



Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.55	24.63	24.57			
10	QPSK	1	25	24.52	24.61	24.50	25	0	
10	QPSK	1	49	24.55	24.53	24.54			
10	QPSK	25	0	23.52	23.56	23.52			
10	QPSK	25	12	23.51	23.51	23.50	24	1	
10	QPSK	25	25	23.50	23.53	23.48			
10	QPSK	50	0	23.52	23.57	23.54			
10	16QAM	1	0	23.83	23.80	23.82			
10	16QAM	1	25	23.83	23.78	23.76	24	1	
10	16QAM	1	49	23.77	23.78	23.75			
10	16QAM	25	0	22.53	22.51	22.50			
10	16QAM	25	12	22.57	22.55	22.59	23	2	
10	16QAM	25	25	22.53	22.49	22.49			
10	16QAM	50	0	22.52	22.51	22.52			
10	64QAM	1	0	22.66	22.71	22.68			
10	64QAM	1	25	22.71	22.70	22.67	23	2	
10	64QAM	1	49	22.67	22.70	22.70			
10	64QAM	25	0	21.48	21.52	21.47			
10	64QAM	25	12	21.57	21.54	21.57	22	3	
10	64QAM	25	25	21.48	21.51	21.49			
10	64QAM	50	0	21.51	21.48	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.45	24.51	24.48			
5	QPSK	1	12	24.41	24.53	24.45	25	0	
5	QPSK	1	24	24.50	24.44	24.42			
5	QPSK	12	0	23.46	23.41	23.43			
5	QPSK	12	7	23.37	23.39	23.41	24	1	
5	QPSK	12	13	23.38	23.42	23.38			
5	QPSK	25	0	23.41	23.47	23.47			
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.73	23.69	23.64	24	1	
5	16QAM	1	24	23.62	23.70	23.69			
5	16QAM	12	0	22.46	22.45	22.43			
5	16QAM	12	7	22.52	22.43	22.47	23	2	
5	16QAM	12	13	22.45	22.38	22.37			
5	16QAM	25	0	22.42	22.46	22.39			
5	64QAM	1	0	22.54	22.56	22.57			
5	64QAM	1	12	22.66	22.58	22.52	23	2	
5	64QAM	1	24	22.55	22.61	22.55			
5	64QAM	12	0	21.40	21.40	21.38			
5	64QAM	12	7	21.46	21.40	21.47			
5	64QAM	12	13	21.43	21.36	21.34	22	3	
5	64QAM	25	0	21.39	21.35	21.42			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.87	23.91	23.90			
10	QPSK	1	25	23.82	23.90	23.86	25	0	
10	QPSK	1	49	23.84	23.87	23.85			
10	QPSK	25	0	22.82	22.87	22.86			
10	QPSK	25	12	22.78	22.78	22.77	24	1	
10	QPSK	25	25	22.79	22.81	22.78			
10	QPSK	50	0	22.80	22.86	22.82			
10	16QAM	1	0	23.06	23.18	23.13			
10	16QAM	1	25	23.10	23.09	23.12	24	1	
10	16QAM	1	49	23.06	23.08	23.05			
10	16QAM	25	0	21.75	21.81	21.82			
10	16QAM	25	12	21.86	21.87	21.90	23	2	
10	16QAM	25	25	21.81	21.83	21.78			
10	16QAM	50	0	21.80	21.82	21.80			
10	64QAM	1	0	21.93	22.01	21.99			
10	64QAM	1	25	22.02	21.97	21.99	23	2	
10	64QAM	1	49	21.97	21.96	22.00			
10	64QAM	25	0	20.77	20.78	20.77			
10	64QAM	25	12	20.85	20.84	20.85	22	3	
10	64QAM	25	25	20.76	20.79	20.77			
10	64QAM	50	0	20.77	20.79	20.78			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.75	23.76	23.84			
5	QPSK	1	12	23.73	23.77	23.75	25	0	
5	QPSK	1	24	23.75	23.79	23.70			
5	QPSK	12	0	22.76	22.76	22.71			
5	QPSK	12	7	22.66	22.71	22.62	24	1	
5	QPSK	12	13	22.71	22.71	22.69			
5	QPSK	25	0	22.66	22.72	22.70			
5	16QAM	1	0	22.93	23.13	23.07			
5	16QAM	1	12	22.99	23.04	23.00	24	1	
5	16QAM	1	24	22.98	23.02	22.90			
5	16QAM	12	0	21.85	21.86	21.73			
5	16QAM	12	7	21.78	21.82	21.75	23	2	
5	16QAM	12	13	21.68	21.71	21.73			
5	16QAM	25	0	21.68	21.68	21.75			
5	64QAM	1	0	21.84	21.88	21.85			
5	64QAM	1	12	21.94	21.92	21.88	23	2	
5	64QAM	1	24	21.82	21.87	21.89			
5	64QAM	12	0	20.71	20.66	20.68			
5	64QAM	12	7	20.73	20.71	20.75			
5	64QAM	12	13	20.63	20.64	20.62	22	3	
5	64QAM	25	0	20.63	20.67	20.69			



Band 42 _Ant 5

(3450-3550MHz) Part 27Q

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). It contains three main sections of channel data, each starting with a 'Channel' header and 'Frequency (MHz)' sub-header, listing various modulation types and parameters.

Band 42 _Ant 6

(3450-3550MHz) Part 27Q

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). It contains three main sections of channel data, each starting with a 'Channel' header and 'Frequency (MHz)' sub-header, listing various modulation types and parameters.



Band 42_Ant 7
(3450-3550MHz) Part 27Q

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.35	24.48	24.44	25.5	0
20	QPSK	1	49	24.28	24.32	24.30		
20	QPSK	1	99	24.30	24.31	24.25		
20	QPSK	50	0	23.38	23.44	23.38	24.5	1
20	QPSK	50	24	23.30	23.32	23.32		
20	QPSK	50	50	23.26	23.28	23.30		
20	QPSK	100	0	23.32	23.41	23.31	24.5	1
20	16QAM	1	0	23.41	23.50	23.50		
20	16QAM	1	49	23.29	23.35	23.36		
20	16QAM	1	99	23.35	23.38	23.28	23.5	2
20	16QAM	50	0	22.44	22.42	22.43		
20	16QAM	50	24	22.32	22.35	22.35		
20	16QAM	50	50	22.32	22.27	22.33	23.5	2
20	16QAM	100	0	22.32	22.31	22.29		
20	64QAM	1	0	22.23	22.23	22.19		
20	64QAM	1	49	22.04	22.08	22.08	23.5	2
20	64QAM	1	99	22.08	22.04	21.99		
20	64QAM	50	0	21.41	21.36	21.33		
20	64QAM	50	24	21.34	21.30	21.30	22.5	3
20	64QAM	50	50	21.24	21.25	21.27		
20	64QAM	100	0	21.30	21.27	21.32		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.28	24.35	24.29	25.5	0
15	QPSK	1	37	24.19	24.21	24.18		
15	QPSK	1	74	24.21	24.26	24.20		
15	QPSK	36	0	23.28	23.34	23.30	24.5	1
15	QPSK	36	20	23.25	23.22	23.21		
15	QPSK	36	39	23.13	23.20	23.17		
15	QPSK	75	0	23.25	23.31	23.17	24.5	1
15	16QAM	1	0	23.35	23.42	23.40		
15	16QAM	1	37	23.18	23.20	23.26		
15	16QAM	1	74	23.26	23.27	23.22	23.5	2
15	16QAM	36	0	22.32	22.29	22.32		
15	16QAM	36	20	22.24	22.26	22.24		
15	16QAM	36	39	22.26	22.14	22.28	23.5	2
15	16QAM	75	0	22.18	22.24	22.15		
15	64QAM	1	0	22.12	22.10	22.07		
15	64QAM	1	37	21.92	21.96	21.93	23.5	2
15	64QAM	1	74	22.01	21.96	21.90		
15	64QAM	36	0	21.31	21.24	21.21		
15	64QAM	36	20	21.26	21.17	21.19	22.5	3
15	64QAM	36	39	21.18	21.17	21.22		
15	64QAM	75	0	21.24	21.22	21.25		
Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.28	24.35	24.29	25.5	0
10	QPSK	1	25	24.16	24.22	24.15		
10	QPSK	1	49	24.17	24.16	24.11		
10	QPSK	25	0	23.24	23.29	23.28	24.5	1
10	QPSK	25	12	23.17	23.23	23.25		
10	QPSK	25	25	23.19	23.14	23.21		
10	QPSK	50	0	23.18	23.28	23.23	24.5	1
10	16QAM	1	0	23.29	23.38	23.39		
10	16QAM	1	25	23.21	23.21	23.26		
10	16QAM	1	49	23.28	23.34	23.15	23.5	2
10	16QAM	25	0	22.32	22.37	22.38		
10	16QAM	25	12	22.25	22.25	22.27		
10	16QAM	25	25	22.22	22.14	22.25	23.5	2
10	16QAM	50	0	22.27	22.20	22.21		
10	64QAM	1	0	22.09	22.14	22.09		
10	64QAM	1	25	21.94	21.99	21.92	23.5	2
10	64QAM	1	49	21.96	21.90	21.85		
10	64QAM	25	0	21.96	21.29	21.24		
10	64QAM	25	12	21.25	21.21	21.22	22.5	3
10	64QAM	25	25	21.18	21.18	21.20		
10	64QAM	50	0	21.17	21.12	21.22		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	24.28	24.42	24.36	25.5	0
5	QPSK	1	12	24.13	24.21	24.15		
5	QPSK	1	24	24.15	24.19	24.19		
5	QPSK	12	0	23.25	23.35	23.32	24.5	1
5	QPSK	12	7	23.18	23.24	23.19		
5	QPSK	12	13	23.11	23.15	23.22		
5	QPSK	25	0	23.23	23.30	23.20	24.5	1
5	16QAM	1	0	23.35	23.37	23.37		
5	16QAM	1	12	23.15	23.22	23.21		
5	16QAM	1	24	23.22	23.33	23.19	23.5	2
5	16QAM	12	0	22.39	22.28	22.32		
5	16QAM	12	7	22.24	22.25	22.25		
5	16QAM	12	13	22.25	22.13	22.21	23.5	2
5	16QAM	25	0	22.18	22.18	22.16		
5	64QAM	1	0	22.09	22.15	22.10		
5	64QAM	1	12	21.99	22.03	21.91	23.5	2
5	64QAM	1	24	21.97	21.94	21.89		
5	64QAM	12	0	21.26	21.24	21.18		
5	64QAM	12	7	21.28	21.19	21.23	22.5	3
5	64QAM	12	13	21.09	21.12	21.14		
5	64QAM	25	0	21.23	21.22	21.18		



Band 7_Ant 2

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 channel frequency and power data for Band 7_Ant 2.

Band 7_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). Contains channel frequency and power data for Band 7_Ant 4.

Band 12_Ant 0

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 channel frequency and power data for Band 12_Ant 0.



Band 17_Ant 0									
Bandwidth [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.96	24.63	24.97	25	0	
10	QPSK	1	25	24.52	24.61	24.50			
10	QPSK	1	49	24.55	24.53	24.54			
10	QPSK	25	0	23.52	23.56	23.52			
10	QPSK	25	12	23.51	23.51	23.50			
10	QPSK	25	25	23.50	23.53	23.48	24	1	
10	QPSK	50	0	23.52	23.57	23.54			
10	16QAM	1	0	23.83	23.80	23.82			
10	16QAM	1	25	23.83	23.78	23.78	24	1	
10	16QAM	1	49	23.77	23.78	23.75			
10	16QAM	25	0	22.53	22.51	22.50			
10	16QAM	25	12	22.57	22.55	22.59	23	2	
10	16QAM	25	25	22.53	22.49	22.49			
10	16QAM	50	0	22.52	22.51	22.52			
10	64QAM	1	0	22.66	22.71	22.66			
10	64QAM	1	25	22.71	22.70	22.67	23	2	
10	64QAM	1	49	22.67	22.70	22.70			
10	64QAM	25	0	21.48	21.52	21.47			
10	64QAM	25	12	21.57	21.54	21.57	22	3	
10	64QAM	25	25	21.48	21.51	21.48			
10	64QAM	50	0	21.51	21.48	21.51			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.45	24.51	24.48	25	0	
5	QPSK	1	12	24.41	24.53	24.45			
5	QPSK	1	24	24.50	24.44	24.42			
5	QPSK	12	0	23.46	23.41	23.43			
5	QPSK	12	7	23.37	23.39	23.41	24	1	
5	QPSK	12	13	23.38	23.42	23.36			
5	QPSK	25	0	23.41	23.47	23.47			
5	16QAM	1	0	23.68	23.75	23.70			
5	16QAM	1	12	23.73	23.69	23.64	24	1	
5	16QAM	1	24	23.62	23.70	23.69			
5	16QAM	12	0	22.46	22.45	22.43			
5	16QAM	12	7	22.52	22.43	22.47	23	2	
5	16QAM	12	13	22.45	22.38	22.37			
5	16QAM	25	0	22.42	22.46	22.39			
5	64QAM	1	0	22.54	22.56	22.57			
5	64QAM	1	12	22.66	22.58	22.52	23	2	
5	64QAM	1	24	22.55	22.61	22.55			
5	64QAM	12	0	21.40	21.40	21.38			
5	64QAM	12	7	21.46	21.40	21.47			
5	64QAM	12	13	21.43	21.36	21.34	22	3	
5	64QAM	25	0	21.39	21.35	21.42			

Band 17_Ant 1									
Bandwidth [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.87	23.51	23.90	25	0	
10	QPSK	1	25	23.82	23.90	23.88			
10	QPSK	1	49	23.84	23.87	23.85			
10	QPSK	25	0	22.82	22.87	22.86			
10	QPSK	25	12	22.78	22.78	22.77	24	1	
10	QPSK	25	25	22.79	22.81	22.78			
10	QPSK	50	0	22.80	22.86	22.82			
10	16QAM	1	0	23.06	23.16	23.13			
10	16QAM	1	25	23.10	23.09	23.12	24	1	
10	16QAM	1	49	23.06	23.08	23.05			
10	16QAM	25	0	21.75	21.81	21.82			
10	16QAM	25	12	21.86	21.87	21.90	23	2	
10	16QAM	25	25	21.81	21.83	21.78			
10	16QAM	50	0	21.80	21.82	21.80			
10	64QAM	1	0	21.93	22.01	21.99			
10	64QAM	1	25	22.02	21.97	21.99	23	2	
10	64QAM	1	49	21.97	21.96	22.00			
10	64QAM	25	0	20.77	20.78	20.77			
10	64QAM	25	12	20.85	20.84	20.88	22	3	
10	64QAM	25	25	20.76	20.79	20.77			
10	64QAM	50	0	20.77	20.79	20.78			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				705.5	710	713.5			
5	QPSK	1	0	23.75	23.76	23.84	25	0	
5	QPSK	1	12	23.73	23.77	23.75			
5	QPSK	1	24	23.75	23.79	23.70			
5	QPSK	12	0	22.76	22.76	22.71			
5	QPSK	12	7	22.66	22.71	22.62	24	1	
5	QPSK	12	13	22.71	22.71	22.66			
5	QPSK	25	0	22.68	22.72	22.70			
5	16QAM	1	0	22.93	23.13	23.07			
5	16QAM	1	12	22.99	23.04	23.00	24	1	
5	16QAM	1	24	22.98	23.02	22.90			
5	16QAM	12	0	21.65	21.66	21.73			
5	16QAM	12	7	21.78	21.82	21.75	23	2	
5	16QAM	12	13	21.68	21.71	21.73			
5	16QAM	25	0	21.68	21.68	21.75			
5	64QAM	1	0	21.84	21.88	21.85			
5	64QAM	1	12	21.94	21.92	21.88	23	2	
5	64QAM	1	24	21.82	21.87	21.89			
5	64QAM	12	0	20.71	20.66	20.68			
5	64QAM	12	7	20.73	20.71	20.75	22	3	
5	64QAM	12	13	20.63	20.64	20.62			
5	64QAM	25	0	20.63	20.67	20.69			



Band 41_Ant 2

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Middle Ch./Freq., Power Middle Ch./Freq., Power High Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple sub-tables for different frequencies and modulations.

Band 41_Ant 3

Table with columns: BW [MHz], Modulation, RB Size, RB Offset, Power Low Ch./Freq., Power Low Middle Ch./Freq., Power Middle Ch./Freq., Power High Middle Ch./Freq., Power High Ch./Freq., Tune-up limit (dBm), MPR (dB). Contains multiple sub-tables for different frequencies and modulations.



Band 42_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	24.35	24.48	24.44	25.5	0
20	QPSK	1	49	24.28	24.32	24.30		
20	QPSK	1	99	24.30	24.31	24.25		
20	QPSK	50	0	23.38	23.44	23.38	24.5	1
20	QPSK	50	24	23.30	23.32	23.32		
20	QPSK	50	50	23.26	23.28	23.30		
20	QPSK	100	0	23.32	23.41	23.31	24.5	1
20	16QAM	1	0	23.41	23.50	23.50		
20	16QAM	1	49	23.29	23.35	23.36		
20	16QAM	1	99	23.35	23.38	23.28	23.5	2
20	16QAM	50	0	22.44	22.42	22.43		
20	16QAM	50	24	22.32	22.35	22.35		
20	16QAM	50	50	22.32	22.27	22.33	23.5	2
20	16QAM	100	0	22.32	22.31	22.29		
20	64QAM	1	0	22.23	22.23	22.19		
20	64QAM	1	49	22.04	22.08	22.06	23.5	2
20	64QAM	1	99	22.38	22.04	21.99		
20	64QAM	50	0	21.41	21.36	21.33		
20	64QAM	50	24	21.34	21.30	21.30	22.5	3
20	64QAM	50	50	21.24	21.25	21.27		
20	64QAM	100	0	21.30	21.27	21.32		
Channel				42165	42590	43015		
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	24.28	24.35	24.29	25.5	0
15	QPSK	1	37	24.19	24.21	24.18		
15	QPSK	1	74	24.21	24.26	24.20		
15	QPSK	36	0	23.28	23.34	23.30	24.5	1
15	QPSK	36	20	23.25	23.22	23.21		
15	QPSK	36	39	23.13	23.20	23.17		
15	QPSK	75	0	23.25	23.31	23.17	24.5	1
15	16QAM	1	0	23.35	23.42	23.40		
15	16QAM	1	37	23.18	23.20	23.26		
15	16QAM	1	74	23.26	23.27	23.22	23.5	2
15	16QAM	36	0	22.32	22.29	22.32		
15	16QAM	36	20	22.24	22.26	22.24		
15	16QAM	36	39	22.26	22.14	22.28	23.5	2
15	16QAM	75	0	22.18	22.24	22.15		
15	64QAM	1	0	22.12	22.10	22.07		
15	64QAM	1	37	21.92	21.96	21.93	23.5	2
15	64QAM	1	74	22.01	21.96	21.90		
15	64QAM	36	0	21.31	21.24	21.21		
15	64QAM	36	20	21.26	21.17	21.19	22.5	3
15	64QAM	36	39	21.18	21.17	21.22		
15	64QAM	75	0	21.24	21.22	21.25		
Channel				42140	42590	43040		
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	24.28	24.35	24.29	25.5	0
10	QPSK	1	25	24.16	24.22	24.15		
10	QPSK	1	49	24.17	24.16	24.11		
10	QPSK	25	0	23.24	23.29	23.28	24.5	1
10	QPSK	25	12	23.17	23.23	23.25		
10	QPSK	25	25	23.19	23.14	23.21		
10	QPSK	50	0	23.18	23.28	23.23	24.5	1
10	16QAM	1	0	23.29	23.38	23.39		
10	16QAM	1	25	23.21	23.21	23.26		
10	16QAM	1	49	23.28	23.34	23.15	23.5	2
10	16QAM	25	0	22.32	22.37	22.38		
10	16QAM	25	12	22.25	22.25	22.27		
10	16QAM	25	25	22.22	22.14	22.25	23.5	2
10	16QAM	50	0	22.27	22.20	22.21		
10	64QAM	1	0	22.09	22.14	22.09		
10	64QAM	1	25	21.94	21.99	21.92	23.5	2
10	64QAM	1	49	21.96	21.90	21.85		
10	64QAM	25	0	21.36	21.29	21.24		
10	64QAM	25	12	21.25	21.21	21.22	22.5	3
10	64QAM	25	25	21.18	21.18	21.20		
10	64QAM	50	0	21.17	21.12	21.22		
Channel				42115	42590	43065		
Frequency (MHz)				3462.5	3500	3547.5		
5	QPSK	1	0	24.28	24.42	24.36	25.5	0
5	QPSK	1	12	24.13	24.21	24.15		
5	QPSK	1	24	24.15	24.19	24.19		
5	QPSK	12	0	23.25	23.35	23.32	24.5	1
5	QPSK	12	7	23.18	23.24	23.19		
5	QPSK	12	13	23.11	23.15	23.22		
5	QPSK	25	0	23.23	23.30	23.20	24.5	1
5	16QAM	1	0	23.35	23.37	23.37		
5	16QAM	1	12	23.15	23.22	23.21		
5	16QAM	1	24	23.22	23.33	23.19	23.5	2
5	16QAM	12	0	22.39	22.28	22.32		
5	16QAM	12	7	22.24	22.25	22.25		
5	16QAM	12	13	22.25	22.13	22.21	23.5	2
5	16QAM	25	0	22.18	22.18	22.16		
5	64QAM	1	0	22.08	22.15	22.10		
5	64QAM	1	12	21.99	22.03	21.91	23.5	2
5	64QAM	1	24	21.97	21.94	21.89		
5	64QAM	12	0	21.26	21.24	21.18		
5	64QAM	12	7	21.28	21.19	21.23	22.5	3
5	64QAM	12	13	21.09	21.12	21.14		
5	64QAM	25	0	21.23	21.22	21.18		



Band 17_Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.96	24.63	24.97	25	0	
10	QPSK	1	25	24.52	24.61	24.50			
10	QPSK	1	49	24.55	24.53	24.54			
10	QPSK	25	0	23.52	23.56	23.52			
10	QPSK	25	12	23.51	23.51	23.50			
10	QPSK	25	25	23.50	23.53	23.48	24	1	
10	QPSK	50	0	23.52	23.57	23.54			
10	16QAM	1	0	23.83	23.80	23.82			
10	16QAM	1	25	23.83	23.78	23.78	24	1	
10	16QAM	1	49	23.77	23.78	23.75			
10	16QAM	25	0	22.53	22.51	22.50			
10	16QAM	25	12	22.57	22.55	22.59	23	2	
10	16QAM	25	25	22.53	22.49	22.49			
10	16QAM	50	0	22.52	22.51	22.52			
10	64QAM	1	0	22.66	22.71	22.66			
10	64QAM	1	25	22.71	22.70	22.67	23	2	
10	64QAM	1	49	22.67	22.70	22.70			
10	64QAM	25	0	21.48	21.52	21.47			
10	64QAM	25	12	21.57	21.54	21.57	22	3	
10	64QAM	25	25	21.48	21.51	21.48			
10	64QAM	50	0	21.51	21.48	21.51			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.45	24.51	24.48	25	0	
5	QPSK	1	12	24.41	24.53	24.45			
5	QPSK	1	24	24.50	24.44	24.42			
5	QPSK	12	0	23.46	23.41	23.43			
5	QPSK	12	7	23.37	23.39	23.41	24	1	
5	QPSK	12	13	23.38	23.42	23.36			
5	QPSK	25	0	23.41	23.47	23.47			
5	16QAM	1	0	23.68	23.75	23.70			
5	16QAM	1	12	23.73	23.69	23.64	24	1	
5	16QAM	1	24	23.62	23.70	23.69			
5	16QAM	12	0	22.46	22.45	22.43			
5	16QAM	12	7	22.52	22.43	22.47	23	2	
5	16QAM	12	13	22.45	22.38	22.37			
5	16QAM	25	0	22.42	22.46	22.39			
5	64QAM	1	0	22.54	22.56	22.57			
5	64QAM	1	12	22.66	22.58	22.52	23	2	
5	64QAM	1	24	22.55	22.61	22.55			
5	64QAM	12	0	21.40	21.40	21.38			
5	64QAM	12	7	21.46	21.40	21.47			
5	64QAM	12	13	21.43	21.36	21.34	22	3	
5	64QAM	25	0	21.39	21.35	21.42			

Band 17_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				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.87	23.51	23.90	25	0	
10	QPSK	1	25	23.82	23.90	23.88			
10	QPSK	1	49	23.84	23.87	23.85			
10	QPSK	25	0	22.82	22.87	22.86			
10	QPSK	25	12	22.78	22.78	22.77	24	1	
10	QPSK	25	25	22.79	22.81	22.78			
10	QPSK	50	0	22.80	22.86	22.82			
10	16QAM	1	0	23.06	23.16	23.13			
10	16QAM	1	25	23.10	23.09	23.12	24	1	
10	16QAM	1	49	23.06	23.08	23.05			
10	16QAM	25	0	21.75	21.81	21.82			
10	16QAM	25	12	21.86	21.87	21.90	23	2	
10	16QAM	25	25	21.81	21.83	21.78			
10	16QAM	50	0	21.80	21.82	21.80			
10	64QAM	1	0	21.93	22.01	21.99			
10	64QAM	1	25	22.02	21.97	21.99	23	2	
10	64QAM	1	49	21.97	21.96	22.00			
10	64QAM	25	0	20.77	20.78	20.77			
10	64QAM	25	12	20.85	20.84	20.88	22	3	
10	64QAM	25	25	20.76	20.79	20.77			
10	64QAM	50	0	20.77	20.79	20.78			
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				705.5	710	713.5			
5	QPSK	1	0	23.75	23.76	23.84	25	0	
5	QPSK	1	12	23.73	23.77	23.75			
5	QPSK	1	24	23.75	23.79	23.70			
5	QPSK	12	0	22.76	22.76	22.71			
5	QPSK	12	7	22.66	22.71	22.62	24	1	
5	QPSK	12	13	22.71	22.71	22.66			
5	QPSK	25	0	22.68	22.72	22.70			
5	16QAM	1	0	22.93	23.13	23.07			
5	16QAM	1	12	22.99	23.04	23.00	24	1	
5	16QAM	1	24	22.98	23.02	22.90			
5	16QAM	12	0	21.65	21.66	21.73			
5	16QAM	12	7	21.78	21.82	21.75	23	2	
5	16QAM	12	13	21.68	21.71	21.73			
5	16QAM	25	0	21.68	21.68	21.75			
5	64QAM	1	0	21.84	21.88	21.85			
5	64QAM	1	12	21.94	21.92	21.88	23	2	
5	64QAM	1	24	21.82	21.87	21.89			
5	64QAM	12	0	20.71	20.66	20.68			
5	64QAM	12	7	20.73	20.71	20.75	22	3	
5	64QAM	12	13	20.63	20.64	20.62			
5	64QAM	25	0	20.63	20.67	20.69			



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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.87	16.95	16.90	18	0		
20	QPSK	1	49	16.75	16.89	16.89				
20	QPSK	1	99	16.82	16.84	16.86				
20	QPSK	50	0	16.79	16.88	16.85				
20	QPSK	50	24	16.78	16.83	16.83				
20	QPSK	50	50	16.67	16.81	16.82				
20	QPSK	100	0	16.73	16.80	16.79				
20	16QAM	1	0	16.78	16.94	16.80				
20	16QAM	1	49	16.66	16.77	16.84				
20	16QAM	1	99	16.76	16.78	16.76				
20	16QAM	50	0	16.75	16.78	16.84	18	0		
20	16QAM	50	24	16.69	16.74	16.82				
20	16QAM	50	50	16.55	16.80	16.76				
20	16QAM	100	0	16.67	16.72	16.76				
20	64QAM	1	0	16.81	16.85	16.83				
20	64QAM	1	49	16.72	16.78	16.82				
20	64QAM	1	99	16.71	16.83	16.77				
20	64QAM	50	0	16.78	16.74	16.81				
20	64QAM	50	24	16.68	16.81	16.71				
20	64QAM	50	50	16.55	16.71	16.71				
20	64QAM	100	0	16.63	16.79	16.70	18	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.75	16.87	16.86			18	0
15	QPSK	1	37	16.68	16.82	16.80				
15	QPSK	1	74	16.71	16.77	16.84				
15	QPSK	36	0	16.77	16.81	16.75				
15	QPSK	36	20	16.76	16.76	16.74				
15	QPSK	36	39	16.58	16.79	16.73				
15	QPSK	75	0	16.82	16.68	16.69				
15	16QAM	1	0	16.68	16.92	16.75				
15	16QAM	1	37	16.55	16.67	16.74				
15	16QAM	1	74	16.74	16.71	16.71				
15	16QAM	36	0	16.71	16.69	16.72	18	0		
15	16QAM	36	20	16.64	16.67	16.77				
15	16QAM	36	39	16.48	16.77	16.75				
15	16QAM	75	0	16.59	16.65	16.70				
15	64QAM	1	0	16.78	16.74	16.76				
15	64QAM	1	37	16.64	16.75	16.77				
15	64QAM	1	74	16.64	16.78	16.75				
15	64QAM	36	0	16.77	16.64	16.80				
15	64QAM	36	20	16.57	16.78	16.69				
15	64QAM	36	39	16.45	16.70	16.65				
15	64QAM	75	0	16.62	16.76	16.69	18	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.82	16.89	16.78			18	0
10	QPSK	1	25	16.66	16.82	16.82				
10	QPSK	1	49	16.78	16.74	16.84				
10	QPSK	25	0	16.68	16.85	16.75				
10	QPSK	25	12	16.71	16.73	16.74				
10	QPSK	25	25	16.56	16.69	16.79				
10	QPSK	50	0	16.65	16.79	16.77				
10	16QAM	1	0	16.68	16.93	16.76				
10	16QAM	1	25	16.64	16.69	16.74				
10	16QAM	1	49	16.73	16.75	16.69				
10	16QAM	25	0	16.67	16.65	16.72	18	0		
10	16QAM	25	12	16.59	16.68	16.75				
10	16QAM	25	25	16.49	16.71	16.69				
10	16QAM	50	0	16.64	16.68	16.66				
10	64QAM	1	0	16.77	16.77	16.79				
10	64QAM	1	25	16.66	16.70	16.72				
10	64QAM	1	49	16.67	16.72	16.71				
10	64QAM	25	0	16.77	16.68	16.73				
10	64QAM	25	12	16.58	16.77	16.59				
10	64QAM	25	25	16.44	16.61	16.67				
10	64QAM	50	0	16.53	16.73	16.64	18	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.80	16.88	16.78			18	0
5	QPSK	1	12	16.65	16.84	16.86				
5	QPSK	1	24	16.73	16.83	16.76				
5	QPSK	12	0	16.70	16.83	16.84				
5	QPSK	12	7	16.77	16.73	16.74				
5	QPSK	12	13	16.56	16.78	16.76				
5	QPSK	25	0	16.62	16.70	16.78				
5	16QAM	1	0	16.72	16.92	16.70				
5	16QAM	1	12	16.59	16.73	16.80				
5	16QAM	1	24	16.67	16.66	16.71				
5	16QAM	12	0	16.64	16.70	16.83	18	0		
5	16QAM	12	7	16.60	16.65	16.71				
5	16QAM	12	13	16.48	16.70	16.66				
5	16QAM	25	0	16.61	16.61	16.64				
5	64QAM	1	0	16.75	16.75	16.71				
5	64QAM	1	12	16.69	16.74	16.72				
5	64QAM	1	24	16.63	16.81	16.73				
5	64QAM	12	0	16.71	16.66	16.75				
5	64QAM	12	7	16.58	16.74	16.70				
5	64QAM	12	13	16.50	16.61	16.60				
5	64QAM	25	0	16.61	16.72	16.67				



Band 17_Ant 0									
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.55	24.63	24.57	25	0	
10	QPSK	1	25	24.52	24.61	24.50			
10	QPSK	1	49	24.55	24.63	24.54			
10	QPSK	25	0	23.52	23.59	23.52	24	1	
10	QPSK	25	12	23.51	23.51	23.50			
10	QPSK	25	25	23.50	23.53	23.48			
10	QPSK	50	0	23.52	23.57	23.54	24	1	
10	16QAM	1	0	23.83	23.80	23.82			
10	16QAM	1	25	23.83	23.78	23.76			
10	16QAM	1	49	23.77	23.78	23.75	23	2	
10	16QAM	25	0	22.53	22.51	22.50			
10	16QAM	25	12	22.57	22.55	22.59			
10	16QAM	25	25	22.53	22.49	22.49	23	2	
10	16QAM	50	0	22.52	22.51	22.52			
10	64QAM	1	0	22.86	22.71	22.88			
10	64QAM	1	25	22.71	22.70	22.67	22	3	
10	64QAM	1	49	22.67	22.70	22.70			
10	64QAM	25	0	21.48	21.52	21.47			
10	64QAM	25	12	21.57	21.54	21.57	25	0	
10	64QAM	25	25	21.48	21.51	21.49			
10	64QAM	50	0	21.51	21.48	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.45	24.51	24.48	24	1	
5	QPSK	1	12	24.41	24.53	24.45			
5	QPSK	1	24	24.50	24.44	24.42			
5	QPSK	12	0	23.46	23.41	23.43	23	2	
5	QPSK	12	7	23.37	23.39	23.41			
5	QPSK	12	13	23.38	23.42	23.38			
5	QPSK	25	0	23.41	23.47	23.47	22	3	
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.73	23.89	23.84			
5	16QAM	1	24	23.62	23.70	23.69	23	2	
5	16QAM	12	0	22.46	22.45	22.43			
5	16QAM	12	7	22.52	22.43	22.47			
5	16QAM	12	13	22.45	22.38	22.37	23	2	
5	16QAM	25	0	22.42	22.46	22.39			
5	64QAM	1	0	22.54	22.56	22.57			
5	64QAM	1	12	22.66	22.58	22.52	22	3	
5	64QAM	1	24	22.55	22.61	22.55			
5	64QAM	12	0	21.40	21.40	21.38			
5	64QAM	12	7	21.46	21.40	21.47	22	3	
5	64QAM	12	13	21.43	21.36	21.34			
5	64QAM	25	0	21.39	21.35	21.42			

Band 17_Ant 1									
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.87	23.91	23.85	25	0	
10	QPSK	1	25	23.82	23.90	23.88			
10	QPSK	1	49	23.84	23.87	23.85			
10	QPSK	25	0	22.82	22.87	22.86	24	1	
10	QPSK	25	12	22.78	22.78	22.77			
10	QPSK	25	25	22.79	22.81	22.78			
10	QPSK	50	0	22.80	22.85	22.82	24	1	
10	16QAM	1	0	23.06	23.18	23.13			
10	16QAM	1	25	23.10	23.09	23.12			
10	16QAM	1	49	23.06	23.08	23.05	23	2	
10	16QAM	25	0	21.75	21.61	21.82			
10	16QAM	25	12	21.86	21.87	21.90			
10	16QAM	25	25	21.81	21.83	21.78	23	2	
10	16QAM	50	0	21.80	21.82	21.80			
10	64QAM	1	0	21.93	22.01	21.99			
10	64QAM	1	25	22.02	21.97	21.99	22	3	
10	64QAM	1	49	21.97	21.96	22.00			
10	64QAM	25	0	20.77	20.78	20.77			
10	64QAM	25	12	20.85	20.84	20.88	25	0	
10	64QAM	25	25	20.76	20.79	20.77			
10	64QAM	50	0	20.77	20.79	20.78			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.75	23.76	23.84	24	1	
5	QPSK	1	12	23.73	23.77	23.75			
5	QPSK	1	24	23.75	23.79	23.70			
5	QPSK	12	0	22.76	22.76	22.71	23	2	
5	QPSK	12	7	22.86	22.71	22.62			
5	QPSK	12	13	22.71	22.71	22.69			
5	QPSK	25	0	22.66	22.72	22.70	22	3	
5	16QAM	1	0	22.93	23.13	23.07			
5	16QAM	1	12	22.99	23.04	23.00			
5	16QAM	1	24	22.98	23.02	22.90	23	2	
5	16QAM	12	0	21.85	21.86	21.73			
5	16QAM	12	7	21.78	21.82	21.75			
5	16QAM	12	13	21.68	21.71	21.73	23	2	
5	16QAM	25	0	21.68	21.68	21.75			
5	64QAM	1	0	21.84	21.88	21.85			
5	64QAM	1	12	21.94	21.92	21.88	22	3	
5	64QAM	1	24	21.82	21.87	21.89			
5	64QAM	12	0	20.71	20.65	20.65			
5	64QAM	12	7	20.73	20.71	20.75	22	3	
5	64QAM	12	13	20.63	20.64	20.62			
5	64QAM	25	0	20.63	20.67	20.69			



