.67	17.5	0.0
40	QPSK	1	53	13.12	13.29	13.12	11.88	11.98	11.97	15.55	15.69	15.59	17.5	0.0
40	QPSK	1	104	13.21	13.29	13.18	11.88	11.95	11.95	15.61	15.68	15.62	17.5	0.0
40	QPSK	53	0	13.15	13.29	13.23	11.95	11.88	11.88	15.60	15.63	15.62	17.5	0.0
40	QPSK	53	27	13.18	13.28	13.25	11.95	12.05	12.03	15.64	15.71	15.68	17.5	0.0
40	QPSK	53	53	13.12	13.18	13.14	11.93	12.01	11.90	15.58	15.64	15.57	17.5	0.0
40	QPSK	106	0	13.13	13.20	13.13	11.98	12.03	11.96	15.60	15.65	15.59	17.5	0.0
40	16QAM	1	1	13.11	13.22	13.19	11.95	12.04	11.87	15.58	15.68	15.59	17.5	0.0
40	64QAM	1	1	13.19	13.25	13.19	11.88	12.01	11.87	15.59	15.68	15.59	17.5	0.0
40	256QAM	1	1	13.13	13.20	13.23	11.97	11.97	12.00	15.60	15.69	15.67	17.5	0.0



Part27O_n77(PC2)				Ant 4			Ant 8			Ant 4+8			Time-up time (min)	MPTI (dB)	
Cell ID	Modulation	RB Size	RB Offset	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class			
				Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.			
Frequency MHz															
100	PC27O	1	1	18.06	18.07	18.08	18.10	18.14	18.16	18.18	21.00	21.02	21.04	21.0	0.0
100	PC27O	1	107	18.04	18.05	18.14	18.11	18.14	17.58	21.01	21.12	21.08	21.0	0.0	
100	PC27O	1	211	18.17	18.15	18.10	18.10	18.08	18.04	21.01	21.10	21.08	21.0	0.0	
100	PC27O	100	0	18.05	18.15	18.15	18.15	18.15	17.57	21.01	21.12	21.07	21.0	0.0	
100	PC27O	100	100	18.12	18.12	18.11	18.08	18.12	18.08	21.07	21.12	21.05	21.0	0.0	
100	PC27O	100	100	18.16	18.14	18.11	18.10	18.07	17.48	21.11	21.14	21.06	21.0	0.0	
100	PC27O	200	0	18.04	18.12	18.07	18.09	18.17	18.07	21.01	21.18	21.09	21.0	0.0	
100	PC27O	1	1	18.04	18.12	18.04	18.11	18.11	18.11	21.01	21.11	21.01	21.0	0.0	
100	PC27O	1	107	18.12	18.15	18.02	18.10	18.08	18.02	21.14	21.14	21.04	21.0	0.0	
100	PC27O	1	211	18.04	18.18	18.12	18.18	18.18	18.18	21.01	21.12	21.08	21.0	0.0	
100	PC27O	100	0	18.15	18.15	18.17	18.15	18.15	18.15	21.01	21.12	21.12	21.0	0.0	
100	PC27O	100	100	18.14	18.12	18.12	18.11	18.17	18.15	21.01	21.10	21.11	21.0	0.0	
100	PC27O	200	100	18.08	18.15	18.08	18.11	18.08	17.58	21.11	21.04	21.04	21.0	0.0	
100	PC27O	200	0	18.08	18.15	18.08	18.07	18.14	17.58	21.01	21.10	21.07	21.0	0.0	
100	PC27O	1	1	18.17	18.15	18.08	18.14	18.12	18.07	21.11	21.14	21.05	21.0	0.0	
100	PC27O	1	1	18.02	18.15	18.05	18.10	18.11	18.08	21.01	21.14	21.07	21.0	0.0	
100	PC27O	1	0	18.17	18.15	18.12	18.15	18.14	17.58	21.11	21.12	21.05	21.0	0.0	



Part270_n77(PC1.5)				Ant 4			Ant 8			Ant 4+8			Time to set (min)	WPH (mm)	
Ant Size	Material	HS Size	HS Count	Power Line Ch. Freq.	Power Phase Ch. Freq.	Power Reg. Ch. Freq.	Power Line Ch. Freq.	Power Phase Ch. Freq.	Power Reg. Ch. Freq.	Power Line Ch. Freq.	Power Phase Ch. Freq.	Power Reg. Ch. Freq.			
Summary				8	80000	80000	80000	8	80000	80000	8	80000	80000		
Frequency Band				3750	3850	3950	3750	3850	3950	3750	3850	3950	3750		
100	PCBFRFC	1	1	21.12	21.26	21.37	21.02	21.16	21.27	21.06	21.20	21.30	21.00		
100	PCBFRFC	1	1	21.08	21.22	21.33	20.97	21.08	21.07	21.05	21.15	21.11	21.0	0.0	
100	PCBFRFC	1	1	21.13	21.27	21.33	21.03	21.08	20.88	21.05	21.16	21.07			
100	PCBFRFC	150	50	21.05	21.11	21.12	21.02	21.10	20.98	21.02	21.11	21.08	21.0	0.0	
100	PCBFRFC	150	50	20.99	21.17	21.15	20.95	21.07	21.02	21.08	21.15	21.09	20.0	0.0	
100	PCBFRFC	150	50	21.11	21.25	21.21	20.94	21.01	21.02	21.05	21.14	21.12			
100	PCBFRFC	200	0	21.10	21.28	21.11	20.93	21.02	21.05	21.05	21.15	21.09	20.0	0.0	
100	GFSL	1	1	21.15	21.25	21.14	21.01	21.11	21.05	21.10	21.13	21.10			
100	GFSL	1	1	21.12	21.21	21.11	21.04	21.15	21.03	21.05	21.14	21.08	21.0	0.0	
100	GFSL	1	1	21.08	21.18	21.14	21.06	21.12	21.06	21.10	21.11	21.09	21.0	0.0	
100	GFSL	150	50	21.11	21.16	21.14	21.05	21.07	21.05	21.12	21.12	21.05	21.0	0.0	
100	GFSL	150	50	21.11	21.18	21.15	21.05	21.12	21.05	21.10	21.11	21.11	20.0	0.0	
100	GFSL	200	0	21.09	21.18	21.11	20.99	21.05	20.87	21.05	21.11	21.04	20.0	0.0	
100	HGSM	1	1	21.09	21.15	21.11	20.94	21.10	21.02	21.05	21.11	21.11	20.0	0.0	
100	HGSM	1	1	21.11	21.18	21.15	20.99	21.11	20.84	21.08	21.12	21.08	20.0	0.0	
100	HGSM	1	1	21.13	21.20	21.13	21.01	21.11	20.97	21.10	21.16	21.11	20.0	0.0	



Part270_n77(PC2)				Ant 4			Ant 6			Ant 4+6			Time-up (min)	MPTT (dB)
Cell ID	Modem	IS Num	IS Chan	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class			
				Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.	Ch. Freq.			
Frequency (MHz)				2100	2100	2100	2100	2100	2100	2100	2100			
100	PCB05G	1	1	18.08	18.08	18.08	18.08	18.08	18.08	18.08	18.08	20.0	0.0	
100	PCB05G	1	107	18.11	18.12	18.12	18.20	18.27	18.18	18.17	18.14	18.12	20.0	0.0
100	PCB05G	1	211	18.08	18.08	18.08	18.07	18.08	18.07	18.14	18.03	18.14	20.0	0.0
100	PCB05G	105	8	18.11	18.08	18.08	18.28	18.27	18.27	18.18	18.08	18.12	20.0	0.0
100	PCB05G	105	105	18.02	18.08	18.08	18.28	18.18	18.22	18.18	18.15	18.12	20.0	0.0
100	PCB05G	105	108	18.02	18.08	18.08	18.18	18.28	18.18	18.11	18.14	18.11	20.0	0.0
100	PCB05G	200	0	18.07	18.02	18.07	18.11	18.07	18.18	18.10	18.08	18.14	20.0	0.0
100	CP5A	1	1	18.12	18.08	18.08	18.18	18.28	18.28	18.21	18.18	18.12	20.0	0.0
100	CP5A	1	107	18.02	18.02	18.07	18.12	18.22	18.24	18.12	18.12	18.12	20.0	0.0
100	CP5A	1	211	18.08	18.08	18.08	18.12	18.07	18.18	18.08	18.08	18.08	20.0	0.0
100	CP5A	105	8	18.02	18.02	18.07	18.18	18.18	18.18	18.08	18.08	18.08	20.0	0.0
100	CP5A	105	105	18.12	18.02	18.02	18.28	18.28	18.18	18.12	18.12	18.12	20.0	0.0
100	CP5A	105	108	18.02	18.08	18.08	18.18	18.28	18.18	18.11	18.18	18.18	20.0	0.0
100	CP5A	200	0	18.02	18.02	18.08	18.18	18.18	18.18	18.07	18.07	18.14	20.0	0.0
100	CP5A	1	1	18.12	18.08	18.08	18.11	18.08	18.27	18.18	18.08	18.11	20.0	0.0
100	CP5A	1	1	18.04	18.02	18.02	18.12	18.28	18.24	18.08	18.08	18.18	20.0	0.0
100	CP5A	1	0	18.08	18.02	18.02	18.18	18.11	18.18	18.11	18.07	18.08	20.0	0.0