Band 42_Ant 7

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)			
Channel								
Frequency (MHz)								
20	QPSK	1	0	19.65	19.83	19.77	21	0
20	QPSK	1	49	19.58	19.73	19.73		
20	QPSK	1	99	19.61	19.65	19.72		
20	QPSK	50	0	19.64	19.75	19.73		
20	QPSK	50	24	19.56	19.63	19.71		
20	QPSK	50	50	19.45	19.61	19.61		
20	QPSK	100	0	19.54	19.69	19.58		
20	16QAM	1	0	19.80	19.74	19.66		
20	16QAM	1	49	19.49	19.63	19.72		
20	16QAM	1	99	19.50	19.57	19.68		
20	16QAM	50	0	19.53	19.64	19.66		
20	16QAM	50	24	19.51	19.60	19.59		
20	16QAM	50	50	19.34	19.53	19.53		
20	16QAM	100	0	19.45	19.59	19.54		
20	64QAM	1	0	19.64	19.73	19.69		
20	64QAM	1	49	19.51	19.71	19.69		
20	64QAM	1	99	19.50	19.55	19.65		
20	64QAM	50	0	19.53	19.73	19.72		
20	64QAM	50	24	19.55	19.58	19.67		
20	64QAM	50	50	19.43	19.52	19.57		
20	64QAM	100	0	19.47	19.64	19.50		
Channel								
Frequency (MHz)								
15	QPSK	1	0	19.53	19.79	19.69	21	0
15	QPSK	1	37	19.51	19.64	19.67		
15	QPSK	1	74	19.54	19.56	19.66		
15	QPSK	36	0	19.56	19.70	19.72		
15	QPSK	36	20	19.51	19.52	19.66		
15	QPSK	36	39	19.37	19.56	19.60		
15	QPSK	75	0	19.43	19.66	19.48		
15	16QAM	1	0	19.59	19.69	19.56		
15	16QAM	1	37	19.38	19.61	19.68		
15	16QAM	1	74	19.48	19.47	19.67		
15	16QAM	36	0	19.44	19.60	19.59		
15	16QAM	36	20	19.46	19.56	19.48		
15	16QAM	36	39	19.31	19.45	19.50		
15	16QAM	75	0	19.42	19.48	19.42		
15	64QAM	1	0	19.54	19.62	19.66		
15	64QAM	1	37	19.40	19.61	19.68		
15	64QAM	1	74	19.49	19.47	19.63		
15	64QAM	36	0	19.50	19.68	19.70		
15	64QAM	36	20	19.49	19.47	19.61		
15	64QAM	36	39	19.36	19.42	19.51		
15	64QAM	75	0	19.40	19.58	19.47		
Channel								
Frequency (MHz)								
10	QPSK	1	0	19.56	19.74	19.65	21	0
10	QPSK	1	25	19.56	19.72	19.68		
10	QPSK	1	49	19.53	19.63	19.71		
10	QPSK	25	0	19.55	19.67	19.72		
10	QPSK	25	12	19.51	19.59	19.61		
10	QPSK	25	25	19.33	19.50	19.55		
10	QPSK	50	0	19.51	19.59	19.55		
10	16QAM	1	0	19.50	19.73	19.59		
10	16QAM	1	25	19.41	19.57	19.71		
10	16QAM	1	49	19.41	19.45	19.68		
10	16QAM	25	0	19.49	19.54	19.50		
10	16QAM	25	12	19.40	19.54	19.48		
10	16QAM	25	25	19.32	19.42	19.47		
10	16QAM	50	0	19.41	19.54	19.43		
10	64QAM	1	0	19.61	19.69	19.59		
10	64QAM	1	25	19.48	19.62	19.58		
10	64QAM	1	49	19.46	19.54	19.55		
10	64QAM	25	0	19.41	19.61	19.71		
10	64QAM	25	12	19.43	19.57	19.56		
10	64QAM	25	25	19.36	19.44	19.52		
10	64QAM	50	0	19.40	19.56	19.42		
Channel								
Frequency (MHz)								
5	QPSK	1	0	19.53	19.72	19.68	21	0
5	QPSK	1	12	19.57	19.72	19.61		
5	QPSK	1	24	19.54	19.59	19.70		
5	QPSK	12	0	19.53	19.73	19.63		
5	QPSK	12	7	19.44	19.54	19.69		
5	QPSK	12	13	19.40	19.57	19.58		
5	QPSK	25	0	19.52	19.60	19.53		
5	16QAM	1	0	19.61	19.71	19.66		
5	16QAM	1	12	19.37	19.59	19.71		
5	16QAM	1	24	19.39	19.56	19.63		
5	16QAM	12	0	19.41	19.61	19.65		
5	16QAM	12	7	19.44	19.58	19.58		
5	16QAM	12	13	19.26	19.43	19.46		
5	16QAM	25	0	19.38	19.56	19.45		
5	64QAM	1	0	19.57	19.65	19.65		
5	64QAM	1	12	19.41	19.67	19.57		
5	64QAM	1	24	19.44	19.46	19.57		
5	64QAM	12	0	19.49	19.66	19.66		
5	64QAM	12	7	19.48	19.54	19.62		
5	64QAM	12	13	19.38	19.49	19.54		
5	64QAM	25	0	19.37	19.59	19.46		



Band 17_Ant 0									
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	24.55	24.63	24.57	25	0	
10	QPSK	1	25	24.52	24.61	24.50			
10	QPSK	1	49	24.55	24.63	24.54			
10	QPSK	25	0	23.52	23.59	23.52	24	1	
10	QPSK	25	12	23.51	23.51	23.50			
10	QPSK	25	25	23.50	23.53	23.48			
10	QPSK	50	0	23.52	23.57	23.54	24	1	
10	16QAM	1	0	23.83	23.80	23.82			
10	16QAM	1	25	23.83	23.78	23.76			
10	16QAM	1	49	23.77	23.78	23.75	23	2	
10	16QAM	25	0	22.53	22.51	22.50			
10	16QAM	25	12	22.57	22.55	22.59			
10	16QAM	25	25	22.53	22.49	22.49	23	2	
10	16QAM	50	0	22.52	22.51	22.52			
10	64QAM	1	0	22.86	22.71	22.88			
10	64QAM	1	25	22.71	22.70	22.67	22	3	
10	64QAM	1	49	22.67	22.70	22.70			
10	64QAM	25	0	21.48	21.52	21.47			
10	64QAM	25	12	21.57	21.54	21.57	25	0	
10	64QAM	25	25	21.48	21.51	21.49			
10	64QAM	50	0	21.51	21.48	21.51			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	24.45	24.51	24.48	24	1	
5	QPSK	1	12	24.41	24.53	24.45			
5	QPSK	1	24	24.50	24.44	24.42			
5	QPSK	12	0	23.46	23.41	23.43	23	2	
5	QPSK	12	7	23.37	23.39	23.41			
5	QPSK	12	13	23.38	23.42	23.38			
5	QPSK	25	0	23.41	23.47	23.47	22	3	
5	16QAM	1	0	23.88	23.75	23.70			
5	16QAM	1	12	23.73	23.89	23.84			
5	16QAM	1	24	23.62	23.70	23.69	23	2	
5	16QAM	12	0	22.46	22.45	22.43			
5	16QAM	12	7	22.52	22.43	22.47			
5	16QAM	12	13	22.45	22.38	22.37	23	2	
5	16QAM	25	0	22.42	22.46	22.39			
5	64QAM	1	0	22.54	22.56	22.57			
5	64QAM	1	12	22.66	22.58	22.52	22	3	
5	64QAM	1	24	22.55	22.61	22.55			
5	64QAM	12	0	21.40	21.40	21.38			
5	64QAM	12	7	21.46	21.40	21.47	22	3	
5	64QAM	12	13	21.43	21.36	21.34			
5	64QAM	25	0	21.39	21.35	21.42			

Band 17_Ant 1									
Band	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711			
10	QPSK	1	0	23.87	23.91	23.85	25	0	
10	QPSK	1	25	23.82	23.90	23.88			
10	QPSK	1	49	23.84	23.87	23.85			
10	QPSK	25	0	22.82	22.87	22.86	24	1	
10	QPSK	25	12	22.78	22.78	22.77			
10	QPSK	25	25	22.79	22.81	22.78			
10	QPSK	50	0	22.80	22.85	22.82	24	1	
10	16QAM	1	0	23.06	23.18	23.13			
10	16QAM	1	25	23.10	23.09	23.12			
10	16QAM	1	49	23.06	23.08	23.05	23	2	
10	16QAM	25	0	21.75	21.61	21.82			
10	16QAM	25	12	21.86	21.87	21.90			
10	16QAM	25	25	21.81	21.83	21.78	23	2	
10	16QAM	50	0	21.80	21.82	21.80			
10	64QAM	1	0	21.93	22.01	21.99			
10	64QAM	1	25	22.02	21.97	21.99	22	3	
10	64QAM	1	49	21.97	21.96	22.00			
10	64QAM	25	0	20.77	20.78	20.77			
10	64QAM	25	12	20.85	20.84	20.88	25	0	
10	64QAM	25	25	20.76	20.79	20.77			
10	64QAM	50	0	20.77	20.79	20.78			
Channel				23755	23790	23825			
Frequency (MHz)				706.5	710	713.5			
5	QPSK	1	0	23.75	23.76	23.84	24	1	
5	QPSK	1	12	23.73	23.77	23.75			
5	QPSK	1	24	23.75	23.79	23.70			
5	QPSK	12	0	22.76	22.76	22.71	23	2	
5	QPSK	12	7	22.86	22.71	22.62			
5	QPSK	12	13	22.71	22.71	22.69			
5	QPSK	25	0	22.66	22.72	22.70	22	3	
5	16QAM	1	0	22.93	23.13	23.07			
5	16QAM	1	12	22.99	23.04	23.00			
5	16QAM	1	24	22.98	23.02	22.90	23	2	
5	16QAM	12	0	21.85	21.86	21.73			
5	16QAM	12	7	21.78	21.82	21.75			
5	16QAM	12	13	21.68	21.71	21.73	23	2	
5	16QAM	25	0	21.68	21.68	21.75			
5	64QAM	1	0	21.84	21.88	21.85			
5	64QAM	1	12	21.94	21.92	21.88	22	3	
5	64QAM	1	24	21.82	21.87	21.89			
5	64QAM	12	0	20.71	20.65	20.65			
5	64QAM	12	7	20.73	20.71	20.75	22	3	
5	64QAM	12	13	20.63	20.64	20.62			
5	64QAM	25	0	20.63	20.67	20.69			



Band 41_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). Contains multiple channel and frequency entries for various modulation types like QPSK, 16QAM, 64QAM.

Band 42_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 multiple channel and frequency entries for various modulation types like QPSK, 16QAM, 64QAM.



Band 42_Ant 7

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)					
Channel										
Frequency (MHz)										
20	QPSK	1	0	16.72	16.80	16.75	17.5	0		
20	QPSK	1	49	16.60	16.74	16.74				
20	QPSK	1	99	16.67	16.69	16.71				
20	QPSK	50	0	16.64	16.71	16.70				
20	QPSK	50	24	16.63	16.68	16.68				
20	QPSK	50	50	16.52	16.66	16.67				
20	QPSK	100	0	16.58	16.65	16.64				
20	16QAM	1	0	16.63	16.79	16.65				
20	16QAM	1	49	16.51	16.62	16.69				
20	16QAM	1	99	16.61	16.63	16.61				
20	16QAM	50	0	16.60	16.61	16.69	17.5	0		
20	16QAM	50	24	16.54	16.59	16.67				
20	16QAM	50	50	16.40	16.65	16.61				
20	16QAM	100	0	16.52	16.57	16.61				
20	64QAM	1	0	16.66	16.70	16.68				
20	64QAM	1	49	16.57	16.63	16.67				
20	64QAM	1	99	16.56	16.68	16.62				
20	64QAM	50	0	16.63	16.59	16.66				
20	64QAM	50	24	16.53	16.66	16.56				
20	64QAM	50	50	16.40	16.56	16.56				
20	64QAM	100	0	16.48	16.64	16.55	17.5	0		
Channel										
Frequency (MHz)										
15	QPSK	1	0	16.60	16.72	16.73			17.5	0
15	QPSK	1	37	16.51	16.67	16.65				
15	QPSK	1	74	16.56	16.62	16.69				
15	QPSK	36	0	16.62	16.66	16.60				
15	QPSK	36	20	16.61	16.61	16.59				
15	QPSK	36	39	16.43	16.64	16.58				
15	QPSK	75	0	16.47	16.53	16.54				
15	16QAM	1	0	16.53	16.77	16.60				
15	16QAM	1	37	16.40	16.52	16.59				
15	16QAM	1	74	16.59	16.56	16.56				
15	16QAM	36	0	16.56	16.53	16.57	17.5	0		
15	16QAM	36	20	16.49	16.52	16.62				
15	16QAM	36	39	16.33	16.62	16.60				
15	16QAM	75	0	16.44	16.50	16.55				
15	64QAM	1	0	16.63	16.59	16.61				
15	64QAM	1	37	16.49	16.60	16.62				
15	64QAM	1	74	16.49	16.63	16.60				
15	64QAM	36	0	16.62	16.49	16.65				
15	64QAM	36	20	16.42	16.63	16.54				
15	64QAM	36	39	16.30	16.55	16.50				
15	64QAM	75	0	16.47	16.61	16.54	17.5	0		
Channel										
Frequency (MHz)										
10	QPSK	1	0	16.67	16.74	16.63			17.5	0
10	QPSK	1	25	16.51	16.67	16.67				
10	QPSK	1	49	16.63	16.59	16.69				
10	QPSK	25	0	16.53	16.70	16.60				
10	QPSK	25	12	16.56	16.63	16.59				
10	QPSK	25	25	16.41	16.54	16.64				
10	QPSK	50	0	16.50	16.64	16.62				
10	16QAM	1	0	16.53	16.78	16.61				
10	16QAM	1	25	16.49	16.54	16.59				
10	16QAM	1	49	16.58	16.60	16.54				
10	16QAM	25	0	16.52	16.50	16.57	17.5	0		
10	16QAM	25	12	16.44	16.53	16.60				
10	16QAM	25	25	16.34	16.56	16.54				
10	16QAM	50	0	16.49	16.53	16.51				
10	64QAM	1	0	16.62	16.62	16.64				
10	64QAM	1	25	16.51	16.55	16.57				
10	64QAM	1	49	16.52	16.57	16.56				
10	64QAM	25	0	16.62	16.53	16.58				
10	64QAM	25	12	16.43	16.62	16.44				
10	64QAM	25	25	16.29	16.46	16.52				
10	64QAM	50	0	16.38	16.58	16.49	17.5	0		
Channel										
Frequency (MHz)										
5	QPSK	1	0	16.65	16.73	16.63			17.5	0
5	QPSK	1	12	16.50	16.69	16.73				
5	QPSK	1	24	16.58	16.68	16.61				
5	QPSK	12	0	16.55	16.68	16.69				
5	QPSK	12	7	16.62	16.58	16.59				
5	QPSK	12	13	16.41	16.63	16.61				
5	QPSK	25	0	16.47	16.55	16.63				
5	16QAM	1	0	16.57	16.77	16.56				
5	16QAM	1	12	16.44	16.58	16.65				
5	16QAM	1	24	16.52	16.51	16.56				
5	16QAM	12	0	16.49	16.55	16.68	17.5	0		
5	16QAM	12	7	16.45	16.50	16.56				
5	16QAM	12	13	16.33	16.55	16.51				
5	16QAM	25	0	16.46	16.46	16.49				
5	64QAM	1	0	16.60	16.60	16.56				
5	64QAM	1	12	16.54	16.59	16.57				
5	64QAM	1	24	16.48	16.66	16.58				
5	64QAM	12	0	16.56	16.51	16.60				
5	64QAM	12	7	16.43	16.59	16.55				
5	64QAM	12	13	16.35	16.46	16.45				
5	64QAM	25	0	16.36	16.57	16.52				



UL CA Power

CA_41C_Ant 1 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	full	22.82	24.50
40185	40383	QPSK	1	0	0	0	1	0	full	22.74	24.50
40620	40818	QPSK	1	0	0	0	1	0	full	22.64	24.50
41055	41253	QPSK	1	0	0	0	1	0	full	22.75	24.50
41490	41292	QPSK	1	0	0	0	1	0	full	22.80	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI 0	19.92	21.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 0	19.83	21.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 0	19.67	21.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 0	19.85	21.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 0	19.91	21.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 1	21.45	23.00
40185	40383	QPSK	1	0	0	0	1	0	DSI 1	21.23	23.00
40620	40818	QPSK	1	0	0	0	1	0	DSI 1	21.08	23.00
41055	41253	QPSK	1	0	0	0	1	0	DSI 1	21.27	23.00
41490	41292	QPSK	1	0	0	0	1	0	DSI 1	21.44	23.00
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	22.82	24.50
40185	40383	QPSK	1	0	0	0	1	0	DSI 3	22.74	24.50
40620	40818	QPSK	1	0	0	0	1	0	DSI 3	22.64	24.50
41055	41253	QPSK	1	0	0	0	1	0	DSI 3	22.75	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	22.75	24.50
39750	39948	QPSK	50	0	0	0	1	0	DSI 4	19.92	21.00
40185	40383	QPSK	50	0	0	0	1	0	DSI 4	19.83	21.00
40620	40818	QPSK	50	0	0	0	1	0	DSI 4	19.67	21.00
41055	41253	QPSK	50	0	0	0	1	0	DSI 4	19.85	21.00
41490	41292	QPSK	50	0	0	0	1	0	DSI 4	19.91	21.00

CA_41C_Ant 2 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	full	24.00	25.70
40185	40383	QPSK	1	0	0	0	1	0	full	23.84	25.70
40620	40818	QPSK	1	0	0	0	1	0	full	24.26	25.70
41055	41253	QPSK	1	0	0	0	1	0	full	24.04	25.70
41490	41292	QPSK	1	0	0	0	1	0	full	24.24	25.70
39750	39948	QPSK	1	0	0	0	1	0	DSI 0	24.00	25.70
40185	40383	QPSK	1	0	0	0	1	0	DSI 0	23.84	25.70
40620	40818	QPSK	1	0	0	0	1	0	DSI 0	24.26	25.70
41055	41253	QPSK	1	0	0	0	1	0	DSI 0	24.04	25.70
41490	41292	QPSK	1	0	0	0	1	0	DSI 0	24.24	25.70
39750	39948	QPSK	1	0	0	0	1	0	DSI 1	22.52	24.20
40185	40383	QPSK	1	0	0	0	1	0	DSI 1	22.31	24.20
40620	40818	QPSK	1	0	0	0	1	0	DSI 1	22.79	24.20
41055	41253	QPSK	1	0	0	0	1	0	DSI 1	22.51	24.20
41490	41292	QPSK	1	0	0	0	1	0	DSI 1	22.77	24.20
39750	39948	QPSK	1	0	0	0	1	0	DSI 3	24.00	25.70
40185	40383	QPSK	1	0	0	0	1	0	DSI 3	23.84	25.70
40620	40818	QPSK	1	0	0	0	1	0	DSI 3	24.26	25.70
41055	41253	QPSK	1	0	0	0	1	0	DSI 3	24.04	25.70
41490	41292	QPSK	1	0	0	0	1	0	DSI 3	24.24	25.70
39750	39948	QPSK	1	0	0	0	1	0	DSI 4	22.52	24.20
40185	40383	QPSK	1	0	0	0	1	0	DSI 4	22.31	24.20
40620	40818	QPSK	1	0	0	0	1	0	DSI 4	22.79	24.20
41055	41253	QPSK	1	0	0	0	1	0	DSI 4	22.51	24.20
41490	41292	QPSK	1	0	0	0	1	0	DSI 4	22.77	24.20



CA_41C_Ant 3 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	full	22.67	24.50
40185	40383	QPSK	1	0	0	0	1	0	full	22.74	24.50
40620	40818	QPSK	1	0	0	0	1	0	full	22.57	24.50
41055	41253	QPSK	1	0	0	0	1	0	full	22.53	24.50
41490	41292	QPSK	1	0	0	0	1	0	full	22.53	24.50
39750	39948	QPSK	1	0	0	0	1	0	DSI0	21.13	23.00
40185	40383	QPSK	1	0	0	0	1	0	DSI0	21.18	23.00
40620	40818	QPSK	1	0	0	0	1	0	DSI0	21.03	23.00
41055	41253	QPSK	1	0	0	0	1	0	DSI0	21.05	23.00
41490	41292	QPSK	1	0	0	0	1	0	DSI0	21.00	23.00
39750	39948	QPSK	1	0	0	0	1	0	DSI1	22.15	24.00
40185	40383	QPSK	1	0	0	0	1	0	DSI1	22.05	24.00
40620	40818	QPSK	1	0	0	0	1	0	DSI1	22.19	24.00
41055	41253	QPSK	1	0	0	0	1	0	DSI1	22.03	24.00
41490	41292	QPSK	1	0	0	0	1	0	DSI1	22.05	24.00
39750	39948	QPSK	1	0	0	0	1	0	DSI3	22.67	24.50
40185	40383	QPSK	1	0	0	0	1	0	DSI3	22.74	24.50
40620	40818	QPSK	1	0	0	0	1	0	DSI3	22.57	24.50
41055	41253	QPSK	1	0	0	0	1	0	DSI3	22.53	24.50
41490	41292	QPSK	1	0	0	0	1	0	DSI3	22.53	24.50
39750	39948	QPSK	50	0	0	0	1	0	DSI4	21.13	23.00
40185	40383	QPSK	50	0	0	0	1	0	DSI4	21.18	23.00
40620	40818	QPSK	50	0	0	0	1	0	DSI4	21.03	23.00
41055	41253	QPSK	50	0	0	0	1	0	DSI4	21.05	23.00
41490	41292	QPSK	50	0	0	0	1	0	DSI4	21.00	23.00

CA_41C_Ant 4 Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	full	24.67	25.70
40185	40383	QPSK	1	0	0	0	1	0	full	24.34	25.70
40620	40818	QPSK	1	0	0	0	1	0	full	24.73	25.70
41055	41253	QPSK	1	0	0	0	1	0	full	24.53	25.70
41490	41292	QPSK	1	0	0	0	1	0	full	24.71	25.70
39750	39948	QPSK	1	0	0	0	1	0	DSI0	20.95	22.20
40185	40383	QPSK	1	0	0	0	1	0	DSI0	20.62	22.20
40620	40818	QPSK	1	0	0	0	1	0	DSI0	21.04	22.20
41055	41253	QPSK	1	0	0	0	1	0	DSI0	20.78	22.20
41490	41292	QPSK	1	0	0	0	1	0	DSI0	21.03	22.20
39750	39948	QPSK	1	0	0	0	1	0	DSI1	22.87	24.20
40185	40383	QPSK	1	0	0	0	1	0	DSI1	22.63	24.20
40620	40818	QPSK	1	0	0	0	1	0	DSI1	22.53	24.20
41055	41253	QPSK	1	0	0	0	1	0	DSI1	23.00	24.20
41490	41292	QPSK	1	0	0	0	1	0	DSI1	22.94	24.20
39750	39948	QPSK	1	0	0	0	1	0	DSI1	22.98	24.20
39750	39948	QPSK	1	0	0	0	1	0	DSI3	22.87	24.20
40185	40383	QPSK	1	0	0	0	1	0	DSI3	22.63	24.20
40620	40818	QPSK	1	0	0	0	1	0	DSI3	23.00	24.20
41055	41253	QPSK	1	0	0	0	1	0	DSI3	22.94	24.20
41490	41292	QPSK	1	0	0	0	1	0	DSI3	22.98	24.20
39750	39948	QPSK	1	0	0	0	1	0	DSI4	20.95	22.20
40185	40383	QPSK	1	0	0	0	1	0	DSI4	20.62	22.20
40620	40818	QPSK	1	0	0	0	1	0	DSI4	21.04	22.20
41055	41253	QPSK	1	0	0	0	1	0	DSI4	20.78	22.20
41490	41292	QPSK	1	0	0	0	1	0	DSI4	21.03	22.20



CA_42C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	full	23.12	25.00
42590	42788	QPSK	1	0	0	0	1	0	full	23.55	
42990	42792	QPSK	1	0	0	0	1	0	full	23.34	
42190	42388	QPSK	50	0	0	0	1	0	DSI 0	19.26	21.00
42590	42788	QPSK	50	0	0	0	1	0	DSI 0	19.84	
42990	42792	QPSK	50	0	0	0	1	0	DSI 0	19.62	
42190	42388	QPSK	50	0	0	0	1	0	DSI 1	21.25	22.50
42590	42788	QPSK	50	0	0	0	1	0	DSI 1	21.37	
42990	42792	QPSK	50	0	0	0	1	0	DSI 1	21.07	
42190	42388	QPSK	1	0	0	0	1	0	DSI 3	23.12	25.00
42590	42788	QPSK	1	0	0	0	1	0	DSI 3	23.55	
42990	42792	QPSK	1	0	0	0	1	0	DSI 3	23.34	
42190	42388	QPSK	50	0	0	0	1	0	DSI 4	20.29	22.00
42590	42788	QPSK	50	0	0	0	1	0	DSI 4	20.37	
42990	42792	QPSK	50	0	0	0	1	0	DSI 4	20.31	

CA_42C_Ant 5											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	full	24.31	25.50
42590	42788	QPSK	1	0	0	0	1	0	full	24.27	
42990	42792	QPSK	1	0	0	0	1	0	full	24.25	
42190	42388	QPSK	1	0	0	0	1	0	DSI 0	19.25	20.50
42590	42788	QPSK	1	0	0	0	1	0	DSI 0	19.21	
42990	42792	QPSK	1	0	0	0	1	0	DSI 0	19.20	
42190	42388	QPSK	1	0	0	0	1	0	DSI 1	21.93	23.00
42590	42788	QPSK	1	0	0	0	1	0	DSI 1	21.85	
42990	42792	QPSK	1	0	0	0	1	0	DSI 1	21.83	
42190	42388	QPSK	1	0	0	0	1	0	DSI 3	21.93	23.00
42590	42788	QPSK	1	0	0	0	1	0	DSI 3	21.85	
42990	42792	QPSK	1	0	0	0	1	0	DSI 3	21.83	
42190	42388	QPSK	1	0	0	0	1	0	DSI 4	19.84	21.00
42590	42788	QPSK	1	0	0	0	1	0	DSI 4	19.88	
42990	42792	QPSK	1	0	0	0	1	0	DSI 4	19.84	



CA_42C_Ant 6											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	full	23.73	25.50
42590	42788	QPSK	1	0	0	0	1	0	full	23.98	
42190	42792	QPSK	1	0	0	0	1	0	full	24.03	17.50
42190	42388	QPSK	50	0	0	0	1	0	DSI 0	15.64	
42990	42788	QPSK	50	0	0	0	1	0	DSI 0	15.85	21.50
42990	42792	QPSK	50	0	0	0	1	0	DSI 0	15.92	
42190	42388	QPSK	1	0	0	0	1	0	DSI 1	19.68	17.50
42190	42788	QPSK	1	0	0	0	1	0	DSI 1	19.94	
42990	42792	QPSK	1	0	0	0	1	0	DSI 1	20.01	21.50
42190	42388	QPSK	50	0	0	0	1	0	DSI 3	19.68	
42990	42788	QPSK	50	0	0	0	1	0	DSI 3	19.94	17.50
42990	42792	QPSK	50	0	0	0	1	0	DSI 3	20.01	
42190	42388	QPSK	1	0	0	0	1	0	DSI 4	15.64	17.50
42590	42788	QPSK	1	0	0	0	1	0	DSI 4	15.85	
42990	42792	QPSK	1	0	0	0	1	0	DSI 4	15.92	

CA_42C_Ant 7											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
42190	42388	QPSK	1	0	0	0	1	0	full	23.25	25.50
42590	42788	QPSK	1	0	0	0	1	0	full	23.56	
42190	42792	QPSK	1	0	0	0	1	0	full	23.59	25.50
42190	42388	QPSK	1	0	0	0	1	0	DSI 0	23.25	
42990	42788	QPSK	1	0	0	0	1	0	DSI 0	23.56	18.00
42990	42792	QPSK	1	0	0	0	1	0	DSI 0	23.59	
42190	42388	QPSK	1	0	0	0	1	0	DSI 1	16.23	21.00
42190	42788	QPSK	1	0	0	0	1	0	DSI 1	16.53	
42990	42792	QPSK	1	0	0	0	1	0	DSI 1	16.58	17.50
42190	42388	QPSK	1	0	0	0	1	0	DSI 3	19.30	
42990	42788	QPSK	1	0	0	0	1	0	DSI 3	19.58	17.50
42990	42792	QPSK	1	0	0	0	1	0	DSI 3	19.60	
42190	42388	QPSK	50	0	0	0	1	0	DSI 4	15.34	17.50
42590	42788	QPSK	50	0	0	0	1	0	DSI 4	15.84	
42990	42792	QPSK	50	0	0	0	1	0	DSI 4	15.87	



DL CA Power

Full Power		2CC																
Configure	CA Configuration (BCS)	PCC							SCC				Power					
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)				
Intra-Band	Contiguous	CA_41A-42A	Band 41	20M	2593	40620	QPSK	1	0	Band 42	20M	3500.00	42590	23.52	23.68			
		CA_41C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.80	40818	23.15	23.68			
		CA_42C	Band 42	20M	3560	43190	QPSK	1	0	Band 42	20M	3579.00	43388	23.35	23.56			

3CC		3CC																	
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				Power		
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Intra-Band	Contiguous	CA_41A-42C	Band 41	20M	2593	40620	QPSK	1	0	Band 42	20M	3560	43190	Band 42	20M	3579	43388	23.54	23.68
		CA_41C-42A	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 42	20M	3500	42590	23.63	23.68
		CA_41D	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	23.33	23.68

4CC		4CC																					
Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3		Power				
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Intra-Band	Contiguous	CA_41C-42C	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 42	20M	3500	42590	Band 42	20M	3519.8	42788	24.95	25.13



Default Power for 5G NR

n41_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 569000	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 529200	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	23.62	23.62	23.64		
100	QPSK	1	137	23.48	23.54	23.50	25.0	0.0
100	QPSK	1	271	23.37	23.45	23.35		
100	QPSK	135	0	23.74	23.85	23.53		
100	QPSK	135	69	23.45	23.58	23.53	25.0	0.0
100	QPSK	135	138	23.63	23.73	23.68		
100	QPSK	270	0	22.85	22.75	22.65	24.0	1.0
100	16QAM	1	1	22.08	22.11	22.12	24.0	1.0
100	64QAM	1	1	20.60	20.69	20.62	22.5	2.5
100	256QAM	1	1	19.24	19.36	19.29	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.61	23.58	23.54	25.0	0.0
Channel								
Frequency (MHz)								
85	QPSK	1	1	23.60	23.60	23.61	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.57	23.54	23.54	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.02	24.03	24.00	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.07	24.06	24.06	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.45	24.43	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.50	24.57	24.50	25.7	0.0

n41_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 569000	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 529200	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	24.53	24.11	24.54		
100	QPSK	1	137	24.40	24.38	24.38	25.7	0.0
100	QPSK	1	271	24.60	24.39	24.26		
100	QPSK	135	0	23.95	23.77	23.37		
100	QPSK	135	69	24.50	24.58	24.50	25.7	0.0
100	QPSK	135	138	23.47	23.63	23.75		
100	QPSK	270	0	23.64	23.66	23.63	24.7	1.0
100	16QAM	1	1	23.26	23.30	22.90	24.7	1.0
100	64QAM	1	1	21.79	21.78	21.48	23.2	2.5
100	256QAM	1	1	19.23	19.25	19.23	21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.47	24.57	24.49	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.50	24.58	24.42	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.02	24.03	24.00	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.07	24.06	24.06	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.45	24.43	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.50	24.57	24.50	25.7	0.0

n41_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 569000	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 529200	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	23.61	23.57	23.62		
100	QPSK	1	137	23.48	23.53	23.41	25.0	0.0
100	QPSK	1	271	23.39	23.38	23.30		
100	QPSK	135	0	23.74	23.75	23.62		
100	QPSK	135	69	23.52	23.58	23.43	25.0	0.0
100	QPSK	135	138	22.64	22.64	22.65		
100	QPSK	270	0	22.87	22.73	22.55	24.0	1.0
100	16QAM	1	1	22.03	22.18	22.06	24.0	1.0
100	64QAM	1	1	20.57	20.67	20.59	22.5	2.5
100	256QAM	1	1	19.23	19.34	19.22	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.54	23.61	23.60	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.60	23.64	23.63	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.59	23.54	23.55	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.02	24.03	24.00	25.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.07	24.06	24.06	25.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.45	24.43	25.7	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.55	23.63	23.63	25.0	0.0



n41_Ant 4									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 506002	Power Middle Ch. / Freq. 516998	Power High Ch. / Freq. 526900	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	2474	2472	2470			
100	QPSK	1	1	2474	2478	2480	25.7	0.0	
100	QPSK	1	1	2472	2478	2477			
100	QPSK	1	271	2481	2484	2481			
100	QPSK	135	69	2339	2339	2337			
100	QPSK	135	69	2473	2476	2476	25.7	0.0	
100	QPSK	135	138	2338	2338	2332			
100	QPSK	270	0	2332	2338	2336	24.7	1.0	
100	16QAM	1	1	2347	2354	2354	24.7	1.0	
100	16QAM	1	1	2138	2204	2204	23.2	2.5	
100	16QAM	1	1	2070	2075	2077	21.2	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	2441	2442	2444	25.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	2478	2484	2480	25.7	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	2500	2500	2500	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
50	QPSK	1	1	2477	2480	2476	23.7	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2450	2450	2450	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2483	2478	2475	25.7	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	2484	2484	2478	25.7	0.0	

Par270 n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 660000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	2343	2343	2333			
100	QPSK	1	137	2328	2328	2332	25.0	0.0	
100	QPSK	1	271	2327	2330	2334			
100	QPSK	135	0	2185	2205	2215			
100	QPSK	135	69	2315	2334	2337	25.0	0.0	
100	QPSK	135	138	2228	2228	2228			
100	QPSK	270	0	2205	2234	2228	24.0	1.0	
100	16QAM	1	1	2115	2216	2193	24.0	1.0	
100	16QAM	1	1	1932	2056	2037	22.5	2.5	
100	16QAM	1	1	1813	1916	1832	20.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	2323	2362	2354	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	2320	2363	2332	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	2325	2337	2332	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	2325	2337	2332	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2320	2362	2346	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2320	2358	2333	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	2325	2360	2333	25.0	0.0	

Par27Q n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633300	Power Middle Ch. / Freq. 633300	Power High Ch. / Freq. 633300	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1						
100	QPSK	1	137				24.0	0.0	
100	QPSK	1	271						
100	QPSK	135	0						
100	QPSK	135	69				24.0	0.0	
100	QPSK	135	138						
100	QPSK	270	0				23.0	1.0	
100	16QAM	1	1				23.0	1.0	
100	16QAM	1	1				19.07	21.5	
100	16QAM	1	1				18.36	19.5	4.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	63500	63500	63500	Tune-up limit	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	2258	2258	2253	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	2257	2259	2253	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	2257	2259	2253	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2254	2259	2253	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2260	2257	2260	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	2256	2256	2257	24.0	0.0	



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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (656000)	Power Middle Ch. Freq. (656000)	Power High Ch. Freq. (656000)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	23.45	23.66	23.87		
100	QPSK	1	137	23.82	23.89	23.99	25.5	0.0
100	QPSK	1	271	23.90	23.99	23.93		
100	QPSK	135	69	22.29	22.53	22.82	25.5	0.0
100	QPSK	135	69	23.51	23.64	23.57		
100	QPSK	135	138	22.38	22.05	22.60		
100	QPSK	270	0	22.29	22.80	22.48	24.5	1.0
100	16QAM	1	1	21.99	22.17	22.13	24.5	1.0
100	64QAM	1	1	20.27	20.99	20.54	23.0	2.5
100	256QAM	1	1	18.82	19.10	19.02	21.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.39	23.62	23.53	25.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.45	23.61	23.33	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.43	23.54	23.50	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.46	23.17	23.10	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.40	23.05	23.00	25.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.39	23.62	23.54	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.39	23.04	23.00	25.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (653332)	Power Middle Ch. Freq. (653332)	Power High Ch. Freq. (653332)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	24.21				
100	QPSK	1	137	24.25			25.5	0.0
100	QPSK	1	271	24.03				
100	QPSK	135	69	23.20			25.5	0.0
100	QPSK	135	69	24.20				
100	QPSK	135	138	23.08				
100	QPSK	270	0	23.12			24.5	1.0
100	16QAM	1	1	22.66			24.0	1.0
100	64QAM	1	1	21.20			23.0	2.5
100	256QAM	1	1	19.70			21.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.14	24.13	24.14	25.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.12	24.10	24.20	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.10	24.13	24.13	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.12	24.12	24.11	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.11	24.08	24.14	25.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.10	24.14	24.13	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.18	24.08	24.17	25.5	0.0

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. (656000)	Power Middle Ch. Freq. (656000)	Power High Ch. Freq. (656000)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	22.31	22.13	22.31		
100	QPSK	1	137	23.01	23.21	23.18	25.0	0.0
100	QPSK	1	271	22.72	22.84	23.04		
100	QPSK	135	69	21.55	21.85	22.02	25.0	0.0
100	QPSK	135	69	23.00	23.18	23.17		
100	QPSK	135	138	21.81	22.04	22.16		
100	QPSK	270	0	21.64	22.05	22.01	24.0	1.0
100	16QAM	1	1	21.07	21.41	21.62	24.0	1.0
100	64QAM	1	1	19.56	19.86	20.10	22.5	2.5
100	256QAM	1	1	18.04	18.37	18.58	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.87	23.15	23.14	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.79	23.15	23.18	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.79	23.12	23.17	25.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.80	23.14	23.14	25.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.86	23.16	23.12	25.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.79	23.14	23.09	25.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.87	23.20	23.10	25.0	0.0



Par27Q n77_Ant 6							
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	QPSK	1	1	3499.98			
100	QPSK	1	137	22.86			24.5
100	QPSK	1	271	23.12			
100	QPSK	1	271	22.90			
100	QPSK	135	69	22.08			24.5
100	QPSK	135	69	23.08			
100	QPSK	135	138	21.97			
100	QPSK	270	0	22.05		23.5	1.0
100	ISDAM	1	1	21.86		23.5	1.0
100	ISDAM	1	1	20.11		22.0	2.5
100	ISDAM	1	1	18.69		20.0	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	3499.98	3499.98	3504.99	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	3499.98	3499.98	3510	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.09	23.09	23.11	24.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	3499.98	3499.98	3510.99	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.10	23.05	23.10	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.08	23.05	23.09	24.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.11	23.10	23.10	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.08	23.05	23.03	24.5

Par27Q n77_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	3750	3840	3930	
100	QPSK	1	137	23.25	23.83	23.25	25.5
100	QPSK	1	271	23.87	23.21	23.04	
100	QPSK	135	69	22.85	22.85	22.85	25.5
100	QPSK	135	69	23.86	23.74	23.50	
100	QPSK	135	138	22.81	22.84	21.98	
100	QPSK	270	0	22.86	22.88	22.01	24.5
100	ISDAM	1	1	21.84	22.41	21.81	24.0
100	ISDAM	1	1	20.28	20.81	20.23	23.0
100	ISDAM	1	1	18.80	19.35	18.74	21.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	3745.02	3840	3934.98	25.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	3740.01	3840	3939.99	25.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.70	23.74	23.30	25.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	3730.02	3840	3943.98	25.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.68	23.77	23.22	25.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.65	23.75	23.33	25.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.71	23.71	23.82	25.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.72	23.79	23.30	25.5

Par27Q n77_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	3499.98	3499.98	3504.99	
100	QPSK	1	137	22.12			24.5
100	QPSK	1	271	23.13			
100	QPSK	1	271	23.06			
100	QPSK	135	69	22.08			24.5
100	QPSK	135	69	23.10			
100	QPSK	135	138	21.98			
100	QPSK	270	0	22.08		23.5	1.0
100	ISDAM	1	1	21.83		23.5	1.0
100	ISDAM	1	1	19.98		22.0	2.5
100	ISDAM	1	1	18.60		20.0	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	3499.98	3499.98	3504.99	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	3499.98	3499.98	3510	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.08	23.02	23.02	24.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	3499.98	3499.98	3510.99	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.09	23.01	23.07	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.03	23.00	22.99	24.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.07	23.03	23.01	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.03	23.02	23.02	24.5



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BW (MHz)	Modulation	RB 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	QPSK	1	1	22.52	3750			
100	QPSK	1	137	23.21			24.5	0.0
100	QPSK	1	271	23.19				
100	QPSK	135	69	21.88			24.5	0.0
100	QPSK	135	69	23.16				
100	QPSK	135	138	22.26				
100	QPSK	270	0	22.68			23.5	1.0
100	16QAM	1	1	21.27			23.5	1.0
100	16QAM	1	1	19.72			22.0	2.5
100	16QAM	1	1	18.26			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.12	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.12	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.18	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.14	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.14	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.13	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.16	3750	3754.98	24.5	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	QPSK	1	1	22.53	3699.98			
100	QPSK	1	137	22.62			24.0	0.0
100	QPSK	1	271	22.52				
100	QPSK	135	69	21.65			24.0	0.0
100	QPSK	135	69	22.62				
100	QPSK	135	138	21.52				
100	QPSK	270	0	21.62			23.0	1.0
100	16QAM	1	1	21.22			23.0	1.0
100	16QAM	1	1	19.71			21.5	2.5
100	16QAM	1	1	18.27			19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	22.54	3699.98	3694.99	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.57	3699.98	3694.99	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.61	3699.98	3694.99	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.61	3699.98	3694.99	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.54	3699.98	3694.99	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.57	3699.98	3694.99	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.57	3699.98	3694.99	24.0	0.0