Part270_n77(PC1.5)				Ant 4			Ant 6			Ant 4+6			TxWdth (MHz)	SMT
Ant ID	Modem	IS-Dup	IS-Dwn	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.	Power Line Ch. Freq.		
Summary				2700	3600	3600	2700	3600	3600	2700	3600	3600		
100	PCB9PDC	1	F	18.14	18.14	18.14	18.17	18.16	18.26	18.26	18.26	18.26	20.0	0.0
100	PCB9PDC	1	F	18.13	18.14	18.23	18.07	18.18	18.13	18.11	18.17	18.18	20.0	0.0
100	PCB9PDC	1	F	18.14	18.14	18.04	18.16	18.26	18.21	18.11	18.21	18.16	20.0	0.0
100	PCB9PDC	1	F	18.06	18.15	18.03	18.09	18.16	18.16	18.11	18.17	18.14	20.0	0.0
100	PCB9PDC	1	F	18.13	18.13	18.13	18.13	18.13	18.22	18.16	18.16	18.21	20.0	0.0
100	PCB9PDC	1	F	18.18	18.13	18.11	18.14	18.27	18.18	18.18	18.21	18.14	20.0	0.0
100	PCB9PDC	1	F	18.15	18.23	18.01	18.13	18.22	18.11	18.11	18.21	18.11	20.0	0.0
100	GPS	1	F	18.24	18.24	18.24	18.24	18.24	18.24	18.24	18.24	18.24	20.0	0.0
100	GPS	1	F	18.27	18.26	18.17	18.05	18.23	18.24	18.23	18.24	18.22	20.0	0.0
100	GPS	1	F	18.28	18.16	18.04	18.14	18.24	18.24	18.24	18.24	18.24	20.0	0.0
100	GPS	1	F	18.15	18.25	18.14	18.15	18.18	18.13	18.14	18.21	18.18	20.0	0.0
100	GPS	1	F	18.16	18.21	18.11	18.21	18.26	18.13	18.21	18.21	18.14	20.0	0.0
100	GPS	1	F	18.17	18.16	18.02	18.04	18.24	18.11	18.14	18.24	18.16	20.0	0.0
100	GPS	1	F	18.17	18.15	18.12	18.19	18.23	18.11	18.18	18.21	18.13	20.0	0.0
100	GPS	1	F	18.09	18.16	18.11	18.14	18.24	18.23	18.11	18.21	18.14	20.0	0.0
100	GPS	1	F	18.11	18.28	18.17	18.20	18.22	18.20	18.13	18.21	18.20	20.0	0.0
100	GPS	1	F	18.04	18.14	18.11	18.08	18.15	18.15	18.24	18.21	18.11	20.0	0.0



Part270_n77(PC2)				Ant 3			Ant 8			Ant 3+8			Time-up (hrs)	MPTD (dB)
Cell ID	Modem	IS Num	IS Chan	Power Cap Ch. Freq.	Power Range Ch. Freq.	Power Upd Ch. Freq.	Power Cap Ch. Freq.	Power Range Ch. Freq.	Power Upd Ch. Freq.	Power Cap Ch. Freq.	Power Range Ch. Freq.	Power Upd Ch. Freq.		
Frequency MHz														
100	PCB050C	1	1	20.12	20.12	20.20	20.14	20.08	20.26	20.16	20.20	20.26	20.26	
100	PCB050C	1	107	20.07	20.22	20.21	20.08	20.05	19.97	20.02	20.14	20.10	24.0	
100	PCB050C	1	271	20.02	20.10	20.21	20.00	20.12	20.07	20.04	20.16	20.12	24.0	
100	PCB050C	105	8	20.01	20.05	20.11	20.07	20.02	20.05	20.02	20.17	20.10	24.0	
100	PCB050C	105	105	20.11	20.10	20.10	20.10	20.11	20.08	20.17	20.07	20.07	24.0	
100	PCB050C	105	108	20.14	20.12	20.14	20.10	20.07	20.10	20.10	20.14	20.14	24.0	
100	PCB050C	200	0	20.11	20.20	20.13	20.08	20.17	19.98	20.00	20.23	20.07	24.0	
100	CP54	1	1	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	20.04	24.0	
100	CP54	1	107	20.04	20.12	20.08	20.08	20.08	20.01	20.14	20.12	24.0		
100	CP54	1	271	20.08	20.08	20.07	20.08	20.08	19.98	20.0	20.07	20.08	24.0	
100	CP54	105	8	20.05	20.12	20.10	20.05	20.11	20.02	20.15	20.12	24.0		
100	CP54	105	105	20.14	20.02	20.01	20.04	20.10	20.11	20.20	20.17	24.0		
100	CP54	105	108	20.08	20.08	20.11	20.11	20.10	20.02	20.16	20.16	24.0		
100	CP54	200	0	20.10	20.20	20.17	20.08	20.15	20.08	20.08	20.10	20.14	24.0	
100	CP54	1	1	20.07	20.12	20.08	20.08	20.08	19.95	20.01	20.11	20.02	24.0	
100	PCB050C	1	1	20.02	20.12	20.10	20.08	20.08	19.97	20.10	20.08	20.07	24.0	
100	PCB050C	1	107	20.05	20.12	20.21	20.08	20.17	20.08	20.16	20.10	20.05	24.0	



Part270_n77(PC1.5)				Ant 3			Ant 8			Ant 3+8			Time-to-Mtx (min)	SMT#	
Ant 270#	Material	IS Size	IS Class	Power Line Ch./Freq.	Power Plane Ch./Freq.	Power Top Ch./Freq.	Power Line Ch./Freq.	Power Plane Ch./Freq.	Power Top Ch./Freq.	Power Line Ch./Freq.	Power Plane Ch./Freq.	Power Top Ch./Freq.			
Summary				3700	3800	3900	3900	3800	3700	3800	3900	3900	3800		
100	PCBFRNC	1	1	21.14	21.14	21.14	21.14	21.14	21.14	21.14	21.14	21.14	21.14	21.0	0.0
100	PCBFRNC	1	1	21.08	21.12	21.20	21.08	21.08	21.13	21.02	21.12	21.18	21.08	21.0	0.0
100	PCBFRNC	1	1	21.02	21.17	21.17	21.02	21.14	21.14	21.02	21.17	21.17	21.02	21.0	0.0
100	PCBFRNC	1	1	21.06	21.10	21.11	21.04	21.06	21.06	21.02	21.12	21.12	21.06	21.0	0.0
100	PCBFRNC	1	1	21.12	21.14	21.17	21.10	21.10	21.12	21.12	21.10	21.11	21.10	21.0	0.0
100	PCBFRNC	1	1	21.06	21.21	21.21	21.04	21.17	21.04	21.11	21.20	21.12	21.06	21.0	0.0
100	PCBFRNC	1	1	21.17	21.10	21.20	21.09	21.13	21.07	21.14	21.17	21.15	21.10	21.0	0.0
100	QPSK	1	1	21.02	21.14	21.14	21.02	21.14	21.14	21.02	21.14	21.14	21.02	21.0	0.0
100	QPSK	1	1	21.08	21.20	21.21	21.10	21.07	21.02	21.10	21.12	21.14	21.08	21.0	0.0
100	QPSK	1	1	21.07	21.16	21.1	21.08	21.10	21.07	21.08	21.10	21.07	21.08	21.0	0.0
100	QPSK	1	1	21.05	21.15	21.11	21.10	21.14	21.07	21.10	21.10	21.05	21.0	0.0	
100	QPSK	1	1	21.10	21.12	21.11	21.10	21.12	21.11	21.05	21.14	21.05	21.0	0.0	
100	QPSK	1	1	21.11	21.10	21.11	21.09	21.12	21.09	21.11	21.05	21.14	21.0	0.0	
100	QPSK	1	1	21.15	21.10	21.12	21.09	21.12	21.09	21.11	21.05	21.07	21.0	0.0	
100	QPSK	1	1	21.11	21.10	21.11	21.07	21.09	21.11	21.05	21.14	21.05	21.0	0.0	
100	QPSK	1	1	21.08	21.13	21.11	21.07	21.07	21.09	21.09	21.09	21.09	21.0	0.0	
100	QPSK	1	1	21.04	21.14	21.14	21.07	21.11	21.07	21.09	21.09	21.09	21.0	0.0	



Part27Q_n77(PC2)				Ant 3		Ant 6		Ant 3+6				Time-up time (min)	MPP (%)	
Site ID	Modulation	IS Size	IS Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)			
Frequency (MHz)														
100	PSK	1	1	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	PSK	1	197	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	PSK	1	371	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	PSK	100	0	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	PSK	100	18	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	PSK	100	36	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	QPSK	1	1	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	QPSK	1	197	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QPSK	1	371	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QPSK	100	0	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	QPSK	100	18	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QPSK	100	36	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	QAM	1	1	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	
100	QAM	1	197	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QAM	1	371	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QAM	100	0	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	19.5	0.0	

Part27Q_n77(PC1.5)				Ant 3		Ant 6		Ant 3+6				Time-up time (min)	MPP (%)	
Site ID	Modulation	IS Size	IS Offset	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)	Power Level (dBm)			
Frequency (MHz)														
100	PSK	1	1	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	PSK	1	197	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	PSK	1	371	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	PSK	100	0	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	PSK	100	18	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	PSK	100	36	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	QPSK	1	1	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	QPSK	1	197	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QPSK	1	371	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QPSK	100	0	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	QPSK	100	18	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QPSK	100	36	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	QAM	1	1	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	
100	QAM	1	197	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QAM	1	371	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21			
100	QAM	100	0	15.21	15.21	15.21	15.21	15.21	15.21	15.21	15.21	21.5	0.0	



Part270_n77(PC2)		Ant 3			Ant 6			Ant 3+6			Time-up limit (min)	MFR (Hz)
Ant 3/6/9	Modulation	FS Data	FS Offset	Power Line Ch. Freq.	Power Mod. Ch. Freq.	Power Freq. Ch. Freq.	Power Line Ch. Freq.	Power Mod. Ch. Freq.	Power Freq. Ch. Freq.	Power Line Ch. Freq.		
Channel												
	Frequency/Mod.	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
100	F3000FSK	1	1	15.48	15.47	15.71	15.48	15.74	15.48	15.48	15.74	15.48
100	F3000FSK	1	1	15.47	15.47	15.68	15.48	15.63	15.63	15.63	15.67	15.67
100	F3000FSK	1	271	15.47	15.46	15.66	15.48	15.66	15.66	15.66	15.66	15.66
100	F3000FSK	100	0	15.45	15.74	15.69	15.47	15.61	15.61	15.70	15.63	15.63
100	F3000FSK	100	30	15.44	15.73	15.65	15.44	15.69	15.69	15.72	15.65	15.5
100	F3000FSK	100	100	15.44	15.60	15.62	15.48	15.70	15.64	15.61	15.70	15.67
100	F3000FSK	200	0	15.42	15.74	15.73	15.48	15.60	15.62	15.72	15.68	15.6
100	CPFSK	1	1	15.48	15.47	15.71	15.48	15.74	15.48	15.74	15.48	15.74
100	CPFSK	1	107	15.47	15.47	15.62	15.48	15.62	15.62	15.67	15.67	15.67
100	CPFSK	1	271	15.48	15.48	15.68	15.48	15.68	15.68	15.71	15.67	15.67
100	CPFSK	100	0	15.42	15.74	15.70	15.43	15.67	15.67	15.71	15.67	15.5
100	CPFSK	100	30	15.42	15.70	15.72	15.44	15.70	15.70	15.74	15.69	15.5
100	CPFSK	100	100	15.42	15.60	15.66	15.47	15.68	15.62	15.67	15.69	15.4
100	CPFSK	200	0	15.40	15.70	15.71	15.47	15.60	15.62	15.70	15.64	15.4
100	MSK4M	1	1	15.42	15.70	15.68	15.47	15.68	15.68	15.69	15.67	15.5
100	MSK4M	1	1	15.42	15.68	15.67	15.48	15.68	15.68	15.67	15.65	15.4

Part270_n77(PC1.5)		Ant 3			Ant 6			Ant 3+6			Time-up limit (min)	MFR (Hz)
Ant 3/6/9	Modulation	FS Data	FS Offset	Power Line Ch. Freq.	Power Mod. Ch. Freq.	Power Freq. Ch. Freq.	Power Line Ch. Freq.	Power Mod. Ch. Freq.	Power Freq. Ch. Freq.	Power Line Ch. Freq.		
Channel												
	Frequency/Mod.	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
100	F3000FSK	1	1	15.74	15.74	15.68	15.74	15.72	15.69	15.68	15.68	15.68
100	F3000FSK	1	107	15.68	15.70	15.70	15.69	15.72	15.67	15.67	15.67	15.68
100	F3000FSK	1	271	15.68	15.65	15.70	15.68	15.67	15.68	15.67	15.67	15.70
100	F3000FSK	100	0	15.68	15.68	15.69	15.70	15.70	15.68	15.68	15.68	15.68
100	F3000FSK	100	30	15.58	15.77	15.69	15.59	15.69	15.63	15.58	15.70	15.67
100	F3000FSK	100	100	15.64	15.68	15.68	15.64	15.68	15.68	15.68	15.68	15.68
100	F3000FSK	200	0	15.52	15.62	15.62	15.60	15.74	15.64	15.64	15.70	15.67
100	CPFSK	1	1	15.68	15.68	15.70	15.68	15.70	15.68	15.70	15.68	15.70
100	CPFSK	1	107	15.68	15.68	15.70	15.68	15.69	15.68	15.68	15.68	15.68
100	CPFSK	1	271	15.68	15.68	15.70	15.68	15.70	15.68	15.68	15.68	15.68
100	CPFSK	100	0	15.62	15.70	15.70	15.67	15.64	15.65	15.65	15.65	15.6
100	CPFSK	100	30	15.62	15.70	15.70	15.62	15.70	15.70	15.70	15.70	15.6
100	CPFSK	100	100	15.62	15.68	15.68	15.62	15.68	15.68	15.68	15.68	15.6
100	CPFSK	200	0	15.62	15.77	15.70	15.66	15.69	15.64	15.68	15.70	15.68
100	MSK4M	1	1	15.67	15.65	15.71	15.64	15.70	15.63	15.65	15.68	15.6
100	MSK4M	1	1	15.70	15.62	15.70	15.69	15.70	15.61	15.64	15.68	15.6
100	MSK4M	1	1	15.68	15.68	15.68	15.68	15.68	15.68	15.68	15.70	15.6



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	17.26		17.13		20.24					22.0	0.0
100	QPSK	1	137	17.24		17.18		20.22						
100	QPSK	1	271	17.15		17.13		20.15						
100	QPSK	137	0	17.11		17.04		20.09					22.0	0.0
100	QPSK	137	68	17.24		17.16		20.21					22.0	0.0
100	QPSK	137	136	17.21		17.11		20.17					22.0	0.0
100	QPSK	273	0	17.18		17.10		20.15						
100	16QAM	1	1	17.16		17.16		20.17					22.0	0.0
100	64QAM	1	1	17.24		17.18		20.22					22.0	0.0
100	256QAM	1	1	17.07		16.81		19.85					21.5	0.5

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3750			3750			3750				
100	QPSK	1	1	17.18		17.19		20.20					22.0	0.0
100	QPSK	1	137	17.05		17.09		20.08						
100	QPSK	1	271	17.04		17.10		20.08						
100	QPSK	137	0	17.04		17.04		20.05					22.0	0.0
100	QPSK	137	68	17.16		17.17		20.18					22.0	0.0
100	QPSK	137	136	17.15		17.13		20.15					22.0	0.0
100	QPSK	273	0	17.15		17.08		20.13						
100	16QAM	1	1	17.07		17.12		20.11					22.0	0.0
100	64QAM	1	1	17.09		17.12		20.12					22.0	0.0
100	256QAM	1	1	16.85		17.00		19.94					21.5	0.5



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				1499.98			1499.98			1499.98				
100	QPSK	1	1	15.33			15.15			18.23				
100	QPSK	1	137	15.24			14.98			18.11			20.0	0.0
100	QPSK	1	271	15.21			15.02			18.13				
100	QPSK	137	0	15.23			14.97			18.11			20.0	0.0
100	QPSK	137	68	15.32			15.08			18.20				
100	QPSK	137	136	15.30			15.02			18.17			20.0	0.0
100	QPSK	273	0	15.21			15.01			18.12				
100	16QAM	1	1	15.19			15.00			18.11			20.0	0.0
100	64QAM	1	1	15.32			15.05			18.20			20.0	0.0
100	256QAM	1	1	15.28			15.02			18.18			20.0	0.0



Part270_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				650000			650000			650000				
Frequency (MHz)				2155			2155			2155				
100	QPSK	1	1	15.11	15.15	15.15	15.15	15.15	15.14				20.0	0.0
100	QPSK	1	137	14.98	15.07	15.04	15.04	15.04	15.04					
100	QPSK	1	271	14.98	15.05	15.05	15.05	15.05	15.03					
100	QPSK	137	0	14.99	15.08	15.08	15.08	15.08	15.05				20.0	0.0
100	QPSK	137	68	15.06	15.12	15.12	15.11	15.11	15.11				20.0	0.0
100	QPSK	137	136	15.05	15.00	15.00	15.04	15.04	15.04				20.0	0.0
100	QPSK	273	0	15.01	15.04	15.04	15.04	15.04	15.04				20.0	0.0
100	16QAM	1	1	15.07	15.07	15.07	15.07	15.07	15.08				20.0	0.0
100	64QAM	1	1	14.98	15.09	15.09	15.09	15.09	15.05				20.0	0.0
100	256QAM	1	1	15.09	15.05	15.05	15.05	15.05	15.08				20.0	0.0

Part27Q_n78				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				2499.68			2499.68			2499.68				
100	QPSK	1	1	19.20	19.17	19.17	19.17	19.17	19.17	22.25				
100	QPSK	1	137	19.08	19.08	19.10	19.10	19.10	19.10	22.10			24.0	0.0
100	QPSK	1	271	19.09	19.07	19.13	19.13	19.13	19.13	22.12				
100	QPSK	137	0	19.07	19.07	19.06	19.06	19.06	19.06	22.08			24.0	0.0
100	QPSK	137	68	19.16	19.16	19.16	19.16	19.16	19.16	22.19			24.0	0.0
100	QPSK	137	136	19.07	19.05	19.05	19.05	19.05	19.05	22.07				
100	QPSK	273	0	19.10	19.10	19.05	19.05	19.05	19.05	22.09			24.0	0.0
100	16QAM	1	1	19.19	19.19	19.16	19.16	19.16	19.16	22.19			24.0	0.0
100	64QAM	1	1	19.07	19.07	19.11	19.11	19.11	19.11	22.10			24.0	0.0
100	256QAM	1	1	17.09	17.09	16.81	16.81	16.81	16.81	19.26			21.0	2.0



Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			3750			650000				
Frequency (MHz)				39.50			39.50			39.50				
100	QPSK	1	1	19.15			19.15			22.18				
100	QPSK	1	137	19.04			19.09			22.08			24.0	0.0
100	QPSK	1	271	19.15			19.14			22.16				
100	QPSK	137	0	19.07			19.01			22.05			24.0	0.0
100	QPSK	137	68	19.17			19.11			22.17			24.0	0.0
100	QPSK	137	135	19.04			19.05			22.06			24.0	0.0
100	QPSK	273	0	19.15			19.01			22.09				
100	16QAM	1	1	19.06			19.10			22.09			24.0	0.0
100	64QAM	1	1	19.17			19.04			22.12			24.0	0.0
100	256QAM	1	1	17.90			17.90			20.06			21.5	-2.5



Part27Q_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	14.03			14.64			17.65			19.5	0.0
100	QPSK	1	137	14.54			14.53			17.55				
100	QPSK	1	271	14.56			14.52			17.55				
100	QPSK	137	0	14.59			14.52			17.57			19.5	0.0
100	QPSK	137	68	14.51			14.52			17.63			19.5	0.0
100	QPSK	137	136	14.58			14.51			17.58			19.5	0.0
100	QPSK	273	0	14.52			14.61			17.60			19.5	0.0
100	16QAM	1	1	14.48			14.58			17.54			19.5	0.0
100	64QAM	1	1	14.60			14.56			17.69			19.5	0.0
100	256QAM	1	1	14.49			14.49			17.60			19.5	0.0

Part27O_n78				Ant 3			Ant 6			Ant 3+6				
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	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	QPSK	1	1	14.66			14.66			17.67			19.5	0.0
100	QPSK	1	137	14.56			14.61			17.60			19.5	0.0
100	QPSK	1	271	14.52			14.58			17.56			19.5	0.0
100	QPSK	137	0	14.51			14.60			17.57			19.5	0.0
100	QPSK	137	68	14.65			14.63			17.65			19.5	0.0
100	QPSK	137	136	14.59			14.52			17.57			19.5	0.0
100	QPSK	273	0	14.55			14.62			17.65			19.5	0.0
100	16QAM	1	1	14.53			14.55			17.55			19.5	0.0
100	64QAM	1	1	14.61			14.63			17.63			19.5	0.0
100	256QAM	1	1	14.61			14.65			17.64			19.5	0.0