Part270 n78_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	23.34	3750			
100	QPSK	1	137	23.89			25.5	0.0
100	QPSK	1	271	23.48				
100	QPSK	135	69	22.87			25.5	0.0
100	QPSK	135	69	23.63				
100	QPSK	135	138	22.53				
100	QPSK	270	0	22.61			24.5	1.0
100	16QAM	1	1	22.26			24.5	1.0
100	16QAM	1	1	20.79			23.0	2.5
100	16QAM	1	1	19.26			21.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.66	3750	3754.98	25.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.66	3750	3754.98	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.61	3750	3754.98	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.63	3750	3754.98	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.63	3750	3754.98	25.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.67	3750	3754.98	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.64	3750	3754.98	25.5	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	QPSK	1	1	3499.98				
100	QPSK	1	137	23.12			25.5	0.0
100	QPSK	1	271	24.09				
100	QPSK	135	69	23.01				
100	QPSK	135	138	23.06			25.5	0.0
100	QPSK	270	0	24.01				
100	QPSK	270	0	22.50				
100	QPSK	270	0	23.04			24.5	1.0
100	16QAM	1	1	22.53			24.5	1.0
100	16QAM	1	1	21.07			23.0	2.5
100	256QAM	1	1	19.60			21.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	6350.00	6353.32	6356.66		
90	QPSK	1	1	3499.98	3499.98	3499.98	25.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3499.98	3499.98	3499.98	25.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	24.08	24.08	24.01	25.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	3499.98	3499.98	3499.98	25.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.04	24.03	24.04	25.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631668	633332	635000		
Channel								
Frequency (MHz)								
30	QPSK	1	1	3499.98	3499.98	3499.98	25.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	24.07	24.01	24.06	25.5	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	QPSK	1	1	3750				
100	QPSK	1	137	23.17			24.5	0.0
100	QPSK	1	271	23.12				
100	QPSK	135	69	21.85				
100	QPSK	135	138	23.03			24.5	0.0
100	QPSK	270	0	22.10				
100	QPSK	270	0	22.33			23.5	1.0
100	16QAM	1	1	21.44			23.5	1.0
100	16QAM	1	1	19.88			22.0	2.5
100	256QAM	1	1	18.41			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	63598	63600	63602		
90	QPSK	1	1	3745.02	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3740.01	3750	3759.99	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	23.10	23.15	23.10	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	64599	65000	65332		
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.07	23.10	23.13	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	648334	650000	651666		
Channel								
Frequency (MHz)								
30	QPSK	1	1	3723.01	3750	3774.99	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.05	23.09	23.13	24.5	0.0
Channel								
Frequency (MHz)								
10	QPSK	1	1	647698	650000	652332		
Channel								
Frequency (MHz)								
10	QPSK	1	1	3710.01	3750	3789.99	24.5	0.0

Par27Q 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	QPSK	1	1	3499.98				
100	QPSK	1	137	23.01			24.5	0.0
100	QPSK	1	271	22.84				
100	QPSK	135	69	22.01				
100	QPSK	135	138	23.00			24.5	0.0
100	QPSK	270	0	21.00				
100	QPSK	270	0	22.07			23.5	1.0
100	16QAM	1	1	21.81			23.5	1.0
100	16QAM	1	1	20.06			22.0	2.5
100	256QAM	1	1	18.61			20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	635000	635332	635666		
90	QPSK	1	1	3499.98	3499.98	3499.98	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	3499.98	3499.98	3499.98	24.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	22.88	22.81	22.88	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	635000	635332	635666		
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.91	22.85	22.85	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	631668	633332	635000		
Channel								
Frequency (MHz)								
30	QPSK	1	1	3499.98	3499.98	3499.98	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.94	22.89	22.86	24.5	0.0



Part27Q n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	23.16			
100	QPSK	1	137	23.78			25.5
100	QPSK	1	271	23.77			
100	QPSK	135	69	23.82			
100	QPSK	135	69	23.84			25.5
100	QPSK	135	69	23.72			
100	QPSK	270	0	23.26			24.5
100	16QAM	1	1	21.87			24.5
100	16QAM	1	1	20.36			2.5
100	256QAM	1	1	18.91			4.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.74	23.71	23.71	25.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.30	23.30	23.30	25.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.63	23.62	23.62	25.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.67	23.67	23.67	25.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.61	23.67	23.69	25.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.68	23.68	23.64	25.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.68	23.65	23.62	25.5

Par27Q n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	22.54			
100	QPSK	1	137	23.09			24.5
100	QPSK	1	271	23.08			
100	QPSK	135	69	22.54			
100	QPSK	135	69	23.06			24.5
100	QPSK	135	136	22.02			
100	QPSK	270	0	22.09			23.5
100	16QAM	1	1	21.58			23.5
100	16QAM	1	1	20.06			2.5
100	256QAM	1	1	18.62			4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	23.04	23.06	23.03	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.05	22.09	22.07	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.02	23.03	23.01	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.01	22.93	23.00	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.03	23.05	22.96	24.5
Channel							
Frequency (MHz)							
30	NPSK	1	1	23.02	23.04	23.01	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.99	22.97	22.95	24.5



DSI 0 Power

n41_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518568	Power High Ch. Freq. 568000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	15.53	17.03	18.53		
100	QPSK	1	137	18.85	18.98	18.85	18.5	0.0
100	QPSK	1	271	18.84	18.99	18.82		
100	QPSK	135	0	18.85	18.97	18.75		
100	QPSK	135	69	18.87	18.96	18.81	18.5	0.0
100	QPSK	135	138	18.78	18.88	18.73		
100	QPSK	270	0	18.77	18.89	18.74	18.5	0.0
100	16QAM	1	1	18.82	18.95	18.75	18.5	0.0
100	16QAM	1	1	18.76	18.98	18.81	18.5	0.0
100	256QAM	1	1	18.76	18.86	18.77	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.89	16.96	16.84	18.5	0.0
Channel								
Frequency (MHz)								
85	QPSK	1	1	16.87	16.97	16.83	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.82	18.94	18.83	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.82	18.94	18.83	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.87	18.92	18.81	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.85	18.95	18.87	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.89	18.98	18.86	18.5	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	18.83	17.00	18.80	18.5	0.0

n41_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518568	Power High Ch. Freq. 568000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	24.53	24.01	24.54		
100	QPSK	1	137	24.40	24.38	24.38	25.7	0.0
100	QPSK	1	271	24.63	24.39	24.28		
100	QPSK	135	0	23.95	23.77	23.37		
100	QPSK	135	69	24.50	24.58	24.50	25.7	0.0
100	QPSK	135	138	23.47	23.63	23.75		
100	QPSK	270	0	23.84	23.66	23.53	24.7	1.0
100	16QAM	1	1	23.28	23.30	22.90	24.7	1.0
100	16QAM	1	1	21.79	21.78	21.48	23.2	2.5
100	256QAM	1	1	20.43	20.51	20.14	21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.47	24.57	24.49	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.50	24.58	24.42	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.52	24.53	24.49	23.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.57	24.56	24.46	23.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.52	24.53	25.7	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	24.50	24.57	24.50	25.7	0.0

n41_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518568	Power High Ch. Freq. 568000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	19.45	19.13	19.45		
100	QPSK	1	137	19.38	19.57	19.37	21.0	0.0
100	QPSK	1	271	19.38	19.50	19.48		
100	QPSK	135	0	19.35	19.51	19.46		
100	QPSK	135	69	19.36	19.54	19.48	21.0	0.0
100	QPSK	135	138	19.30	19.45	19.47		
100	QPSK	270	0	19.24	19.50	19.42	21.0	0.0
100	16QAM	1	1	19.14	19.48	19.31	21.0	0.0
100	16QAM	1	1	19.23	19.38	19.35	21.0	0.0
100	256QAM	1	1	19.47	19.53	19.52	20.5	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.13	19.31	19.30	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.16	19.34	19.35	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.22	19.29	19.28	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	19.22	19.24	19.23	21.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	19.15	19.29	19.29	21.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	19.23	19.32	19.26	21.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	19.13	19.40	19.33	21.0	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	19.14	19.36	19.26	21.0	0.0



n41_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	QPSK	1	1	18.85	18.87	18.86			
100	QPSK	1	137	18.77	18.75	18.82	19.7	0.0	
100	QPSK	1	271	18.81	18.81	18.84			
100	QPSK	135	0	18.75	18.73	18.82			
100	QPSK	135	69	18.76	18.76	18.81	19.7	0.0	
100	QPSK	135	138	18.84	18.72	18.84			
100	QPSK	270	0	18.71	18.73	18.80	19.7	0.0	
100	16QAM	1	1	18.87	18.82	18.38	19.7	0.0	
100	16QAM	1	1	18.76	18.74	18.47	19.7	0.0	
100	256QAM	1	1	18.80	18.56	18.33	19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.61	18.77	18.87	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.77	18.76	18.56	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.79	18.80	18.82	19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.82	18.82	18.84	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.76	18.76	18.81	19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.81	18.82	18.89	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.81	18.82	18.89	19.7	0.0	
Channel									
Frequency (MHz)									
80	16QAM	1	1	18.81	18.82	18.89	19.7	0.0	
Channel									
Frequency (MHz)									
80	256QAM	1	1	18.84	18.83	18.84	19.7	0.0	

Par270 n77_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	QPSK	1	1	18.82	18.34	18.26			
100	QPSK	1	137	18.28	18.42	18.34	18.0	0.0	
100	QPSK	1	271	18.85	18.29	18.27			
100	QPSK	135	0	18.92	18.39	18.31			
100	QPSK	135	69	18.93	18.40	18.32	18.0	0.0	
100	QPSK	135	138	18.82	18.19	18.17			
100	QPSK	270	0	18.87	18.31	18.27	18.0	0.0	
100	16QAM	1	1	18.55	18.53	18.56	18.0	0.0	
100	16QAM	1	1	18.55	18.56	18.14	18.0	0.0	
100	256QAM	1	1	18.79	18.25	18.21	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.61	18.90	18.98	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.86	18.90	18.92	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.83	18.90	18.96	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.55	18.58	18.66	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.82	18.92	18.93	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.54	18.93	18.93	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.51	18.95	18.95	18.0	0.0	

Par27Q n77_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	QPSK	1	1			18.30			
100	QPSK	1	137			18.20	17.0	0.0	
100	QPSK	1	271			18.50			
100	QPSK	135	0			18.52			
100	QPSK	135	69			18.50	17.0	0.0	
100	QPSK	135	138			18.53			
100	QPSK	270	0			18.53	17.0	0.0	
100	16QAM	1	1			18.50	17.0	0.0	
100	16QAM	1	1			18.40	17.0	0.0	
100	256QAM	1	1			18.40	17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.44	18.49	18.48	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.92	18.40	18.47	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.95	18.49	18.59	17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.38	18.41	18.45	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.41	18.47	18.42	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.30	18.40	18.43	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.40	18.43	18.46	17.0	0.0	



Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 656000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 656000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	16.58	16.60	16.55		
100	QPSK	1	137	16.65	16.67	16.65	18.5	0.0
100	QPSK	1	271	16.56	16.58	16.61		
100	QPSK	135	69	16.53	16.59	16.56		
100	QPSK	135	69	16.62	16.66	16.65	18.5	0.0
100	QPSK	135	138	16.51	16.55	16.56		
100	QPSK	270	0	16.58	16.60	16.59	18.5	0.0
100	16QAM	1	1	16.44	16.48	16.58	18.5	0.0
100	16QAM	1	1	16.44	16.48	16.51	18.5	0.0
100	256QAM	1	1	16.51	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.59	16.62	16.55	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.61	16.57	16.64	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.60	16.54	16.60	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.52	16.50	16.57	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.59	16.56	16.55	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.59	16.61	16.65	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.54	16.60	16.54	18.5	0.0

Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 633332	Power Middle Ch. Freq. 633332	Power High Ch. Freq. 633332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	17.25				
100	QPSK	1	137	17.23			18.5	0.0
100	QPSK	1	271	17.16				
100	QPSK	135	69	17.15				
100	QPSK	135	69	17.22			18.5	0.0
100	QPSK	135	138	17.21				
100	QPSK	270	0	17.21			18.5	0.0
100	16QAM	1	1	17.12			18.5	0.0
100	16QAM	1	1	17.15			18.5	0.0
100	256QAM	1	1	17.05			18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.13	17.13	17.17	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.21	17.14	17.17	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.18	17.22	17.15	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.13	17.15	17.12	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.20	17.13	17.21	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.21	17.13	17.21	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.21	17.17	17.12	18.5	0.0

Par27Q n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 656000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 656000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	15.97	15.94	15.98		
100	QPSK	1	137	16.07	16.11	16.05	18.0	0.0
100	QPSK	1	271	16.04	16.05	16.04		
100	QPSK	135	69	16.01	16.01	16.00		
100	QPSK	135	69	16.03	16.06	16.01	18.0	0.0
100	QPSK	135	138	16.00	16.00	16.00		
100	QPSK	270	0	16.03	16.04	16.07	18.0	0.0
100	16QAM	1	1	16.04	16.07	16.00	18.0	0.0
100	16QAM	1	1	16.00	16.00	16.04	18.0	0.0
100	256QAM	1	1	16.03	16.03	16.00	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.97	16.00	16.03	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.05	16.01	16.02	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.05	16.00	16.04	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.00	16.00	16.00	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.06	16.06	16.06	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.06	16.10	16.08	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.01	16.05	16.07	18.0	0.0



Par27Q n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.50	15.98	16.00	17.5	0.0	
100	QPSK	1	137	15.98	16.00	16.02	17.5	0.0	
100	QPSK	1	271	16.02	16.04	16.06	17.5	0.0	
100	QPSK	135	69	15.98	16.00	16.02	17.5	0.0	
100	QPSK	135	138	15.98	16.00	16.02	17.5	0.0	
100	QPSK	270	0	16.03	16.05	16.07	17.5	0.0	
100	16QAM	1	1	15.98	16.00	16.02	17.5	0.0	
100	16QAM	1	1	15.98	16.00	16.02	17.5	0.0	
100	256QAM	1	1	15.96	16.00	16.04	17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	15.83	15.97	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.92	16.02	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.96	16.01	16.03	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.97	15.97	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.93	15.93	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.93	15.93	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.96	15.93	16.01	17.5	0.0	

Par27Q n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	23.25	23.81	23.82	25.5	0.0	
100	QPSK	1	137	23.75	23.83	23.84	25.5	0.0	
100	QPSK	1	271	23.87	23.87	23.87	25.5	0.0	
100	QPSK	135	69	23.85	23.85	23.85	25.5	0.0	
100	QPSK	135	138	23.86	23.74	23.80	25.5	0.0	
100	QPSK	270	0	22.86	22.88	22.91	24.5	1.0	
100	16QAM	1	1	21.84	22.41	21.81	24.0	1.0	
100	16QAM	1	1	20.28	20.81	20.23	23.0	2.5	
100	256QAM	1	1	18.80	19.30	18.74	21.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.71	23.82	23.83	25.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.70	23.74	23.80	25.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.68	23.77	23.77	25.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.69	23.73	23.83	25.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.73	23.76	23.84	25.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.69	23.77	23.80	25.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.72	23.79	23.80	25.5	0.0	

Par27Q n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	23.25	23.81	23.82	24.5	0.0	
100	QPSK	1	137	23.75	23.83	23.84	24.5	0.0	
100	QPSK	1	271	23.87	23.87	23.87	24.5	0.0	
100	QPSK	135	69	23.85	23.85	23.85	24.5	0.0	
100	QPSK	135	138	23.86	23.74	23.80	24.5	0.0	
100	QPSK	270	0	22.86	22.88	22.91	23.5	1.0	
100	16QAM	1	1	21.84	22.41	21.81	23.0	1.0	
100	16QAM	1	1	20.28	20.81	20.23	22.0	2.5	
100	256QAM	1	1	18.80	19.30	18.60	20.0	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	23.11	23.05	23.06	24.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	23.08	23.02	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	23.09	23.01	23.07	24.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	23.10	23.00	22.99	24.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	23.03	23.02	23.02	24.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	23.07	23.03	23.01	24.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	23.03	23.02	23.02	24.5	0.0	



Part270 n78_Ant 1

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						
Frequency (MHz)	3150					
100 QPSK	1	1	15.54			
100 QPSK	1	137	15.12	17.5	0.0	
100 QPSK	1	271	15.00			
100 QPSK	135	0	15.04			
100 QPSK	135	69	15.12	17.5	0.0	
100 QPSK	135	138	15.08			
100 QPSK	270	0	15.08	17.5	0.0	
100 16QAM	1	1	15.06	17.5	0.0	
100 16QAM	1	1	15.06	17.5	0.0	
100 256QAM	1	1	15.06	17.5	0.0	
Channel	549588	550000	550332	Tune-up limit (dBm)	MPR (dB)	
Channel	3745.52	3750	3745.58			
90 QPSK	1	1	15.05	15.99	17.5	0.0
Channel	545333	545333	545333	Tune-up limit (dBm)	MPR (dB)	
Channel	3740.01	3750	3749.99			
90 QPSK	1	1	15.05	15.01	17.5	0.0
Channel	545333	545333	545333	Tune-up limit (dBm)	MPR (dB)	
Channel	3739.02	3750	3749.98			
90 QPSK	1	1	15.41	15.97	17.5	0.0
Channel	544834	545000	544868	Tune-up limit (dBm)	MPR (dB)	
Channel	3728.53	3750	3728.53			
90 QPSK	1	1	15.04	15.97	17.5	0.0
Channel	545000	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3723.02	3750	3723.02			
90 QPSK	1	1	15.05	15.03	17.5	0.0
Channel	545333	545333	545333	Tune-up limit (dBm)	MPR (dB)	
Channel	3718.02	3750	3718.02			
90 QPSK	1	1	15.09	15.09	17.5	0.0
Channel	547334	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3713.01	3750	3713.01			
90 QPSK	1	1	15.05	15.05	17.5	0.0

Par27Q n78_Ant 1

Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						
Frequency (MHz)	63332					
100 QPSK	1	1	15.14			
100 QPSK	1	137	15.02	17.0	0.0	
100 QPSK	1	271	15.06			
100 QPSK	135	0	15.49			
100 QPSK	135	69	15.05	17.0	0.0	
100 QPSK	135	138	15.53			
100 QPSK	270	0	15.51	17.0	0.0	
100 16QAM	1	1	15.45	17.0	0.0	
100 16QAM	1	1	15.45	17.0	0.0	
100 256QAM	1	1	15.45	17.0	0.0	
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel	3490	3499.98	3500.02			
90 QPSK	1	1	15.48	15.55	17.0	0.0
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel	3490.02	3499.98	3500.02			
90 QPSK	1	1	15.41	15.97	17.0	0.0
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel	3489.99	3499.98	3500.01			
90 QPSK	1	1	15.41	15.50	17.0	0.0
Channel	633668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
Channel	3489.99	3499.98	3500.00			
90 QPSK	1	1	15.40	15.50	17.0	0.0
Channel	633134	633332	633532	Tune-up limit (dBm)	MPR (dB)	
Channel	3470.01	3499.98	3500.02			
40 QPSK	1	1	15.45	15.53	17.0	0.0
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)	
Channel	3440	3499.98	3500.02			
90 QPSK	1	1	15.40	15.55	17.0	0.0
Channel	633668	633332	633000	Tune-up limit (dBm)	MPR (dB)	
Channel	3440	3499.98	3500.02			
20 QPSK	1	1	15.53	15.52	17.0	0.0

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Channel	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel						
Frequency (MHz)	3750					
100 QPSK	1	1	15.00			
100 QPSK	1	138	15.23	18.0	0.0	
100 QPSK	1	271	15.87			
100 QPSK	135	0	15.07			
100 QPSK	135	69	15.08	18.0	0.0	
100 QPSK	135	138	15.01			
100 QPSK	270	0	15.00	18.0	0.0	
100 16QAM	1	1	15.05	18.0	0.0	
100 16QAM	1	1	15.05	18.0	0.0	
100 256QAM	1	1	15.05	18.0	0.0	
Channel	549588	550000	550332	Tune-up limit (dBm)	MPR (dB)	
Channel	3745.02	3750	3744.98			
90 QPSK	1	1	15.08	15.07	18.0	0.0
Channel	545334	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3740.01	3750	3739.99			
90 QPSK	1	1	15.01	15.02	18.0	0.0
Channel	545334	550000	550332	Tune-up limit (dBm)	MPR (dB)	
Channel	3739.02	3750	3738.98			
90 QPSK	1	1	15.41	15.50	18.0	0.0
Channel	544834	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3728.53	3750	3728.53			
90 QPSK	1	1	15.10	15.05	18.0	0.0
Channel	545000	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3723.02	3750	3723.02			
90 QPSK	1	1	15.09	15.04	18.0	0.0
Channel	545334	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3718.02	3750	3718.02			
90 QPSK	1	1	15.10	15.09	18.0	0.0
Channel	547334	550000	550000	Tune-up limit (dBm)	MPR (dB)	
Channel	3713.01	3750	3713.01			
20 QPSK	1	1	15.05	15.05	18.0	0.0



Par27Q n78_Ant 5							
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	QPSK	1	1	16.15	16.33	16.51	18.0
100	QPSK	1	137	16.36	16.54	16.72	18.0
100	QPSK	1	271	16.57	16.75	16.93	18.0
100	QPSK	135	69	16.33	16.51	16.69	18.0
100	QPSK	135	138	16.26	16.44	16.62	18.0
100	QPSK	270	0	16.24	16.42	16.60	18.0
100	16QAM	1	1	16.28	16.46	16.64	18.0
100	64QAM	1	1	16.35	16.53	16.71	18.0
100	256QAM	1	1	16.29	16.47	16.65	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.28	16.46	16.64	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.28	16.46	16.64	18.0
Channel							
Frequency (MHz)							
74.31	QPSK	1	1	16.33	16.51	16.69	18.0
Channel							
Frequency (MHz)							
63.1668	QPSK	1	1	16.33	16.51	16.69	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.29	16.47	16.65	18.0
Channel							
Frequency (MHz)							
43	QPSK	1	1	16.33	16.51	16.69	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.32	16.50	16.68	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	16.27	16.45	16.63	18.0

Part270 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							
Frequency (MHz)							
100	QPSK	1	1	16.04	16.22	16.40	18.0
100	QPSK	1	137	16.25	16.43	16.61	18.0
100	QPSK	1	271	16.46	16.64	16.82	18.0
100	QPSK	135	69	16.22	16.40	16.58	18.0
100	QPSK	135	138	16.15	16.33	16.51	18.0
100	QPSK	270	0	16.13	16.31	16.49	18.0
100	16QAM	1	1	16.17	16.35	16.53	18.0
100	64QAM	1	1	16.24	16.42	16.60	18.0
100	256QAM	1	1	16.18	16.36	16.54	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.04	16.22	16.40	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.03	16.21	16.39	18.0
Channel							
Frequency (MHz)							
68.8334	QPSK	1	1	16.03	16.21	16.39	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.02	16.20	16.38	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.99	16.17	16.35	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.99	16.17	16.35	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.95	16.13	16.31	18.0

Par27Q 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							
Frequency (MHz)							
100	QPSK	1	1	16.42	16.60	16.78	18.0
100	QPSK	1	137	16.58	16.76	16.94	18.0
100	QPSK	1	271	16.79	16.97	17.15	18.0
100	QPSK	135	69	16.54	16.72	16.90	18.0
100	QPSK	135	138	16.45	16.63	16.81	18.0
100	QPSK	270	0	16.52	16.70	16.88	18.0
100	16QAM	1	1	16.45	16.63	16.81	18.0
100	64QAM	1	1	16.50	16.68	16.86	18.0
100	256QAM	1	1	16.54	16.72	16.90	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.48	16.66	16.84	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.47	16.65	16.83	18.0
Channel							
Frequency (MHz)							
68.8334	QPSK	1	1	16.47	16.65	16.83	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.44	16.62	16.80	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	16.43	16.61	16.79	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.43	16.61	16.79	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	16.43	16.61	16.79	18.0



Part27Q n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 500000	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	23.15			
100	QPSK	1	137	23.78			25.5
100	QPSK	1	271	23.77			
100	QPSK	135	69	23.82			
100	QPSK	135	69	23.84			25.5
100	QPSK	135	69	22.72			
100	QPSK	270	0	22.56			25.5
100	16QAM	1	1	21.87			25.5
100	16QAM	1	1	20.36			23.0
100	256QAM	1	1	18.91			22.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.74	23.71	23.71	25.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.30	23.30	23.30	25.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.63	23.62	23.62	25.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.67	23.67	23.67	25.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.91	23.87	23.89	25.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.68	23.68	23.64	25.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.68	23.65	23.62	25.5

Par27Q n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq. 833332	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	22.54			
100	QPSK	1	137	23.09			24.5
100	QPSK	1	271	23.08			
100	QPSK	135	69	22.54			
100	QPSK	135	69	23.06			24.5
100	QPSK	135	136	22.02			
100	QPSK	270	0	23.01			24.5
100	16QAM	1	1	21.58			24.5
100	16QAM	1	1	20.06			23.0
100	256QAM	1	1	18.62			21.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	23.04	23.06	23.03	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.05	22.09	22.07	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.02	23.03	23.01	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.01	22.93	23.00	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.03	23.05	22.96	24.5
Channel							
Frequency (MHz)							
30	NPSK	1	1	23.02	23.04	23.01	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.99	22.97	22.95	24.5



DSI 1 Power

n41_Ant 1							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 566000	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	20.32	20.43	20.41	22.0
100	QPSK	1	137	20.32	20.40	20.34	22.0
100	QPSK	1	271	20.32	20.40	20.29	22.0
100	QPSK	135	0	20.15	20.37	20.24	22.0
100	QPSK	135	69	20.31	20.38	20.31	22.0
100	QPSK	135	138	20.29	20.35	20.21	22.0
100	QPSK	270	0	20.30	20.34	20.30	22.0
100	16QAM	1	1	20.08	20.18	20.15	22.0
100	16QAM	1	1	20.25	20.35	20.15	22.0
100	256QAM	1	1	19.13	19.32	19.24	20.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.26	20.31	20.29	22.0
Channel							
Frequency (MHz)							
85	QPSK	1	1	20.24	20.34	20.29	22.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.32	20.31	20.37	22.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.32	20.31	20.37	22.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.32	20.31	20.37	22.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.27	20.35	20.30	22.0
Channel							
Frequency (MHz)							
20	P12 BPSK	1	1	20.24	20.39	20.30	22.0

n41_Ant 2							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 566000	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	20.29	20.27	19.87	21.2
100	QPSK	1	137	20.19	20.22	19.81	21.2
100	QPSK	1	271	20.18	20.22	19.80	21.2
100	QPSK	135	0	20.05	20.09	19.75	21.2
100	QPSK	135	69	20.13	20.15	19.79	21.2
100	QPSK	135	138	20.01	20.10	19.75	21.2
100	QPSK	270	0	20.12	20.13	19.75	21.2
100	16QAM	1	1	19.85	19.92	19.77	21.2
100	16QAM	1	1	19.48	19.75	19.71	21.2
100	256QAM	1	1	19.13	19.21	19.18	21.2
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.17	20.26	19.83	21.2
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.20	20.26	19.78	21.2
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.19	20.21	19.86	21.2
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.17	20.25	19.81	21.2
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.20	20.22	19.83	21.2
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.16	20.21	19.81	21.2
Channel							
Frequency (MHz)							
20	P12 BPSK	1	1	20.24	20.20	19.85	21.2

n41_Ant 3							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 566000	MPR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	21.25	21.57	21.42	23.0
100	QPSK	1	137	21.15	21.41	21.40	23.0
100	QPSK	1	271	21.18	21.39	21.39	23.0
100	QPSK	135	0	21.12	21.33	21.34	23.0
100	QPSK	135	69	21.17	21.54	21.38	23.0
100	QPSK	135	138	21.08	21.29	21.33	23.0
100	QPSK	270	0	21.10	21.33	21.30	23.0
100	16QAM	1	1	21.13	21.34	21.33	23.0
100	16QAM	1	1	20.92	20.98	20.97	22.5
100	256QAM	1	1	19.13	19.30	19.10	20.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	21.20	21.35	21.32	23.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	21.16	21.40	21.32	23.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	21.16	21.33	21.35	23.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	21.15	21.40	21.33	23.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	21.17	21.35	21.38	23.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	21.17	21.44	21.39	23.0
Channel							
Frequency (MHz)							
20	P12 BPSK	1	1	21.14	21.41	21.38	23.0



n41_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	QPSK	1	1	21.44	21.46	21.23			
100	QPSK	1	137	21.41	21.42	21.14	22.2	0.0	
100	QPSK	1	271	21.43	21.40	21.15			
100	QPSK	135	0	21.32	21.31	21.07			
100	QPSK	135	69	21.35	21.42	21.14	22.2	0.0	
100	QPSK	135	138	21.36	21.31	21.10			
100	QPSK	270	0	21.28	21.33	21.11	22.2	0.0	
100	16QAM	1	1	21.37	21.30	21.05	22.2	0.0	
100	16QAM	1	1	21.26	21.26	21.13	22.2	0.0	
100	256QAM	1	1	20.36	20.04	20.05	21.2	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.41	21.38	21.11	22.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.33	21.41	21.16	22.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.41	21.37	21.20	22.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	21.33	21.43	21.12	22.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.38	21.42	21.19	22.2	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.11	20.02	20.04	22.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.24	21.47	21.11	22.2	0.0	
Channel									
Frequency (MHz)									
30	P25 QPSK	1	1	21.33	21.30	21.11	22.2	0.0	

Par270 n77_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	QPSK	1	1	18.40	18.79	18.75			
100	QPSK	1	137	18.52	18.18	18.23	20.5	0.0	
100	QPSK	1	271	18.53	18.71	18.62			
100	QPSK	135	0	18.50	18.12	18.92	20.5	0.0	
100	QPSK	135	69	18.51	18.15	18.92			
100	QPSK	135	138	18.38	18.12	18.87	20.5	0.0	
100	16QAM	1	1	18.39	18.02	18.82	20.5	0.0	
100	16QAM	1	1	18.27	18.13	18.72	20.5	0.0	
100	16QAM	1	1	18.35	18.08	18.77	20.5	0.0	
100	256QAM	1	1	18.84	18.17	18.05	20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.50	18.13	18.90	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.49	18.11	18.92	20.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.49	18.08	18.92	20.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.42	18.14	18.92	20.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.44	18.08	18.92	20.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.43	18.13	18.92	20.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.47	18.07	18.91	20.5	0.0	

Par27Q n77_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	QPSK	1	1				17.84		
100	QPSK	1	137				18.23		19.5
100	QPSK	1	271				18.00		
100	QPSK	135	0				17.06		
100	QPSK	135	69				18.02		19.5
100	QPSK	135	138				17.02		
100	QPSK	270	0				17.04		19.5
100	16QAM	1	1				17.54		19.5
100	16QAM	1	1				17.55		19.5
100	256QAM	1	1				17.59		19.5
Channel									
Frequency (MHz)									
90	QPSK	1	1	17.65	17.62	17.61	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.65	17.62	17.61	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	17.65	17.62	17.61	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	17.50	17.25	17.25	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	17.63	17.56	17.51	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	17.65	17.65	17.61	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	17.60	17.60	17.62	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	17.65	17.65	17.63	19.5	0.0	



Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (656000)	Power Middle Ch. / Freq. (656000)	Power High Ch. / Freq. (656000)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.55	18.61	18.64	20.5	0.0
100	QPSK	1	137	18.71	18.79	18.78	20.5	0.0
100	QPSK	1	271	18.69	18.75	18.73	20.5	0.0
100	QPSK	135	69	18.55	18.67	18.69	20.5	0.0
100	QPSK	135	69	18.70	18.75	18.72	20.5	0.0
100	QPSK	270	0	18.64	18.65	18.63	20.5	0.0
100	16QAM	1	1	18.69	18.73	18.69	20.5	0.0
100	16QAM	1	1	18.56	18.53	18.52	20.5	0.0
100	256QAM	1	1	18.48	18.63	18.66	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.61	18.76	18.69	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.68	18.78	18.68	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.56	18.76	18.67	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.55	18.77	18.72	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.67	18.68	18.73	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.68	18.74	18.71	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.64	18.74	18.76	20.5	0.0

Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (633332)	Power Middle Ch. / Freq. (633332)	Power High Ch. / Freq. (633332)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.52	18.52	18.52	20.5	0.0
100	QPSK	1	137	18.15	18.15	18.15	20.5	0.0
100	QPSK	1	271	18.15	18.15	18.15	20.5	0.0
100	QPSK	135	69	18.15	18.15	18.15	20.5	0.0
100	QPSK	135	69	18.15	18.15	18.15	20.5	0.0
100	QPSK	270	0	18.17	18.17	18.17	20.5	0.0
100	16QAM	1	1	18.09	18.09	18.09	20.5	0.0
100	16QAM	1	1	18.16	18.16	18.16	20.5	0.0
100	256QAM	1	1	18.07	18.07	18.07	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.16	18.16	18.11	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.16	18.15	18.10	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.09	18.09	18.09	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.09	18.07	18.07	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.17	18.15	18.15	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.16	18.16	18.11	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.07	18.15	18.15	20.5	0.0

Par27Q n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (656000)	Power Middle Ch. / Freq. (656000)	Power High Ch. / Freq. (656000)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	17.88	18.12	18.12	20.0	0.0
100	QPSK	1	137	18.03	18.31	18.26	20.0	0.0
100	QPSK	1	271	17.86	18.23	18.15	20.0	0.0
100	QPSK	135	69	17.85	18.27	18.16	20.0	0.0
100	QPSK	135	69	18.01	18.29	18.24	20.0	0.0
100	QPSK	270	0	17.88	18.19	18.06	20.0	0.0
100	16QAM	1	1	17.89	18.15	18.03	20.0	0.0
100	16QAM	1	1	17.91	18.21	18.05	20.0	0.0
100	256QAM	1	1	17.85	18.20	18.14	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.01	18.20	18.17	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.87	18.22	18.19	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.02	18.19	18.25	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.92	18.25	18.18	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.99	18.29	18.16	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.85	18.24	18.19	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.00	18.19	18.16	20.0	0.0



Par27Q n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	17.50	18.00	18.50	19.5	0.0
100	QPSK	1	137	18.10	18.60	19.10	19.5	0.0
100	QPSK	1	271	18.70	19.20	19.70	19.5	0.0
100	QPSK	135	69	18.05	18.55	19.05	19.5	0.0
100	QPSK	135	138	17.98	18.48	18.98	19.5	0.0
100	QPSK	270	0	18.00	18.50	19.00	19.5	0.0
100	16QAM	1	1	18.05	18.55	19.05	19.5	0.0
100	64QAM	1	1	17.99	18.49	18.99	19.5	0.0
100	256QAM	1	1	17.93	18.43	18.93	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.02	17.99	18.07	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.02	18.04	18.06	19.5	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	18.05	18.04	18.05	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.05	18.04	18.04	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.01	17.99	18.01	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.01	18.07	18.00	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.07	17.99	18.03	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.05	18.06	17.98	19.5	0.0

Par27Q n77_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	14.83	14.80	14.87	17.0	0.0
100	QPSK	1	137	15.30	15.30	15.30	17.0	0.0
100	QPSK	1	271	14.20	14.20	14.20	17.0	0.0
100	QPSK	135	0	14.95	14.95	14.95	17.0	0.0
100	QPSK	135	69	15.22	15.25	15.23	17.0	0.0
100	QPSK	135	138	14.98	15.02	14.97	17.0	0.0
100	QPSK	270	0	15.01	15.02	15.01	17.0	0.0
100	16QAM	1	1	14.80	14.87	14.88	17.0	0.0
100	64QAM	1	1	14.85	14.88	14.85	17.0	0.0
100	256QAM	1	1	15.25	15.26	15.21	17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.74	14.89	14.62	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.77	14.85	14.57	17.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.81	14.83	14.83	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.81	14.83	14.83	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.71	14.85	14.59	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.77	14.78	14.55	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.78	14.87	14.64	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.81	14.89	14.60	17.0	0.0

Par27Q n77_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	14.54	14.51	14.51	16.0	0.0
100	QPSK	1	137	14.81	14.81	14.81	16.0	0.0
100	QPSK	1	271	14.49	14.49	14.49	16.0	0.0
100	QPSK	135	0	14.51	14.51	14.51	16.0	0.0
100	QPSK	135	69	14.54	14.54	14.54	16.0	0.0
100	QPSK	135	138	14.52	14.52	14.52	16.0	0.0
100	QPSK	270	0	14.55	14.55	14.55	16.0	0.0
100	16QAM	1	1	14.70	14.70	14.70	16.0	0.0
100	64QAM	1	1	14.21	14.21	14.21	16.0	0.0
100	256QAM	1	1	14.58	14.58	14.58	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.28	14.32	14.23	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.27	14.30	14.23	16.0	0.0
Channel								
Frequency (MHz)								
70	QPSK	1	1	14.27	14.25	14.23	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.27	14.25	14.23	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.24	14.22	14.27	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.29	14.29	14.26	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.29	14.22	14.33	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.23	14.29	14.29	16.0	0.0



Part270 n78_Ant 1

Channel	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100 QPSK 1 1 1	18.26				
100 QPSK 1 1 1	18.27			20.0	0.0
100 QPSK 1 271 1	18.24				
100 QPSK 135 0	18.27			20.0	0.0
100 QPSK 135 69	18.25				
100 QPSK 135 138	18.29				
100 QPSK 270 0	18.26			20.0	0.0
100 16QAM 1 1	18.20			20.0	0.0
100 16QAM 1 1	18.26			20.0	0.0
100 256QAM 1 1	18.28			20.0	0.0
Channel	94950	95000	95032	Tune-up limit (dBm)	MPR (dB)
90 QPSK 1 1 1	18.47	18.54	18.47	20.0	0.0
Channel	94533	94533	94533	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.52	18.57	18.53	20.0	0.0
Channel	94950	94950	94950	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.44	18.53	18.53	20.0	0.0
Channel	94834	94900	94868	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.49	18.50	18.50	20.0	0.0
Channel	94900	95000	95000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.50	18.53	18.54	20.0	0.0
Channel	94950	94950	94950	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.44	18.59	18.49	20.0	0.0
Channel	94734	95000	95000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.45	18.54	18.45	20.0	0.0