Reduced Power Mode for DS12 UL MIMO

n2		Ant 2			Ant 3			Ant 2+3			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890
40	PI2 BPSK	1	1	18.85	18.08	18.98	18.51	18.64	18.45	21.69	21.88	21.73
40	PI2 BPSK	1	108	18.97	18.98	18.94	18.45	18.56	18.44	21.73	21.79	21.71
40	PI2 BPSK	1	214	18.88	18.98	18.93	18.42	18.61	18.51	21.87	21.80	21.74
40	PI2 BPSK	108	0	18.94	18.08	18.90	18.40	18.53	18.51	21.69	21.82	21.72
40	PI2 BPSK	108	54	18.95	18.06	18.93	18.49	18.59	18.52	21.74	21.84	21.79
40	PI2 BPSK	108	108	18.97	18.99	18.97	18.46	18.62	18.54	21.73	21.82	21.77
40	PI2 BPSK	216	0	18.91	18.07	18.90	18.48	18.54	18.48	21.71	21.82	21.76
40	QPSK	1	1	18.90	18.99	18.96	18.35	18.65	18.55	21.79	21.89	21.82
40	QPSK	1	108	18.96	18.03	18.96	18.44	18.53	18.53	21.67	21.80	21.78
40	QPSK	1	214	18.86	18.90	18.90	18.47	18.54	18.41	21.68	21.79	21.73
40	QPSK	108	0	18.90	18.99	18.93	18.43	18.62	18.47	21.68	21.82	21.72
40	QPSK	108	54	18.95	18.00	18.95	18.50	18.63	18.54	21.74	21.83	21.78
40	QPSK	108	108	18.86	18.96	18.93	18.45	18.61	18.53	21.87	21.80	21.74
40	QPSK	216	0	18.90	18.08	18.92	18.49	18.57	18.44	21.71	21.75	21.70
40	16QAM	1	1	18.99	18.04	18.92	18.46	18.53	18.45	21.74	21.80	21.75
40	64QAM	1	1	18.95	18.03	18.93	18.50	18.58	18.46	21.74	21.82	21.76
40	256QAM	1	1	17.80	17.70	17.61	17.59	17.66	17.58	20.61	20.69	20.61

n2		Ant 2			Ant 1			Ant 2+1			Tune-up Int (dB)	MRR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq		
Channel				374000	376000	378000	374000	376000	378000	374000	376000	378000
Frequency (MHz)				1870	1880	1890	1870	1880	1890	1870	1880	1890
40	PI2 BPSK	1	1	19.46	19.50	19.56	19.25	19.34	19.36	22.37	22.43	22.47
40	PI2 BPSK	1	108	19.49	19.61	19.53	19.23	19.33	19.37	22.37	22.48	22.46
40	PI2 BPSK	1	214	19.42	19.61	19.52	19.32	19.42	19.30	22.38	22.48	22.42
40	PI2 BPSK	108	0	19.42	19.55	19.57	19.35	19.37	19.29	22.40	22.47	22.43
40	PI2 BPSK	108	54	19.47	19.58	19.49	19.25	19.34	19.31	22.37	22.47	22.41
40	PI2 BPSK	108	108	19.47	19.56	19.44	19.35	19.33	19.32	22.42	22.46	22.39
40	PI2 BPSK	216	0	19.44	19.55	19.51	19.26	19.36	19.35	22.36	22.47	22.44
40	QPSK	1	1	19.50	19.64	19.59	19.37	19.45	19.43	22.47	22.56	22.51
40	QPSK	1	108	19.46	19.60	19.51	19.26	19.38	19.38	22.37	22.50	22.46
40	QPSK	1	214	19.43	19.57	19.57	19.36	19.38	19.31	22.41	22.49	22.45
40	QPSK	108	0	19.42	19.57	19.49	19.29	19.42	19.32	22.37	22.51	22.42
40	QPSK	108	54	19.52	19.60	19.58	19.32	19.43	19.38	22.43	22.53	22.49
40	QPSK	108	108	19.42	19.56	19.57	19.29	19.38	19.35	22.38	22.48	22.47
40	QPSK	216	0	19.42	19.49	19.47	19.31	19.37	19.29	22.38	22.44	22.38
40	16QAM	1	1	19.44	19.54	19.52	19.28	19.30	19.29	22.37	22.43	22.42
40	64QAM	1	1	19.44	19.52	19.55	19.33	19.40	19.37	22.40	22.47	22.47
40	256QAM	1	1	17.80	17.70	17.61	17.82	17.87	17.86	20.72	20.85	20.80



n25				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				374500	376500	379000	374500	376500	379000	374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.13	19.19	19.05	18.85	18.89	18.81	22.00	22.05	21.94		
40	PI2 BPSK	1	108	19.10	19.16	19.14	18.92	18.82	18.82	22.02	22.00	21.99	23.0	0.0
40	PI2 BPSK	1	214	19.15	19.09	19.16	18.94	18.94	18.81	22.01	22.03	22.00		
40	PI2 BPSK	108	0	19.04	19.05	19.16	18.94	18.81	18.80	21.95	21.94	21.95	23.0	0.0
40	PI2 BPSK	108	54	19.13	19.17	19.07	18.79	18.89	18.81	21.97	22.04	21.95	23.0	0.0
40	PI2 BPSK	108	108	19.08	19.16	19.10	18.79	18.89	18.78	21.95	22.03	21.95	23.0	0.0
40	PI2 BPSK	216	0	19.09	19.17	19.12	18.86	18.83	18.73	21.99	22.01	21.94		
40	QPSK	1	1	19.10	19.20	19.17	18.96	18.95	18.83	22.05	22.09	22.01		
40	QPSK	1	108	19.09	19.07	19.02	18.79	18.95	18.79	21.95	22.02	21.92	23.0	0.0
40	QPSK	1	214	19.08	19.08	19.15	18.80	18.91	18.79	21.95	22.01	21.98		
40	QPSK	108	0	19.12	19.09	19.14	18.78	18.82	18.82	21.96	21.97	21.99	23.0	0.0
40	QPSK	108	54	19.13	19.18	19.16	18.95	18.90	18.84	22.01	22.05	22.01	23.0	0.0
40	QPSK	108	108	19.10	19.16	19.15	18.82	18.86	18.82	21.97	22.02	22.00	23.0	0.0
40	QPSK	216	0	19.15	19.17	19.08	18.85	18.73	18.73	22.01	22.04	21.92		
40	16QAM	1	1	19.04	19.12	19.12	18.90	18.87	18.68	21.98	22.01	21.92	23.0	0.0
40	64QAM	1	1	19.01	19.11	19.03	18.78	18.93	18.74	21.91	22.03	21.90	23.0	0.0
40	256QAM	1	1	17.69	17.80	17.69	17.51	17.66	17.56	20.61	20.74	20.64	22.5	0.5

n25				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.		
Channel				374500	376500	379000	374500	376500	379000	374500	376500	379000		
Frequency (MHz)				1870	1882.5	1895	1870	1882.5	1895	1870	1882.5	1895		
40	PI2 BPSK	1	1	19.58	19.66	19.57	19.84	19.96	20.03	22.72	22.82	22.82		
40	PI2 BPSK	1	108	19.59	19.74	19.49	19.92	20.03	20.01	22.77	22.90	22.77	23.5	0.0
40	PI2 BPSK	1	214	19.64	19.72	19.51	19.82	20.06	19.92	22.74	22.90	22.73		
40	PI2 BPSK	108	0	19.51	19.71	19.57	19.86	19.98	20.02	22.70	22.86	22.81	23.5	0.0
40	PI2 BPSK	108	54	19.61	19.62	19.60	19.85	20.04	19.99	22.74	22.85	22.81	23.5	0.0
40	PI2 BPSK	108	108	19.63	19.69	19.57	19.84	20.10	19.96	22.75	22.81	22.78	23.5	0.0
40	PI2 BPSK	216	0	19.53	19.63	19.59	19.95	20.06	19.94	22.76	22.86	22.78		
40	QPSK	1	1	19.69	19.75	19.64	19.87	20.11	20.02	22.83	22.94	22.86		
40	QPSK	1	108	19.56	19.66	19.50	19.85	19.97	19.94	22.74	22.84	22.74	23.5	0.0
40	QPSK	1	214	19.51	19.72	19.52	19.86	20.04	19.97	22.75	22.89	22.76		
40	QPSK	108	0	19.56	19.63	19.55	19.86	20.03	19.91	22.72	22.84	22.74	23.5	0.0
40	QPSK	108	54	19.63	19.72	19.62	19.93	20.10	20.04	22.79	22.92	22.85	23.5	0.0
40	QPSK	108	108	19.61	19.69	19.58	19.85	20.09	20.01	22.74	22.89	22.81	23.5	0.0
40	QPSK	216	0	19.62	19.70	19.60	19.85	20.02	19.90	22.75	22.87	22.76		
40	16QAM	1	1	19.51	19.72	19.50	19.85	19.99	19.99	22.69	22.87	22.76	23.5	0.0
40	64QAM	1	1	19.58	19.61	19.55	19.91	20.10	19.97	22.76	22.87	22.78	23.5	0.0
40	256QAM	1	1	17.69	17.80	17.69	17.77	18.03	18.02	20.74	20.93	20.87	22.5	1.0



n66				Ant 2			Ant 3			Ant 2+3			Tune-up limit (dB)	MPR (dB)	
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq			
Channel				345000	346000	347000	348000	349000	349000	349000	349000	349000	349000		
Frequency (MHz)				1750	1745	1760	1730	1745	1760	1730	1745	1760			
40	PI2 BPSK	1	1	22.22	22.21	22.21	21.95	21.95	21.99	25.10	25.09	25.11			
40	PI2 BPSK	1	108	22.22	22.26	22.23	21.92	22.06	21.97	25.08	25.17	25.11	26.0	0.0	
40	PI2 BPSK	1	214	22.10	22.21	22.18	21.93	22.02	21.95	25.03	25.13	25.08			
40	PI2 BPSK	108	0	22.21	22.18	22.27	21.62	21.70	21.62	24.94	24.96	24.97	26.0	0.0	
40	PI2 BPSK	108	54	22.15	22.30	22.19	22.02	21.89	21.97	25.10	25.16	25.09	26.0	0.0	
40	PI2 BPSK	108	108	22.13	22.23	22.27	21.58	21.65	21.50	24.87	24.96	24.91	26.0	0.0	
40	PI2 BPSK	216	0	22.21	22.25	22.20	21.55	21.69	21.61	24.90	24.99	24.93			
40	QPSK	1	1	22.25	22.21	22.25	22.05	22.08	22.05	25.15	25.15		26.0	0.0	
40	QPSK	1	108	22.12	22.16	22.16	22.00	21.98	21.99	25.07	25.08	25.09			
40	QPSK	1	214	22.15	22.25	22.14	21.99	22.03	21.98	25.08	25.15	25.07			
40	QPSK	108	0	21.69	21.66	21.51	21.13	21.16	21.01	24.38	24.43	24.28	25.5	0.5	
40	QPSK	108	54	22.11	22.21	22.14	21.59	22.07	21.55	23.05	25.15	25.05	26.0	0.0	
40	QPSK	108	108	21.50	21.65	21.63	21.07	21.12	21.06	24.30	24.40	24.36	25.5	0.5	
40	QPSK	216	0	21.55	21.60	21.49	21.07	21.15	21.00	24.33	24.39	24.36			
40	16QAM	1	1	21.68	21.77	21.66	21.34	21.38	21.23	24.52	24.59	24.46	25.5	0.5	
40	64QAM	1	1	20.17	20.22	20.18	19.83	19.88	19.87	23.01	23.06	23.04	24.5	1.5	
40	256QAM	1	1	17.52	17.66	17.56	17.57	17.60	17.55	20.56	20.64	20.57	22.5	3.5	

n66				Ant 2			Ant 1			Ant 2+1			Tune-up limit (dB)	MPR (dB)		
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq				
Channel				345000	346000	347000	348000	349000	349000	349000	349000	349000	349000			
Frequency (MHz)				1750	1745	1760	1730	1745	1760	1730	1745	1760	1730	1745	1760	
40	PI2 BPSK	1	1	20.75	20.81	20.75	21.14	21.22	21.14	23.96	24.03	23.96				
40	PI2 BPSK	1	108	20.73	20.80	20.78	21.05	21.25	21.21	23.90	24.04	24.01	24.5	0.0		
40	PI2 BPSK	1	214	20.70	20.86	20.80	21.14	21.13	21.19	23.94	24.01	24.01				
40	PI2 BPSK	108	0	20.80	20.82	20.80	21.05	21.19	21.10	23.94	24.02	23.96	24.5	0.0		
40	PI2 BPSK	108	54	20.74	20.76	20.81	21.06	21.22	21.09	23.91	24.01	23.96	24.5	0.0		
40	PI2 BPSK	108	108	20.69	20.82	20.75	21.14	21.17	21.13	23.93	24.01	23.95	24.5	0.0		
40	PI2 BPSK	216	0	20.81	20.74	20.82	21.13	21.23	21.08	23.98	24.00	23.96				
40	QPSK	1	1	20.85	20.89	20.85	21.15	21.26	21.22	24.00	24.10	24.05				
40	QPSK	1	108	20.73	20.77	20.80	21.13	21.15	21.10	23.94	23.97	23.95	24.5	0.0		
40	QPSK	1	214	20.79	20.80	20.75	21.07	21.26	21.09	23.94	24.05	23.93				
40	QPSK	108	0	20.69	20.83	20.83	21.10	21.24	21.12	23.91	24.05	23.99	24.5	0.0		
40	QPSK	108	54	20.77	20.88	20.85	21.13	21.26	21.20	23.98	24.08	24.04	24.5	0.0		
40	QPSK	108	108	20.75	20.85	20.80	21.07	21.25	21.09	23.93	24.06	23.96	24.5	0.0		
40	QPSK	216	0	20.75	20.86	20.76	21.13	21.24	21.15	23.97	24.06	23.97				
40	16QAM	1	1	20.76	20.76	20.72	21.00	21.26	21.08	23.89	24.03	23.91	24.5	0.0		
40	64QAM	1	1	20.18	20.22	20.16	20.27	20.67	20.61	23.24	23.46	23.40	24.5	0.0		
40	256QAM	1	1	17.55	17.64	17.57	17.74	18.12	18.11	20.86	20.90	20.86	22.5	2.0		



FCC_n41(PC2)				Ant 2			Ant 3			Ant 2+3				
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Turn-up limit (dBm)	MPE (dB)
Channel				50502	51658	52800	50502	51658	52800	50502	51658	52800		
Frequency (MHz)				25471	25529	25587	25471	25529	25587	25471	25529	25587		
100	PC2BPSK	1	1	21.64	21.91	21.95	21.27	21.52	21.34	24.47	24.72	24.81		
100	PC2BPSK	1	137	21.66	21.89	21.88	21.35	21.59	21.33	24.52	24.75	24.82	25.5	0.0
100	PC2BPSK	1	271	21.66	21.98	21.81	21.27	21.46	21.27	24.48	24.74	24.58		
100	PC2BPSK	135	5	21.60	21.90	21.89	21.38	21.54	21.37	24.53	24.75	24.84	25.5	0.0
100	PC2BPSK	135	69	21.60	21.91	21.84	21.35	21.45	21.36	24.49	24.70	24.82	25.5	0.0
100	PC2BPSK	135	158	21.65	21.85	21.71	21.29	21.47	21.28	24.50	24.67	24.54	25.5	0.0
100	PC2BPSK	270	5	21.63	21.96	21.79	21.34	21.56	21.35	24.50	24.77	24.57		
100	QPSK	1	1	21.61	22.00	21.50	21.30	21.60	21.40	24.61	24.55			
100	QPSK	1	137	21.62	21.86	21.80	21.34	21.46	21.34	24.46	24.67	24.63	25.5	0.0
100	QPSK	1	271	21.67	21.93	21.78	21.33	21.45	21.32	24.51	24.71	24.52		
100	QPSK	135	0	21.63	21.85	21.88	21.31	21.51	21.33	24.46	24.69	24.62	25.5	0.0
100	QPSK	135	69	21.63	21.98	21.85	21.34	21.55	21.34	24.49	24.70	24.56	25.5	0.0
100	QPSK	135	158	21.55	21.95	21.78	21.28	21.56	21.38	24.43	24.77	24.56	25.5	0.0
100	QPSK	270	0	21.57	21.93	21.76	21.28	21.53	21.37	24.43	24.75	24.59	25.5	0.0
100	SSBAM	1	1	21.65	21.98	21.80	21.36	21.56	21.37	24.47	24.70	24.57	25.5	0.0
100	SSBAM	1	1	21.63	21.96	21.75	21.30	21.48	21.33	24.48	24.73	24.58	25.5	0.0
100	SSBAM	1	1	20.94	21.19	21.25	20.84	20.88	20.85	23.80	24.60	23.97	25.0	0.0

FCC_n41(PC1.5)				Ant 2			Ant 3			Ant 2+3				
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Middle Ch. (Freq)	Power High Ch. (Freq)	Turn-up limit (dBm)	MPE (dB)
Channel				50502	51658	52800	50502	51658	52800	50502	51658	52800		
Frequency (MHz)				24471	24529	24587	24471	24529	24587	24471	24529	24587		
100	PC1BPSK	1	1	24.55	24.79	24.74	24.51	24.63	24.51	27.55	27.55	27.54		
100	PC1BPSK	1	137	24.68	24.73	24.67	24.60	24.56	24.27	27.55	27.67	27.48	28.5	0.0
100	PC1BPSK	1	271	24.58	24.80	24.74	24.42	24.58	24.35	27.51	27.65	27.58		
100	PC1BPSK	135	5	24.59	24.84	24.78	24.24	24.32	24.27	27.42	27.60	27.59	28.5	0.0
100	PC1BPSK	135	69	24.65	24.78	24.78	24.54	24.59	24.27	27.61	27.70	27.54	28.5	0.0
100	PC1BPSK	135	158	24.52	24.72	24.71	24.25	24.31	24.35	27.48	27.63	27.53	28.5	0.0
100	PC1BPSK	270	5	24.55	24.78	24.71	24.26	24.37	24.30	27.43	27.60	27.56		
100	QPSK	1	1	24.60	24.85	24.72	24.22	24.30	24.41	27.52	27.70	27.62		
100	QPSK	1	137	24.58	24.77	24.76	24.46	24.68	24.36	27.49	27.74	27.69	28.5	0.0
100	QPSK	1	271	24.55	24.81	24.75	24.44	24.62	24.28	27.56	27.71	27.52		
100	QPSK	135	0	24.51	24.80	24.65	24.52	24.32	24.34	27.18	27.52	27.41	28.5	0.0
100	QPSK	135	69	24.55	24.80	24.70	24.21	24.31	24.31	27.56	27.70	27.52	28.5	0.0
100	QPSK	135	158	24.07	24.48	24.40	24.03	24.28	24.11	27.06	27.38	27.27	24.5	0.0
100	QPSK	270	0	24.25	24.64	24.60	24.54	24.20	24.03	27.18	27.44	27.33	24.5	0.0
100	SSBAM	1	1	24.68	24.78	24.80	24.50	24.60	24.34	27.60	27.70	27.58	28.5	0.0
100	SSBAM	1	1	23.35	23.73	23.71	23.18	23.48	23.33	26.27	26.61	26.53	27.5	1.0
100	SSBAM	1	1	20.95	21.34	21.32	20.60	20.96	20.80	23.83	24.17	24.08	25.5	0.0



FCC_n41(PC2)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	24.92	24.96	24.51	24.92	24.96	24.51	24.92	24.96		
100	PI2-BPSK	1	1	21.58	21.84	21.91	21.73	21.85	21.96	24.87	24.95	24.95		
100	PI2-BPSK	1	137	21.87	22.03	22.03	21.79	22.00	21.99	24.74	25.01	25.02	20.0	0.0
100	PI2-BPSK	1	271	21.57	21.86	21.87	21.77	21.98	21.85	24.88	24.97	24.95		
100	PI2-BPSK	135	5	21.81	21.98	21.98	21.80	22.02	21.89	24.74	25.01	24.95	20.0	0.0
100	PI2-BPSK	135	89	21.89	22.07	21.96	21.81	21.98	21.85	24.72	25.04	24.89	20.0	0.0
100	PI2-BPSK	135	139	21.88	22.05	22.01	21.75	22.01	21.85	24.71	25.03	24.84	20.0	0.0
100	PI2-BPSK	215	5	21.85	21.93	21.91	21.70	22.03	21.85	24.72	25.01	24.88		
100	QPSK	1	1	21.79	22.08	22.05	21.80	22.04	22.00	21.80	25.07	25.00		
100	QPSK	1	137	21.81	21.99	21.94	21.84	21.99	21.85	24.74	24.99	24.99	20.0	0.0
100	QPSK	1	271	21.89	22.07	21.95	21.77	22.01	21.82	24.74	24.97	24.92		
100	QPSK	135	5	21.85	21.97	21.96	21.82	21.92	21.80	24.75	24.98	24.84	20.0	0.0
100	QPSK	135	89	21.88	22.06	22.02	21.76	22.01	21.85	24.75	25.05	24.96	20.0	0.0
100	QPSK	135	139	21.81	22.08	22.00	21.75	22.00	21.85	24.71	25.04	24.98	20.0	0.0
100	QPSK	215	5	21.87	21.94	21.92	21.78	21.99	21.85	24.74	24.98	24.95		
100	SSBAM	1	1	21.59	21.95	21.90	21.83	22.00	21.87	24.74	24.98	24.95	20.0	0.0
100	SSBAM	1	1	21.57	22.05	21.95	21.77	21.95	21.89	24.82	25.01	24.93	20.0	0.0
100	SSBAM	1	1	20.35	24.14	21.11	20.29	20.99	21.09	23.88	24.98	24.52	20.5	0.5