Par27Q n78_Ant 1

Channel	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100 QPSK 1 1 1	17.25				
100 QPSK 1 137	18.12			19.5	0.0
100 QPSK 1 271	18.13				
100 QPSK 135 0	18.02			19.5	0.0
100 QPSK 135 69	18.15				
100 QPSK 135 138	18.13				
100 QPSK 270 0	18.14			19.5	0.0
100 16QAM 1 1	18.09			19.5	0.0
100 16QAM 1 1	18.05			19.5	0.0
100 256QAM 1 1	17.99			19.5	0.0
Channel	83300	83332	83366	Tune-up limit (dBm)	MPR (dB)
90 QPSK 1 1 1	18.09	18.14	18.04	19.5	0.0
Channel	83058	83332	83301	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.02	18.09	18.13	19.5	0.0
Channel	83058	83332	83366	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.03	18.11	18.02	19.5	0.0
Channel	83168	83332	83500	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.02	18.14	18.10	19.5	0.0
Channel	83134	83332	83332	Tune-up limit (dBm)	MPR (dB)
40 QPSK 1 1 1	18.05	18.09	18.13	19.5	0.0
Channel	83058	83332	83366	Tune-up limit (dBm)	MPR (dB)
30 QPSK 1 1 1	18.02	18.13	18.07	19.5	0.0
Channel	83058	83332	83500	Tune-up limit (dBm)	MPR (dB)
20 QPSK 1 1 1	18.05	18.05	18.04	19.5	0.0

Part270 n78_Ant 5

Channel	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
100 QPSK 1 1 1	18.25				
100 QPSK 1 137	18.25			20.5	0.0
100 QPSK 1 271	18.23				
100 QPSK 135 0	18.21			20.5	0.0
100 QPSK 135 69	18.23				
100 QPSK 135 138	18.24				
100 QPSK 270 0	18.25			20.5	0.0
100 16QAM 1 1	18.21			20.5	0.0
100 16QAM 1 1	18.25			20.5	0.0
100 256QAM 1 1	18.24			20.5	0.0
Channel	84950	85000	85032	Tune-up limit (dBm)	MPR (dB)
90 QPSK 1 1 1	18.73	18.72	18.67	20.5	0.0
Channel	84534	85000	85000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.67	18.72	18.67	20.5	0.0
Channel	84950	85000	85000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.64	18.69	18.65	20.5	0.0
Channel	84834	85000	84968	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.67	18.66	18.68	20.5	0.0
Channel	84900	85000	85000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.63	18.64	18.68	20.5	0.0
Channel	84950	85000	85000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.72	18.74	18.70	20.5	0.0
Channel	84734	85000	85000	Tune-up limit (dBm)	MPR (dB)
80 QPSK 1 1 1	18.73	18.73	18.67	20.5	0.0



Par27Q n78_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.75	18.95	19.15	20.5	0.0
100	QPSK	1	137	18.95	19.15	19.35	20.5	0.0
100	QPSK	1	271	19.15	19.35	19.55	20.5	0.0
100	QPSK	135	69	18.93	19.13	19.33	20.5	0.0
100	QPSK	135	138	18.93	19.13	19.33	20.5	0.0
100	QPSK	270	0	18.86	19.06	19.26	20.5	0.0
100	16QAM	1	1	18.87	19.07	19.27	20.5	0.0
100	64QAM	1	1	18.94	19.14	19.34	20.5	0.0
100	256QAM	1	1	18.75	18.95	19.15	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.90	18.91	18.88	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.92	18.94	18.95	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.88	18.08	18.04	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.95	18.98	18.98	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.93	18.94	18.93	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.93	18.95	18.93	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.90	18.95	18.85	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.95	18.95	18.85	20.5	0.0

Part270 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	QPSK	1	1	17.92	18.12	18.12	19.5	0.0
100	QPSK	1	137	18.12	18.32	18.32	19.5	0.0
100	QPSK	1	271	18.32	18.52	18.52	19.5	0.0
100	QPSK	135	69	18.05	18.25	18.25	19.5	0.0
100	QPSK	135	138	18.05	18.25	18.25	19.5	0.0
100	QPSK	270	0	18.02	18.22	18.22	19.5	0.0
100	16QAM	1	1	18.07	18.27	18.27	19.5	0.0
100	64QAM	1	1	18.04	18.24	18.24	19.5	0.0
100	256QAM	1	1	18.03	18.23	18.23	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.06	17.99	18.01	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.88	18.08	18.04	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.89	18.09	18.05	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.99	18.05	18.04	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.99	17.95	18.04	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.01	18.00	18.06	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.05	17.98	18.00	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.09	18.08	18.02	19.5	0.0

Par27Q 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	QPSK	1	1	17.92	18.12	18.12	19.5	0.0
100	QPSK	1	137	18.12	18.32	18.32	19.5	0.0
100	QPSK	1	271	18.32	18.52	18.52	19.5	0.0
100	QPSK	135	69	18.05	18.25	18.25	19.5	0.0
100	QPSK	135	138	18.05	18.25	18.25	19.5	0.0
100	QPSK	270	0	18.04	18.24	18.24	19.5	0.0
100	16QAM	1	1	18.06	18.26	18.26	19.5	0.0
100	64QAM	1	1	18.03	18.23	18.23	19.5	0.0
100	256QAM	1	1	17.97	18.17	18.17	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.02	18.02	18.04	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.87	18.03	18.01	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.87	18.03	18.01	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.03	18.07	17.99	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.03	18.05	18.07	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.01	18.00	17.96	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.97	17.98	17.99	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.02	17.96	18.07	19.5	0.0



Part27O n78_Ant 7

Band (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	DPSK	1	1		14.83			
100	DPSK	1	197		15.32		17.0	0.0
100	DPSK	1	271		15.28			
100	DPSK	135	0		15.26			
100	DPSK	135	69		15.31		17.0	0.0
100	DPSK	135	138		15.30			
100	DPSK	270	0		15.23		17.0	0.0
100	16QAM	1	1		15.19		17.0	0.0
100	16QAM	1	1		15.25		17.0	0.0
100	256QAM	1	1		15.23		17.0	0.0
Channel								
Frequency (MHz)								
50	DPSK	1	1	3145.02	3150	3154.98	17.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	3740.01	3750	3760.99	17.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	3750.02	3760	3769.98	17.0	0.0
Channel								
Frequency (MHz)								
50	DPSK	1	1	3525	3522	3517	17.0	0.0
Channel								
Frequency (MHz)								
50	DPSK	1	1	3525	3524	3518	17.0	0.0
Channel								
Frequency (MHz)								
40	DPSK	1	1	3523	3524	3514	17.0	0.0
Channel								
Frequency (MHz)								
30	DPSK	1	1	3470.02	3480.00	3484.98	17.0	0.0
Channel								
Frequency (MHz)								
30	DPSK	1	1	3470.01	3480	3478.99	17.0	0.0
Channel								
Frequency (MHz)								
20	DPSK	1	1	3525	3525	3515	17.0	0.0

Par27Q n78_Ant 7

Band (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	DPSK	1	1		14.69			
100	DPSK	1	197		14.60		16.0	0.0
100	DPSK	1	271		14.46			
100	DPSK	135	0		14.26			
100	DPSK	135	69		14.58		16.0	0.0
100	DPSK	135	138		14.51			
100	DPSK	270	0		14.48		16.0	0.0
100	16QAM	1	1		14.52		16.0	0.0
100	16QAM	1	1		14.47		16.0	0.0
100	256QAM	1	1		14.42		16.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	8330.00	8333.02	8336.98	16.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	8330.01	8333.00	8336.99	16.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	8330.02	8333.98	8337.00	16.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	8330.03	8333.99	8336.99	16.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	8330.04	8333.92	8336.90	16.0	0.0
Channel								
Frequency (MHz)								
50	DPSK	1	1	8333.04	8333.02	8333.02	16.0	0.0
Channel								
Frequency (MHz)								
40	DPSK	1	1	8447	8453	8452	16.0	0.0
Channel								
Frequency (MHz)								
30	DPSK	1	1	8300	8300.98	8304.99	16.0	0.0
Channel								
Frequency (MHz)								
30	DPSK	1	1	8300.01	8300.98	8300.98	16.0	0.0
Channel								
Frequency (MHz)								
20	DPSK	1	1	8442	8453	8453	16.0	0.0



DSI 3 Power

n41_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 52454	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	23.62	23.62	23.64		
100	QPSK	1	137	23.48	23.54	23.50	25.0	0.0
100	QPSK	1	271	23.37	23.45	23.35		
100	QPSK	135	0	23.74	23.85	23.53		
100	QPSK	135	69	23.45	23.58	23.53	25.0	0.0
100	QPSK	135	138	23.63	23.73	23.68		
100	QPSK	270	0	22.85	22.75	22.65	24.0	1.0
100	16QAM	1	1	22.08	22.11	22.12	24.0	1.0
100	16QAM	1	1	20.80	20.89	20.82	22.5	2.5
100	256QAM	1	1	19.24	19.36	19.29	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.61	23.58	23.54	25.0	0.0
Channel								
Frequency (MHz)								
85	QPSK	1	1	23.60	23.60	23.61	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.57	23.54	23.54	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.02	24.03	24.00	23.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.07	24.06	24.06	23.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.52	24.53	25.7	0.0
Channel								
Frequency (MHz)								
20	P1/2 BPSK	1	1	24.50	24.57	24.50	25.7	0.0

n41_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 526000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	24.53	24.11	24.54		
100	QPSK	1	137	24.40	24.38	24.38	25.7	0.0
100	QPSK	1	271	24.60	24.39	24.26		
100	QPSK	135	0	23.95	23.77	23.37		
100	QPSK	135	69	24.50	24.58	24.50	25.7	0.0
100	QPSK	135	138	23.47	23.63	23.75		
100	QPSK	270	0	23.64	23.66	23.63	24.7	1.0
100	16QAM	1	1	23.26	23.30	22.90	24.7	1.0
100	16QAM	1	1	21.79	21.78	21.48	23.2	2.5
100	256QAM	1	1	20.43	20.51	20.14	21.2	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	24.47	24.57	24.49	25.7	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	24.50	24.58	24.42	25.7	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.02	24.03	24.00	23.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.07	24.06	24.06	23.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.52	24.53	25.7	0.0
Channel								
Frequency (MHz)								
20	P1/2 BPSK	1	1	24.50	24.57	24.50	25.7	0.0

n41_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 526000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	23.61	23.57	23.62		
100	QPSK	1	137	23.48	23.53	23.41	25.0	0.0
100	QPSK	1	271	23.39	23.38	23.30		
100	QPSK	135	0	23.74	23.75	23.62		
100	QPSK	135	69	23.52	23.58	23.43	25.0	0.0
100	QPSK	135	138	22.64	22.64	22.55		
100	QPSK	270	0	22.87	22.73	22.55	24.0	1.0
100	16QAM	1	1	22.03	22.18	22.06	24.0	1.0
100	16QAM	1	1	20.87	20.87	20.59	22.5	2.5
100	256QAM	1	1	19.23	19.34	19.22	20.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	23.54	23.61	23.60	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.60	23.64	23.63	25.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.59	23.54	23.55	25.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	24.02	24.03	24.00	23.7	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	24.07	24.06	24.06	23.7	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	24.54	24.50	24.51	25.7	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	24.47	24.52	24.53	25.7	0.0
Channel								
Frequency (MHz)								
20	P1/2 BPSK	1	1	24.55	23.63	23.63	25.0	0.0



n41_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	QPSK	1	1	2144	2148	2152			
100	QPSK	1	137	2141	2143	2144	22.2	0.0	
100	QPSK	1	271	2143	2140	2135			
100	QPSK	135	69	2132	2131	2107			
100	QPSK	135	69	2139	2142	2114	22.2	0.0	
100	QPSK	135	138	2136	2131	2110			
100	QPSK	270	0	2128	2133	2111	22.2	0.0	
100	16QAM	1	1	2137	2130	2106	22.2	0.0	
100	16QAM	1	1	2135	2135	2113	22.2	0.0	
100	16QAM	1	1	2056	2064	2065	21.2	1.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	2541	2552	2569			
90	QPSK	1	1	2141	2138	2111	22.2	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	2133	2141	2118	22.2	0.0	
Channel									
Frequency (MHz)									
70	QPSK	1	1	2020	2069	2069			
70	QPSK	1	1	2021	2092	2093			
Channel									
Frequency (MHz)									
60	QPSK	1	1	2144	2137	2120	22.2	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	2144	2137	2120	22.2	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2144	2137	2120	22.2	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2134	2147	2111	22.2	0.0	
Channel									
Frequency (MHz)									
20	1/2 BPSK	1	1	2133	2138	2111	22.2	0.0	

Par270 n77_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	QPSK	1	1	2243	2345	2333			
100	QPSK	1	137	2328	2365	2330	25.0	0.0	
100	QPSK	1	271	2327	2330	2334			
100	QPSK	135	69	2318	2355	2315			
100	QPSK	135	69	2315	2354	2337	25.0	0.0	
100	QPSK	135	138	2228	2238	2238			
100	QPSK	270	0	2225	2254	2228	24.0	1.0	
100	16QAM	1	1	2118	2218	2193	24.0	1.0	
100	16QAM	1	1	1922	2056	2037	22.5	2.5	
100	16QAM	1	1	1813	1916	1832	20.5	4.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	2323	2362	2354	25.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	2320	2363	2337	25.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	2325	2357	2330	25.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	2325	2357	2330	25.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	2325	2362	2346	25.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	2326	2358	2333	25.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	2325	2360	2333	25.0	0.0	

Par27Q n77_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	QPSK	1	1			3499.98				
100	QPSK	1	137			22.81	24.0	0.0		
100	QPSK	1	271			22.43				
100	QPSK	135	69			21.52				
100	QPSK	135	69			22.58	24.0	0.0		
100	QPSK	135	138			21.41				
100	QPSK	270	0			21.51	23.0	1.0		
100	16QAM	1	1			21.12	23.0	1.0		
100	16QAM	1	1			19.97	21.5	2.5		
100	16QAM	1	1			18.36	19.5	4.5		
Channel										
Frequency (MHz)										
90	QPSK	1	1			3499.98				
90	QPSK	1	1			22.52	22.58	22.56	24.0	0.0
Channel										
Frequency (MHz)										
80	QPSK	1	1			3499.98				
80	QPSK	1	1			22.58	22.58	22.53	24.0	0.0
Channel										
Frequency (MHz)										
60	QPSK	1	1			3499.98				
60	QPSK	1	1			22.57	22.59	22.53	24.0	0.0
Channel										
Frequency (MHz)										
50	QPSK	1	1			3499.98				
50	QPSK	1	1			22.57	22.59	22.54	24.0	0.0
Channel										
Frequency (MHz)										
40	QPSK	1	1			3499.98				
40	QPSK	1	1			22.54	22.59	22.59	24.0	0.0
Channel										
Frequency (MHz)										
30	QPSK	1	1			3499.98				
30	QPSK	1	1			22.60	22.57	22.60	24.0	0.0
Channel										
Frequency (MHz)										
20	QPSK	1	1			3499.98				
20	QPSK	1	1			22.56	22.56	22.57	24.0	0.0



Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (656000)	Power Middle Ch. / Freq. (656000)	Power High Ch. / Freq. (656000)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.55	18.61	18.64	20.5	0.0
100	QPSK	1	137	18.71	18.79	18.78	20.5	0.0
100	QPSK	1	271	18.69	18.75	18.73	20.5	0.0
100	QPSK	135	69	18.55	18.67	18.69	20.5	0.0
100	QPSK	135	69	18.70	18.75	18.72	20.5	0.0
100	QPSK	270	0	18.64	18.65	18.63	20.5	0.0
100	16QAM	1	1	18.69	18.73	18.69	20.5	0.0
100	16QAM	1	1	18.56	18.53	18.52	20.5	0.0
100	256QAM	1	1	18.48	18.63	18.66	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.61	18.76	18.69	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.68	18.78	18.68	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.56	18.76	18.67	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.55	18.77	18.72	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.67	18.68	18.73	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.68	18.74	18.71	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.64	18.74	18.76	20.5	0.0

Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (633332)	Power Middle Ch. / Freq. (633332)	Power High Ch. / Freq. (633332)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.52	18.52	18.52	20.5	0.0
100	QPSK	1	137	18.15	18.15	18.15	20.5	0.0
100	QPSK	1	271	18.15	18.15	18.15	20.5	0.0
100	QPSK	135	69	18.15	18.15	18.15	20.5	0.0
100	QPSK	135	69	18.15	18.15	18.15	20.5	0.0
100	QPSK	270	0	18.17	18.17	18.17	20.5	0.0
100	16QAM	1	1	18.09	18.09	18.09	20.5	0.0
100	16QAM	1	1	18.16	18.16	18.16	20.5	0.0
100	256QAM	1	1	18.07	18.07	18.07	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.16	18.16	18.11	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.16	18.15	18.10	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.09	18.09	18.19	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.09	18.12	18.14	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.17	18.17	18.16	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.16	18.16	18.11	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.07	18.15	18.15	20.5	0.0

Par27Q n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. (656000)	Power Middle Ch. / Freq. (656000)	Power High Ch. / Freq. (656000)	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	17.83	18.12	18.12	20.0	0.0
100	QPSK	1	137	18.03	18.31	18.26	20.0	0.0
100	QPSK	1	271	17.86	18.23	18.15	20.0	0.0
100	QPSK	135	69	17.85	18.27	18.16	20.0	0.0
100	QPSK	135	69	18.01	18.29	18.24	20.0	0.0
100	QPSK	270	0	17.88	18.19	18.06	20.0	0.0
100	16QAM	1	1	17.89	18.15	18.03	20.0	0.0
100	16QAM	1	1	17.91	18.21	18.05	20.0	0.0
100	256QAM	1	1	17.85	18.20	18.14	20.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.01	18.20	18.17	20.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.87	18.22	18.19	20.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.02	18.19	18.25	20.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.92	18.25	18.18	20.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.99	18.29	18.16	20.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.85	18.24	18.19	20.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.00	18.19	18.16	20.0	0.0



Par27Q n77_Ant 6									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	17.50	18.00	18.50	19.5	0.0	
100	QPSK	1	137	18.10	18.60	19.10	19.5	0.0	
100	QPSK	1	271	18.05	18.55	19.05	19.5	0.0	
100	QPSK	135	69	18.05	18.55	19.05	19.5	0.0	
100	QPSK	135	138	17.98	18.48	18.98	19.5	0.0	
100	QPSK	270	0	18.00	18.50	19.00	19.5	0.0	
100	16QAM	1	1	18.05	18.55	19.05	19.5	0.0	
100	64QAM	1	1	17.99	18.49	18.99	19.5	0.0	
100	256QAM	1	1	17.93	18.43	18.93	19.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.02	17.99	18.07	19.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.02	18.04	18.06	19.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	18.05	18.04	18.04	19.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	18.01	17.99	18.01	19.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.01	17.99	18.01	19.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.07	17.99	18.03	19.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.05	18.06	17.98	19.5	0.0	

Par270 n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	20.25	20.75	20.18	22.5	0.0	
100	QPSK	1	271	20.35	20.17	19.83	22.5	0.0	
100	QPSK	135	0	19.95	19.75	19.55	22.5	0.0	
100	QPSK	135	69	20.61	20.73	20.51	22.5	0.0	
100	QPSK	135	138	19.71	19.60	19.54	22.5	0.0	
100	QPSK	270	0	20.56	20.58	19.99	22.5	0.0	
100	16QAM	1	1	19.81	20.38	19.78	22.5	0.0	
100	64QAM	1	1	19.75	20.28	19.69	22.5	0.0	
100	256QAM	1	1	18.77	19.23	18.71	21.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.65	20.76	20.23	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.69	20.72	20.14	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.69	20.70	20.14	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.59	20.74	20.13	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.63	20.72	20.18	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.63	20.71	20.20	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.62	20.71	20.19	22.5	0.0	

Par27Q n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	19.72	19.72	19.72	21.5	0.0	
100	QPSK	1	137	20.10	20.10	20.10	21.5	0.0	
100	QPSK	1	271	20.05	20.05	20.05	21.5	0.0	
100	QPSK	135	69	19.95	19.95	19.95	21.5	0.0	
100	QPSK	135	138	19.95	19.95	19.95	21.5	0.0	
100	QPSK	270	0	20.02	20.02	20.02	21.5	0.0	
100	16QAM	1	1	19.41	19.41	19.41	21.5	0.0	
100	64QAM	1	1	19.40	19.40	19.40	21.5	0.0	
100	256QAM	1	1	18.48	18.48	18.48	20.0	1.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.04	20.02	20.00	21.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	19.99	20.02	20.01	21.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.04	20.07	20.18	21.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.01	20.00	20.09	21.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.07	20.04	20.02	21.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.02	20.02	20.04	21.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.07	20.00	19.98	21.5	0.0	



Part270 n78_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	22.52	22.52	22.52		
100	QPSK	1	137	23.21	23.21	23.21	24.5	0.0
100	QPSK	1	271	23.19	23.19	23.19		
100	QPSK	135	69	21.88	21.88	21.88	24.5	0.0
100	QPSK	135	69	23.16	23.16	23.16		
100	QPSK	135	138	22.26	22.26	22.26		
100	QPSK	270	0	22.68	22.68	22.68	23.5	1.0
100	16QAM	1	1	21.27	21.27	21.27	23.5	1.0
100	64QAM	1	1	19.72	19.72	19.72	22.0	2.5
100	256QAM	1	1	18.26	18.26	18.26	20.0	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	24.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	23.12	23.20	23.13	24.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	23.18	23.13	23.20	24.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	23.14	23.14	23.16	24.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	23.14	23.15	23.14	24.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	23.13	23.13	23.12	24.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	23.16	23.16	23.14	24.5	0.0

Part27Q n78_Ant 1

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	22.53	22.53	22.53		
100	QPSK	1	137	22.62	22.62	22.62	24.0	0.0
100	QPSK	1	271	22.52	22.52	22.52		
100	QPSK	135	69	21.65	21.65	21.65	24.0	0.0
100	QPSK	135	69	22.62	22.62	22.62		
100	QPSK	135	138	21.52	21.52	21.52		
100	QPSK	270	0	21.62	21.62	21.62	23.0	1.0
100	16QAM	1	1	21.22	21.22	21.22	23.0	1.0
100	64QAM	1	1	19.71	19.71	19.71	21.5	2.5
100	256QAM	1	1	18.27	18.27	18.27	19.5	4.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	3890.02	3895	3899.98	24.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	22.57	22.68	22.58	24.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	22.61	22.54	22.54	24.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	22.54	22.52	22.52	24.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	22.50	22.56	22.57	24.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	22.50	22.52	22.53	24.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	22.57	22.53	22.57	24.0	0.0

Part270 n78_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.55	18.55	18.55		
100	QPSK	1	137	18.75	18.75	18.75	20.5	0.0
100	QPSK	1	271	18.63	18.63	18.63		
100	QPSK	135	69	18.71	18.71	18.71	20.5	0.0
100	QPSK	135	69	18.73	18.73	18.73		
100	QPSK	135	138	18.64	18.64	18.64		
100	QPSK	270	0	18.69	18.69	18.69	20.5	0.0
100	16QAM	1	1	18.71	18.71	18.71	20.5	0.0
100	64QAM	1	1	18.63	18.63	18.63	20.5	0.0
100	256QAM	1	1	18.74	18.74	18.74	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	3745.02	3750	3754.98	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.69	18.72	18.68	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.74	18.69	18.65	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.67	18.66	18.63	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.63	18.64	18.68	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.73	18.74	18.70	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.73	18.73	18.67	20.5	0.0



Par27Q n78_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.75	18.95	19.15	20.5	0.0
100	QPSK	1	137	18.95	19.15	19.35		
100	QPSK	1	271	19.35	19.55	19.75		
100	QPSK	135	69	18.93	19.13	19.33	20.5	0.0
100	QPSK	135	135	18.93	19.13	19.33		
100	QPSK	270	0	18.86	19.06	19.26	20.5	0.0
100	16QAM	1	1	18.87	19.07	19.27	20.5	0.0
100	64QAM	1	1	18.94	19.14	19.34	20.5	0.0
100	256QAM	1	1	18.75	18.95	19.15	20.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.90	18.91	18.88	20.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	18.92	18.94	18.95	20.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.95	18.98	18.99	20.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.93	18.94	18.93	20.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.93	18.95	18.93	20.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.90	18.95	18.85	20.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.95	18.95	18.85	20.5	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	QPSK	1	1	17.92	18.12	18.32	19.5	0.0
100	QPSK	1	137	18.12	18.32	18.52		
100	QPSK	1	271	18.32	18.52	18.72		
100	QPSK	135	69	18.05	18.25	18.45	19.5	0.0
100	QPSK	135	135	18.05	18.25	18.45		
100	QPSK	270	0	18.02	18.22	18.42	19.5	0.0
100	16QAM	1	1	18.07	18.27	18.47	19.5	0.0
100	64QAM	1	1	18.04	18.24	18.44	19.5	0.0
100	256QAM	1	1	18.03	18.23	18.43	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.06	17.99	18.01	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.89	18.08	18.04	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.99	18.05	18.04	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.99	17.95	18.04	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.01	18.00	18.06	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	18.05	17.98	18.00	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.09	18.08	18.02	19.5	0.0

Par27Q 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	QPSK	1	1	17.92	18.12	18.32	19.5	0.0
100	QPSK	1	137	18.12	18.32	18.52		
100	QPSK	1	271	18.32	18.52	18.72		
100	QPSK	135	69	18.05	18.25	18.45	19.5	0.0
100	QPSK	135	135	18.05	18.25	18.45		
100	QPSK	270	0	18.04	18.24	18.44	19.5	0.0
100	16QAM	1	1	18.06	18.26	18.46	19.5	0.0
100	64QAM	1	1	18.03	18.23	18.43	19.5	0.0
100	256QAM	1	1	18.07	18.27	18.47	19.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.02	18.02	18.04	19.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.97	18.03	18.01	19.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	18.03	18.07	17.99	19.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	18.03	18.05	18.07	19.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	18.01	18.00	17.96	19.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.97	17.98	17.99	19.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	18.02	17.96	18.07	19.5	0.0



Part27Q n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MRR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	20.10			
100	QPSK	1	137	20.02			22.5
100	QPSK	1	271	20.08			
100	QPSK	135	69	20.05			
100	QPSK	135	69	20.09			22.5
100	QPSK	270	0	20.08			0.0
100	16QAM	1	1	19.77			22.5
100	16QAM	1	1	19.81			0.0
100	256QAM	1	1	18.32			21.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.07	20.02	20.07	22.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.05	20.04	20.01	22.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	20.51	20.51	20.51	22.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.00	20.02	20.01	22.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.02	20.06	20.01	22.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.07	20.00	20.01	22.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.05	20.03	20.06	22.5

Par27Q n78_Ant 7							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MRR (dB)
Channel							
Frequency (MHz)							
100	QPSK	1	1	19.27			
100	QPSK	1	137	20.13			21.5
100	QPSK	1	271	20.02			
100	QPSK	135	69	20.11			
100	QPSK	135	69	20.12			21.5
100	QPSK	135	136	20.05			
100	QPSK	270	0	20.08			21.5
100	16QAM	1	1	20.06			21.5
100	16QAM	1	1	20.09			21.5
100	256QAM	1	1	18.18			20.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	20.01	20.08	20.02	21.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.05	20.02	20.01	21.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	20.03	20.02	20.07	21.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	20.00	20.03	20.00	21.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	20.02	20.09	20.02	21.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	20.10	20.05	20.02	21.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	20.11	20.03	20.12	21.5



DSI 4 Power

n41_Ant 1								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 566002	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	18.53	17.03	18.83		
100	QPSK	1	137	18.85	18.98	18.85	18.5	0.0
100	QPSK	1	271	18.84	18.99	18.82		
100	QPSK	135	0	18.85	18.97	18.75		
100	QPSK	135	69	18.87	18.96	18.81	18.5	0.0
100	QPSK	135	138	18.78	18.88	18.73		
100	QPSK	270	0	18.77	18.89	18.74	18.5	0.0
100	16QAM	1	1	18.82	18.95	18.75	18.5	0.0
100	64QAM	1	1	18.76	18.98	18.81	18.5	0.0
100	256QAM	1	1	18.76	18.86	18.77	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	18.89	18.96	18.84	18.5	0.0
Channel								
Frequency (MHz)								
85	QPSK	1	1	18.87	18.97	18.83	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.20	20.28	20.18	21.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.19	20.21	19.86	21.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.17	20.25	19.81	21.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.20	20.22	19.83	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.16	20.21	19.81	21.2	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	20.24	20.20	19.85	21.2	0.0

n41_Ant 2								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 566002	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	20.29	20.27	19.87		
100	QPSK	1	137	20.19	20.22	19.81	21.2	0.0
100	QPSK	1	271	20.18	20.22	19.80		
100	QPSK	135	0	20.05	20.09	19.75		
100	QPSK	135	69	20.13	20.15	19.79	21.2	0.0
100	QPSK	135	138	20.01	20.10	19.75		
100	QPSK	270	0	20.12	20.13	19.75	21.2	0.0
100	16QAM	1	1	19.85	19.92	19.77	21.2	0.0
100	64QAM	1	1	19.48	19.75	19.71	21.2	0.0
100	256QAM	1	1	19.13	19.21	19.18	21.2	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	20.17	20.20	19.83	21.2	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	20.20	20.28	19.78	21.2	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.19	20.21	19.86	21.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.17	20.25	19.81	21.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.20	20.22	19.83	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.16	20.21	19.81	21.2	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	20.24	20.20	19.85	21.2	0.0

n41_Ant 3								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 566002	Power Middle Ch. Freq. 518598	Power High Ch. Freq. 566002	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	19.45	19.61	19.45		
100	QPSK	1	137	19.38	19.57	19.57	21.0	0.0
100	QPSK	1	271	19.38	19.50	19.48		
100	QPSK	135	0	19.35	19.51	19.45		
100	QPSK	135	69	19.36	19.54	19.48	21.0	0.0
100	QPSK	135	138	19.30	19.45	19.47		
100	QPSK	270	0	19.24	19.50	19.42	21.0	0.0
100	16QAM	1	1	19.14	19.48	19.31	21.0	0.0
100	64QAM	1	1	19.23	19.38	19.35	21.0	0.0
100	256QAM	1	1	19.47	19.53	19.52	20.5	0.5
Channel								
Frequency (MHz)								
90	QPSK	1	1	19.13	19.31	19.30	21.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	19.16	19.34	19.35	21.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	20.20	20.22	19.80	21.2	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	20.17	20.25	19.81	21.2	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	20.20	20.22	19.83	21.2	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	20.16	20.21	19.81	21.2	0.0
Channel								
Frequency (MHz)								
20	P12 BPSK	1	1	20.24	20.20	19.85	21.2	0.0



n41_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	QPSK	1	1	18.85	18.87	18.86	19.7	0.0	
100	QPSK	1	137	18.77	18.75	18.82			
100	QPSK	1	271	18.81	18.81	18.84			
100	QPSK	135	0	18.75	18.73	18.82			
100	QPSK	135	69	18.76	18.76	18.81	19.7	0.0	
100	QPSK	135	138	18.84	18.72	18.84			
100	QPSK	270	0	18.71	18.73	18.80	19.7	0.0	
100	16QAM	1	1	18.87	18.82	18.38	19.7	0.0	
100	16QAM	1	1	18.76	18.71	18.47	19.7	0.0	
100	256QAM	1	1	18.80	18.56	18.33	19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.61	18.77	18.87	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.77	18.76	18.56	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.79	18.80	18.82	19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.82	18.82	18.84	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.76	18.76	18.81	19.7	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.81	18.82	18.59	19.7	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.81	18.82	18.59	19.7	0.0	
Channel									
Frequency (MHz)									
80	16QAM	1	1	18.84	18.83	18.84	19.7	0.0	
Channel									
Frequency (MHz)									
80	16QAM	1	1	18.84	18.83	18.84	19.7	0.0	

Par270 n77_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	QPSK	1	1	18.82	18.34	18.26			
100	QPSK	1	137	18.28	18.42	18.34	18.0	0.0	
100	QPSK	1	271	18.85	18.29	18.27			
100	QPSK	135	0	18.92	18.39	18.31			
100	QPSK	135	69	18.93	18.40	18.32	18.0	0.0	
100	QPSK	135	138	18.82	18.19	18.17			
100	QPSK	270	0	18.87	18.31	18.27	18.0	0.0	
100	16QAM	1	1	18.55	18.53	18.56	18.0	0.0	
100	16QAM	1	1	18.55	18.56	18.11	18.0	0.0	
100	256QAM	1	1	18.79	18.25	18.21	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.61	18.90	18.98	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.86	18.90	18.92	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.84	18.90	18.92	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.55	18.56	18.66	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.82	18.92	18.93	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.54	18.53	18.10	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.51	18.55	18.50	18.0	0.0	

Par27Q n77_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	QPSK	1	1			18.30			
100	QPSK	1	138			18.20	17.0	0.0	
100	QPSK	1	271			18.50			
100	QPSK	135	0			18.52			
100	QPSK	135	69			18.50	17.0	0.0	
100	QPSK	135	138			18.53			
100	QPSK	270	0			18.53	17.0	0.0	
100	16QAM	1	1			18.50	17.0	0.0	
100	16QAM	1	1			18.40	17.0	0.0	
100	256QAM	1	1			18.40	17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.44	18.49	18.48	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.90	18.93	18.91	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.92	18.93	18.97	17.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	18.95	18.98	18.99	17.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	18.38	18.41	18.45	17.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	18.41	18.47	18.42	17.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	18.30	18.40	18.38	17.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	18.40	18.43	18.40	17.0	0.0	



Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 656000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 656000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	16.58	16.60	16.55		
100	QPSK	1	137	16.65	16.67	16.65	18.5	0.0
100	QPSK	1	271	16.56	16.58	16.61		
100	QPSK	135	69	16.53	16.59	16.56	18.5	0.0
100	QPSK	270	0	16.60	16.64	16.63		
100	QPSK	135	138	16.51	16.55	16.56		
100	QPSK	270	0	16.58	16.60	16.59	18.5	0.0
100	16QAM	1	1	16.44	16.48	16.58	18.5	0.0
100	64QAM	1	1	16.44	16.48	16.51	18.5	0.0
100	256QAM	1	1	16.51	16.58	16.52	18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	16.59	16.62	16.55	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.61	16.57	16.64	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.60	16.54	16.60	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	16.52	16.50	16.57	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.59	16.56	16.55	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	16.59	16.61	16.65	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.54	16.60	16.54	18.5	0.0

Par27Q n77_Ant 5

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 633332	Power Middle Ch. Freq. 633332	Power High Ch. Freq. 633332	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	17.22				
100	QPSK	1	137	17.23			18.5	0.0
100	QPSK	1	271	17.18				
100	QPSK	135	69	17.15			18.5	0.0
100	QPSK	270	0	17.22				
100	QPSK	135	138	17.21			18.5	0.0
100	16QAM	1	1	17.12			18.5	0.0
100	64QAM	1	1	17.15			18.5	0.0
100	256QAM	1	1	17.05			18.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	17.13	17.13	17.17	18.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	17.21	17.14	17.17	18.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	17.18	16.98	17.19	18.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	17.13	17.11	17.12	18.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	17.20	17.13	17.21	18.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	17.21	17.13	17.21	18.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	17.21	17.17	17.12	18.5	0.0

Par27Q n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. Freq. 656000	Power Middle Ch. Freq. 656000	Power High Ch. Freq. 656000	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	15.97	15.94	15.98		
100	QPSK	1	137	16.07	16.11	16.05	18.0	0.0
100	QPSK	1	271	16.04	16.05	16.04		
100	QPSK	135	69	16.01	16.01	16.00	18.0	0.0
100	QPSK	270	0	16.03	16.04	16.01		
100	QPSK	135	138	16.00	16.00	16.00		
100	QPSK	270	0	16.03	16.04	16.01	18.0	0.0
100	16QAM	1	1	16.04	16.07	16.00	18.0	0.0
100	64QAM	1	1	16.00	16.00	16.04	18.0	0.0
100	256QAM	1	1	15.93	15.93	15.90	18.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.97	16.00	16.03	18.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	16.05	16.01	16.02	18.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	16.05	16.00	16.04	18.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.99	15.99	16.02	18.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	16.06	16.06	15.96	18.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.96	16.10	15.98	18.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	16.01	16.05	15.97	18.0	0.0



Par27Q n77_Ant 6

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	15.50	16.00	16.50	17.5	0.0
100	QPSK	1	137	16.04	16.54	17.04	17.5	0.0
100	QPSK	1	271	16.58	17.08	17.58	17.5	0.0
100	QPSK	135	69	16.01	16.51	17.01	17.5	0.0
100	QPSK	135	69	16.02	16.52	17.02	17.5	0.0
100	QPSK	135	138	15.98	16.48	16.98	17.5	0.0
100	QPSK	270	0	16.03	16.53	17.03	17.5	0.0
100	16QAM	1	1	15.98	16.48	16.98	17.5	0.0
100	16QAM	1	1	15.98	16.48	16.98	17.5	0.0
100	256QAM	1	1	15.96	16.46	16.96	17.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	15.99	16.49	16.99	17.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	15.92	16.42	16.92	17.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	15.95	16.45	16.95	17.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	15.97	16.47	16.97	17.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	15.93	16.43	16.93	17.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	15.93	16.43	16.93	17.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	15.96	16.46	16.96	17.5	0.0

Par27Q n77_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	14.83	14.90	14.97	17.0	0.0
100	QPSK	1	137	15.30	15.36	15.42	17.0	0.0
100	QPSK	1	271	14.20	14.26	14.32	17.0	0.0
100	QPSK	135	69	14.95	15.01	15.07	17.0	0.0
100	QPSK	135	69	15.22	15.28	15.34	17.0	0.0
100	QPSK	135	138	14.98	15.04	15.10	17.0	0.0
100	QPSK	270	0	15.01	15.07	15.13	17.0	0.0
100	16QAM	1	1	14.80	14.87	14.94	17.0	0.0
100	16QAM	1	1	14.85	14.92	14.99	17.0	0.0
100	256QAM	1	1	15.25	15.32	15.39	17.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.74	14.81	14.88	17.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.77	14.84	14.91	17.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.81	14.88	14.95	17.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.71	14.78	14.85	17.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.77	14.84	14.91	17.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.78	14.85	14.92	17.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.81	14.88	14.95	17.0	0.0

Par27Q n77_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	14.54	14.61	14.68	16.0	0.0
100	QPSK	1	137	14.81	14.88	14.95	16.0	0.0
100	QPSK	1	271	14.49	14.56	14.63	16.0	0.0
100	QPSK	135	69	14.51	14.58	14.65	16.0	0.0
100	QPSK	135	69	14.54	14.61	14.68	16.0	0.0
100	QPSK	135	138	14.52	14.59	14.66	16.0	0.0
100	QPSK	270	0	14.55	14.62	14.69	16.0	0.0
100	16QAM	1	1	14.70	14.77	14.84	16.0	0.0
100	16QAM	1	1	14.21	14.28	14.35	16.0	0.0
100	256QAM	1	1	14.58	14.65	14.72	16.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	14.28	14.35	14.42	16.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	14.27	14.34	14.41	16.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	14.27	14.34	14.41	16.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	14.24	14.31	14.38	16.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	14.29	14.36	14.43	16.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	14.29	14.36	14.43	16.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	14.23	14.30	14.37	16.0	0.0



Part270 n78_Ant 1

Channel	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					
Frequency (MHz)	3150				
100 QPSK	1	1	15.54		
100 QPSK	1	137	15.10	17.5	0.0
100 QPSK	1	271	15.00		
100 QPSK	135	0	15.04		
100 QPSK	135	69	15.12	17.5	0.0
100 QPSK	135	138	15.08		
100 QPSK	270	0	15.06	17.5	0.0
100 16QAM	1	1	15.06	17.5	0.0
100 16QAM	1	1	15.06	17.5	0.0
100 256QAM	1	1	15.06	17.5	0.0
Channel	549580	550000	550332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3745.52	3750	3754.58		
80 QPSK	1	1	15.05	15.99	15.00
Channel	545333	545333	545333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3740.01	3750	3759.99		
80 QPSK	1	1	15.05	15.01	15.94
Channel	545333	545333	545333	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3730.02	3750	3759.98		
80 QPSK	1	1	15.41	15.97	15.43
Channel	544834	544834	544834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3725.03	3750	3754.97		
80 QPSK	1	1	15.04	15.05	15.95
Channel	544834	544834	544834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3720.04	3750	3754.96		
80 QPSK	1	1	15.04	15.97	15.00
Channel	540000	550000	550000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3715.02	3750	3784.98		
80 QPSK	1	1	15.05	15.03	15.94
Channel	541000	541000	541000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3710.01	3750	3780.99		
80 QPSK	1	1	15.09	15.00	15.99
Channel	541334	550000	550000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3710.01	3750	3780.99		
80 QPSK	1	1	15.05	15.90	15.94

Par27Q n78_Ant 1

Channel	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					
Frequency (MHz)	3154				
100 QPSK	1	1	15.14		
100 QPSK	1	137	15.02	17.0	0.0
100 QPSK	1	271	15.06		
100 QPSK	135	0	15.49		
100 QPSK	135	69	15.05	17.0	0.0
100 QPSK	135	138	15.53		
100 QPSK	270	0	15.51	17.0	0.0
100 16QAM	1	1	15.45	17.0	0.0
100 16QAM	1	1	15.45	17.0	0.0
100 256QAM	1	1	15.45	17.0	0.0
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490	3495.88	3499.88		
80 QPSK	1	1	15.48	15.55	15.43
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490.02	3499.88	3510.00		
80 QPSK	1	1	15.41	15.97	15.43
Channel	633000	633332	633666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490	3499.88	3519.76		
80 QPSK	1	1	15.41	15.50	15.47
Channel	631668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490.00	3499.88	3500.00		
80 QPSK	1	1	15.40	15.50	15.40
Channel	631334	633332	635332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490.01	3499.88	3509.88		
40 QPSK	1	1	15.45	15.53	15.43
Channel	631000	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490	3499.88	3534.88		
30 QPSK	1	1	15.40	15.55	15.40
Channel	630668	633332	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3490	15.40	15.47		
20 QPSK	1	1	15.53	15.52	15.45

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Channel	Power Low Ch. / Freq.	Power Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					
Frequency (MHz)	3750				
100 QPSK	1	1	15.00		
100 QPSK	1	138	15.02	18.0	0.0
100 QPSK	1	271	15.07		
100 QPSK	135	0	15.07		
100 QPSK	135	69	15.08	18.0	0.0
100 QPSK	135	138	15.01		
100 QPSK	270	0	15.00	18.0	0.0
100 16QAM	1	1	15.05	18.0	0.0
100 16QAM	1	1	15.05	18.0	0.0
100 256QAM	1	1	15.05	18.0	0.0
Channel	549580	550000	550332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3745.52	3750	3754.58		
80 QPSK	1	1	15.05	15.07	15.00
Channel	545334	550000	550000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3740.01	3750	3759.99		
80 QPSK	1	1	15.01	15.02	15.01
Channel	545334	550000	550332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3730.02	3750	3759.98		
80 QPSK	1	1	15.10	15.05	15.10
Channel	544834	550000	551000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3725.03	3750	3754.99		
80 QPSK	1	1	15.10	15.04	15.08
Channel	540000	550000	550000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3715.02	3750	3784.98		
40 QPSK	1	1	15.09	15.04	15.03
Channel	541000	550000	550000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3710.01	3750	3780.99		
30 QPSK	1	1	15.10	15.00	15.00
Channel	541334	550000	550000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)	3710.01	3750	3780.99		
20 QPSK	1	1	15.05	15.10	15.05



Par27Q n78_Ant 5							
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	QPSK	1	1	16.15	16.33	16.51	18.0
100	QPSK	1	137	16.36	16.54	16.72	18.0
100	QPSK	1	271	16.57	16.75	16.93	18.0
100	QPSK	135	69	16.33	16.51	16.69	18.0
100	QPSK	135	138	16.26	16.44	16.62	18.0
100	QPSK	270	0	16.24	16.42	16.60	18.0
100	16QAM	1	1	16.28	16.46	16.64	18.0
100	64QAM	1	1	16.35	16.53	16.71	18.0
100	256QAM	1	1	16.29	16.47	16.65	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.28	16.46	16.64	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.28	16.46	16.64	18.0
Channel							
Frequency (MHz)							
74.31	QPSK	1	1	16.33	16.51	16.69	18.0
Channel							
Frequency (MHz)							
63.1668	QPSK	1	1	16.33	16.51	16.69	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.29	16.47	16.65	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	16.33	16.51	16.69	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.32	16.50	16.68	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	16.27	16.45	16.63	18.0

Part270 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							
Frequency (MHz)							
100	QPSK	1	1	16.04	16.22	16.40	18.0
100	QPSK	1	137	16.25	16.43	16.61	18.0
100	QPSK	1	271	16.46	16.64	16.82	18.0
100	QPSK	135	69	16.22	16.40	16.58	18.0
100	QPSK	135	138	16.15	16.33	16.51	18.0
100	QPSK	270	0	16.13	16.31	16.49	18.0
100	16QAM	1	1	16.17	16.35	16.53	18.0
100	64QAM	1	1	16.24	16.42	16.60	18.0
100	256QAM	1	1	16.16	16.34	16.52	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.04	16.22	16.40	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.03	16.21	16.39	18.0
Channel							
Frequency (MHz)							
74.31	QPSK	1	1	16.08	16.26	16.44	18.0
Channel							
Frequency (MHz)							
63.1668	QPSK	1	1	16.08	16.26	16.44	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.02	16.20	16.38	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	16.06	16.24	16.42	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.05	16.23	16.41	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.99	16.17	16.35	18.0

Par27Q 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							
Frequency (MHz)							
100	QPSK	1	1	16.42	16.60	16.78	18.0
100	QPSK	1	137	16.63	16.81	16.99	18.0
100	QPSK	1	271	16.84	17.02	17.20	18.0
100	QPSK	135	69	16.60	16.78	16.96	18.0
100	QPSK	135	138	16.53	16.71	16.89	18.0
100	QPSK	270	0	16.51	16.69	16.87	18.0
100	16QAM	1	1	16.55	16.73	16.91	18.0
100	64QAM	1	1	16.62	16.80	16.98	18.0
100	256QAM	1	1	16.54	16.72	16.90	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.43	16.61	16.79	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.42	16.60	16.78	18.0
Channel							
Frequency (MHz)							
74.31	QPSK	1	1	16.47	16.65	16.83	18.0
Channel							
Frequency (MHz)							
63.1668	QPSK	1	1	16.47	16.65	16.83	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.41	16.59	16.77	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	16.45	16.63	16.81	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.44	16.62	16.80	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	16.43	16.61	16.79	18.0



Part27O n78_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	DPSK	1	1		14.83			
100	DPSK	1	197		15.32		17.0	0.0
100	DPSK	1	271		15.28			
100	DPSK	135	0		15.26		17.0	0.0
100	DPSK	135	69		15.31			
100	DPSK	135	138		15.30		17.0	0.0
100	DPSK	270	0		15.23		17.0	0.0
100	16QAM	1	1		15.19		17.0	0.0
100	16QAM	1	1		15.25		17.0	0.0
100	256QAM	1	1		15.23		17.0	0.0
Channel								
Frequency (MHz)								
50	DPSK	1	1	3145.02	3150	3154.98		
Channel								
Frequency (MHz)								
80	DPSK	1	1	3145.01	3150	3154.99		
Channel								
Frequency (MHz)								
80	DPSK	1	1	3152.23	3157	3161.77		
Channel								
Frequency (MHz)								
50	DPSK	1	1	3152.23	3157	3161.77		
Channel								
Frequency (MHz)								
50	DPSK	1	1	3152.23	3157	3161.77		
Channel								
Frequency (MHz)								
50	DPSK	1	1	3152.23	3157	3161.77		
Channel								
Frequency (MHz)								
30	DPSK	1	1	3152.23	3157	3161.77		
Channel								
Frequency (MHz)								
20	DPSK	1	1	3152.23	3157	3161.77		

Par27Q n78_Ant 7

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power High Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	DPSK	1	1		14.69			
100	DPSK	1	197		14.69		16.0	0.0
100	DPSK	1	271		14.46			
100	DPSK	135	0		14.26		16.0	0.0
100	DPSK	135	69		14.58			
100	DPSK	135	138		14.51		17.0	0.0
100	DPSK	270	0		14.48		16.0	0.0
100	16QAM	1	1		14.52		16.0	0.0
100	16QAM	1	1		14.47		16.0	0.0
100	256QAM	1	1		14.42		16.0	0.0
Channel								
Frequency (MHz)								
80	DPSK	1	1	6330.00	6333.02	6336.04		
Channel								
Frequency (MHz)								
80	DPSK	1	1	6330.00	6333.02	6336.04		
Channel								
Frequency (MHz)								
80	DPSK	1	1	6333.02	6336.04	6339.06		
Channel								
Frequency (MHz)								
60	DPSK	1	1	6333.02	6336.04	6339.06		
Channel								
Frequency (MHz)								
50	DPSK	1	1	6333.02	6336.04	6339.06		
Channel								
Frequency (MHz)								
40	DPSK	1	1	6333.02	6336.04	6339.06		
Channel								
Frequency (MHz)								
30	DPSK	1	1	6333.02	6336.04	6339.06		
Channel								
Frequency (MHz)								
20	DPSK	1	1	6333.02	6336.04	6339.06		

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Band 41_Ant 1										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2566	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.00	22.06	22.12	22.02	22.07		
20	QPSK	1	49	21.80	21.86	22.05	21.98	21.99	23	0
20	QPSK	1	99	21.97	21.97	21.99	21.95	22.05		
20	QPSK	50	0	21.02	21.09	22.07	21.89	21.95		
20	QPSK	50	24	21.86	21.96	22.01	21.87	21.92	23	0
20	QPSK	50	50	21.85	21.92	21.99	21.81	21.92		
20	QPSK	100	0	21.87	21.88	22.01	21.86	21.95		
20	16QAM	1	0	21.91	21.97	22.00	21.87	21.90		
20	16QAM	1	49	21.80	21.88	22.04	21.79	21.94	23	0
20	16QAM	1	99	21.81	21.87	21.98	21.87	21.95		
20	16QAM	50	0	21.38	21.47	21.52	21.31	21.33		
20	16QAM	50	24	21.40	21.47	21.44	21.37	21.40		
20	16QAM	50	50	21.39	21.42	21.55	21.29	21.38	22.5	0.5
20	16QAM	100	0	21.38	21.46	21.56	21.34	21.45		
20	64QAM	1	0	21.41	21.44	21.56	21.33	21.40		
20	64QAM	1	49	21.41	21.36	21.46	21.37	21.42	22.5	0.5
20	64QAM	1	99	21.30	21.48	21.54	21.37	21.40		
20	64QAM	50	0	20.33	20.40	20.52	20.37	20.45		
20	64QAM	50	24	20.41	20.48	20.45	20.27	20.40		
20	64QAM	50	50	20.38	20.41	20.45	20.28	20.44	21.5	1.5
20	64QAM	100	0	20.35	20.37	20.44	20.38	20.43		
Channel				39725	40173	40620	41058	41513	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.05	22.08	22.06	22.10	22.09		
15	QPSK	1	37	22.04	22.01	22.00	22.01	22.03	23	0
15	QPSK	1	74	21.97	21.94	21.92	21.91	21.98		
15	QPSK	36	0	22.01	21.98	22.06	22.02	22.02		
15	QPSK	36	20	21.96	21.91	21.92	21.94	21.98	23	0
15	QPSK	36	39	21.89	21.97	21.93	21.95	21.95		
15	QPSK	75	0	21.91	21.95	21.98	21.99	21.93		
15	16QAM	1	0	21.99	21.96	21.98	21.98	21.91		
15	16QAM	1	0	21.46	21.52	21.49	21.46	21.46	23	0
15	16QAM	1	74	21.97	21.92	21.97	21.90	21.95		
15	16QAM	36	0	21.49	21.47	21.50	21.47	21.47		
15	16QAM	36	20	21.36	21.35	21.36	21.38	21.34		
15	16QAM	36	39	21.50	21.51	21.49	21.46	21.51	22.5	0.5
15	16QAM	75	0	21.50	21.47	21.48	21.48	21.46		
15	64QAM	1	0	21.52	21.49	21.46	21.46	21.46		
15	64QAM	1	37	21.41	21.38	21.38	21.45	21.41	22.5	0.5
15	64QAM	1	74	21.47	21.45	21.53	21.46	21.45		
15	64QAM	36	0	20.46	20.43	20.46	20.46	20.50		
15	64QAM	36	20	20.36	20.37	20.35	20.38	20.39		
15	64QAM	36	39	20.43	20.43	20.42	20.37	20.44	21.5	1.5
15	64QAM	75	0	20.35	20.40	20.42	20.38	20.37		
Channel				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.05	22.10	22.07	22.05	22.05		
10	QPSK	1	25	21.97	22.03	22.02	21.98	22.03	23	0
10	QPSK	1	49	21.93	21.90	21.92	21.90	21.93		
10	QPSK	25	0	22.02	21.98	22.01	22.05	22.05		
10	QPSK	25	12	21.99	21.93	21.92	21.94	21.92	23	0
10	QPSK	25	25	21.96	21.91	21.89	21.92	21.96		
10	QPSK	50	0	21.98	21.99	21.97	22.00	21.97		
10	16QAM	1	0	21.98	21.91	21.91	21.98	21.95		
10	16QAM	1	25	22.03	21.95	21.98	21.97	22.00	23	0
10	16QAM	1	49	21.97	21.88	21.92	21.96	21.96		
10	16QAM	25	0	21.47	21.50	21.45	21.46	21.47		
10	16QAM	25	12	21.39	21.39	21.37	21.40	21.43		
10	16QAM	25	25	21.45	21.53	21.49	21.53	21.52	22.5	0.5
10	16QAM	50	0	21.55	21.53	21.52	21.47	21.54		
10	64QAM	1	0	21.47	21.54	21.53	21.49	21.53		
10	64QAM	1	25	21.45	21.38	21.45	21.41	21.45	22.5	0.5
10	64QAM	1	49	21.49	21.48	21.44	21.47	21.52		
10	64QAM	25	0	20.45	20.43	20.50	20.47	20.51		
10	64QAM	25	12	20.35	20.44	20.41	20.42	20.42		
10	64QAM	25	25	20.37	20.42	20.43	20.43	20.42	21.5	1.5
10	64QAM	50	0	20.42	20.41	20.41	20.35	20.42		
Channel				39675	40148	40620	41053	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.08	22.10	22.05	22.11	22.06		
5	QPSK	1	12	22.01	22.00	21.97	21.97	22.03	23	0
5	QPSK	1	24	21.98	21.97	21.90	21.89	21.90		
5	QPSK	12	0	22.04	22.02	22.01	21.98	22.02		
5	QPSK	12	7	21.91	22.00	21.97	21.94	21.92	23	0
5	QPSK	12	13	21.97	21.92	21.97	21.92	21.96		
5	QPSK	25	0	22.00	21.91	21.92	21.92	21.93		
5	16QAM	1	0	21.93	21.94	21.93	21.93	21.96		
5	16QAM	1	12	21.94	22.01	21.99	21.99	22.00	23	0
5	16QAM	1	24	21.97	21.91	21.94	21.92	21.92		
5	16QAM	12	0	21.49	21.44	21.43	21.46	21.49		
5	16QAM	12	7	21.39	21.40	21.41	21.41	21.41		
5	16QAM	12	13	21.51	21.45	21.47	21.49	21.46		
5	16QAM	25	0	21.47	21.48	21.54	21.46	21.51	22.5	0.5
5	64QAM	1	0	21.48	21.46	21.52	21.50	21.50		
5	64QAM	1	12	21.42	21.36	21.42	21.37	21.45	22.5	0.5
5	64QAM	1	24	21.44	21.52	21.53	21.45	21.50		
5	64QAM	12	0	20.44	20.43	20.50	20.46	20.43		
5	64QAM	12	7	20.43	20.43	20.39	20.42	20.35		
5	64QAM	12	13	20.43	20.41	20.44	20.36	20.39	21.5	1.5
5	64QAM	25	0	20.38	20.37	20.35	20.38	20.43		

Band 41_Ant 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2566	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.80	21.85	21.71	21.66	21.85		
20	QPSK	1	49	21.57	21.63	21.80	21.60	21.59	22.7	0
20	QPSK	1	99	21.48	21.61	21.64	21.60	21.52		
20	QPSK	50	0	21.59	21.63	21.65	21.55	21.53		
20	QPSK	50	24	21.57	21.61	21.63	21.42	21.50	22.7	0
20	QPSK	50	50	21.46	21.61	21.58	21.49	21.45		
20	QPSK	100	0	21.58	21.53	21.61	21.44	21.44		
20	16QAM	1	0	21.50	21.52	21.53	21.50	21.50		
20	16QAM	1	49	21.57	21.62	21.63	21.50	21.41	22.7	0
20	16QAM	1	99	21.53	21.51	21.61	21.46	21.47		
20	16QAM	50	0	21.54	21.50	21.58	21.49	21.44		
20	16QAM	50	24	21.46	21.54	21.64	21.54	21.42		
20	16QAM	50	50	21.57	21.56	21.53	21.47	21.48	22.7	0
20	16QAM	100	0	21.52	21.54	21.62	21.42	21.41		
20	64QAM	1	0	21.50	21.61	21.55	21.46	21.50		
20	64QAM	1	49	21.53	21.50	21.62	21.51	21.40	22.7	0
20	64QAM	1	99	21.57	21.61	21.54	21.50	21.45		
20	64QAM	50	0	21.58	21.54	21.64	21.60	21.52		
20	64QAM	50	24	21.57	21.55	21.52	21.42	21.43		
20	64QAM	50	50	21.53	21.50	21.52	21.42	21.46	22.7	0
20	64QAM	100	0	21.51	21.61	21.64	21.42	21.48		
Channel				39725	40173	40620	41058	41513	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.67	21.63	21.67	21.61	21.68		
15	QPSK	1	37	21.51	21.5	21.52	21.52	21.56	22.7	0
15	QPSK	1	74	21.58	21.55	21.58	21.54	21.58		
15	QPSK	36	0	21.59	21.59	21.57	21.62	21.64		
15	QPSK	36	20	21.60	21.58	21.58	21.62	21.56	22.7	0
15	QPSK	36	39	21.55	21.52	21.56	21.55	21.50		
15	QPSK	75	0	21.58	21.6	21.60	21.55	21.52		
15	16QAM	1	0	21.44	21.48	21.45	21.47	21.51		
15	16QAM	1	37	21.58	21.55	21.58	21.54	21.58	22.7	0
15	16QAM	1	74	21.51	21.51	21.51	21.54	21.58		
15	16QAM	36	0	21.53	21.53	21.51	21.			



Band 41_Ant 3											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2906	2949.5	2993	3036.5	3080			
20	QPSK	1	0	22.95	22.95	23.02	23.01	22.91	24	0	
20	QPSK	1	49	22.93	22.95	22.95	23.00	22.79	23.2	0	
20	QPSK	1	99	22.89	22.89	22.97	22.97	22.89			
20	QPSK	50	0	22.41	22.35	22.50	22.41	22.30	23.5	0.5	
20	QPSK	50	24	22.34	22.28	22.38	22.28	22.29	23.2	0	
20	QPSK	50	50	22.37	22.23	22.48	22.35	22.27			
20	QPSK	100	0	22.33	22.31	22.47	22.36	22.29			
20	16QAM	1	0	22.29	22.23	22.40	22.38	22.21	23.5	0.5	
20	16QAM	1	49	22.33	22.33	22.42	22.34	22.20	23.2	0	
20	16QAM	1	99	22.34	22.28	22.39	22.36	22.24			
20	16QAM	50	0	21.30	21.23	21.46	21.30	21.24	22.5	1.5	
20	16QAM	50	24	21.40	21.26	21.48	21.40	21.26			
20	16QAM	50	50	21.28	21.26	21.48	21.37	21.20			
20	16QAM	100	0	21.28	21.23	21.44	21.33	21.27			
20	64QAM	1	0	21.34	21.28	21.42	21.32	21.16	22.5	1.5	
20	64QAM	1	49	21.33	21.30	21.38	21.39	21.26	22.2	0	
20	64QAM	1	99	21.35	21.33	21.46	21.32	21.23			
20	64QAM	50	0	20.38	20.34	20.38	20.32	20.19	21.5	2.5	
20	64QAM	50	24	20.40	20.31	20.48	20.29	20.19			
20	64QAM	50	50	20.29	20.29	20.43	20.37	20.19			
20	64QAM	100	0	20.32	20.24	20.43	20.30	20.17			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	23.01	22.99	23.00	23.00	22.96	24	0	
15	QPSK	1	37	22.89	22.89	22.89	22.92	22.87	23.5	0.5	
15	QPSK	1	74	22.85	22.85	22.85	22.89	22.80			
15	QPSK	36	0	22.45	22.48	22.46	22.49	22.44			
15	QPSK	36	20	22.28	22.31	22.37	22.36	22.34	23.2	0	
15	QPSK	36	39	22.40	22.44	22.44	22.43	22.44			
15	QPSK	75	0	22.39	22.46	22.37	22.41	22.40			
15	16QAM	1	0	22.30	22.30	22.38	22.38	22.32	23.5	0.5	
15	16QAM	1	37	22.36	22.37	22.40	22.33	22.40	23.2	0	
15	16QAM	1	74	22.33	22.38	22.34	22.30	22.36			
15	16QAM	36	0	21.38	21.41	21.43	21.43	21.40	22.5	1.5	
15	16QAM	36	20	21.40	21.41	21.44	21.38	21.38			
15	16QAM	36	39	21.43	21.39	21.46	21.40	21.40	23.2	0	
15	16QAM	75	0	21.38	21.42	21.36	21.34	21.34			
15	64QAM	1	0	21.35	21.33	21.35	21.34	21.35	22.5	1.5	
15	64QAM	1	37	21.34	21.35	21.37	21.31	21.35	22.2	0	
15	64QAM	1	74	21.44	21.45	21.36	21.37	21.39			
15	64QAM	36	0	20.28	20.38	20.35	20.28	20.31	21.5	2.5	
15	64QAM	36	20	20.37	20.38	20.39	20.40	20.38			
15	64QAM	36	39	20.38	20.35	20.40	20.35	20.41			
15	64QAM	75	0	20.33	20.39	20.36	20.41	20.36			
Channel				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	22.95	23.00	23.01	22.98	22.94	24	0	
10	QPSK	1	25	22.87	22.90	22.91	22.91	22.87	23.5	0.5	
10	QPSK	1	49	22.94	22.91	22.90	22.87	22.92			
10	QPSK	25	0	22.41	22.48	22.43	22.41	22.42			
10	QPSK	25	12	22.33	22.36	22.28	22.28	22.30	23.5	0.5	
10	QPSK	25	25	22.45	22.38	22.42	22.46	22.46			
10	QPSK	50	0	22.37	22.41	22.41	22.46	22.41			
10	16QAM	1	0	22.35	22.37	22.35	22.36	22.31	23.5	0.5	
10	16QAM	1	25	22.36	22.35	22.35	22.34	22.33	23.2	0	
10	16QAM	1	49	22.29	22.35	22.37	22.31	22.32			
10	16QAM	25	0	21.38	21.44	21.44	21.43	21.45	22.5	1.5	
10	16QAM	25	12	21.46	21.45	21.40	21.44	21.45			
10	16QAM	25	25	21.45	21.38	21.45	21.44	21.42	23.2	0	
10	16QAM	50	0	21.34	21.39	21.35	21.37	21.35			
10	64QAM	1	0	21.37	21.33	21.39	21.36	21.32	22.5	1.5	
10	64QAM	1	25	21.32	21.32	21.37	21.35	21.31			
10	64QAM	1	49	21.39	21.37	21.42	21.37	21.38			
10	64QAM	25	0	20.34	20.35	20.33	20.35	20.32	21.5	2.5	
10	64QAM	25	12	20.43	20.45	20.45	20.44	20.38			
10	64QAM	25	25	20.34	20.33	20.39	20.33	20.39			
10	64QAM	50	0	20.36	20.36	20.41	20.34	20.36			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	23.01	23.00	22.96	22.95	22.94	24	0	
5	QPSK	1	12	22.88	22.88	22.91	22.87	22.92	23.5	0.5	
5	QPSK	1	24	22.87	22.92	22.90	22.88	22.89			
5	QPSK	12	0	22.47	22.40	22.47	22.40	22.49			
5	QPSK	12	7	22.30	22.33	22.32	22.28	22.37	23.2	0	
5	QPSK	12	13	22.39	22.47	22.42	22.45	22.41			
5	QPSK	25	0	22.46	22.44	22.46	22.46	22.42			
5	16QAM	1	0	22.39	22.36	22.30	22.31	22.33	23.5	0.5	
5	16QAM	1	12	22.36	22.41	22.38	22.34	22.37	23.2	0	
5	16QAM	1	24	22.31	22.30	22.31	22.31	22.34			
5	16QAM	12	0	21.41	21.43	21.43	21.36	21.39	22.5	1.5	
5	16QAM	12	7	21.42	21.40	21.39	21.40	21.39			
5	16QAM	12	13	21.42	21.47	21.41	21.44	21.44			
5	16QAM	25	0	21.36	21.40	21.37	21.37	21.40	23.2	0	
5	64QAM	1	0	21.41	21.41	21.40	21.34	21.41	22.5	1.5	
5	64QAM	1	12	21.29	21.28	21.29	21.34	21.37			
5	64QAM	1	24	21.30	21.44	21.39	21.44	21.40	23.2	0	
5	64QAM	12	0	20.34	20.29	20.29	20.32	20.34			
5	64QAM	12	7	20.44	20.36	20.37	20.37	20.41	22.7	0.5	
5	64QAM	12	13	20.40	20.39	20.38	20.41	20.40			
5	64QAM	25	0	20.34	20.36	20.38	20.41	20.33			

Band 41_Ant 4											
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Low Middle Ch / Freq.	Power Middle Ch / Freq.	Power High Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2906	2949.5	2993	3036.5	3080			
20	QPSK	1	0	22.85	22.63	22.71	22.74	22.67	23.2	0	
20	QPSK	1	49	22.59	22.50	22.66	22.55	22.63			
20	QPSK	1	99	22.55	22.57	22.64	22.64	22.63			
20	QPSK	50	0	22.61	22.50	22.66	22.57	22.59	23.2	0	
20	QPSK	50	24	22.59	22.49	22.58	22.48	22.55			
20	QPSK	50	50	22.51	22.59	22.53	22.45	22.51			
20	QPSK	100	0	22.48	22.56	22.62	22.51	22.46			
20	16QAM	1	0	22.57	22.54	22.54	22.55	22.55	23.2	0	
20	16QAM	1	49	22.56	22.55	22.62	22.48	22.52	23.2	0	
20	16QAM	1	99	22.50	22.59	22.60	22.46	22.49			
20	16QAM	50	0	22.52	22.59	22.57	22.51	22.46	23.2	0	
20	16QAM	50	24	22.51	22.48	22.57	22.46	22.51			
20	16QAM	50	50	22.58	22.59	22.57	22.50	22.53			
20	16QAM	100	0	22.50	2						



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Band 41_Ant 1												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Power High	Tune-up limit (dBm)	MPR (dB)		
Channel												
				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	23.54	23.58	23.68	23.63	23.65	24.5	0		
20	QPSK	1	49	23.51	23.45	23.66	23.62	23.65				
20	QPSK	1	99	23.50	23.44	23.61	23.53	23.52				
20	QPSK	50	0	22.61	22.62	22.82	22.76	22.80	23.5	1		
20	QPSK	50	24	22.76	22.57	22.80	22.76	22.76				
20	QPSK	50	50	22.78	22.52	22.78	22.73	22.74				
20	QPSK	100	0	22.72	22.58	22.82	22.85	22.77				
20	16QAM	1	0	22.72	22.52	22.77	22.75	23.09				
20	16QAM	1	49	22.76	22.58	22.81	22.85	22.98	23.5	1		
20	16QAM	1	99	22.77	22.73	22.82	22.91	22.78				
20	16QAM	50	0	21.69	21.52	21.80	21.83	22.10				
20	16QAM	50	24	21.74	21.55	21.80	21.86	21.98				
20	16QAM	50	50	21.80	21.62	21.83	21.88	21.91	22.5	2		
20	16QAM	100	0	21.72	21.57	21.79	21.86	21.97				
20	64QAM	1	0	21.44	21.22	21.46	21.46	21.78				
20	64QAM	1	49	21.46	21.28	21.52	21.57	21.68	22.5	2		
20	64QAM	1	99	21.45	21.42	21.53	21.63	21.47				
20	64QAM	50	0	20.85	20.49	20.77	20.81	21.08				
20	64QAM	50	24	20.71	20.52	20.77	20.86	20.97				
20	64QAM	50	50	20.77	20.59	20.78	20.84	20.88	21.5	3		
20	64QAM	100	0	20.69	20.56	20.75	20.83	20.96				
Channel												
				39725	40173	40620	41058	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	23.45	23.44	23.56	23.52	23.53	24.5	0		
15	QPSK	1	37	23.43	23.31	23.61	23.50	23.53				
15	QPSK	1	74	23.40	23.30	23.47	23.47	23.40				
15	QPSK	36	0	22.71	22.55	22.71	22.73	22.71	23.5	1		
15	QPSK	36	20	22.67	22.46	22.73	22.64	22.64				
15	QPSK	36	39	22.65	22.43	22.64	22.65	22.69				
15	QPSK	75	0	22.58	22.51	22.93	22.77	22.66				
15	16QAM	1	0	22.64	22.38	22.63	22.61	23.02	23.5	1		
15	16QAM	1	37	22.65	22.51	22.76	22.78	22.66				
15	16QAM	1	74	22.65	22.65	22.77	22.84	22.71				
15	16QAM	36	0	21.61	21.42	21.65	21.73	22.05				
15	16QAM	36	20	21.69	21.43	21.68	21.74	21.93				
15	16QAM	36	39	21.69	21.49	21.73	21.83	21.79	22.5	2		
15	16QAM	75	0	21.60	21.49	21.64	21.75	21.83				
15	64QAM	1	0	21.15	21.15	21.38	21.41	21.73				
15	64QAM	1	37	21.32	21.19	21.42	21.46	21.59	22.5	2		
15	64QAM	1	74	21.35	21.34	21.48	21.51	21.41				
15	64QAM	36	0	20.99	20.34	20.69	20.68	21.00				
15	64QAM	36	20	20.89	20.42	20.86	20.74	20.90				
15	64QAM	36	39	20.86	20.46	20.69	20.72	20.74	21.5	3		
15	64QAM	75	0	20.54	20.48	20.70	20.72	20.84				
Channel												
				39700	40160	40620	41060	41540	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2686				
10	QPSK	1	0	23.40	23.47	23.58	23.57	23.55	24.5	0		
10	QPSK	1	25	23.40	23.32	23.61	23.52	23.60				
10	QPSK	1	49	23.43	23.35	23.46	23.43	23.46				
10	QPSK	25	0	22.86	22.49	22.75	22.71	22.73	23.5	1		
10	QPSK	25	12	22.65	22.42	22.71	22.69	22.69				
10	QPSK	25	25	22.70	22.39	22.65	22.64	22.63				
10	QPSK	50	0	22.61	22.50	22.90	22.79	22.62	23.5	1		
10	16QAM	1	0	22.57	22.47	22.89	22.80	23.02				
10	16QAM	1	25	22.69	22.48	22.66	22.78	22.93	23.5	1		
10	16QAM	1	49	22.71	22.62	22.75	22.84	22.73				
10	16QAM	25	0	21.57	21.44	21.71	21.75	21.97				
10	16QAM	25	12	21.63	21.49	21.72	21.83	21.84				
10	16QAM	25	25	21.75	21.55	21.75	21.75	21.80	22.5	2		
10	16QAM	50	0	21.64	21.52	21.67	21.79	21.87				
10	64QAM	1	0	21.36	21.12	21.41	21.38	21.72				
10	64QAM	1	25	21.34	21.17	21.39	21.43	21.62	22.5	2		
10	64QAM	1	49	21.37	21.33	21.45	21.57	21.34				
10	64QAM	25	0	20.54	20.39	20.65	20.70	20.94				
10	64QAM	25	12	20.66	20.41	20.67	20.75	20.82				
10	64QAM	25	25	20.66	20.48	20.71	20.73	20.81	21.5	3		
10	64QAM	50	0	20.57	20.45	20.67	20.70	20.89				
Channel												
				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2548.8	2593	2640.30	2687.5				
5	QPSK	1	0	23.48	23.44	23.55	23.55	23.58	24.5	0		
5	QPSK	1	12	23.46	23.30	23.52	23.52	23.55				
5	QPSK	1	24	23.41	23.39	23.52	23.45	23.46				
5	QPSK	12	0	22.72	22.53	22.74	22.72	22.66	23.5	1		
5	QPSK	12	7	22.69	22.48	22.72	22.62	22.62				
5	QPSK	12	13	22.64	22.41	22.73	22.66	22.65				
5	QPSK	25	0	22.64	22.46	22.90	22.80	22.71				
5	16QAM	1	0	22.59	22.41	22.69	22.66	22.94	23.5	1		
5	16QAM	1	12	22.61	22.51	22.72	22.79	22.85				
5	16QAM	1	24	22.70	22.65	22.76	22.77	22.69				
5	16QAM	12	0	21.62	21.38	21.68	21.73	22.02				
5	16QAM	12	7	21.67	21.45	21.75	21.79	21.88	22.5	2		
5	16QAM	12	13	21.69	21.51	21.77	21.78	21.76				
5	16QAM	25	0	21.64	21.47	21.66	21.73	21.92				
5	64QAM	1	0	21.30	21.10	21.43	21.35	21.73				
5	64QAM	1	12	21.32	21.22	21.37	21.51	21.54	22.5	2		
5	64QAM	1	24	21.33	21.34	21.46	21.49	21.36				
5	64QAM	12	0	20.59	20.38	20.72	20.75	20.95				
5	64QAM	12	7	20.57	20.38	20.63	20.78	20.86	21.5	3		
5	64QAM	12	13	20.88	20.48	20.67	20.73	20.77				
5	64QAM	25	0	20.58	20.51	20.68	20.72	20.83				

Band 41_Ant 2												
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Power High	Tune-up limit (dBm)	MPR (dB)		
Channel												
				39750	40185	40620	41055	41490				
Frequency (MHz)				2506	2549.5	2593	2636.5	2680				
20	QPSK	1	0	24.12	24.22	24.23	24.20	24.21	25.2	0		
20	QPSK	1	49	24.05	24.15	24.16	24.13	24.15				
20	QPSK	1	99	24.02	24.17	24.15	24.14	24.20				
20	QPSK	50	0	23.56	23.59	23.68	23.59	23.59	24.7	0.5		
20	QPSK	50	24	23.52	23.50	23.62	23.49	23.52				
20	QPSK	50	50	23.47	23.54	23.67	23.49	23.54				
20	QPSK	100	0	23.44	23.53	23.67	23.53	23.51				
20	16QAM	1	0	23.48	23.58	23.61	23.55	23.49				
20	16QAM	1	49	23.55	23.52	23.59	23.49	23.58	24.7	0.5		
20	16QAM	1	99	23.49	23.50	23.56	23.58	23.54				
20	16QAM	50	0	22.49	22.46	22.67	22.53	22.47				
20	16QAM	50	24	22.53	22.50	22.66	22.56	22.48				
20	16QAM	50	50	22.46	22.54	22.55	22.52	22.54	23.7	1.5		
20	16QAM	100	0	22.46	22.52	22.63	22.56	22.58				
20	64QAM	1	0	22.48	22.48	22.55	22.48	22.46				
20	64QAM	1	49	22.54	22.48	22.62	22.49	22.52	23.7	1.5		
20	64QAM	1	99	22.54	22.57	22.55	22.52	22.48				
20	64QAM	50	0	21.48	21.58							