FCC_n41(PC1.5)				Ant 2			Ant 1			Ant 2+1			Turn-up test (dBm)	MPS (dB)
BW (MHz)	Modulation	RB Size	RB Offset	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)	FCC Power Low Ch. (Freq)	Power Mids Ch. (Freq)	Power High Ch. (Freq)		
Channel				50502	51858	52800	50502	51858	52800	50502	51858	52800		
Frequency (MHz)				24.51	24.92	24.96	24.51	24.92	24.96	24.51	24.92	24.96		
100	PI2-BPSK	1	1	24.69	24.98	24.84	24.79	25.02	24.87	24.77	25.01	24.87		
100	PI2-BPSK	1	137	24.86	24.97	24.82	24.80	25.03	24.95	24.77	25.01	24.80	20.0	0.0
100	PI2-BPSK	1	271	24.88	24.96	24.83	24.75	24.93	24.89	24.73	24.87	24.87		
100	PI2-BPSK	135	5	24.85	24.91	24.78	24.97	24.71	24.96	24.82	24.82	24.80	20.0	0.0
100	PI2-BPSK	135	89	24.77	24.90	24.75	24.82	24.97	24.67	24.81	24.85	24.82	20.0	0.0
100	PI2-BPSK	135	139	24.14	24.85	24.58	24.88	24.48	24.46	24.27	24.83	24.83	20.0	0.0
100	PI2-BPSK	215	5	24.76	24.84	24.77	24.80	24.82	24.48	24.88	24.79	24.84		
100	QPSK	1	1	24.80	25.00	24.80	24.80	25.06	24.97	24.80	25.04	24.95		
100	QPSK	1	137	24.78	24.81	24.81	24.82	24.89	24.88	24.82	24.83	24.81	20.0	0.0
100	QPSK	1	271	24.75	24.86	24.80	24.82	25.00	24.84	24.80	24.80	24.80		
100	QPSK	135	5	24.80	24.91	24.87	24.87	24.87	24.44	24.24	24.80	24.80	20.0	0.0
100	QPSK	135	89	24.84	24.88	24.84	24.84	24.97	24.81	24.80	24.80	24.80	20.0	0.0
100	QPSK	135	139	24.01	24.35	24.20	24.09	24.20	24.10	24.88	24.20	24.21	20.0	0.0
100	QPSK	215	5	24.81	24.82	24.48	24.81	24.23	24.12	24.82	24.30	24.31	20.0	0.0
100	SSBAM	1	1	20.55	24.89	24.97	24.77	25.05	24.90	24.72	25.02	24.80	20.0	0.0
100	SSBAM	1	1	23.02	25.04	23.48	23.25	23.48	23.38	26.15	26.52	26.41	24.5	1.5
100	SSBAM	1	1	20.87	21.19	21.13	20.81	21.01	20.87	23.70	24.11	24.01	20.5	0.5



Part96_n48				Ant 4			Ant 8			Ant 4+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq		
Channel				638000	641666	645332	638000	641666	645332	638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	1	18.85	19.97	19.88	18.45	19.47	19.45	22.11	22.74	22.89	24.0	0.0
40	QPSK	1	53	19.82	19.79	19.79	19.19	19.25	19.12	22.53	22.53	22.48		
40	QPSK	1	104	19.84	19.81	19.78	19.40	19.38	19.37	22.64	22.61	22.59		
40	QPSK	53	0	18.21	18.32	18.21	17.73	17.87	17.80	20.99	21.11	21.02	22.5	1.5
40	QPSK	53	27	19.87	19.93	19.85	19.22	19.32	19.19	22.57	22.65	22.54	24.0	0.0
40	QPSK	53	53	18.29	18.34	18.29	17.74	17.84	17.78	21.03	21.11	21.05	22.5	1.5
40	QPSK	106	0	18.53	18.60	18.46	18.07	18.11	18.00	21.32	21.37	21.29	22.5	1.5
40	16QAM	1	1	19.26	19.37	19.23	18.99	19.09	18.98	22.11	22.24	22.12	23.5	0.5
40	64QAM	1	1	17.34	17.36	17.31	16.79	16.87	16.77	20.08	20.13	20.06	21.5	2.5
40	256QAM	1	1	15.19	15.20	15.17	14.56	14.64	14.57	17.90	17.94	17.89	19.5	4.5



Part96_n48				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				638000	641666	645332	638000	641666	645332	638000	641666	645332		
				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	71	18.42	18.52	18.44	18.53	18.64	18.55	20.29	20.09	20.81		
40	QPSK	1	53	18.36	18.59	18.35	18.52	18.63	18.48	20.55	20.61	20.53	22.5	0.0
40	QPSK	1	104	18.35	18.41	18.41	18.43	18.52	18.43	20.51	20.58	20.54		
40	QPSK	53	0	18.33	18.32	18.38	18.50	18.57	18.50	20.52	20.54	20.55	22.5	0.0
40	QPSK	53	27	18.38	18.46	18.40	18.52	18.60	18.54	20.57	20.64	20.59	22.5	0.0
40	QPSK	53	53	18.35	18.34	18.29	18.45	18.55	18.53	20.51	20.55	20.51	22.5	0.0
40	QPSK	106	0	18.38	18.44	18.30	18.46	18.59	18.52	20.54	20.62	20.51	22.5	0.0
40	16QAM	1	1	18.35	18.45	18.37	18.49	18.49	18.50	20.53	20.59	20.55	23.5	0.0
40	64QAM	1	1	17.34	17.36	17.31	15.75	15.81	15.73	18.63	18.66	18.60	21.5	1.0
40	256QAM	1	1	15.19	15.20	15.17	13.69	13.77	13.69	17.51	17.55	17.50	19.5	3.0



Part96_n48				Ant 3			Ant 8			Ant 3+8			Tune-up limit (dBm)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
				638000	641666	645332	638000	641666	645332	638000	641666	645332		
				3570	3624.99	3679.98	3570	3624.99	3679.98	3570	3624.99	3679.98		
40	QPSK	1	1	18.47	18.50	18.44	18.50	18.54	18.42	20.26	21.25	21.44	23.0	0.0
40	QPSK	1	53	18.35	18.36	18.36	18.43	18.51	18.31	21.40	21.45	21.35		
40	QPSK	1	194	18.43	18.44	18.32	18.44	18.48	18.41	21.45	21.47	21.38		
40	QPSK	53	0	17.91	17.87	17.81	17.73	17.87	17.80	20.83	20.88	20.62	22.5	0.5
40	QPSK	53	27	18.34	18.45	18.41	18.44	18.49	18.38	21.40	21.48	21.41	23.0	0.0
40	QPSK	53	53	17.87	17.85	17.91	17.74	17.84	17.78	20.82	20.86	20.66	22.5	0.5
40	QPSK	106	0	18.08	18.11	18.09	18.07	18.11	18.00	21.09	21.12	21.06		
40	16QAM	1	1	18.36	18.44	18.42	18.39	18.51	18.37	21.29	21.49	21.41	23.0	0.0
40	64QAM	1	1	16.80	16.98	16.84	16.79	16.87	16.77	19.86	19.94	19.82	21.5	1.5
40	256QAM	1	1	14.72	14.69	14.67	14.58	14.84	14.57	17.65	17.68	17.63	19.5	3.5



Part27Q_n77(PC2)				Ant 4			Ant 6			Ant 4+6			Time-up time (min)	MPT (min)
BS ID#	Modulation	RS Size	RS Offset	Power Level Ch. 1(Freq)	Power Level Ch. 2(Freq)	Power Level Ch. 3(Freq)	Power Level Ch. 1(Freq)	Power Level Ch. 2(Freq)	Power Level Ch. 3(Freq)	Power Level Ch. 1(Freq)	Power Level Ch. 2(Freq)	Power Level Ch. 3(Freq)		
Frequency Range				3650-36			3650-36			3650-36				
100	PB-SSB	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	PB-SSB	1	197	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	PB-SSB	1	371	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	PB-SSB	105	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	PB-SSB	105	80	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	PB-SSB	105	159	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	PB-SSB	210	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	QPSK	1	197	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	371	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	105	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	QPSK	105	80	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	105	159	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	QPSK	210	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	24.0	0.0

Part27Q_n77(PC1.5)				Ant 4			Ant 6			Ant 4+6			Time-up time (min)	MPT (min)
BS ID#	Modulation	RS Size	RS Offset	Power Level Ch. 1(Freq)	Power Level Ch. 2(Freq)	Power Level Ch. 3(Freq)	Power Level Ch. 1(Freq)	Power Level Ch. 2(Freq)	Power Level Ch. 3(Freq)	Power Level Ch. 1(Freq)	Power Level Ch. 2(Freq)	Power Level Ch. 3(Freq)		
Frequency Range				3650-36			3650-36			3650-36				
100	PB-SSB	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	PB-SSB	1	197	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	PB-SSB	1	371	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	PB-SSB	105	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	PB-SSB	105	80	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	PB-SSB	105	159	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	PB-SSB	210	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	QPSK	1	197	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	371	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	105	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	QPSK	105	80	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	105	159	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	QPSK	210	0	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20		
100	QPSK	1	1	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	20.20	27.0	0.0