Band 41_Ant 3

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.47	23.47	23.63	23.55	23.60	24.5	0
20	QPSK	1	49	23.41	23.33	23.58	23.51	23.51		
20	QPSK	1	99	23.42	23.24	23.53	23.45	23.39		
20	QPSK	50	0	22.76	22.51	22.78	22.76	22.74		
20	QPSK	50	24	22.68	22.47	22.72	22.74	22.73	23.5	1
20	QPSK	50	50	22.57	22.44	22.77	22.70	22.70		
20	QPSK	100	0	22.84	22.49	22.75	22.72	22.71		
20	16QAM	1	0	22.84	22.43	22.70	22.67	22.94		
20	16QAM	1	49	22.70	22.47	22.75	22.75	22.85	23.5	1
20	16QAM	1	99	22.66	22.63	22.77	22.81	22.66		
20	16QAM	50	0	21.62	21.43	21.72	21.75	21.93		
20	16QAM	50	24	21.66	21.47	21.73	21.82	21.83		
20	16QAM	50	50	21.75	21.54	21.77	21.78	21.76	22.5	2
20	16QAM	100	0	21.66	21.50	21.73	21.75	21.85		
20	64QAM	1	0	21.37	21.11	21.39	21.38	21.64		
20	64QAM	1	49	21.40	21.17	21.43	21.50	21.56		
20	64QAM	1	99	21.38	21.33	21.45	21.51	21.37	22.5	2
20	64QAM	50	0	20.98	20.41	20.70	20.72	20.91		
20	64QAM	50	24	20.83	20.44	20.70	20.78	20.81		
20	64QAM	50	50	20.70	20.49	20.73	20.75	20.74		
20	64QAM	100	0	20.62	20.48	20.69	20.74	20.81	21.5	3
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.36	23.42	23.56	23.46	23.47		
15	QPSK	1	37	23.27	23.22	23.46	23.43	23.36		
15	QPSK	1	74	23.35	23.15	23.41	23.34	23.26		
15	QPSK	36	0	22.68	22.46	22.73	22.70	22.63		
15	QPSK	36	20	22.59	22.39	22.61	22.68	22.67	23.5	1
15	QPSK	36	39	22.44	22.29	22.67	22.55	22.55		
15	QPSK	75	0	22.53	22.38	22.70	22.62	22.63		
15	16QAM	1	0	22.54	22.29	22.58	22.55	22.80		
15	16QAM	1	37	22.36	22.34	22.61	22.70	22.74	23.5	1
15	16QAM	1	74	22.58	22.51	22.65	22.72	22.54		
15	16QAM	36	0	21.50	21.32	21.64	21.65	21.85		
15	16QAM	36	20	21.53	21.39	21.61	21.74	21.78		
15	16QAM	36	39	21.69	21.40	21.67	21.69	21.70	22.5	2
15	16QAM	75	0	21.54	21.43	21.62	21.61	21.73		
15	64QAM	1	0	21.27	21.09	21.30	21.33	21.49		
15	64QAM	1	37	21.30	21.07	21.32	21.43	21.43		
15	64QAM	1	74	21.23	21.21	21.38	21.39	21.23	22.5	2
15	64QAM	36	0	20.52	20.28	20.55	20.65	20.77		
15	64QAM	36	20	20.53	20.31	20.63	20.72	20.68		
15	64QAM	36	39	20.65	20.41	20.65	20.66	20.65		
15	64QAM	75	0	20.47	20.26	20.63	20.68	20.68	21.5	3
Channel				39700	40160	40620	41093	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.36	23.38	23.48	23.50	23.47		
10	QPSK	1	25	23.36	23.25	23.48	23.46	23.38		
10	QPSK	1	49	23.37	23.10	23.39	23.32	23.26		
10	QPSK	25	0	22.61	22.48	22.64	22.69	22.64		
10	QPSK	25	12	22.63	22.32	22.59	22.66	22.62	23.5	1
10	QPSK	25	25	22.42	22.26	22.67	22.59	22.59		
10	QPSK	50	0	22.53	22.40	22.67	22.60	22.61		
10	16QAM	1	0	22.56	22.38	22.57	22.57	22.83		
10	16QAM	1	25	22.60	22.38	22.60	22.69	22.78	23.5	1
10	16QAM	1	49	22.57	22.57	22.67	22.68	22.59		
10	16QAM	25	0	21.47	21.28	21.57	21.69	21.88		
10	16QAM	25	12	21.36	21.35	21.58	21.69	21.71		
10	16QAM	25	25	21.62	21.46	21.71	21.70	21.84	22.5	2
10	16QAM	50	0	21.58	21.41	21.62	21.69	21.74		
10	64QAM	1	0	21.29	20.97	21.27	21.26	21.57		
10	64QAM	1	25	21.26	21.02	21.32	21.38	21.48		
10	64QAM	1	49	21.32	21.19	21.36	21.37	21.31	21.5	3
10	64QAM	25	0	20.50	20.34	20.59	20.63	20.82		
10	64QAM	25	12	20.40	20.36	20.59	20.65	20.71		
10	64QAM	25	25	20.58	20.41	20.65	20.62	20.61		
10	64QAM	50	0	20.47	20.38	20.61	20.69	20.74	21.5	3
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.36	23.41	23.54	23.42	23.52		
5	QPSK	1	12	23.34	23.28	23.48	23.39	23.40		
5	QPSK	1	24	23.27	23.10	23.47	23.31	23.25		
5	QPSK	12	0	22.64	22.45	22.69	22.66	22.63		
5	QPSK	12	7	22.60	22.33	22.65	22.60	22.66	23.5	1
5	QPSK	12	13	22.42	22.36	22.62	22.57	22.56		
5	QPSK	25	0	22.57	22.34	22.64	22.64	22.65		
5	16QAM	1	0	22.55	22.29	22.64	22.53	22.85		
5	16QAM	1	12	22.57	22.41	22.70	22.68	22.70	23.5	1
5	16QAM	1	24	22.54	22.58	22.72	22.75	22.59		
5	16QAM	12	0	21.51	21.34	21.59	21.65	21.80		
5	16QAM	12	7	21.61	21.38	21.64	21.70	21.72		
5	16QAM	12	13	21.68	21.42	21.62	21.65	21.69	22.5	2
5	16QAM	25	0	21.59	21.45	21.59	21.70	21.78		
5	64QAM	1	0	21.27	20.97	21.26	21.24	21.59		
5	64QAM	1	12	21.26	21.11	21.28	21.44	21.46		
5	64QAM	1	24	21.32	21.24	21.36	21.36	21.30	22.5	2
5	64QAM	12	0	20.53	20.32	20.55	20.58	20.78		
5	64QAM	12	7	20.53	20.37	20.61	20.68	20.68		
5	64QAM	12	13	20.64	20.38	20.63	20.69	20.61		
5	64QAM	25	0	20.55	20.39	20.58	20.67	20.75	21.5	3

Band 41_Ant 4

BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.85	22.63	22.71	22.54	22.67	23.2	0
20	QPSK	1	49	22.59	22.50	22.66	22.55	22.63		
20	QPSK	1	99	22.55	22.57	22.64	22.64	22.63		
20	QPSK	50	0	22.61	22.60	22.66	22.57	22.59		
20	QPSK	50	24	22.59	22.49	22.74	22.56	22.55	23.2	0
20	QPSK	50	50	22.51	22.59	22.53	22.45	22.51		
20	QPSK	100	0	22.48	22.56	22.62	22.51	22.46		
20	16QAM	1	0	22.57	22.54	22.55	22.56	22.55		
20	16QAM	1	49	22.56	22.55	22.62	22.48	22.52	23.2	0
20	16QAM	1	99	22.50	22.59	22.60	22.46	22.49		
20	16QAM	50	0	22.52	22.59	22.57	22.51	22.46		
20	16QAM	50	24	22.51	22.48	22.57	22.46	22.51		
20	16QAM	50	50	22.58	22.59	22.57	22.50	22.53	23.2	0
20	16QAM	100	0	22.50	22.55	22.62	22.55	22.54		
20	64QAM	1	0	22.54	22.47	22.58	22.49	22.54		
20	64QAM	1	49	22.48	22.50	22.53	22.44	22.56		
20	64QAM	1	99	22.52	22.53	22.65	22.55	22.57	23.2	0
20	64QAM	50	0	22.02	22.00	22.03	22.05	22.06		
20	64QAM	50	24	22.09	21.98	22.13	22.03	21.99		
20	64QAM	50	50	21.98	21.97	22.07	21.99	22.06		
20	64QAM	100	0	22.06	22.00	22.05	21.95	22.06	22.7	0.5
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.66	22.69	22.66	22.64	22.61		
15	QPSK	1	37	22.63	22.62	22.65	22.59	22.64		
15	QPSK	1	74	22.54	22.57	22.66	22.58	22.60		
15	QPSK	36	0	22.65	22.6					



DSI 4 Power

Band 41_Ant 1											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
39750 40185 40620 41055 41490											
Frequency (MHz)											
20	QPSK	1	0	2506	2548.5	2593	2636.5	2680			
20	QPSK	1	49	17.49	17.54	17.61	17.60	17.52	18.5	0	
20	QPSK	1	99	17.47	17.48	17.61	17.55	17.53			
20	QPSK	50	0	17.46	17.45	17.61	17.54	17.53			
20	QPSK	50	24	17.39	17.39	17.48	17.53	17.51	18.5	0	
20	QPSK	50	50	17.42	17.43	17.50	17.53	17.42			
20	QPSK	100	0	17.35	17.36	17.52	17.46	17.41			
20	16QAM	1	0	17.37	17.47	17.52	17.48	17.52			
20	16QAM	1	49	17.33	17.38	17.60	17.45	17.41	18.5	0	
20	16QAM	1	99	17.40	17.39	17.52	17.51	17.48			
20	16QAM	50	0	17.34	17.44	17.50	17.52	17.49			
20	16QAM	50	24	17.44	17.47	17.60	17.50	17.48	18.5	0	
20	16QAM	50	50	17.38	17.45	17.55	17.47	17.49			
20	16QAM	100	0	17.33	17.43	17.53	17.46	17.50			
20	64QAM	1	0	17.42	17.46	17.49	17.47	17.49			
20	64QAM	1	49	17.45	17.47	17.54	17.44	17.52	18.5	0	
20	64QAM	1	99	17.35	17.40	17.51	17.45	17.43			
20	64QAM	50	0	17.41	17.40	17.58	17.53	17.40	18.5	0	
20	64QAM	50	24	17.44	17.47	17.52	17.44	17.48			
20	64QAM	50	50	17.37	17.37	17.59	17.44	17.46	18.5	0	
20	64QAM	100	0	17.40	17.39	17.49	17.50	17.45			
Channel											
39725 40173 40620 41058 41515											
Frequency (MHz)											
15	QPSK	1	0	2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	17.61	17.56	17.54	17.58	17.61	18.5	0	
15	QPSK	1	37	17.59	17.54	17.55	17.55	17.58			
15	QPSK	1	74	17.53	17.58	17.58	17.53	17.52	18.5	0	
15	QPSK	36	0	17.59	17.53	17.55	17.58	17.51			
15	QPSK	36	20	17.39	17.46	17.43	17.39	17.46	18.5	0	
15	QPSK	36	39	17.46	17.42	17.46	17.49	17.42			
15	QPSK	75	0	17.47	17.51	17.51	17.43	17.50			
15	16QAM	1	0	17.42	17.50	17.50	17.45	17.50	18.5	0	
15	16QAM	1	0	17.41	17.40	17.52	17.50	17.40			
15	16QAM	1	74	17.49	17.51	17.45	17.43	17.47			
15	16QAM	36	0	17.41	17.43	17.42	17.46	17.49	18.5	0	
15	16QAM	36	20	17.54	17.51	17.51	17.54	17.54			
15	16QAM	36	39	17.51	17.54	17.53	17.51	17.45	18.5	0	
15	16QAM	75	0	17.49	17.49	17.46	17.51	17.47			
15	64QAM	1	0	17.39	17.41	17.47	17.44	17.40	18.5	0	
15	64QAM	1	37	17.50	17.50	17.49	17.53	17.48			
15	64QAM	1	74	17.50	17.49	17.46	17.48	17.43			
15	64QAM	36	0	17.50	17.57	17.57	17.53	17.51	18.5	0	
15	64QAM	36	20	17.47	17.44	17.51	17.46	17.42			
15	64QAM	36	39	17.57	17.52	17.55	17.49	17.53			
15	64QAM	75	0	17.45	17.48	17.40	17.46	17.40			
Channel											
39700 40160 40620 41050 41550											
Frequency (MHz)											
10	QPSK	1	0	2501	2547	2593	2639	2685			
10	QPSK	1	0	17.59	17.56	17.58	17.53	17.55	18.5	0	
10	QPSK	1	25	17.55	17.59	17.55	17.52	17.59			
10	QPSK	1	49	17.59	17.55	17.51	17.56	17.60			
10	QPSK	25	0	17.57	17.53	17.52	17.57	17.58	18.5	0	
10	QPSK	25	12	17.45	17.39	17.39	17.47	17.42			
10	QPSK	25	25	17.46	17.44	17.40	17.43	17.47			
10	QPSK	50	0	17.47	17.43	17.51	17.50	17.47			
10	16QAM	1	0	17.46	17.44	17.47	17.46	17.48	18.5	0	
10	16QAM	1	25	17.56	17.56	17.58	17.58	17.54			
10	16QAM	1	49	17.46	17.50	17.42	17.49	17.45			
10	16QAM	25	0	17.45	17.42	17.43	17.40	17.47	18.5	0	
10	16QAM	25	12	17.53	17.56	17.55	17.56	17.55			
10	16QAM	25	25	17.45	17.48	17.54	17.50	17.53			
10	16QAM	50	0	17.46	17.48	17.50	17.48	17.47			
10	64QAM	1	0	17.44	17.42	17.43	17.43	17.46	18.5	0	
10	64QAM	1	25	17.47	17.51	17.49	17.48	17.45			
10	64QAM	1	49	17.43	17.43	17.42	17.42	17.42			
10	64QAM	25	0	17.55	17.52	17.52	17.53	17.48	18.5	0	
10	64QAM	25	12	17.50	17.46	17.51	17.43	17.49			
10	64QAM	25	25	17.53	17.53	17.57	17.50	17.57			
10	64QAM	50	0	17.40	17.48	17.39	17.40	17.44			
Channel											
39675 40148 40620 41053 41565											
Frequency (MHz)											
5	QPSK	1	0	2498.5	2548.8	2593	2640.30	2687.5			
5	QPSK	1	0	17.54	17.60	17.56	17.59	17.56	18.5	0	
5	QPSK	1	12	17.58	17.53	17.51	17.52	17.56			
5	QPSK	1	24	17.56	17.58	17.56	17.55	17.51			
5	QPSK	12	0	17.56	17.57	17.60	17.51	17.60	18.5	0	
5	QPSK	12	7	17.40	17.46	17.45	17.40	17.40			
5	QPSK	12	13	17.43	17.42	17.43	17.45	17.42			
5	QPSK	25	0	17.44	17.43	17.49	17.47	17.44	18.5	0	
5	16QAM	1	0	17.42	17.47	17.44	17.42	17.50			
5	16QAM	1	12	17.52	17.52	17.55	17.57	17.59	18.5	0	
5	16QAM	1	24	17.48	17.46	17.47	17.50	17.47			
5	16QAM	12	0	17.44	17.41	17.40	17.43	17.45	18.5	0	
5	16QAM	12	7	17.55	17.51	17.58	17.55	17.51			
5	16QAM	12	13	17.50	17.51	17.49	17.51	17.47			
5	16QAM	25	0	17.52	17.45	17.48	17.50	17.51	18.5	0	
5	64QAM	1	0	17.42	17.43	17.45	17.47	17.44	18.5	0	
5	64QAM	1	12	17.53	17.48	17.51	17.53	17.52			
5	64QAM	1	24	17.46	17.43	17.44	17.46	17.46			
5	64QAM	12	0	17.51	17.53	17.51	17.49	17.54	18.5	0	
5	64QAM	12	7	17.45	17.43	17.44	17.43	17.42			
5	64QAM	12	13	17.53	17.56	17.54	17.49	17.51			
5	64QAM	25	0	17.40	17.46	17.46	17.46	17.41			

Band 41_Ant 2											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel											
39750 40185 40620 41055 41490											
Frequency (MHz)											
20	QPSK	1	0	2506	2548.5	2593	2636.5	2680			
20	QPSK	1	49	20.54	20.57	20.66	20.57	20.59	21.7	0	
20	QPSK	1	99	20.52	20.53	20.68	20.61	20.65			
20	QPSK	50	0	20.58	20.52	20.67	20.60	20.65			
20	QPSK	50	24	20.50	20.47	20.56	20.51	20.57	21.7	0	
20	QPSK	50	50	20.50	20.49	20.54	20.47	20.61			
20	QPSK	100	0	20.48	20.49	20.65	20.59	20.64			
20	16QAM	1	0	20.48	20.39	20.64	20.52	20.54			
20	16QAM	1	49	20.57	20.43	20.66	20.58	20.59	21.7	0	
20	16QAM	1	99	20.46	20.41	20.66	20.55	20.61			
20	16QAM	50	0	20.56	20.40	20.60	20.49	20.52			
20	16QAM	50	24	20.52	20.47	20.59	20.50	20.53	21.7	0	
20	16QAM	50	50	20.47	20.49	20.65	20.55	20.57			
20	16QAM	100	0	20.55	20.39	20.65	20.58	20.53			
20	64QAM	1	0	20.55	20.48	20.56	20.53	20.52	21.7	0	
20	64QAM	1	49	20.48	20.45	20.59	20.56	20.59			
20	64QAM	1	99	20.47	20.46	20.60	20.55	20.64			
20	64QAM	50	0	20.46	20.51	20.61	20.59	20.57	21.7	0	
20	64QAM	50	24	20.54	20.49	20.62	20.49	20.62			
20	64QAM	50	50	20.56	20.48	20.65	20.47	20.53	21.7	0	
20	64QAM	100	0	20.45	20.42	20.65	20.55	20.52			
Channel											
39725 40173 40620 41058 41515											
Frequency (MHz)											
15	QPSK	1	0	20.66	20.65	20.69	20.69	20.64			
15	QPSK	1	37	20.58	20.62	20.63	20.59	20.60	21.7	0	
15	QPSK	1	74	20.67	20.66	20.67	20.58	20.66			
15	QPSK	36	0	20.61	20.6	20.64	20.65	20.66	21.7	0	
15	QPSK	36	20	20.52	20.48	20.46	20.46	20.50			
15	QPSK	36	39	20.53	20.53	20.47	20.49	20.46			
15	QPSK	75	0	20.62	20.64	20.55	20.62	20.63			
15	16QAM	1	0	20.57	20.54	20.63	20.59	20.61	21.7	0	
15	16QAM	1	37	20.59	20.6	20.60	20.62	20.63			
15	16QAM	1	74	20.63	20.59	20.57	20.63	20.62			
15	16QAM	36	0	20.59	20.59	20.57	20.53	20.57	18.5</		



Band 41_Ant 3												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Mid Ch. / Freq.	Power Middle Ch. / Freq.	Power High-Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2906	2949.5	2993	2936.5	2890				
20	QPSK	1	0	19.10	19.01	19.11	19.08	19.03	20	0		
20	QPSK	1	49	18.99	18.91	19.02	19.04	18.91				
20	QPSK	1	99	19.05	18.92	19.03	19.03	18.95				
20	QPSK	50	0	18.97	18.99	19.03	19.01	18.91				
20	QPSK	50	24	18.95	18.87	18.98	18.99	18.81	20	0		
20	QPSK	50	50	18.95	18.87	18.97	18.93	18.89				
20	QPSK	100	0	18.94	18.95	18.97	18.97	18.84				
20	16QAM	1	0	18.84	18.91	18.97	18.89	18.80				
20	16QAM	1	49	18.92	18.94	19.01	18.89	18.80	20	0		
20	16QAM	1	99	18.89	18.97	18.93	18.90	18.88				
20	16QAM	50	0	18.90	18.96	18.95	18.91	18.84				
20	16QAM	50	24	18.85	18.92	18.96	18.95	18.86				
20	16QAM	50	50	18.87	18.95	19.00	18.93	18.82	20	0		
20	16QAM	100	0	18.92	18.87	18.92	18.98	18.86				
20	64QAM	1	0	18.95	18.88	18.89	18.88	18.79				
20	64QAM	1	49	18.86	18.88	18.94	18.94	18.86	20	0		
20	64QAM	1	99	18.92	18.92	18.98	18.89	18.89				
20	64QAM	50	0	18.91	18.89	18.95	18.94	18.90				
20	64QAM	50	24	18.92	18.92	18.91	18.99	18.87				
20	64QAM	50	50	18.94	18.88	18.98	18.92	18.82	20	0		
20	64QAM	100	0	18.84	18.86	18.88	18.88	18.89				
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5				
15	QPSK	1	0	19.03	19.07	19.05	19.05	19.05	20	0		
15	QPSK	1	37	19.01	19.00	19.01	18.95	18.93				
15	QPSK	1	74	18.93	18.96	18.99	18.93	19.00				
15	QPSK	36	0	18.95	18.99	19.01	18.93	18.92				
15	QPSK	36	20	18.90	18.95	18.92	18.88	18.94	20	0		
15	QPSK	36	39	18.93	18.93	18.91	18.89	18.89				
15	QPSK	75	0	18.87	18.90	18.88	18.91	18.88				
15	16QAM	1	0	18.94	18.96	18.91	18.93	18.88				
15	16QAM	1	37	18.91	18.91	18.98	18.94	18.90	20	0		
15	16QAM	1	74	18.91	18.85	18.93	18.91	18.90				
15	16QAM	36	0	18.90	18.89	18.93	18.89	18.90				
15	16QAM	36	20	18.91	18.90	18.93	18.89	18.89	20	0		
15	16QAM	36	39	18.94	18.94	18.90	18.90	18.99				
15	16QAM	75	0	18.88	18.83	18.82	18.85	18.89				
15	64QAM	1	0	18.87	18.88	18.93	18.92	18.89				
15	64QAM	1	37	18.87	18.88	18.87	18.91	18.90	20	0		
15	64QAM	1	74	18.90	18.96	18.92	18.96	18.89				
15	64QAM	36	0	18.89	18.93	18.88	18.93	18.86				
15	64QAM	36	20	18.82	18.88	18.88	18.83	18.85	20	0		
15	64QAM	36	39	18.95	18.88	18.97	18.96	18.90				
15	64QAM	75	0	18.97	18.95	18.95	18.95	18.93				
Channel				39700	40160	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2501	2547	2593	2639	2685				
10	QPSK	1	0	19.07	19.06	19.10	19.07	19.10	20	0		
10	QPSK	1	25	18.95	18.92	19.00	18.99	18.95				
10	QPSK	1	49	18.98	19.00	19.02	18.93	18.98				
10	QPSK	25	0	18.94	18.94	19.00	18.95	18.98				
10	QPSK	25	12	18.93	18.90	18.92	18.97	18.91	20	0		
10	QPSK	25	25	18.96	18.94	18.96	18.91	18.93				
10	QPSK	50	0	18.97	18.92	18.94	18.96	18.99				
10	16QAM	1	0	18.91	18.87	18.92	18.93	18.95	20	0		
10	16QAM	1	25	18.92	18.96	19.00	18.97	18.97				
10	16QAM	1	49	18.85	18.88	18.86	18.89	18.89				
10	16QAM	25	0	18.87	18.91	18.86	18.94	18.91	20	0		
10	16QAM	25	12	18.95	18.93	18.89	18.90	18.94				
10	16QAM	25	25	18.94	18.90	18.98	18.96	18.96				
10	16QAM	50	0	18.87	18.86	18.91	18.83	18.89	20	0		
10	64QAM	1	0	18.96	18.91	18.95	18.97	18.94				
10	64QAM	1	25	18.91	18.89	18.92	18.85	18.85				
10	64QAM	1	49	18.88	18.88	18.89	18.91	18.91				
10	64QAM	25	0	18.85	18.90	18.88	18.87	18.92	20	0		
10	64QAM	25	12	18.90	18.87	18.87	18.90	18.91				
10	64QAM	25	25	18.93	18.91	18.93	18.89	18.91				
10	64QAM	50	0	18.90	18.91	18.89	18.90	18.88	20	0		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5				
5	QPSK	1	0	19.10	19.04	19.07	19.05	19.04	20	0		
5	QPSK	1	12	19.01	18.94	19.00	18.93	19.01				
5	QPSK	1	24	18.98	19.00	18.99	19.00	18.99				
5	QPSK	12	0	18.96	18.99	18.94	18.99	19.02				
5	QPSK	12	7	18.97	18.93	18.94	18.96	18.88	20	0		
5	QPSK	12	13	18.91	18.94	18.95	18.87	18.87				
5	QPSK	25	0	18.88	18.96	18.91	18.95	18.92				
5	16QAM	1	0	18.89	18.93	18.95	18.91	18.94	20	0		
5	16QAM	1	12	18.99	18.98	18.96	19.00	18.92				
5	16QAM	1	24	18.85	18.90	18.91	18.85	18.91				
5	16QAM	12	0	18.85	18.91	18.88	18.87	18.86				
5	16QAM	12	7	18.95	18.90	18.88	18.90	18.89	20	0		
5	16QAM	12	13	18.97	18.92	18.95	18.98	18.93				
5	16QAM	25	0	18.82	18.86	18.86	18.89	18.86				
5	64QAM	1	0	18.91	18.90	18.93	18.92	18.91	20	0		
5	64QAM	1	12	18.90	18.85	18.89	18.86	18.86				
5	64QAM	1	24	18.92	18.96	18.89	18.89	18.97				
5	64QAM	12	0	18.87	18.94	18.90	18.86	18.92	20	0		
5	64QAM	12	7	18.83	18.89	18.86	18.88	18.88				
5	64QAM	12	13	18.93	18.95	18.97	18.96	18.88				
5	64QAM	25	0	18.91	18.92	18.89	18.91	18.97	20	0		

Band 41_Ant 4												
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low-Mid Ch. / Freq.	Power Middle Ch. / Freq.	Power High-Mid Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)		
Channel				39750	40185	40620	41055	41490				
Frequency (MHz)				2906	2949.5	2993	2936.5	2890				
20	QPSK	1	0	19.31	19.34	19.42	18.40	18.32	19.2	0		
20	QPSK	1	49	18.30	18.24	18.29	18.29	18.20				
20	QPSK	1	99	18.24	18.26	18.29	18.28	18.27				
20	QPSK	50	0	18.29	18.25	18.31	18.29	18.24				
20	QPSK	50	24	18.21	18.23	18.26	18.25	18.17	19.2	0		
20	QPSK	50	50	18.26	18.17	18.22	18.26	18.15				
20	QPSK	100	0	18.20	18.13	18.20	18.18	18.23				
20	16QAM	1	0	18.18	18.23	18.25	18.16	18.18				
20	16QAM	1	49	18.24	18.23	18.19	18.23	18.15	19.2	0		
20	16QAM	1	99	18.28	18.21	18.22	18.24	18.13				
20	16QAM	50	0	18.17	18.20	18.19	18.16	18.15				
20	16QAM	50	24	18.16	18.19	18.23	18.20	18.12				
20	16QAM	50	50	18.18	18.13	18.27	18.17	18.11	19.2	0		
20	16QAM	100	0	18.20	18.13	18.21	18.22	18.12				
20	64QAM	1	0	18.21	18.14	18.19	18.26	18.22			</	



Default Power for EN-DC 5G NR

Par270 n77_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. [60000]	Power Middle Ch / Freq. [60000]	Power High Ch / Freq. [60000]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	23.25	23.45	23.58	25.0	0.0	
100	QPSK	1	137	23.25	23.85	23.95	25.0	0.0	
100	QPSK	1	271	23.27	23.00	23.34			
100	QPSK	156	9	23.88	23.56	23.78			
100	QPSK	156	69	23.10	23.54	23.37	25.0	0.0	
100	QPSK	136	138	22.28	22.36	22.36			
100	QPSK	270	0	22.90	22.84	22.28	24.0	1.0	
100	16QAM	1	1	21.15	22.16	21.93	24.0	1.0	
100	16QAM	1	1	19.82	20.84	20.37	22.5	2.5	
100	256QAM	1	1	18.15	18.16	18.92	20.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64868	66000	66232	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	64934	66000	66266	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64898	66000	66332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64900	66000	66400	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64800	66000	66400	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64700	66000	66300	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64634	66000	66266	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64500	66000	66500	Tune-up limit (dBm)	MPR (dB)	

Par27Q n77_Ant 1									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. [63000]	Power Middle Ch / Freq. [63000]	Power High Ch / Freq. [63000]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.33	22.51		24.0	0.0	
100	QPSK	1	137	22.43					
100	QPSK	1	271	21.92					
100	QPSK	156	9	21.52					
100	QPSK	156	69	22.58			24.0	0.0	
100	QPSK	136	138	21.41					
100	QPSK	270	0	21.51			23.0	1.0	
100	16QAM	1	1	21.12			23.0	1.0	
100	16QAM	1	1	19.57			21.5	2.5	
100	256QAM	1	1	18.36			19.5	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	63000	63332	63366	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	63000	63332	63400	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63068	63332	63400	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	63000	63332	63466	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63000	63332	63466	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63134	63332	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	63000	63332	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63000	63332	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	63100	63332	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	63000	63332	63500	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	63000	63332	63500	Tune-up limit (dBm)	MPR (dB)	

Par270 n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq. [60000]	Power Middle Ch / Freq. [60000]	Power High Ch / Freq. [60000]	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	23.45	23.68	23.57			
100	QPSK	1	137	23.52	23.85	23.95	25.5	0.0	
100	QPSK	1	271	23.30	23.59	23.53			
100	QPSK	156	9	23.28	23.53	22.42			
100	QPSK	156	69	23.51	23.64	23.57	25.5	0.0	
100	QPSK	136	138	22.39	22.85	22.80			
100	QPSK	270	0	22.28	22.60	22.48	24.5	1.0	
100	16QAM	1	1	21.90	22.17	22.13	24.5	1.0	
100	16QAM	1	1	20.27	20.58	20.54	23.0	2.5	
100	256QAM	1	1	18.82	19.10	19.02	21.0	4.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64934	66000	66266	Tune-up limit (dBm)	MPR (dB)	
90	QPSK	1	1	64934	66000	66266	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	64900	66000	66332	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
60	QPSK	1	1	64834	66000	66366	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
50	QPSK	1	1	64800	66000	66400	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	64700	66000	66300	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
30	QPSK	1	1	64634	66000	66266	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	64500	66000	66500	Tune-up limit (dBm)	MPR (dB)	



Par27Q n77_Ant 5							
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	QPSK	1	1		3499.86		
100	QPSK	1	1	24.21			
100	QPSK	1	271	24.03			25.5
100	QPSK	135	69	23.20			
100	QPSK	135	69	24.20			25.5
100	QPSK	135	138	23.06			
100	QPSK	270	0	23.12		24.5	1.0
100	16QAM	1	1	22.66		24.5	1.0
100	16QAM	1	1	21.20		23.0	2.5
100	256QAM	1	1	19.70		21.0	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm) MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	24.12	24.13	24.14	25.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	24.12	24.10	24.20	25.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	24.10	24.13	24.15	25.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	24.14	24.13	24.14	25.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	24.12	24.12	24.11	25.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	24.11	24.08	24.14	25.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	24.10	24.14	24.13	25.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	24.18	24.08	24.17	25.5

Par270 n77_Ant 6							
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	QPSK	1	1	22.21	22.12	22.21	
100	QPSK	1	137	23.01	23.21	23.15	
100	QPSK	1	271	22.72	22.84	23.04	25.0
100	QPSK	135	0	23.56	23.56	23.02	
100	QPSK	135	69	23.00	23.18	23.17	25.0
100	QPSK	135	138	21.81	22.24	22.16	
100	QPSK	270	0	21.64	22.05	22.01	24.0
100	16QAM	1	1	21.07	21.41	21.62	24.0
100	16QAM	1	1	19.86	19.86	20.10	22.5
100	256QAM	1	1	18.34	18.37	18.36	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	66968	66900	66332	Tune-up limit (dBm) MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.87	23.15	23.14	25.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	22.70	23.15	23.16	25.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	22.79	23.12	23.17	26.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	22.86	23.14	23.14	25.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	22.86	23.16	23.12	25.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	22.79	23.14	23.09	25.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	22.87	23.20	23.10	25.0

Par27Q n77_Ant 6							
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	QPSK	1	1		3499.86		
100	QPSK	1	1	22.56			
100	QPSK	1	271	22.80			24.5
100	QPSK	135	69	22.08			
100	QPSK	135	69	23.08			24.5
100	QPSK	135	138	21.87			
100	QPSK	270	0	22.05		22.5	1.0
100	16QAM	1	1	21.66		23.5	1.0
100	16QAM	1	1	20.11		22.0	2.5
100	256QAM	1	1	18.69		20.0	4.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dBm) MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.08	23.05	23.05	24.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	23.09	23.09	23.11	24.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.10	23.05	23.10	24.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	23.10	23.05	23.10	24.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	23.08	23.05	23.09	24.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	23.05	23.06	23.09	24.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	23.11	23.10	23.10	24.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	23.08	23.05	23.03	24.5



Par270 n77_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				65000	65000	65000	
100	QPSK	1	1	23.28	23.31	23.38	
100	QPSK	1	137	23.75	23.83	23.94	25.5
100	QPSK	1	271	23.67	23.21	23.04	
100	QPSK	135	0	22.98	22.81	22.04	
100	QPSK	135	69	23.06	23.74	23.50	25.5
100	QPSK	135	138	22.81	22.64	21.09	
100	QPSK	270	0	22.64	22.64	22.01	24.5
100	16QAM	1	1	21.84	22.41	21.81	24.5
100	16QAM	1	1	20.28	20.81	20.23	25.5
100	256QAM	1	1	18.80	19.35	18.74	21.0
Channel							
Frequency (MHz)				648668	656000	662432	
90	QPSK	1	1	23.11	23.12	23.33	25.5
Channel							
Frequency (MHz)				649334	656000	662666	
80	QPSK	1	1	23.70	23.74	23.30	25.5
Channel							
Frequency (MHz)				648668	656000	663332	
80	QPSK	1	1	23.06	23.77	23.27	25.5
Channel							
Frequency (MHz)				648334	656000	663666	
90	QPSK	1	1	23.11	23.12	23.33	25.5
Channel							
Frequency (MHz)				647998	656000	664000	
40	QPSK	1	1	23.73	23.76	23.34	25.5
Channel							
Frequency (MHz)				647998	656000	664332	
30	QPSK	1	1	23.09	23.77	23.30	25.5
Channel							
Frequency (MHz)				647668	656000	664666	
20	QPSK	1	1	23.72	23.79	23.30	25.5

Par27Q n77_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				633332	633332	633332	
100	QPSK	1	1	22.82	23.13	23.13	
100	QPSK	1	137	23.13	23.06	23.06	24.5
100	QPSK	1	271	23.06	23.06	23.06	
100	QPSK	135	0	22.98	23.10	23.10	
100	QPSK	135	69	23.10	23.10	23.10	24.5
100	QPSK	135	138	21.98	22.08	21.98	
100	QPSK	270	0	22.08	22.08	22.08	23.5
100	16QAM	1	1	21.53	21.53	21.53	1.0
100	16QAM	1	1	19.98	19.98	19.98	2.5
100	256QAM	1	1	18.60	18.60	18.60	4.5
Channel							
Frequency (MHz)				633000	633332	633668	
90	QPSK	1	1	23.11	23.05	23.06	24.5
Channel							
Frequency (MHz)				632668	633332	634000	
80	QPSK	1	1	23.08	23.02	23.02	24.5
Channel							
Frequency (MHz)				632000	633332	634668	
60	QPSK	1	1	23.08	23.01	22.97	24.5
Channel							
Frequency (MHz)				631668	633332	635000	
50	QPSK	1	1	23.10	23.00	22.99	24.5
Channel							
Frequency (MHz)				631334	633332	635332	
40	QPSK	1	1	23.03	22.96	22.97	24.5
Channel							
Frequency (MHz)				631000	633332	635668	
30	QPSK	1	1	23.07	23.03	23.01	24.5
Channel							
Frequency (MHz)				630668	633332	636000	
20	QPSK	1	1	23.03	23.02	23.02	24.5

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BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				650000	650000	650000	
100	QPSK	1	1	23.21	23.21	23.21	
100	QPSK	1	137	23.19	23.19	23.19	24.5
100	QPSK	1	271	23.19	23.19	23.19	
100	QPSK	135	0	21.98	22.08	22.08	
100	QPSK	135	69	23.16	23.16	23.16	24.5
100	QPSK	135	138	22.29	22.29	22.29	
100	QPSK	270	0	22.08	22.08	22.08	23.5
100	16QAM	1	1	21.27	21.27	21.27	1.0
100	16QAM	1	1	19.72	19.72	19.72	2.5
100	256QAM	1	1	18.26	18.26	18.26	4.5
Channel							
Frequency (MHz)				648668	656000	663332	
90	QPSK	1	1	23.12	23.16	23.16	24.5
Channel							
Frequency (MHz)				649334	656000	663666	
80	QPSK	1	1	23.12	23.20	23.13	24.5
Channel							
Frequency (MHz)				648668	656000	663998	
60	QPSK	1	1	23.18	23.13	23.20	24.5
Channel							
Frequency (MHz)				648334	656000	664332	
50	QPSK	1	1	23.14	23.14	23.16	24.5
Channel							
Frequency (MHz)				647998	656000	664666	
40	QPSK	1	1	23.14	23.15	23.14	24.5
Channel							
Frequency (MHz)				647668	656000	665000	
30	QPSK	1	1	23.13	23.13	23.12	24.5
Channel							
Frequency (MHz)				647338	656000	665332	
20	QPSK	1	1	23.16	23.16	23.14	24.5



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BW [MHz]	Modulation	RB 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	QPSK	1	1	22.33					
100	QPSK	1	137	22.52			24.0	0.0	
100	QPSK	1	271	22.52					
100	QPSK	135	0	21.66			24.0	0.0	
100	QPSK	135	69	22.52					
100	QPSK	135	138	21.62			23.0	1.0	
100	QPSK	270	0	21.62			23.0	1.0	
100	16QAM	1	1	21.22			23.0	1.0	
100	16QAM	1	1	19.71			21.5	2.5	
100	256QAM	1	1	18.27			19.5	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
90	QPSK	1	1	22.54	22.51	22.55	24.0	0.0	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
80	QPSK	1	1	22.57	22.58	22.58	24.0	0.0	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
60	QPSK	1	1	22.61	22.58	22.59	24.0	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
50	QPSK	1	1	22.54	22.50	22.52	24.0	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
40	QPSK	1	1	22.59	22.56	22.57	24.0	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
30	QPSK	1	1	22.60	22.52	22.53	24.0	0.0	
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)							24.0	0.0	
20	QPSK	1	1	22.57	22.53	22.57	24.0	0.0	

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)							3795		
100	QPSK	1	1	23.54					
100	QPSK	1	137	23.65			25.5	0.0	
100	QPSK	1	271	23.48					
100	QPSK	135	0	22.67			25.5	0.0	
100	QPSK	135	69	23.63					
100	QPSK	135	138	22.53			24.5	1.0	
100	QPSK	270	0	22.61			24.5	1.0	
100	16QAM	1	1	22.26			23.0	2.5	
100	16QAM	1	1	20.79			21.0	4.5	
100	256QAM	1	1	19.26			21.0	4.5	
Channel				649668	650000	650332	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
90	QPSK	1	1	23.65	23.60	23.63	25.5	0.0	
Channel				649334	650000	650666	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
80	QPSK	1	1	23.60	23.62	23.62	25.5	0.0	
Channel				648666	650000	651332	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
60	QPSK	1	1	23.61	23.55	23.53	25.5	0.0	
Channel				648334	650000	651666	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
50	QPSK	1	1	23.61	23.59	23.53	25.5	0.0	
Channel				648000	650000	652000	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
40	QPSK	1	1	23.67	23.60	23.58	25.5	0.0	
Channel				647668	650000	652332	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
30	QPSK	1	1	23.57	23.55	23.56	25.5	0.0	
Channel				647334	650000	652666	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
20	QPSK	1	1	23.64	23.57	23.57	25.5	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)							3499.98		
100	QPSK	1	1	22.32					
100	QPSK	1	137	22.50			25.5	0.0	
100	QPSK	1	271	23.51					
100	QPSK	135	0	23.05			25.5	0.0	
100	QPSK	135	69	24.01					
100	QPSK	135	138	22.92			24.5	1.0	
100	QPSK	270	0	23.04			24.5	1.0	
100	16QAM	1	1	22.53			24.5	1.0	
100	16QAM	1	1	21.07			23.0	2.5	
100	256QAM	1	1	19.60			21.0	4.5	
Channel				633000	633332	633666	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
90	QPSK	1	1	24.02	24.02	24.01	25.5	0.0	
Channel				632668	633332	634000	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
80	QPSK	1	1	24.05	24.06	24.01	25.5	0.0	
Channel				632000	633332	634666	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
60	QPSK	1	1	24.04	24.03	24.04	25.5	0.0	
Channel				631668	633332	635000	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
50	QPSK	1	1	24.07	24.01	24.06	25.5	0.0	
Channel				631334	633332	635332	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
40	QPSK	1	1	24.08	24.04	24.05	25.5	0.0	
Channel				631000	633332	635666	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
30	QPSK	1	1	24.00	24.00	24.06	25.5	0.0	
Channel				630668	633332	636000	Tune-up limit (dB)	MPR	
Frequency (MHz)							25.5	0.0	
20	QPSK	1	1	24.06	24.01	24.05	25.5	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	MPR (dB)
Channel							
Frequency (MHz)				3750			
100	QPSK	1	1	22.06			
100	QPSK	1	137	23.11			24.5
100	QPSK	1	271	23.12			
100	QPSK	135	6	21.85			24.5
100	QPSK	135	69	23.03			
100	QPSK	135	138	22.10			24.5
100	QPSK	270	0	22.33		23.5	1.0
100	16QAM	1	1	21.44		23.5	1.0
100	16QAM	1	1	19.88		22.0	2.5
100	16QAM	1	1	18.41		20.0	4.5
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				649334	649666	650000	MPR (dB)
90	QPSK	1	1	23.11	23.16	23.15	24.5
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				649000	649332	650000	MPR (dB)
80	QPSK	1	1	23.10	23.15	23.16	24.5
Channel				649668	650000	651332	Tune-up limit
Frequency (MHz)				649334	649666	650332	MPR (dB)
60	QPSK	1	1	23.07	23.16	23.13	24.5
Channel				649334	650000	651666	Tune-up limit
Frequency (MHz)				649000	649332	650000	MPR (dB)
90	QPSK	1	1	23.06	23.06	23.19	24.5
Channel				649000	650000	652000	Tune-up limit
Frequency (MHz)				648666	649000	649666	MPR (dB)
40	QPSK	1	1	23.07	23.14	23.09	24.5
Channel				649000	650000	652332	Tune-up limit
Frequency (MHz)				648666	649000	649666	MPR (dB)
30	QPSK	1	1	23.09	23.13	23.15	24.5
Channel				649000	650000	652666	Tune-up limit
Frequency (MHz)				648666	649000	649666	MPR (dB)
20	QPSK	1	1	23.01	23.08	23.09	24.5

Par27Q 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							
Frequency (MHz)				3469.98			
100	QPSK	1	1	22.24			
100	QPSK	1	137	23.01			24.5
100	QPSK	1	271	22.84			
100	QPSK	135	6	22.01			24.5
100	QPSK	135	69	23.00			
100	QPSK	135	138	21.90			24.5
100	QPSK	270	0	22.07		23.5	1.0
100	16QAM	1	1	21.61		23.5	1.0
100	16QAM	1	1	20.06		22.0	2.5
100	16QAM	1	1	18.61		20.0	4.5
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				632666	633000	633332	MPR (dB)
90	QPSK	1	1	22.97	22.94	22.93	24.5
Channel				632666	633332	634000	Tune-up limit
Frequency (MHz)				632332	632666	633332	MPR (dB)
80	QPSK	1	1	22.96	22.91	22.88	24.5
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				631666	632000	632666	MPR (dB)
60	QPSK	1	1	22.91	22.85	22.85	24.5
Channel				631666	633332	635000	Tune-up limit
Frequency (MHz)				631332	631666	632332	MPR (dB)
90	QPSK	1	1	22.89	22.89	22.88	24.5
Channel				631332	633332	635332	Tune-up limit
Frequency (MHz)				631000	631332	632000	MPR (dB)
40	QPSK	1	1	22.89	22.88	22.90	24.5
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				630666	631000	631666	MPR (dB)
30	QPSK	1	1	22.94	22.89	22.85	24.5
Channel				630666	633332	636000	Tune-up limit
Frequency (MHz)				630332	630666	631332	MPR (dB)
20	QPSK	1	1	22.94	22.89	22.86	24.5



Part270 n78_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	MPR (dB)
Channel				650000			
Frequency (MHz)				3750			
100	QPSK	1	1	23.76			
100	QPSK	1	137	23.77		25.5	0.0
100	QPSK	1	271	23.77			
100	QPSK	135	6	23.83			
100	QPSK	135	69	23.84		25.5	0.0
100	QPSK	135	138	23.72			
100	QPSK	270	0	22.96		24.5	1.0
100	16QAM	1	1	21.87		24.5	1.0
100	16QAM	1	1	20.26		23.0	2.5
100	16QAM	1	1	18.91		21.0	4.5
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				649334	650000	650666	MPR
90	QPSK	1	1	23.74	23.71	23.74	25.5
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				649334	650000	650666	MPR
80	QPSK	1	1	23.70	23.70	23.70	25.5
Channel				649668	650000	651332	Tune-up limit
Frequency (MHz)				649334	650000	650666	MPR
60	QPSK	1	1	23.63	23.62	23.69	25.5
Channel				649334	650000	651666	Tune-up limit
Frequency (MHz)				649334	650000	651666	MPR
50	QPSK	1	1	23.66	23.67	23.61	25.5
Channel				649000	650000	652000	Tune-up limit
Frequency (MHz)				649000	650000	652000	MPR
40	QPSK	1	1	23.61	23.67	23.69	25.5
Channel				649000	650000	652332	Tune-up limit
Frequency (MHz)				649000	650000	652332	MPR
30	QPSK	1	1	23.68	23.68	23.64	25.5
Channel				649334	650000	652666	Tune-up limit
Frequency (MHz)				649334	650000	652666	MPR
20	QPSK	1	1	23.68	23.65	23.62	25.5

Par27Q n78_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq	Power Middle Ch./Freq	Power High Ch./Freq	MPR (dB)
Channel				633332			
Frequency (MHz)				3469.98			
100	QPSK	1	1	22.24			
100	QPSK	1	137	23.08		24.5	0.0
100	QPSK	1	271	23.08			
100	QPSK	135	6	22.04			
100	QPSK	135	69	22.06		24.5	0.0
100	QPSK	135	138	22.02			
100	QPSK	270	0	22.06		23.5	1.0
100	16QAM	1	1	21.58		23.5	1.0
100	16QAM	1	1	20.06		22.0	2.5
100	16QAM	1	1	18.62		20.0	4.5
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				632666	633332	634000	MPR
90	QPSK	1	1	23.04	23.06	23.03	24.5
Channel				632666	633332	634000	Tune-up limit
Frequency (MHz)				632666	633332	634000	MPR
80	QPSK	1	1	22.96	22.99	22.97	24.5
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				632000	633332	634666	MPR
60	QPSK	1	1	23.02	23.00	23.01	24.5
Channel				631666	633332	635000	Tune-up limit
Frequency (MHz)				631666	633332	635000	MPR
50	QPSK	1	1	23.01	22.98	23.00	24.5
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				631334	633332	635332	MPR
40	QPSK	1	1	23.03	23.05	22.96	24.5
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				631000	633332	635666	MPR
30	QPSK	1	1	23.02	23.04	23.01	24.5
Channel				630666	633332	636000	Tune-up limit
Frequency (MHz)				630666	633332	636000	MPR
20	QPSK	1	1	22.99	22.97	22.95	24.5



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Par270 n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. @60000	Power Middle Ch. / Freq. @60000	Power High Ch. / Freq. @60000	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.91	14.09	13.79	14.5	0.0	
100	QPSK	1	137	14.00	14.04	13.92	14.5	0.0	
100	QPSK	1	271	13.85	13.98	13.91	14.5	0.0	
100	QPSK	135	0	13.76	13.95	13.77	14.5	0.0	
100	QPSK	135	69	13.90	14.02	13.81	14.5	0.0	
100	QPSK	135	138	13.84	14.01	13.70	14.5	0.0	
100	QPSK	270	0	13.78	13.95	13.73	14.5	0.0	
100	16QAM	1	1	13.88	13.85	13.73	14.5	0.0	
100	16QAM	1	1	13.88	13.85	13.89	14.5	0.0	
100	16QAM	1	1	13.82	13.85	13.80	14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.94	13.99	13.87	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.90	14.01	13.82	14.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.95	13.94	13.82	14.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.92	14.01	13.88	14.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.96	13.96	13.85	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.96	13.95	13.86	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.91	13.95	13.84	14.5	0.0	

Par270 n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. @60000	Power Middle Ch. / Freq. @60000	Power High Ch. / Freq. @60000	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	12.80	13.07	12.85	14.5	0.0	
100	QPSK	1	137	12.85	13.07	12.85	14.5	0.0	
100	QPSK	1	271	12.85	13.07	12.85	14.5	0.0	
100	QPSK	135	0	12.85	13.07	12.85	14.5	0.0	
100	QPSK	135	69	12.87	13.07	12.71	14.5	0.0	
100	QPSK	135	138	12.71	13.07	12.71	14.5	0.0	
100	QPSK	270	0	12.78	13.07	12.78	14.5	0.0	
100	16QAM	1	1	12.86	13.07	12.86	14.5	0.0	
100	16QAM	1	1	12.86	13.07	12.86	14.5	0.0	
100	16QAM	1	1	12.81	13.07	12.81	14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.76	12.85	12.83	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.74	12.86	12.80	14.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.72	12.78	12.84	14.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.69	12.86	12.76	14.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.69	12.81	12.79	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.69	12.81	12.76	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.76	12.85	12.79	14.5	0.0	

Par270 n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. @60000	Power Middle Ch. / Freq. @60000	Power High Ch. / Freq. @60000	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.49	13.52	13.42	14.5	0.0	
100	QPSK	1	137	13.52	13.61	13.50	14.5	0.0	
100	QPSK	1	271	13.48	13.51	13.40	14.5	0.0	
100	QPSK	135	0	13.40	13.51	13.35	14.5	0.0	
100	QPSK	135	69	13.52	13.53	13.50	14.5	0.0	
100	QPSK	135	138	13.31	13.51	13.40	14.5	0.0	
100	QPSK	270	0	13.29	13.51	13.43	14.5	0.0	
100	16QAM	1	1	13.31	13.42	13.36	14.5	0.0	
100	16QAM	1	1	13.30	13.46	13.43	14.5	0.0	
100	16QAM	1	1	13.35	13.52	13.37	14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.29	13.47	13.37	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.31	13.52	13.43	14.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.36	13.47	13.45	14.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.35	13.43	13.44	14.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.32	13.46	13.38	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.30	13.40	13.35	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.31	13.47	13.44	14.5	0.0	



Par27Q n77_Ant 5							
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	QPSK	1	1		3499.88		
100	QPSK	1	1		14.00		
100	QPSK	1	1		15.13		15.5
100	QPSK	1	271		14.03		
100	QPSK	135	0		14.05		
100	QPSK	135	69		14.08		15.5
100	QPSK	135	138		14.02		
100	QPSK	270	0		14.01		15.5
100	16QAM	1	1		14.02		15.5
100	16QAM	1	1		13.98		15.5
100	256QAM	1	1		13.98		15.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	633000	633332	633666	MPR
Channel							
Frequency (MHz)							
90	QPSK	1	1	3499.88	3504.99	3510.10	MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	632000	633332	634666	MPR
Channel							
Frequency (MHz)							
60	QPSK	1	1	13.93	13.99	13.81	15.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	13.94	14.05	13.79	15.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	13.95	14.06	13.75	15.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.99	14.01	13.86	15.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	13.88	13.98	13.76	15.5

Par270 n77_Ant 6							
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	QPSK	1	1		3750	3840	3930
100	QPSK	1	1		13.39	13.47	13.32
100	QPSK	1	137		13.32	13.35	13.31
100	QPSK	1	271		13.40	13.49	13.39
100	QPSK	135	0		13.38	13.39	13.33
100	QPSK	135	69		13.32	13.33	13.31
100	QPSK	135	138		13.33	13.47	13.24
100	QPSK	270	0		13.33	13.43	13.25
100	16QAM	1	1		13.33	13.48	13.21
100	16QAM	1	1		13.31	13.43	13.24
100	256QAM	1	1		13.32	13.40	13.27
Channel							
Frequency (MHz)							
90	QPSK	1	1	669668	669000	668332	MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	3749.02	3840	3931.98	MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	669334	669000	668666	MPR
Channel							
Frequency (MHz)							
60	QPSK	1	1	13.27	13.44	13.25	15.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	13.31	13.38	13.30	15.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	13.29	13.48	13.19	15.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.27	13.49	13.29	15.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	13.26	13.40	13.31	15.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	13.30	13.38	13.22	15.5
Channel							
Frequency (MHz)							
10	QPSK	1	1	13.28	13.39	13.25	15.5

Par27Q n77_Ant 6							
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	QPSK	1	1		3499.88		
100	QPSK	1	1		13.38		
100	QPSK	1	137		13.27		15.0
100	QPSK	1	271		13.46		
100	QPSK	135	0		13.37		
100	QPSK	135	69		13.41		15.0
100	QPSK	135	138		13.29		
100	QPSK	270	0		13.30		15.0
100	16QAM	1	1		13.29		15.0
100	16QAM	1	1		13.30		15.0
100	256QAM	1	1		13.27		15.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	633000	633332	633666	MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	3499.88	3504.99	3510.10	MPR
Channel							
Frequency (MHz)							
80	QPSK	1	1	632000	633332	634666	MPR
Channel							
Frequency (MHz)							
60	QPSK	1	1	13.22	13.34	13.30	15.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	13.23	13.30	13.34	15.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	13.31	13.34	13.30	15.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.26	13.32	13.25	15.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	13.32	13.39	13.26	15.0



Par270 n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	21.47	21.54	21.69			
100	QPSK	1	137	21.55	21.62	21.69	23.5	0.0	
100	QPSK	1	271	21.45	21.61	21.61			
100	QPSK	135	6	21.42	21.44	21.44			
100	QPSK	135	69	21.49	21.52	21.49	23.5	0.0	
100	QPSK	135	138	21.43	21.46	21.47			
100	QPSK	270	0	21.45	21.50	21.57	23.5	0.0	
100	16QAM	1	1	21.33	21.39	21.36	23.5	0.0	
100	16QAM	1	1	20.85	20.94	21.02	23.0	0.5	
100	16QAM	1	1	18.87	19.02	18.96	21.5	2.5	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.43	21.49	21.46	23.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.40	21.51	21.41	23.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.45	21.42	21.43	23.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.47	21.48	21.41	23.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.44	21.45	21.42	23.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.43	21.45	21.43	23.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.40	21.44	21.41	23.5	0.0	

Par270 n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1		20.92				
100	QPSK	1	137		20.93		22.5	0.0	
100	QPSK	1	271		20.87				
100	QPSK	135	6		20.81				
100	QPSK	135	69		20.82		22.5	0.0	
100	QPSK	135	138		20.83				
100	QPSK	270	0		20.86		22.5	0.0	
100	16QAM	1	1		20.76		22.5	0.0	
100	16QAM	1	1		20.55		22.0	0.5	
100	16QAM	1	1		18.39		20.0	2.5	
Channel									
Frequency (MHz)									
90	QPSK	1	1	20.91	20.85	20.85	22.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.86	20.82	20.80	22.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.87	20.84	20.85	22.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.85	20.88	20.84	22.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.94	20.85	20.82	22.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.90	20.86	20.85	22.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.89	20.85	20.89	22.5	0.0	

Part270 n78_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1		13.49				
100	QPSK	1	137		13.57		15.0	0.0	
100	QPSK	1	271		13.54				
100	QPSK	135	0		13.47				
100	QPSK	135	69		13.56		15.0	0.0	
100	QPSK	135	138		13.55				
100	QPSK	270	0		13.46		15.0	0.0	
100	16QAM	1	1		13.50		15.0	0.0	
100	16QAM	1	1		13.43		15.0	0.0	
100	16QAM	1	1		13.44		15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.54	13.52	13.50	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.53	13.48	13.54	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.50	13.49	13.45	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.45	13.50	13.54	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.48	13.48	13.47	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.53	13.54	13.49	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.54	13.54	13.52	15.0	0.0	



Par27Q n78_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)							
100	QPSK	1	1	12.93	3499.98	limit	
100	QPSK	1	137	12.95	limit	14.5	0.0
100	QPSK	1	271	12.84	limit	14.5	0.0
100	QPSK	135	6	12.92	limit	14.5	0.0
100	QPSK	135	69	12.93	limit	14.5	0.0
100	QPSK	135	138	12.77	limit	14.5	0.0
100	QPSK	270	0	12.75	limit	14.5	0.0
100	16QAM	1	1	12.76	limit	14.5	0.0
100	16QAM	1	1	12.81	limit	14.5	0.0
100	256QAM	1	1	12.75	limit	14.5	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	12.87	12.84	12.76	14.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	12.83	12.84	12.76	14.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	12.88	12.89	12.76	14.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	12.86	12.90	12.83	14.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	12.82	12.88	12.82	14.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	12.85	12.84	12.77	14.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	12.80	12.90	12.75	14.5

Part270 n78_Ant 5							
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	QPSK	1	1	13.00	3750	limit	
100	QPSK	1	137	13.12	limit	15.0	0.0
100	QPSK	1	271	13.08	limit	15.0	0.0
100	QPSK	135	6	13.01	limit	15.0	0.0
100	QPSK	135	69	13.10	limit	15.0	0.0
100	QPSK	135	138	12.98	limit	15.0	0.0
100	QPSK	270	0	13.05	limit	15.0	0.0
100	16QAM	1	1	13.00	limit	15.0	0.0
100	16QAM	1	1	12.96	limit	15.0	0.0
100	256QAM	1	1	12.96	limit	15.0	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	12.79	12.81	12.77	15.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	12.91	12.80	12.88	15.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	12.82	12.82	12.79	15.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	12.90	12.74	12.78	15.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	12.80	12.73	12.85	15.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	12.87	12.74	12.75	15.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	12.84	12.72	12.80	15.0

Par27Q n78_Ant 5							
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	QPSK	1	1	13.22	3499.98	limit	
100	QPSK	1	137	13.40	limit	15.0	0.0
100	QPSK	1	271	13.37	limit	15.0	0.0
100	QPSK	135	6	13.16	limit	15.0	0.0
100	QPSK	135	69	13.29	limit	15.0	0.0
100	QPSK	135	138	13.26	limit	15.0	0.0
100	QPSK	270	0	13.21	limit	15.0	0.0
100	16QAM	1	1	13.23	limit	15.0	0.0
100	16QAM	1	1	13.26	limit	15.0	0.0
100	256QAM	1	1	13.22	limit	15.0	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	13.12	13.08	12.99	15.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	13.09	13.06	13.04	15.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	13.09	13.04	13.01	15.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	13.14	13.10	13.03	15.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	13.15	13.09	12.98	15.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.13	13.02	13.04	15.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	13.18	13.07	12.95	15.0



Part27O 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							
Frequency (MHz)				650000			
100	QPSK	1	1	13.90	13.90	13.90	
100	QPSK	1	137	13.90	13.90	13.90	
100	QPSK	1	271	13.90	13.90	13.90	
100	QPSK	135	69	13.90	13.90	13.90	
100	QPSK	135	138	13.90	13.90	13.90	
100	QPSK	270	0	13.90	13.90	13.90	
100	16QAM	1	1	13.97	13.97	13.97	15.5
100	16QAM	1	1	13.96	13.96	13.96	15.5
100	16QAM	1	1	13.97	13.97	13.97	15.5
Channel							
Frequency (MHz)				650000		650332	
90	QPSK	1	1	13.84	13.84	13.75	15.5
Channel							
Frequency (MHz)				650000		650666	
80	QPSK	1	1	13.91	13.91	13.76	15.5
Channel							
Frequency (MHz)				650000		651332	
60	QPSK	1	1	13.86	13.84	13.78	15.5
Channel							
Frequency (MHz)				650000		651666	
50	QPSK	1	1	13.93	13.92	13.73	15.5
Channel							
Frequency (MHz)				650000		652000	
40	QPSK	1	1	13.90	13.87	13.73	15.5
Channel							
Frequency (MHz)				650000		652332	
30	QPSK	1	1	13.93	13.92	13.75	15.5
Channel							
Frequency (MHz)				650000		652666	
20	QPSK	1	1	13.94	13.85	13.83	15.5

Par27Q 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							
Frequency (MHz)				633332			
100	QPSK	1	1	13.83	13.83	13.83	
100	QPSK	1	137	13.83	13.81	13.81	
100	QPSK	1	271	13.86	13.86	13.86	
100	QPSK	135	69	13.85	13.85	13.85	
100	QPSK	135	138	13.77	13.77	13.77	
100	QPSK	270	0	13.72	13.72	13.72	
100	16QAM	1	1	13.76	13.76	13.76	15.5
100	16QAM	1	1	13.80	13.80	13.80	15.5
100	16QAM	1	1	13.79	13.79	13.79	15.5
Channel							
Frequency (MHz)				633000		633332	
90	QPSK	1	1	13.83	13.73	13.73	15.5
Channel							
Frequency (MHz)				633666		634000	
80	QPSK	1	1	13.76	13.63	13.73	15.5
Channel							
Frequency (MHz)				633000		634666	
60	QPSK	1	1	13.83	13.70	13.75	15.5
Channel							
Frequency (MHz)				631666		633332	
50	QPSK	1	1	13.79	13.64	13.80	15.5
Channel							
Frequency (MHz)				631332		633000	
40	QPSK	1	1	13.80	13.64	13.79	15.5
Channel							
Frequency (MHz)				630000		633332	
30	QPSK	1	1	13.84	13.71	13.77	15.5
Channel							
Frequency (MHz)				628666		633332	
20	QPSK	1	1	13.80	13.72	13.81	15.5



Part27O n78_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	22.00	22.00				
100	QPSK	1	137	22.15	22.15		24.0	0.0	
100	QPSK	1	271	22.11	22.11				
100	QPSK	135	0	21.98	21.98				
100	QPSK	135	69	22.06	22.06		24.0	0.0	
100	QPSK	135	138	22.00	22.00				
100	QPSK	270	0	22.23	22.23		24.0	0.0	
100	16QAM	1	1	22.23	22.23		24.0	0.0	
100	16QAM	1	1	21.98	21.98		24.0	0.0	
100	16QAM	1	1	19.98	19.98		21.0	3.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.04	22.04	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	22.04	22.04	22.04	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.07	22.07	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	22.07	22.07	22.07	24.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	22.02	22.02	22.02	24.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	22.00	22.00	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	22.03	22.03	22.00	24.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	22.02	22.01	22.08	24.0	0.0	

Par27Q n78_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	21.29	21.29				
100	QPSK	1	137	21.30	21.30		23.0	0.0	
100	QPSK	1	271	21.33	21.33				
100	QPSK	135	0	21.19	21.19				
100	QPSK	135	69	21.29	21.29		23.0	0.0	
100	QPSK	135	138	21.21	21.21				
100	QPSK	270	0	21.21	21.21		23.0	0.0	
100	16QAM	1	1	21.23	21.23		23.0	0.0	
100	16QAM	1	1	20.98	20.98		22.0	1.0	
100	16QAM	1	1	19.29	19.29		20.0	3.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.21	21.21	21.29	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.21	21.21	21.29	23.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	21.29	21.22	21.22	23.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.26	21.22	21.21	23.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	21.26	21.22	21.21	23.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	21.23	21.29	21.23	23.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	21.31	21.29	21.29	23.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	21.20	21.28	21.24	23.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	21.27	21.27	21.22	23.0	0.0	



DSI 1 Power

Par270 n77_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	QPSK	1	1	18.37	18.39	18.32				
100	QPSK	1	137	18.42	18.41	18.32	18.0	0.0		
100	QPSK	1	271	18.30	18.48	18.23				
100	QPSK	136	0	18.33	18.41	18.28				
100	QPSK	136	69	18.40	18.42	18.28	18.0	0.0		
100	QPSK	136	138	18.39	18.31	18.20				
100	QPSK	270	0	18.27	18.37	18.18	18.0	0.0		
100	16QAM	1	1	18.27	18.37	18.14	18.0	0.0		
100	16QAM	1	1	18.32	18.33	18.24	18.0	0.0		
100	256QAM	1	1	18.29	18.35	18.19	18.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		
90	QPSK	1	1	69334	69000	69266	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	68968	68900	68932	Tune-up limit (dB)	MPR		

Par27Q n77_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	QPSK	1	1	3498	3498	3498				
100	QPSK	1	137	15.43	15.53	15.43	17.0	0.0		
100	QPSK	1	271	15.42	15.42	15.42				
100	QPSK	136	0	15.41	15.41	15.41				
100	QPSK	136	69	15.43	15.43	15.43	17.0	0.0		
100	QPSK	136	138	15.41	15.41	15.41				
100	QPSK	270	0	15.34	15.34	15.34	17.0	0.0		
100	16QAM	1	1	15.42	15.42	15.42	17.0	0.0		
100	16QAM	1	1	15.37	15.37	15.37	17.0	0.0		
100	256QAM	1	1	15.32	15.32	15.32	17.0	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dB)	MPR		
90	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	63668	63332	63400	Tune-up limit (dB)	MPR		

Par270 n77_Ant 5										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
100	QPSK	1	1	15.47	15.44	15.52				
100	QPSK	1	137	15.82	15.85	15.80	17.5	0.0		
100	QPSK	1	271	15.59	15.58	15.55				
100	QPSK	136	0	15.48	15.53	15.52				
100	QPSK	136	69	15.59	15.61	15.58	17.5	0.0		
100	QPSK	136	138	15.47	15.48	15.49				
100	QPSK	270	0	15.47	15.62	15.45	17.5	0.0		
100	16QAM	1	1	15.54	15.54	15.48	17.5	0.0		
100	16QAM	1	1	15.56	15.49	15.52	17.5	0.0		
100	256QAM	1	1	15.59	15.56	15.53	17.5	0.0		
Channel										
Frequency (MHz)										
90	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		
90	QPSK	1	1	69334	69000	69266	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
80	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
60	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
50	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
40	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
30	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		
Channel										
Frequency (MHz)										
20	QPSK	1	1	68934	68900	68966	Tune-up limit (dB)	MPR		



Par27Q n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.09	15.11	15.13			
100	QPSK	1	137	15.11	15.11	15.11	17.5	0.0	
100	QPSK	1	271	15.11	15.11	15.11			
100	QPSK	135	0	15.09	15.09	15.09			
100	QPSK	135	69	15.09	15.09	15.09	17.5	0.0	
100	QPSK	135	138	15.04	15.04	15.04			
100	QPSK	270	0	15.04	15.04	15.04	17.5	0.0	
100	16QAM	1	1	15.04	15.04	15.04			
100	16QAM	1	1	15.07	15.07	15.07	17.5	0.0	
100	256QAM	1	1	15.09	15.09	15.09	17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63268	63332	63400	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	1534	1533	1530	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	1588	1533	1533	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	1537	1535	1533	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
40	QPSK	1	1	1507	1505	1503	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	1506	1505	1503	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
20	QPSK	1	1	1503	1507	1509	17.5	0.0	

Par270 n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.01	15.04	15.02			
100	QPSK	1	137	15.05	15.13	15.05	18.0	0.0	
100	QPSK	1	271	15.09	15.00	15.02			
100	QPSK	135	0	15.04	15.04	15.02			
100	QPSK	135	69	15.03	15.05	15.01	18.0	0.0	
100	QPSK	135	138	15.82	15.04	15.00			
100	QPSK	270	0	15.83	15.01	15.03	18.0	0.0	
100	16QAM	1	1	15.86	15.96	15.94	18.0	0.0	
100	16QAM	1	1	15.92	15.04	15.90	18.0	0.0	
100	256QAM	1	1	15.93	15.00	15.90	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	66908	66900	66932	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	66934	66900	66966	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	1582	1595	1588	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	1583	1583	1588	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	1586	1599	1595	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	1584	1582	1597	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	1592	1599	1589	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	1590	1600	1590	18.0	0.0	

Par27Q n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.91	15.95	15.92			
100	QPSK	1	137	15.95	15.95	15.95	17.5	0.0	
100	QPSK	1	271	15.95	15.95	15.95			
100	QPSK	135	0	15.92	15.92	15.92			
100	QPSK	135	69	15.93	15.93	15.93	17.5	0.0	
100	QPSK	135	138	15.79	15.79	15.79			
100	QPSK	270	0	15.74	15.74	15.74	17.5	0.0	
100	16QAM	1	1	15.71	15.71	15.71			
100	16QAM	1	1	15.72	15.72	15.72	17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63268	63332	63400	Tune-up limit (dB)	MPR (dB)	
Channel									
Frequency (MHz)									
80	QPSK	1	1	1581	1570	1560	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	1575	1576	1569	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	1574	1573	1567	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	1578	1568	1563	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	1578	1577	1563	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	1581	1565	1569	17.5	0.0	



Par27O n77_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750	3840	3930		
100	QPSK	1	1	14.83	14.80	14.87		
100	QPSK	1	137	15.30	15.30	15.33	17.0	0.0
100	QPSK	1	271	14.20	14.30	14.08		
100	QPSK	135	0	14.86	15.02	14.85		
100	QPSK	135	69	15.22	15.25	15.23	17.0	0.0
100	QPSK	135	138	14.98	15.02	14.87		
100	QPSK	270	0	15.01	15.02	15.01	17.0	0.0
100	16QAM	1	1	14.80	14.87	14.89	17.0	0.0
100	16QAM	1	1	14.85	14.88	14.85	17.0	0.0
100	256QAM	1	1	15.23	15.25	15.21	17.0	0.0
Channel								
Frequency (MHz)				649668	656000	662332	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	14.74	14.89	14.82	17.0	0.0
Channel								
Frequency (MHz)				649334	656000	662666	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	14.77	14.85	14.57	17.0	0.0
Channel								
Frequency (MHz)				648668	656000	663332	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	14.73	14.81	14.68	17.0	0.0
Channel								
Frequency (MHz)				648334	656000	663666	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	14.71	14.85	14.56	17.0	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	14.77	14.79	14.50	17.0	0.0
Channel								
Frequency (MHz)				3715.02	3849.00	3984.98	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	14.78	14.87	14.84	17.0	0.0
Channel								
Frequency (MHz)				3719.01	3840	3989.99	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	14.81	14.89	14.60	17.0	0.0

Par27Q n77_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3499.98				
100	QPSK	1	1	14.24				
100	QPSK	1	137	14.81			16.0	0.0
100	QPSK	1	271	14.49				
100	QPSK	135	0	14.51				
100	QPSK	135	69	14.54			16.0	0.0
100	QPSK	135	138	14.52				
100	QPSK	270	0	14.55			16.0	0.0
100	16QAM	1	1	14.10			16.0	0.0
100	16QAM	1	1	14.21			16.0	0.0
100	256QAM	1	1	14.58			16.0	0.0
Channel								
Frequency (MHz)				633000	633332	633668	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	14.28	14.32	14.23	16.0	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	14.27	14.30	14.23	16.0	0.0
Channel								
Frequency (MHz)				632000	633332	634668	Tune-up limit (dB)	MPR (dB)
60	QPSK	1	1	14.27	14.25	14.23	16.0	0.0
Channel								
Frequency (MHz)				631668	633332	635000	Tune-up limit (dB)	MPR (dB)
50	QPSK	1	1	14.28	14.22	14.27	16.0	0.0
Channel								
Frequency (MHz)				631334	633332	635332	Tune-up limit (dB)	MPR (dB)
40	QPSK	1	1	14.29	14.29	14.26	16.0	0.0
Channel								
Frequency (MHz)				3495	3499.98	3504.98	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	14.29	14.22	14.33	16.0	0.0
Channel								
Frequency (MHz)				3490.02	3499.98	3500	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	14.23	14.29	14.29	16.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				3750				
100	QPSK	1	1	15.59				
100	QPSK	1	137	16.07			17.5	0.0
100	QPSK	1	271	16.04				
100	QPSK	135	0	15.89				
100	QPSK	135	69	15.89			17.5	0.0
100	QPSK	135	138	15.88				
100	QPSK	270	0	15.87			17.5	0.0
100	16QAM	1	1	15.98			17.5	0.0
100	16QAM	1	1	15.94			17.5	0.0
100	256QAM	1	1	15.98			17.5	0.0
Channel								
Frequency (MHz)				649668	656000	663332	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	15.91	15.83	15.85	17.5	0.0
Channel								
Frequency (MHz)				649334	656000	663666	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	15.90	15.81	15.83	17.5	0.0
Channel								
Frequency (MHz)				648668	656000	663332	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	15.97	15.87	15.84	17.5	0.0
Channel								
Frequency (MHz)				648334	656000	663666	Tune-up limit (dB)	MPR (dB)
90	QPSK	1	1	15.93	15.80	15.83	17.5	0.0
Channel								
Frequency (MHz)				648000	656000	664000	Tune-up limit (dB)	MPR (dB)
80	QPSK	1	1	15.97	15.88	15.81	17.5	0.0
Channel								
Frequency (MHz)				3715.02	3750.00	3784.98	Tune-up limit (dB)	MPR (dB)
30	QPSK	1	1	15.91	15.81	15.92	17.5	0.0
Channel								
Frequency (MHz)				3719.01	3750	3789.99	Tune-up limit (dB)	MPR (dB)
20	QPSK	1	1	15.88	15.90	15.88	17.5	0.0



Par27Q n78_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)							
100	QPSK	1	1	15.20	15.33	15.49	17.5
100	QPSK	1	137	15.20	15.33	15.49	17.5
100	QPSK	1	271	15.20	15.33	15.49	17.5
100	QPSK	135	0	15.20	15.33	15.49	17.5
100	QPSK	135	69	15.20	15.33	15.49	17.5
100	QPSK	135	138	15.20	15.33	15.49	17.5
100	QPSK	270	0	15.20	15.33	15.49	17.5
100	16QAM	1	1	15.20	15.33	15.49	17.5
100	16QAM	1	1	15.20	15.33	15.49	17.5
100	16QAM	1	1	15.20	15.33	15.49	17.5
Channel							
Frequency (MHz)							
90	QPSK	1	1	15.16	15.23	15.14	17.5
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.16	15.14	15.11	17.5
Channel							
Frequency (MHz)							
60	QPSK	1	1	15.27	15.18	15.16	17.5
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.20	15.20	15.11	17.5
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.22	15.14	15.10	17.5
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.17	15.20	15.18	17.5
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.25	15.20	15.12	17.5

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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	QPSK	1	1	15.97	15.97	15.97	18.0
100	QPSK	1	137	15.97	15.97	15.97	18.0
100	QPSK	1	271	15.97	15.97	15.97	18.0
100	QPSK	135	0	15.97	15.97	15.97	18.0
100	QPSK	135	69	15.97	15.97	15.97	18.0
100	QPSK	135	138	15.97	15.97	15.97	18.0
100	QPSK	270	0	15.97	15.97	15.97	18.0
100	16QAM	1	1	15.94	15.94	15.94	18.0
100	16QAM	1	1	15.85	15.85	15.85	18.0
100	16QAM	1	1	15.87	15.87	15.87	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	15.84	15.85	15.84	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	15.89	15.79	15.72	18.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	15.92	15.84	15.73	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	15.91	15.78	15.77	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	15.84	15.86	15.81	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	15.91	15.87	15.77	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	15.93	15.82	15.80	18.0

Par27Q n78_Ant 5							
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	QPSK	1	1	16.43	16.58	16.41	18.0
100	QPSK	1	137	16.43	16.58	16.41	18.0
100	QPSK	1	271	16.43	16.58	16.41	18.0
100	QPSK	135	0	16.29	16.29	16.29	18.0
100	QPSK	135	69	16.29	16.29	16.29	18.0
100	QPSK	135	138	16.29	16.29	16.29	18.0
100	QPSK	270	0	16.29	16.29	16.29	18.0
100	16QAM	1	1	16.29	16.29	16.29	18.0
100	16QAM	1	1	16.31	16.31	16.31	18.0
100	16QAM	1	1	16.27	16.27	16.27	18.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	16.27	16.30	16.13	18.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	16.31	16.25	16.15	18.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	16.28	16.19	16.11	18.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	16.34	16.21	16.13	18.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	16.29	16.30	16.16	18.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	16.23	16.31	16.16	18.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	16.26	16.29	16.22	18.0



Part27O 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							
Frequency (MHz)				3750			
100	QPSK	1	1	15.87			
100	QPSK	1	137	15.87			
100	QPSK	1	271	15.89			
100	QPSK	135	69	15.89			
100	QPSK	135	69	15.84			
100	QPSK	135	138	15.87			
100	QPSK	270	0	15.81			
100	16QAM	1	1	15.89		17.5	0.0
100	16QAM	1	1	15.83		17.5	0.0
100	16QAM	1	1	15.92		17.5	0.0
Channel							
Frequency (MHz)				649668	650000	650332	Tune-up limit (dB)
Channel				649334	650000	650666	MPR (dB)
90	QPSK	1	1	15.90	15.81	15.84	17.5
Frequency (MHz)				649334	650000	650666	Tune-up limit (dB)
Channel				649334	650000	650666	MPR (dB)
80	QPSK	1	1	15.89	15.72	15.78	17.5
Frequency (MHz)				649668	650000	651332	Tune-up limit (dB)
Channel				649668	650000	651332	MPR (dB)
60	QPSK	1	1	15.87	15.74	15.78	17.5
Frequency (MHz)				649334	650000	651666	Tune-up limit (dB)
Channel				649334	650000	651666	MPR (dB)
90	QPSK	1	1	15.92	15.77	15.78	17.5
Frequency (MHz)				649334	650000	652000	Tune-up limit (dB)
Channel				649334	650000	652000	MPR (dB)
40	QPSK	1	1	15.84	15.74	15.79	17.5
Frequency (MHz)				649668	650000	652332	Tune-up limit (dB)
Channel				649668	650000	652332	MPR (dB)
30	QPSK	1	1	15.86	15.76	15.75	17.5
Frequency (MHz)				649334	650000	652666	Tune-up limit (dB)
Channel				649334	650000	652666	MPR (dB)
20	QPSK	1	1	15.90	15.80	15.77	17.5

Par27Q 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							
Frequency (MHz)				3469.98			
100	QPSK	1	1	15.88			
100	QPSK	1	137	15.80			
100	QPSK	1	271	15.81			
100	QPSK	135	69	15.70			
100	QPSK	135	69	15.79			
100	QPSK	135	138	15.77			
100	QPSK	270	0	15.66			
100	16QAM	1	1	15.72		17.5	0.0
100	16QAM	1	1	15.68		17.5	0.0
100	16QAM	1	1	15.75		17.5	0.0
Channel							
Frequency (MHz)				633000	633332	633666	Tune-up limit (dB)
Channel				632666	633332	634000	MPR (dB)
90	QPSK	1	1	15.74	15.61	15.62	17.5
Frequency (MHz)				632666	633332	634000	Tune-up limit (dB)
Channel				632666	633332	634000	MPR (dB)
80	QPSK	1	1	15.70	15.61	15.59	17.5
Frequency (MHz)				632000	633332	634666	Tune-up limit (dB)
Channel				632000	633332	634666	MPR (dB)
60	QPSK	1	1	15.78	15.56	15.66	17.5
Frequency (MHz)				631666	633332	635000	Tune-up limit (dB)
Channel				631666	633332	635000	MPR (dB)
90	QPSK	1	1	15.78	15.60	15.62	17.5
Frequency (MHz)				631334	633332	635332	Tune-up limit (dB)
Channel				631334	633332	635332	MPR (dB)
40	QPSK	1	1	15.78	15.59	15.66	17.5
Frequency (MHz)				631000	633332	635666	Tune-up limit (dB)
Channel				631000	633332	635666	MPR (dB)
30	QPSK	1	1	15.72	15.60	15.56	17.5
Frequency (MHz)				630666	633332	636000	Tune-up limit (dB)
Channel				630666	633332	636000	MPR (dB)
20	QPSK	1	1	15.78	15.59	15.64	17.5