Part270_n77(PC2)				Ant 4			Ant 6			Ant 4+6			Time-up (min)	MPTT (min)
Cell ID	Modem	IS Num	IS Chan	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class	Power Class		
Frequency (MHz)				3.5G	3.5G	3.5G	3.5G	3.5G	3.5G	3.5G	3.5G	3.5G		
100	PCB050C	1	1	20.10	20.10	20.10	20.11	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	PCB050C	1	107	20.08	20.10	20.10	20.11	20.07	20.14	20.10	20.10	20.11	24.0	0.0
100	PCB050C	1	271	20.08	20.10	20.10	20.11	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	PCB050C	105	8	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	PCB050C	105	105	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	PCB050C	105	108	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	PCB050C	200	0	20.10	19.90	20.00	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50	1	1	20.08	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50	1	107	20.08	20.10	20.10	20.11	20.07	20.14	20.10	20.10	20.11	24.0	0.0
100	CP50	1	271	20.08	20.10	20.10	20.11	20.07	20.14	20.10	20.10	20.11	24.0	0.0
100	CP50	105	8	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50	105	105	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50	105	108	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50	200	0	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	1	1	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	1	107	20.10	20.10	20.10	20.11	20.08	20.14	20.10	20.10	20.11	24.0	0.0
100	CP50M	1	271	20.10	20.10	20.10	20.11	20.08	20.14	20.10	20.10	20.11	24.0	0.0
100	CP50M	105	8	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	105	105	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	105	108	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	200	0	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	1	1	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	1	107	20.10	20.10	20.10	20.11	20.08	20.14	20.10	20.10	20.11	24.0	0.0
100	CP50M	1	271	20.10	20.10	20.10	20.11	20.08	20.14	20.10	20.10	20.11	24.0	0.0
100	CP50M	105	8	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	105	105	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	105	108	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0
100	CP50M	200	0	20.10	20.10	20.10	20.10	20.07	20.10	20.10	20.10	20.10	24.0	0.0



Part27Q_n77(PC2)				Ant 3				Ant 8				Ant 3+8				Turn-up time (min)	MPY (mm)
Part 27Q	Material	HS Size	HS Offset	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)				
Channel																	
Frequency (MHz)				3650-37				3650-37				3650-37					
100	FR2BPSK	1	1	22.22	21.98	22.22	22.00	22.22	21.98	22.22	22.00	22.22	21.98	22.22	22.00		
100	FR2BPSK	1	137	22.22	21.97	22.22	22.00	22.22	21.97	22.22	22.00	22.22	21.97	22.22	22.00	20.0	
100	FR2BPSK	1	271	22.22	21.82	22.22	22.00	22.22	21.82	22.22	22.00	22.22	21.82	22.22	22.00	0.0	
100	FR2BPSK	100	0	22.22	21.87	22.22	22.00	22.22	21.87	22.22	22.00	22.22	21.87	22.22	22.00	20.0	
100	FR2BPSK	100	30	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	0.0	
100	FR2BPSK	100	150	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	20.0	
100	FR2BPSK	200	0	22.22	21.89	22.22	22.00	22.22	21.89	22.22	22.00	22.22	21.89	22.22	22.00	0.0	
100	CPSK	1	1	22.22	22.00	22.22	22.00	22.22	22.00	22.22	22.00	22.22	22.00	22.22	22.00		
100	CPSK	1	137	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	20.0	
100	CPSK	1	271	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	0.0	
100	CPSK	100	0	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	20.0	
100	CPSK	100	30	22.22	21.81	22.22	22.00	22.22	21.81	22.22	22.00	22.22	21.81	22.22	22.00	0.0	
100	CPSK	100	150	22.22	21.85	22.22	22.00	22.22	21.85	22.22	22.00	22.22	21.85	22.22	22.00	20.0	
100	CPSK	200	0	22.22	21.91	22.22	22.00	22.22	21.91	22.22	22.00	22.22	21.91	22.22	22.00	0.0	
100	FSK4M	1	1	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	20.0	
100	FSK4M	1	1	22.22	21.84	22.22	22.00	22.22	21.84	22.22	22.00	22.22	21.84	22.22	22.00	0.0	
100	FSK4M	1	1	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	20.0	

Part27Q_n77(PC1.5)				Ant 3				Ant 8				Ant 3+8				Turn-up time (min)	MPY (mm)
Part 27Q	Material	HS Size	HS Offset	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)	Power Level (Ch. 1/2/Freq.)				
Channel																	
Frequency (MHz)				3650-37				3650-37				3650-37					
100	FR2BPSK	1	1	22.22	21.98	22.22	22.00	22.22	21.98	22.22	22.00	22.22	21.98	22.22	22.00		
100	FR2BPSK	1	137	22.22	21.97	22.22	22.00	22.22	21.97	22.22	22.00	22.22	21.97	22.22	22.00	20.0	
100	FR2BPSK	1	271	22.22	21.82	22.22	22.00	22.22	21.82	22.22	22.00	22.22	21.82	22.22	22.00	0.0	
100	FR2BPSK	100	0	22.22	21.87	22.22	22.00	22.22	21.87	22.22	22.00	22.22	21.87	22.22	22.00	20.0	
100	FR2BPSK	100	30	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	0.0	
100	FR2BPSK	100	150	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	20.0	
100	FR2BPSK	200	0	22.22	21.89	22.22	22.00	22.22	21.89	22.22	22.00	22.22	21.89	22.22	22.00	0.0	
100	CPSK	1	1	22.22	22.00	22.22	22.00	22.22	22.00	22.22	22.00	22.22	22.00	22.22	22.00		
100	CPSK	1	137	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	20.0	
100	CPSK	1	271	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	0.0	
100	CPSK	100	0	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	22.22	21.88	22.22	22.00	20.0	
100	CPSK	100	30	22.22	21.81	22.22	22.00	22.22	21.81	22.22	22.00	22.22	21.81	22.22	22.00	0.0	
100	CPSK	100	150	22.22	21.85	22.22	22.00	22.22	21.85	22.22	22.00	22.22	21.85	22.22	22.00	20.0	
100	CPSK	200	0	22.22	21.91	22.22	22.00	22.22	21.91	22.22	22.00	22.22	21.91	22.22	22.00	0.0	
100	FSK4M	1	1	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	22.22	21.92	22.22	22.00	20.0	
100	FSK4M	1	1	22.22	21.84	22.22	22.00	22.22	21.84	22.22	22.00	22.22	21.84	22.22	22.00	0.0	
100	FSK4M	1	1	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	22.22	21.86	22.22	22.00	20.0	



Part270_n77(PC2)		Ant 3			Ant 8			Ant 3+8			Time-up limit (min)	MTR (dB)
Ant Path	Modulation	RS Size	RS Offset	Power Line Ch. (Freq.)	Power Plane Ch. (Freq.)	Power Edge Ch. (Freq.)	Power Line Ch. (Freq.)	Power Plane Ch. (Freq.)	Power Edge Ch. (Freq.)	Power Line Ch. (Freq.)		
Channel												
	Frequency/BW(k)	1	1	3000	3000	3000	3000	3000	3000	3000	3000	3000
100	FR-FR-FR	1	1	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	1	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	FR-FR-FR	1	271	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	107	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	FR-FR-FR	1	301	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	185	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	FR-FR-FR	1	108	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	202	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	1	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	107	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	271	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	108	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	301	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	185	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	108	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	202	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	MCMA	1	1	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	MCMA	1	1	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00

Part270_n77(PC1.5)		Ant 3			Ant 8			Ant 3+8			Time-up limit (min)	MTR (dB)
Ant Path	Modulation	RS Size	RS Offset	Power Line Ch. (Freq.)	Power Plane Ch. (Freq.)	Power Edge Ch. (Freq.)	Power Line Ch. (Freq.)	Power Plane Ch. (Freq.)	Power Edge Ch. (Freq.)	Power Line Ch. (Freq.)		
Channel												
	Frequency/BW(k)	1	1	3000	3000	3000	3000	3000	3000	3000	3000	3000
100	FR-FR-FR	1	1	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	107	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	FR-FR-FR	1	271	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	108	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	FR-FR-FR	1	301	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	185	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	FR-FR-FR	1	108	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	FR-FR-FR	1	202	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	1	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	107	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	271	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	108	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	301	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	185	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	CPSC	1	108	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	CPSC	1	202	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00
100	MCMA	1	1	21.00	22.00	23.00	21.00	22.00	23.00	21.00	22.00	23.00
100	MCMA	1	1	22.00	23.00	24.00	22.00	23.00	24.00	22.00	23.00	24.00



Part27Q_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	22.30		22.15			25.24				27.0	0.0
100	QPSK	1	137	22.17		22.10		25.15						
100	QPSK	1	271	22.24		22.12		25.19						
100	QPSK	137	0	20.98		20.04		23.23				25.0	2.0	
100	QPSK	137	68	22.15		22.08		25.09				27.0	0.0	
100	QPSK	137	136	20.74		20.18		23.48				25.0	2.0	
100	QPSK	273	0	20.66		20.12		23.41						
100	16QAM	1	1	21.54		21.41		24.49				26.0	1.0	
100	64QAM	1	1	20.07		19.75		22.92				24.5	2.5	
100	256QAM	1	1	17.97		16.81		19.85				21.5	5.5	

Part27O_n78				Ant 4			Ant 8			Ant 4+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MRR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				3725			3725			3725				
100	QPSK	1	1	22.16		22.17			25.18				27.0	0.0
100	QPSK	1	137	22.00		22.08		25.05						
100	QPSK	1	271	22.06		22.10		25.09						
100	QPSK	137	0	20.60		20.10		23.37				25.0	2.0	
100	QPSK	137	68	22.04		22.05		25.06				27.0	0.0	
100	QPSK	137	136	20.77		20.15		23.48				25.0	2.0	
100	QPSK	273	0	20.68		20.16		23.44						
100	16QAM	1	1	21.52		21.55		24.55				26.0	1.0	
100	64QAM	1	1	19.85		19.80		22.84				24.5	2.5	
100	256QAM	1	1	16.85		17.00		19.94				21.5	5.5	



Part27Q_n78				Ant 4			Ant 6			Ant 4+6			Tune-up limit (dB)	MPR (dB)
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.		
Channel				633332			633332			633332				
Frequency (MHz)				3499.98			3499.98			3499.98				
100	QPSK	1	1	19.25			19.25				22.24			
100	QPSK	1	137	19.12			19.12				22.13		24.0	0.0
100	QPSK	1	271	19.24			19.19				22.23			
100	QPSK	137	0	19.12			19.09				22.12		24.0	0.0
100	QPSK	137	68	19.21			19.18				22.21		24.0	0.0
100	QPSK	137	136	19.13			19.12				22.14			
100	QPSK	273	0	19.19			19.16				22.19		24.0	0.0
100	16QAM	1	1	19.21			19.09				22.16		24.0	0.0
100	64QAM	1	1	19.15			19.18				22.18		24.0	0.0
100	256QAM	1	1	17.07			17.00				20.05		21.5	-2.5



Part27O_n78				Ant 4			Ant 6			Ant 4+6				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	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	QPSK	1	1	19.16	19.16	19.16	19.16	19.16	19.16	19.16	19.16	19.16	24.0	0.0
100	QPSK	1	137	19.12	19.15	19.15	19.12	19.15	19.15	19.12	19.15	19.15		
100	QPSK	1	271	19.14	19.13	19.13	19.14	19.13	19.13	19.14	19.13	19.13		
100	QPSK	137	0	19.14	19.12	19.12	19.14	19.12	19.12	19.14	19.12	19.12	24.0	0.0
100	QPSK	137	68	19.15	19.14	19.14	19.15	19.14	19.14	19.15	19.14	19.14	24.0	0.0
100	QPSK	137	136	19.08	19.10	19.10	19.08	19.10	19.10	19.08	19.10	19.10	24.0	0.0
100	QPSK	273	0	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	19.04	24.0	0.0
100	16QAM	1	1	19.10	19.08	19.08	19.10	19.08	19.08	19.10	19.08	19.08	24.0	0.0
100	64QAM	1	1	19.16	19.05	19.05	19.16	19.05	19.05	19.16	19.05	19.05	24.0	0.0
100	256QAM	1	1	16.85	17.05	17.05	16.85	17.05	17.05	16.85	17.05	17.05	21.5	2.5

Part27Q_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				633332			633332			633332				
Frequency (MHz)				3499.68			3499.68			3499.68				
100	QPSK	1	1	21.14	21.14	21.14	21.14	21.14	21.14	21.14	21.14	21.14	24.0	0.0
100	QPSK	1	137	21.03	21.11	21.11	21.03	21.11	21.11	21.03	21.11	21.11	24.0	0.0
100	QPSK	1	271	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	21.11	24.12	0.0
100	QPSK	137	0	20.40	20.04	20.04	20.40	20.04	20.04	20.40	20.04	20.04	23.23	1.0
100	QPSK	137	68	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	21.12	26.0	0.0
100	QPSK	137	136	20.48	20.18	20.18	20.48	20.18	20.18	20.48	20.18	20.18	23.34	1.0
100	QPSK	273	0	20.30	20.12	20.12	20.30	20.12	20.12	20.30	20.12	20.12	23.22	1.0
100	16QAM	1	1	21.02	21.09	21.09	21.02	21.09	21.09	21.02	21.09	21.09	24.07	0.0
100	64QAM	1	1	20.00	19.75	19.75	20.00	19.75	19.75	20.00	19.75	19.75	24.5	1.5
100	256QAM	1	1	17.09	16.81	16.81	17.09	16.81	16.81	17.09	16.81	16.81	21.5	4.5



Part27O_n78				Ant 3			Ant 8			Ant 3+8				
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000			650000			650000				
Frequency (MHz)				39.50			39.50			39.50				
100	QPSK	1	1	21.17			21.16					24.18		
100	QPSK	1	137	21.16			21.09					24.14	26.0	0.0
100	QPSK	1	271	21.05			21.07					24.07		
100	QPSK	137	0	20.40			20.19					23.26	25.0	1.0
100	QPSK	137	68	21.08			21.09					24.10	26.0	0.0
100	QPSK	137	135	20.55			20.15					23.36		
100	QPSK	273	0	20.30			20.18					23.24	25.0	1.0
100	16QAM	1	1	21.04			21.15					24.11	26.0	0.0
100	64QAM	1	1	19.89			19.89					22.81	24.5	1.5
100	256QAM	1	1	17.50			17.50					20.06	21.5	4.5



Default & DSI 12													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	18.50	20.00	15.60	15.70	LE	CH 00	2402	16.30	18.00	12.50	14.00
	CH 39	2441	16.90	20.50	16.10	16.20		CH 19	2440	16.90	18.50	13.00	14.50
	CH 78	2480	17.60	19.00	14.70	14.80		CH 39	2480	15.20	16.50	11.60	13.00

DSI 3 & DSI 10													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	16.85	18.50	15.80	15.70	LE	CH 00	2402	16.30	18.00	12.50	14.00
	CH 39	2441	17.69	19.00	16.10	16.20		CH 19	2440	16.90	18.50	13.00	14.50
	CH 78	2480	16.37	18.00	14.70	14.80		CH 39	2480	15.20	16.50	11.60	13.00

DSI 5/6													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	16.32	18.00	15.60	15.70	LE	CH 00	2402	16.30	18.00	12.50	14.00
	CH 39	2441	16.90	18.50	16.10	16.20		CH 19	2440	16.90	18.50	13.00	14.50
	CH 78	2480	15.53	17.00	14.70	14.80		CH 39	2480	15.20	16.50	11.60	13.00

DSI 2/11													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	14.35	16.00	14.45	14.51	LE	CH 00	2402	14.40	16.00	12.50	14.00
	CH 39	2441	15.05	16.50	15.02	15.05		CH 19	2440	15.00	16.50	13.00	14.50
	CH 78	2480	13.84	15.50	13.82	13.88		CH 39	2480	13.50	15.00	11.60	13.00

DSI 7													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 7	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	13.45	15.00	13.39	13.43	LE	CH 00	2402	13.30	15.00	12.50	14.00
	CH 39	2441	14.01	15.50	13.78	13.85		CH 19	2440	14.00	15.50	13.00	14.50
	CH 78	2480	12.99	14.50	12.86	12.79		CH 39	2480	12.60	14.00	11.60	13.00

Default & DSI 5/10													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 5		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 5	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	18.50	20.00	16.00	16.10	LE	CH 00	2402	16.60	18.00	12.10	13.50
	CH 39	2441	19.00	20.50	16.20	16.30		CH 19	2440	17.00	18.50	12.40	14.00
	CH 78	2480	18.40	20.00	15.60	15.70		CH 39	2480	16.30	18.00	11.60	13.00

DSI 7/11/3													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 5		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 5	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	17.30	19.00	16.00	16.10	LE	CH 00	2402	16.60	18.00	12.10	13.50
	CH 39	2441	18.10	19.50	16.20	16.30		CH 19	2440	17.00	18.50	12.40	14.00
	CH 78	2480	17.50	19.00	15.60	15.70		CH 39	2480	16.30	18.00	11.60	13.00

DSI 2													
Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 5		Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Tune-up Limit	Ant 5	
					Average power (dBm) 2Mbps	Average power (dBm) 3Mbps						Average power (dBm) 2Mbps	Average power (dBm) 3Mbps
BR / EDR	CH 00	2402	16.11	17.50	16.00	16.10	LE	CH 00	2402	16.60	18.00	12.10	13.50
	CH 39	2441	17.20	18.50	16.20	16.30		CH 19	2440	17.00	18.50	12.40	14.00
	CH 78	2480	16.84	18.00	15.60	15.70		CH 39	2480	16.30	18.00	11.60	13.00

Default DSI 2/3/4/5/6/10/11/12																				
Mode	Channel	Frequency (MHz)	Ant 7*5(7)		Ant 7*5(5)		Ant 7*5		Ant 7*5(7)		Ant 7*5(5)		Ant 7*5		Ant 7*5(7)		Ant 7*5(5)		Ant 7*5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
BR / EDR	CH 00	2402	14.60	15.50	13.90	15.50	17.27	18.50	12.10	13.50	10.90	12.50	14.55	16.00	12.20	13.50	11.00	12.50	14.65	16.00
	CH 39	2441	15.10	16.00	14.30	16.00	17.73	19.00	12.50	14.00	11.40	13.00	15.00	16.50	12.60	14.00	11.50	13.00	15.10	16.50
	CH 78	2480	13.90	15.00	13.40	15.00	16.67	18.00	11.20	13.00	10.70	12.00	13.97	15.50	11.30	13.00	10.80	12.00	14.07	15.50

Mode	Channel	Frequency (MHz)	Ant 7*5(7)		Ant 7*5(5)		Ant 7*5		Ant 7*5(7)		Ant 7*5(5)		Ant 7*5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
LE	CH 00	2402	12.78	14.00	11.82	13.00	15.34	16.54	8.36	10.00	7.62	9.00	11.02	12.50
	CH 19	2440	13.05	14.00	11.94	13.00	15.54	16.54	8.53	10.00	7.85	9.00	11.21	12.50
	CH 39	2480	11.74	13.00	11.36	13.00	14.56	16.00	7.54	9.00	7.22	9.00	10.39	12.00

DSI 7																				
Mode	Channel	Frequency (MHz)	Ant 7*5(7)		Ant 7*5(5)		Ant 7*5		Ant 7*5(7)		Ant 7*5(5)		Ant 7*5		Ant 7*5(7)		Ant 7*5(5)		Ant 7*5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
BR / EDR	CH 00	2402	14.20	15.00	13.50	15.00	16.87	18.00	12.10	13.50	10.90	12.50	14.55	16.00	12.20	13.50	11.00	12.50	14.65	16.00
	CH 39	2441	14.60	15.50	13.80	15.50	17.23	18.50	12.50	14.00	11.40	13.00	15.00	16.50	12.60	14.00	11.50	13.00	15.10	16.50
	CH 78	2480	13.50	14.50	13.00	14.50	16.27	18.00	11.20	13.00	10.70	12.00	13.97	15.50	11.30	13.00	10.80	12.00	14.07	15.50

Mode	Channel	Frequency (MHz)	Ant 7*5(7)		Ant 7*5(5)		Ant 7*5		Ant 7*5(7)		Ant 7*5(5)		Ant 7*5	
			Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 1Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit	Average power (dBm) 2Mbps	Tune-up Limit
LE	CH 00	2402	12.78	14.00	11.82	13.00	15.34	16.54	8.36	10.00	7.62	9.00	11.02	12.50
	CH 19	2440	13.05	14.00	11.94	13.00	15.54	16.54	8.53	10.00	7.85	9.00	11.21	12.50
	CH 39	2480	11.74	13.00	11.36	13.00	14.56	16.00	7.54	9.00	7.22	9.00	10.39	12.00