Part27O n78_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)				3750			
100	QPSK	1	1	15.00			
100	QPSK	1	137	15.21			
100	QPSK	1	271	15.18			
100	QPSK	135	6	15.13			
100	QPSK	135	69	15.13			
100	QPSK	135	138	15.08			
100	QPSK	270	0	15.05			
100	16QAM	1	1	15.03		17.0	0.0
100	16QAM	1	1	15.10		17.0	0.0
100	16QAM	1	1	15.06		17.0	0.0
Channel				649668	650000	650332	Tune-up limit (dB)
Frequency (MHz)				649334	650000	650666	MPR (dB)
90	QPSK	1	1	15.05	14.85	15.02	17.0
Channel				649334	650000	650666	Tune-up limit (dB)
Frequency (MHz)				649334	650000	650666	MPR (dB)
80	QPSK	1	1	15.01	14.92	15.02	17.0
Channel				649668	650000	651332	Tune-up limit (dB)
Frequency (MHz)				649334	650000	650666	MPR (dB)
60	QPSK	1	1	15.06	14.92	14.96	17.0
Channel				649334	650000	651666	Tune-up limit (dB)
Frequency (MHz)				649334	650000	651666	MPR (dB)
90	QPSK	1	1	15.04	14.97	15.03	17.0
Channel				649000	650000	652000	Tune-up limit (dB)
Frequency (MHz)				649000	650000	652000	MPR (dB)
40	QPSK	1	1	15.08	14.99	15.04	17.0
Channel				649000	650000	652332	Tune-up limit (dB)
Frequency (MHz)				649000	650000	652332	MPR (dB)
30	QPSK	1	1	15.05	14.93	15.00	17.0
Channel				649334	650000	652666	Tune-up limit (dB)
Frequency (MHz)				649334	650000	652666	MPR (dB)
20	QPSK	1	1	15.11	14.93	15.01	17.0

Par27Q n78_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	MPR (dB)
Channel							
Frequency (MHz)				3469.98			
100	QPSK	1	1	14.44			
100	QPSK	1	137	14.52			
100	QPSK	1	271	14.47			
100	QPSK	135	6	14.50			
100	QPSK	135	69	14.51			
100	QPSK	135	138	14.38			
100	QPSK	270	0	14.38			
100	16QAM	1	1	14.42		16.0	0.0
100	16QAM	1	1	14.44		16.0	0.0
100	16QAM	1	1	14.50		16.0	0.0
Channel				633000	633332	633666	Tune-up limit (dB)
Frequency (MHz)				632666	633332	634000	MPR (dB)
90	QPSK	1	1	14.50	14.41	14.44	16.0
Channel				632666	633332	634000	Tune-up limit (dB)
Frequency (MHz)				632666	633332	634000	MPR (dB)
80	QPSK	1	1	14.47	14.35	14.38	16.0
Channel				632000	633332	634666	Tune-up limit (dB)
Frequency (MHz)				632000	633332	634666	MPR (dB)
60	QPSK	1	1	14.39	14.37	14.36	16.0
Channel				631666	633332	635000	Tune-up limit (dB)
Frequency (MHz)				631666	633332	635000	MPR (dB)
90	QPSK	1	1	14.45	14.36	14.40	16.0
Channel				631334	633332	635332	Tune-up limit (dB)
Frequency (MHz)				631334	633332	635332	MPR (dB)
40	QPSK	1	1	14.40	14.42	14.36	16.0
Channel				631000	633332	635666	Tune-up limit (dB)
Frequency (MHz)				631000	633332	635666	MPR (dB)
30	QPSK	1	1	14.40	14.35	14.35	16.0
Channel				630666	633332	636000	Tune-up limit (dB)
Frequency (MHz)				630666	633332	636000	MPR (dB)
20	QPSK	1	1	14.39	14.39	14.38	16.0



DSI 3 Power

Par270 n77_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)				3750	3840	3930	
100	QPSK	1	1	23.25	23.45	23.58	25.0
100	QPSK	1	137	23.25	23.85	23.95	0.0
100	QPSK	1	271	23.27	23.00	23.34	0.0
100	QPSK	156	0	23.88	23.56	23.78	0.0
100	QPSK	156	69	23.12	23.54	23.37	0.0
100	QPSK	130	138	22.28	22.36	22.36	0.0
100	QPSK	270	0	22.70	22.84	22.28	24.0
100	16QAM	1	1	21.15	22.16	21.93	24.0
100	16QAM	1	1	19.82	20.84	20.37	22.5
100	256QAM	1	1	18.15	18.35	18.92	20.5
Channel							
Frequency (MHz)				66968	66900	66232	Tune-up limit (dBm)
90	QPSK	1	1	3183.02	3180	3181.98	MPR (dB)
90	QPSK	1	1	22.52	23.82	23.54	25.0
Channel							
Frequency (MHz)				669334	669000	662666	Tune-up limit (dBm)
90	QPSK	1	1	3183.01	3180	3181.99	MPR (dB)
80	QPSK	1	1	23.26	23.83	23.83	25.0
Channel							
Frequency (MHz)				648968	669000	663332	Tune-up limit (dBm)
80	QPSK	1	1	3183.02	3180	3181.98	MPR (dB)
60	QPSK	1	1	23.25	23.57	23.52	25.0
Channel							
Frequency (MHz)				648334	669000	663666	Tune-up limit (dBm)
50	QPSK	1	1	23.26	23.57	23.50	25.0
Channel							
Frequency (MHz)				648900	669000	664800	Tune-up limit (dBm)
40	QPSK	1	1	23.26	23.82	23.46	25.0
Channel							
Frequency (MHz)				3715.02	3840.00	3964.98	Tune-up limit (dBm)
30	QPSK	1	1	23.26	23.58	23.53	25.0
Channel							
Frequency (MHz)				3710.01	3840	3969.98	Tune-up limit (dBm)
20	QPSK	1	1	23.25	23.80	23.53	25.0

Par27Q n77_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)				3498.88			
100	QPSK	1	1	22.23	22.51	22.51	24.0
100	QPSK	1	137	22.43	22.81	22.81	0.0
100	QPSK	1	271	22.43	22.81	22.81	0.0
100	QPSK	156	0	21.52	21.52	21.52	24.0
100	QPSK	156	69	22.58	22.58	22.58	0.0
100	QPSK	130	138	21.41	21.41	21.41	23.0
100	QPSK	270	0	21.51	21.51	21.51	23.0
100	16QAM	1	1	21.12	21.12	21.12	23.0
100	16QAM	1	1	19.57	19.57	19.57	21.5
100	256QAM	1	1	18.36	18.36	18.36	19.5
Channel							
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm)
90	QPSK	1	1	3183.02	3180	3181.98	MPR (dB)
90	QPSK	1	1	22.52	22.58	22.56	24.0
Channel							
Frequency (MHz)				632668	633332	634000	Tune-up limit (dBm)
90	QPSK	1	1	3183.01	3180	3181.99	MPR (dB)
80	QPSK	1	1	22.58	22.58	22.53	24.0
Channel							
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm)
80	QPSK	1	1	3183.02	3180	3181.98	MPR (dB)
60	QPSK	1	1	22.57	22.59	22.53	24.0
Channel							
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm)
60	QPSK	1	1	22.80	22.58	22.54	24.0
Channel							
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm)
40	QPSK	1	1	22.54	22.59	22.59	24.0
Channel							
Frequency (MHz)				3495	3498.88	3503.99	Tune-up limit (dBm)
30	QPSK	1	1	22.80	22.57	22.60	24.0
Channel							
Frequency (MHz)				3493.02	3498.88	3503.99	Tune-up limit (dBm)
20	QPSK	1	1	22.56	22.56	22.57	24.0

Par270 n77_Ant 5							
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	MPR (dB)
Channel							
Frequency (MHz)				3750	3840	3930	
100	QPSK	1	1	15.49	15.64	15.59	17.5
100	QPSK	1	137	15.82	15.85	15.80	0.0
100	QPSK	1	271	15.59	15.58	15.55	0.0
100	QPSK	156	0	15.48	15.53	15.52	0.0
100	QPSK	156	69	15.59	15.61	15.58	17.5
100	QPSK	130	138	15.47	15.48	15.49	0.0
100	QPSK	270	0	15.47	15.62	15.45	17.5
100	16QAM	1	1	15.54	15.54	15.48	17.5
100	16QAM	1	1	15.56	15.49	15.52	17.5
100	256QAM	1	1	15.59	15.56	15.53	17.5
Channel							
Frequency (MHz)				649668	669000	662332	Tune-up limit (dBm)
90	QPSK	1	1	3183.02	3180	3181.98	MPR (dB)
90	QPSK	1	1	15.46	15.41	15.38	17.5
Channel							
Frequency (MHz)				649334	669000	662666	Tune-up limit (dBm)
90	QPSK	1	1	3183.01	3180	3181.99	MPR (dB)
80	QPSK	1	1	15.48	15.38	15.39	17.5
Channel							
Frequency (MHz)				648968	669000	663332	Tune-up limit (dBm)
80	QPSK	1	1	3183.02	3180	3181.98	MPR (dB)
60	QPSK	1	1	15.37	15.39	15.40	17.5
Channel							
Frequency (MHz)				648334	669000	663666	Tune-up limit (dBm)
50	QPSK	1	1	15.40	15.40	15.40	17.5
Channel							
Frequency (MHz)				648900	669000	664000	Tune-up limit (dBm)
40	QPSK	1	1	15.37	15.48	15.46	17.5
Channel							
Frequency (MHz)				3715.02	3840.00	3964.98	Tune-up limit (dBm)
30	QPSK	1	1	15.40	15.48	15.35	17.5
Channel							
Frequency (MHz)				3710.01	3840	3969.98	Tune-up limit (dBm)
20	QPSK	1	1	15.43	15.43	15.38	17.5



Par27Q n77_Ant 5									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.09	15.11	15.13			
100	QPSK	1	137	15.11	15.11	15.11	17.5	0.0	
100	QPSK	1	271	16.10	16.10	16.10			
100	QPSK	135	0	15.95	15.95	15.95			
100	QPSK	135	69	16.08	16.08	16.08	17.5	0.0	
100	QPSK	135	138	16.04	16.04	16.04	17.5	0.0	
100	QPSK	270	0	16.05	16.05	16.05			
100	16QAM	1	1	16.04	16.04	16.04	17.5	0.0	
100	16QAM	1	1	16.07	16.07	16.07	17.5	0.0	
100	256QAM	1	1	15.99	15.99	15.99	17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366			
90	QPSK	1	1	15.37	15.05	15.09	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.94	16.03	16.00	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.88	16.03	16.03	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.87	15.98	15.83	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.97	16.05	15.79	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.96	15.95	15.87	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.93	15.97	15.89	17.5	0.0	

Par270 n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	16.01	16.04	16.02			
100	QPSK	1	137	16.06	16.06	16.06	18.0	0.0	
100	QPSK	1	271	16.09	16.00	16.02			
100	QPSK	135	0	15.82	15.84	15.82			
100	QPSK	135	69	16.03	16.06	16.01	18.0	0.0	
100	QPSK	135	138	16.82	16.04	16.00			
100	QPSK	270	0	15.83	16.01	15.93	18.0	0.0	
100	16QAM	1	1	15.86	15.96	15.94	18.0	0.0	
100	16QAM	1	1	16.92	16.04	16.00	18.0	0.0	
100	256QAM	1	1	15.93	16.00	15.90	18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	66968	66900	66932			
90	QPSK	1	1	15.84	16.04	15.89	18.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.866	16.800	16.832			
80	QPSK	1	1	15.82	15.96	15.88	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.83	16.03	15.88	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.86	15.99	15.96	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.84	16.02	15.97	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.92	15.99	15.89	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.90	16.00	15.90	18.0	0.0	

Par27Q n77_Ant 6									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.91	15.95	15.92			
100	QPSK	1	137	15.95	15.95	15.95	17.5	0.0	
100	QPSK	1	271	16.02	16.02	16.02			
100	QPSK	135	0	15.82	15.82	15.82			
100	QPSK	135	69	15.83	15.83	15.83	17.5	0.0	
100	QPSK	135	138	15.79	15.79	15.79	17.5	0.0	
100	QPSK	270	0	15.84	15.84	15.84			
100	16QAM	1	1	15.71	15.71	15.71	17.5	0.0	
100	16QAM	1	1	15.72	15.72	15.72	17.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366			
90	QPSK	1	1	15.70	15.72	15.68	17.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.81	15.70	15.60	17.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.75	15.76	15.69	17.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.74	15.73	15.67	17.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.78	15.68	15.63	17.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.78	15.77	15.63	17.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.81	15.65	15.69	17.5	0.0	



Par27O n77_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				65000	65000	65000		
100	QPSK	1	1	18.15	18.16	18.17		
100	QPSK	1	137	18.24	18.25	18.18	20.0	0.0
100	QPSK	1	271	18.17	18.18	18.14		
100	QPSK	135	0	18.02	18.06	18.03		
100	QPSK	135	69	18.12	18.17	18.15	20.0	0.0
100	QPSK	135	138	18.11	18.11	18.08		
100	QPSK	270	0	18.07	18.13	18.08	20.0	0.0
100	16QAM	1	1	18.05	18.14	18.03	20.0	0.0
100	16QAM	1	1	18.08	18.16	18.05	20.0	0.0
100	256QAM	1	1	18.08	18.16	18.07	20.0	0.0
Channel								
Frequency (MHz)				648668	650000	652332	Tune-up limit (dB)	MPR
90	QPSK	1	1	17.99	18.09	18.07	20.0	0.0
Channel								
Frequency (MHz)				648334	650000	652666	Tune-up limit (dB)	MPR
80	QPSK	1	1	18.09	18.08	18.00	20.0	0.0
Channel								
Frequency (MHz)				648668	650000	653332	Tune-up limit (dB)	MPR
60	QPSK	1	1	18.07	18.14	18.03	20.0	0.0
Channel								
Frequency (MHz)				648334	650000	653666	Tune-up limit (dB)	MPR
50	QPSK	1	1	18.07	18.06	18.02	20.0	0.0
Channel								
Frequency (MHz)				648000	650000	654000	Tune-up limit (dB)	MPR
40	QPSK	1	1	18.11	18.10	18.14	20.0	0.0
Channel								
Frequency (MHz)				647668	650000	654332	Tune-up limit (dB)	MPR
30	QPSK	1	1	17.99	18.12	18.04	20.0	0.0
Channel								
Frequency (MHz)				647334	650000	654666	Tune-up limit (dB)	MPR
20	QPSK	1	1	18.04	18.11	18.03	20.0	0.0

Par27Q n77_Ant 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)					3499.98			
100	QPSK	1	1		17.37			
100	QPSK	1	137		17.45		19.0	0.0
100	QPSK	1	271		17.45			
100	QPSK	135	0		17.35			
100	QPSK	135	69		17.44		19.0	0.0
100	QPSK	135	138		17.35			
100	QPSK	270	0		17.37		19.0	0.0
100	16QAM	1	1		17.36		19.0	0.0
100	16QAM	1	1		17.40		19.0	0.0
100	256QAM	1	1		17.33		19.0	0.0
Channel								
Frequency (MHz)				633000	633332	633668	Tune-up limit (dB)	MPR
90	QPSK	1	1	17.43	17.33	17.28	19.0	0.0
Channel								
Frequency (MHz)				632668	633332	634000	Tune-up limit (dB)	MPR
80	QPSK	1	1	17.42	17.37	17.29	19.0	0.0
Channel								
Frequency (MHz)				632000	633332	634668	Tune-up limit (dB)	MPR
60	QPSK	1	1	17.42	17.33	17.35	19.0	0.0
Channel								
Frequency (MHz)				631668	633332	635000	Tune-up limit (dB)	MPR
50	QPSK	1	1	17.43	17.28	17.32	19.0	0.0
Channel								
Frequency (MHz)				631334	633332	635332	Tune-up limit (dB)	MPR
40	QPSK	1	1	17.35	17.35	17.32	19.0	0.0
Channel								
Frequency (MHz)				631000	633332	635668	Tune-up limit (dB)	MPR
30	QPSK	1	1	17.39	17.29	17.32	19.0	0.0
Channel								
Frequency (MHz)				630668	633332	636000	Tune-up limit (dB)	MPR
20	QPSK	1	1	17.35	17.28	17.37	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)					3750			
100	QPSK	1	1		21.04			
100	QPSK	1	137		21.13		22.5	0.0
100	QPSK	1	271		21.04			
100	QPSK	135	0		21.10			
100	QPSK	135	69		21.12		22.5	0.0
100	QPSK	135	138		21.08			
100	QPSK	270	0		21.02		22.5	0.0
100	16QAM	1	1		21.02		22.5	0.0
100	16QAM	1	1		21.02		22.5	0.0
100	256QAM	1	1		21.02		22.5	0.0
Channel								
Frequency (MHz)				648668	650000	650332	Tune-up limit (dB)	MPR
90	QPSK	1	1	21.05	20.56	20.55	22.5	0.0
Channel								
Frequency (MHz)				648334	650000	650666	Tune-up limit (dB)	MPR
80	QPSK	1	1	20.59	20.50	20.57	22.5	0.0
Channel								
Frequency (MHz)				648668	650000	651332	Tune-up limit (dB)	MPR
60	QPSK	1	1	21.01	20.50	21.00	22.5	0.0
Channel								
Frequency (MHz)				648334	650000	651666	Tune-up limit (dB)	MPR
50	QPSK	1	1	21.02	20.51	21.03	22.5	0.0
Channel								
Frequency (MHz)				648000	650000	652000	Tune-up limit (dB)	MPR
40	QPSK	1	1	21.03	20.55	21.05	22.5	0.0
Channel								
Frequency (MHz)				647668	650000	652332	Tune-up limit (dB)	MPR
30	QPSK	1	1	21.04	20.58	20.58	22.5	0.0
Channel								
Frequency (MHz)				647334	650000	652666	Tune-up limit (dB)	MPR
20	QPSK	1	1	20.99	20.52	20.59	22.5	0.0



Par27Q n78_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	20.41	20.41				
100	QPSK	1	137	20.50	20.50				
100	QPSK	1	271	20.44	20.44		22.0	0.0	
100	QPSK	135	0	20.46	20.46				
100	QPSK	135	69	20.49	20.49		22.0	0.0	
100	QPSK	135	138	20.38	20.38		22.0	0.0	
100	QPSK	270	0	20.34	20.34				
100	16QAM	1	1	20.38	20.38		22.0	0.0	
100	16QAM	1	1	20.38	20.38		21.5	0.5	
100	256QAM	1	1	20.42	20.42		20.0	2.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dB)	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63268	63332	63400	Tune-up limit (dB)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	20.43	20.39	20.43	22.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	20.39	20.41	20.42	22.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	20.36	20.37	20.34	22.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	20.42	20.39	20.38	22.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	20.47	20.38	20.44	22.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	20.37	20.40	20.36	22.0	0.0	

Part270 n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	15.97	15.97				
100	QPSK	1	137	15.07	15.07		18.0	0.0	
100	QPSK	1	271	16.03	16.03				
100	QPSK	135	0	15.84	15.84				
100	QPSK	135	69	15.05	15.05		18.0	0.0	
100	QPSK	135	138	15.88	15.88				
100	QPSK	270	0	15.03	15.03		18.0	0.0	
100	16QAM	1	1	15.94	15.94		18.0	0.0	
100	16QAM	1	1	15.85	15.85		18.0	0.0	
100	256QAM	1	1	15.87	15.87		18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	66968	66900	66932	Tune-up limit (dB)	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	66934	66900	66966	Tune-up limit (dB)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	15.89	15.79	15.72	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	15.92	15.84	15.73	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	15.84	15.80	15.77	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	15.84	15.86	15.81	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	15.91	15.87	15.77	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	15.93	15.82	15.80	18.0	0.0	

Par27Q n78_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	16.43	16.43				
100	QPSK	1	137	16.56	16.56		18.0	0.0	
100	QPSK	1	271	16.41	16.41				
100	QPSK	135	0	16.29	16.29				
100	QPSK	135	69	16.56	16.56		18.0	0.0	
100	QPSK	135	138	16.25	16.25				
100	QPSK	270	0	16.29	16.29		18.0	0.0	
100	16QAM	1	1	16.29	16.29		18.0	0.0	
100	16QAM	1	1	16.31	16.31		18.0	0.0	
100	256QAM	1	1	16.27	16.27		18.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63300	63332	63366	Tune-up limit (dB)	MPR	
Channel									
Frequency (MHz)									
90	QPSK	1	1	63268	63332	63400	Tune-up limit (dB)	MPR	
Channel									
Frequency (MHz)									
80	QPSK	1	1	16.31	16.25	16.15	18.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	16.28	16.19	16.11	18.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	16.34	16.21	16.13	18.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	16.29	16.30	16.16	18.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	16.23	16.31	16.16	18.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	16.26	16.29	16.22	18.0	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	MPR (dB)
Channel							
Frequency (MHz)				3750			
100	QPSK	1	1	15.87			
100	QPSK	1	137	15.87			
100	QPSK	1	271	15.89			
100	QPSK	135	6	15.89			
100	QPSK	135	69	15.84			
100	QPSK	135	138	15.87			
100	QPSK	270	0	15.81			
100	16QAM	1	1	15.89		17.5	0.0
100	16QAM	1	1	15.83		17.5	0.0
100	16QAM	1	1	15.92		17.5	0.0
Channel				649668	650000	650332	Tune-up limit
Frequency (MHz)				649334	650000	650666	MPR
90	QPSK	1	1	15.90	15.81	15.84	17.5
Channel				649334	650000	650666	Tune-up limit
Frequency (MHz)				649334	650000	650666	MPR
80	QPSK	1	1	15.89	15.72	15.78	17.5
Channel				649668	650000	651332	Tune-up limit
Frequency (MHz)				649668	650000	651332	MPR
60	QPSK	1	1	15.87	15.74	15.78	17.5
Channel				649334	650000	651666	Tune-up limit
Frequency (MHz)				649334	650000	651666	MPR
90	QPSK	1	1	15.92	15.77	15.78	17.5
Channel				649000	650000	652000	Tune-up limit
Frequency (MHz)				649000	650000	652000	MPR
40	QPSK	1	1	15.84	15.74	15.79	17.5
Channel				649000	650000	652332	Tune-up limit
Frequency (MHz)				649000	650000	652332	MPR
30	QPSK	1	1	15.86	15.76	15.75	17.5
Channel				649334	650000	652666	Tune-up limit
Frequency (MHz)				649334	650000	652666	MPR
20	QPSK	1	1	15.90	15.80	15.77	17.5

Par27Q 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							
Frequency (MHz)				3469.98			
100	QPSK	1	1	15.81			
100	QPSK	1	137	15.80			
100	QPSK	1	271	15.81			
100	QPSK	135	6	15.70			
100	QPSK	135	69	15.79			
100	QPSK	135	138	15.77			
100	QPSK	270	0	15.66			
100	16QAM	1	1	15.72		17.5	0.0
100	16QAM	1	1	15.68		17.5	0.0
100	16QAM	1	1	15.75		17.5	0.0
Channel				633000	633332	633666	Tune-up limit
Frequency (MHz)				632666	633332	634000	MPR
90	QPSK	1	1	15.74	15.61	15.62	17.5
Channel				632666	633332	634000	Tune-up limit
Frequency (MHz)				632666	633332	634000	MPR
80	QPSK	1	1	15.70	15.61	15.59	17.5
Channel				632000	633332	634666	Tune-up limit
Frequency (MHz)				632000	633332	634666	MPR
60	QPSK	1	1	15.78	15.56	15.66	17.5
Channel				631666	633332	635000	Tune-up limit
Frequency (MHz)				631666	633332	635000	MPR
90	QPSK	1	1	15.78	15.60	15.62	17.5
Channel				631334	633332	635332	Tune-up limit
Frequency (MHz)				631334	633332	635332	MPR
40	QPSK	1	1	15.78	15.59	15.66	17.5
Channel				631000	633332	635666	Tune-up limit
Frequency (MHz)				631000	633332	635666	MPR
30	QPSK	1	1	15.72	15.60	15.56	17.5
Channel				630666	633332	636000	Tune-up limit
Frequency (MHz)				630666	633332	636000	MPR
20	QPSK	1	1	15.78	15.59	15.64	17.5



Part270 n78_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3750			
100	QPSK	1	1	18.00			
100	QPSK	1	137	18.21			
100	QPSK	1	271	18.18			
100	QPSK	135	6	18.13			
100	QPSK	135	69	18.13			
100	QPSK	135	138	18.08			
100	QPSK	220	0	18.00			
100	16QAM	1	1	18.03			
100	16QAM	1	1	18.10			
100	16QAM	1	1	18.06			
Channel							
Frequency (MHz)				649668	650000	650332	Tune-up limit (dBm) MPR
Channel				649334	650000	650666	Tune-up limit (dBm) MPR
Frequency (MHz)				314211	3150	316239	(dBm) (dB)
80	QPSK	1	1	18.01	17.92	18.02	20.0 0.0
Channel							
Frequency (MHz)				649668	650000	651332	Tune-up limit (dBm) MPR
Frequency (MHz)				3750102	3750	376238	(dBm) (dB)
60	QPSK	1	1	18.06	17.92	17.96	20.0 0.0
Channel							
Frequency (MHz)				649334	650000	651666	Tune-up limit (dBm) MPR
Frequency (MHz)				3752101	3750	376439	(dBm) (dB)
90	QPSK	1	1	18.04	17.97	18.03	20.0 0.0
Channel							
Frequency (MHz)				649000	650000	652000	Tune-up limit (dBm) MPR
Frequency (MHz)				3750	3750	3760	(dBm) (dB)
40	QPSK	1	1	18.00	17.99	18.04	20.0 0.0
Channel							
Frequency (MHz)				649100	650000	652332	Tune-up limit (dBm) MPR
Frequency (MHz)				3715102	3750000	376438	(dBm) (dB)
30	QPSK	1	1	18.05	17.93	18.00	20.0 0.0
Channel							
Frequency (MHz)				649334	650000	652666	Tune-up limit (dBm) MPR
Frequency (MHz)				3710101	3750	376939	(dBm) (dB)
20	QPSK	1	1	18.11	17.93	18.01	20.0 0.0

Par27Q n78_Ant 7							
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)
Channel							
Frequency (MHz)				3469.98			
100	QPSK	1	1	17.42			
100	QPSK	1	137	17.50			
100	QPSK	1	271	17.47			
100	QPSK	135	6	17.50			
100	QPSK	135	69	17.51			
100	QPSK	135	138	17.38			
100	QPSK	220	0	17.38			
100	16QAM	1	1	17.42			
100	16QAM	1	1	17.44			
100	16QAM	1	1	17.50			
Channel							
Frequency (MHz)				633000	633332	633666	Tune-up limit (dBm) MPR
Frequency (MHz)				3468	3469.98	3469.99	(dBm) (dB)
90	QPSK	1	1	17.50	17.41	17.44	19.0 0.0
Channel							
Frequency (MHz)				633668	633332	634000	Tune-up limit (dBm) MPR
Frequency (MHz)				3468102	3469.98	3470	(dBm) (dB)
80	QPSK	1	1	17.47	17.35	17.38	19.0 0.0
Channel							
Frequency (MHz)				632000	633332	634666	Tune-up limit (dBm) MPR
Frequency (MHz)				3460	3469.98	3470.99	(dBm) (dB)
60	QPSK	1	1	17.39	17.37	17.36	19.0 0.0
Channel							
Frequency (MHz)				631668	633332	635000	Tune-up limit (dBm) MPR
Frequency (MHz)				3470102	3469.98	3500	(dBm) (dB)
90	QPSK	1	1	17.45	17.36	17.40	19.0 0.0
Channel							
Frequency (MHz)				631334	633332	635332	Tune-up limit (dBm) MPR
Frequency (MHz)				3470101	3469.98	3529.99	(dBm) (dB)
40	QPSK	1	1	17.40	17.42	17.36	19.0 0.0
Channel							
Frequency (MHz)				631000	633332	635666	Tune-up limit (dBm) MPR
Frequency (MHz)				3465	3469.98	3534.99	(dBm) (dB)
30	QPSK	1	1	17.40	17.35	17.35	19.0 0.0
Channel							
Frequency (MHz)				630666	633332	636000	Tune-up limit (dBm) MPR
Frequency (MHz)				3460102	3469.98	3540	(dBm) (dB)
20	QPSK	1	1	17.39	17.39	17.38	19.0 0.0



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Par270 n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 660000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.91	14.09	13.79	15.5	0.0	
100	QPSK	1	137	14.00	14.04	13.92			
100	QPSK	1	271	13.85	13.98	13.91			
100	QPSK	135	0	13.76	13.95	13.77			
100	QPSK	135	69	13.90	14.02	13.81	15.5	0.0	
100	QPSK	135	138	13.84	14.01	13.70			
100	QPSK	270	0	13.78	13.95	13.73	15.5	0.0	
100	16QAM	1	1	13.88	13.85	13.73	15.5	0.0	
100	16QAM	1	1	13.88	13.85	13.89	15.5	0.0	
100	16QAM	1	1	13.82	13.85	13.80	15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.94	13.99	13.87	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.90	14.01	13.82	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.95	13.94	13.82	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.92	14.01	13.88	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.96	13.96	13.85	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.96	13.95	13.86	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.91	13.95	13.84	15.5	0.0	

Par270 n77_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 633332	Power Middle Ch. / Freq. 633332	Power High Ch. / Freq. 633332	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	12.80			14.5	0.0	
100	QPSK	1	137		13.07				
100	QPSK	1	271		12.85				
100	QPSK	135	0		12.83				
100	QPSK	135	69		12.87		14.5	0.0	
100	QPSK	135	138		12.71				
100	QPSK	270	0		12.78		14.5	0.0	
100	16QAM	1	1		12.86		14.5	0.0	
100	16QAM	1	1		12.86		14.5	0.0	
100	16QAM	1	1		12.81		14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.76	12.85	12.83	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.74	12.86	12.80	14.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.72	12.78	12.84	14.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.69	12.80	12.76	14.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.69	12.81	12.79	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.69	12.81	12.76	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.76	12.85	12.79	14.5	0.0	

Par270 n77_Ant 5									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq. 660000	Power Middle Ch. / Freq. 660000	Power High Ch. / Freq. 660000	Turn-up Int. (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.49	13.52	13.42			
100	QPSK	1	137	13.52	13.61	13.50	15.5	0.0	
100	QPSK	1	271	13.48	13.51	13.40			
100	QPSK	135	0	13.40	13.51	13.35			
100	QPSK	135	69	13.52	13.53	13.50	15.5	0.0	
100	QPSK	135	138	13.31	13.51	13.40			
100	QPSK	270	0	13.29	13.51	13.43	15.5	0.0	
100	16QAM	1	1	13.31	13.42	13.36	15.5	0.0	
100	16QAM	1	1	13.30	13.46	13.43	15.5	0.0	
100	16QAM	1	1	13.35	13.52	13.37	15.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.29	13.47	13.37	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.31	13.52	13.43	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.36	13.47	13.45	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.35	13.43	13.44	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.32	13.46	13.38	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.30	13.40	13.35	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.31	13.47	13.44	15.5	0.0	



Par27Q n77_Ant 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	14.00	3499.88			
100	QPSK	1	1	14.00			15.5	0.0
100	QPSK	1	271	14.03				
100	QPSK	135	0	14.05				
100	QPSK	135	69	14.08			15.5	0.0
100	QPSK	135	138	14.02			15.5	0.0
100	QPSK	270	0	14.01			15.5	0.0
100	16QAM	1	1	14.02			15.5	0.0
100	16QAM	1	1	13.98			15.5	0.0
100	256QAM	1	1	13.98			15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	13.94	14.05	13.79	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	6320.00	6333.32	6346.66	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	13.89	14.05	13.78	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	6310.00	6333.32	6356.66	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	13.93	13.99	13.81	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	6300.00	6333.32	6366.66	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	13.94	13.99	13.82	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	6290.00	6333.32	6376.66	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.95	14.00	13.75	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	6280.00	6333.32	6386.66	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	13.99	14.01	13.86	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	6270.00	6333.32	6396.66	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	13.88	13.98	13.76	15.5	0.0

Par270 n77_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	13.26	3750	3840		
100	QPSK	1	1	13.26			15.5	0.0
100	QPSK	1	271	13.40	13.49	13.39		
100	QPSK	135	0	13.28	13.39	13.23		
100	QPSK	135	69	13.52	13.53	13.51	15.5	0.0
100	QPSK	135	138	13.33	13.47	13.24		
100	QPSK	270	0	13.33	13.43	13.25	15.5	0.0
100	16QAM	1	1	13.33	13.48	13.21	15.5	0.0
100	16QAM	1	1	13.31	13.43	13.24	15.5	0.0
100	256QAM	1	1	13.32	13.40	13.27	15.5	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	6696.68	6690.00	6693.32	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	13.27	13.44	13.25	15.5	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	6686.68	6680.00	6683.32	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	13.31	13.38	13.30	15.5	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	6676.68	6670.00	6673.32	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	13.29	13.48	13.19	15.5	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	6666.68	6660.00	6663.32	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	13.37	13.49	13.29	15.5	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	6656.68	6650.00	6653.32	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.26	13.40	13.31	15.5	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	6646.68	6640.00	6643.32	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	13.30	13.38	13.22	15.5	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	6636.68	6630.00	6633.32	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	13.28	13.39	13.25	15.5	0.0

Par27Q n77_Ant 6								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
100	QPSK	1	1	13.28	3499.88			
100	QPSK	1	1	13.28			15.0	0.0
100	QPSK	1	271	13.46				
100	QPSK	135	0	13.27				
100	QPSK	135	69	13.41			15.0	0.0
100	QPSK	135	138	13.29			15.0	0.0
100	QPSK	270	0	13.30			15.0	0.0
100	16QAM	1	1	13.29			15.0	0.0
100	16QAM	1	1	13.30			15.0	0.0
100	256QAM	1	1	13.27			15.0	0.0
Channel								
Frequency (MHz)								
90	QPSK	1	1	6330.00	6333.32	6336.66	Tune-up limit (dBm)	MPR (dB)
90	QPSK	1	1	13.22	13.39	13.52	15.0	0.0
Channel								
Frequency (MHz)								
80	QPSK	1	1	6320.00	6333.32	6346.66	Tune-up limit (dBm)	MPR (dB)
80	QPSK	1	1	13.22	13.34	13.30	15.0	0.0
Channel								
Frequency (MHz)								
60	QPSK	1	1	6310.00	6333.32	6356.66	Tune-up limit (dBm)	MPR (dB)
60	QPSK	1	1	13.23	13.30	13.34	15.0	0.0
Channel								
Frequency (MHz)								
50	QPSK	1	1	6300.00	6333.32	6366.66	Tune-up limit (dBm)	MPR (dB)
50	QPSK	1	1	13.31	13.34	13.30	15.0	0.0
Channel								
Frequency (MHz)								
40	QPSK	1	1	6290.00	6333.32	6376.66	Tune-up limit (dBm)	MPR (dB)
40	QPSK	1	1	13.26	13.32	13.25	15.0	0.0
Channel								
Frequency (MHz)								
30	QPSK	1	1	6280.00	6333.32	6386.66	Tune-up limit (dBm)	MPR (dB)
30	QPSK	1	1	13.30	13.30	13.31	15.0	0.0
Channel								
Frequency (MHz)								
20	QPSK	1	1	6270.00	6333.32	6396.66	Tune-up limit (dBm)	MPR (dB)
20	QPSK	1	1	13.32	13.39	13.26	15.0	0.0



Par270 n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.52	13.52	13.54	15.5	0.0	
100	QPSK	1	137	13.64	13.59	13.61	15.5	0.0	
100	QPSK	1	271	13.82	13.68	13.83	15.5	0.0	
100	QPSK	135	6	13.53	13.56	13.42	15.5	0.0	
100	QPSK	135	69	13.61	13.46	13.54	15.5	0.0	
100	QPSK	135	138	13.59	13.55	13.42	15.5	0.0	
100	QPSK	210	9	13.51	13.54	13.51	15.5	0.0	
100	16QAM	1	1	13.53	13.55	13.47	15.5	0.0	
100	16QAM	1	1	13.54	13.53	13.42	15.5	0.0	
100	16QAM	1	1	13.52	13.54	13.45	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.88	13.51	13.43	15.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.60	13.57	13.50	15.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.52	13.48	13.46	15.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.48	13.51	13.41	15.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.59	13.57	13.49	15.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.54	13.56	13.50	15.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.56	13.56	13.48	15.5	0.0	

Par270 n77_Ant 7									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	12.95	12.98	12.95	14.5	0.0	
100	QPSK	1	137	12.88	12.98	12.88	14.5	0.0	
100	QPSK	1	271	12.88	12.88	12.88	14.5	0.0	
100	QPSK	135	9	12.88	12.88	12.88	14.5	0.0	
100	QPSK	135	69	12.81	12.81	12.81	14.5	0.0	
100	QPSK	135	138	12.88	12.88	12.88	14.5	0.0	
100	QPSK	210	9	12.84	12.84	12.84	14.5	0.0	
100	16QAM	1	1	12.85	12.85	12.85	14.5	0.0	
100	16QAM	1	1	12.79	12.79	12.79	14.5	0.0	
100	16QAM	1	1	12.85	12.85	12.85	14.5	0.0	
100	16QAM	1	1	12.79	12.79	12.79	14.5	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	12.82	12.89	12.68	14.5	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	12.82	12.79	12.77	14.5	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	12.81	12.80	12.75	14.5	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	12.82	12.78	12.72	14.5	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	12.81	12.80	12.75	14.5	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	12.84	12.80	12.71	14.5	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	12.80	12.88	12.80	14.5	0.0	

Part270 n78_Ant 1									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./ Freq.	Power Middle Ch./ Freq.	Power High Ch./ Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel									
Frequency (MHz)									
100	QPSK	1	1	13.48	13.57	13.48	15.0	0.0	
100	QPSK	1	137	13.57	13.57	13.57	15.0	0.0	
100	QPSK	1	271	13.54	13.54	13.54	15.0	0.0	
100	QPSK	135	9	13.47	13.47	13.47	15.0	0.0	
100	QPSK	135	69	13.56	13.56	13.56	15.0	0.0	
100	QPSK	135	138	13.55	13.55	13.55	15.0	0.0	
100	QPSK	210	9	13.46	13.46	13.46	15.0	0.0	
100	16QAM	1	1	13.50	13.50	13.50	15.0	0.0	
100	16QAM	1	1	13.52	13.52	13.52	15.0	0.0	
100	16QAM	1	1	13.44	13.44	13.44	15.0	0.0	
Channel									
Frequency (MHz)									
90	QPSK	1	1	13.54	13.52	13.50	15.0	0.0	
Channel									
Frequency (MHz)									
80	QPSK	1	1	13.53	13.48	13.54	15.0	0.0	
Channel									
Frequency (MHz)									
60	QPSK	1	1	13.50	13.49	13.45	15.0	0.0	
Channel									
Frequency (MHz)									
50	QPSK	1	1	13.45	13.50	13.54	15.0	0.0	
Channel									
Frequency (MHz)									
40	QPSK	1	1	13.48	13.48	13.47	15.0	0.0	
Channel									
Frequency (MHz)									
30	QPSK	1	1	13.53	13.54	13.49	15.0	0.0	
Channel									
Frequency (MHz)									
20	QPSK	1	1	13.54	13.54	13.52	15.0	0.0	



Par27Q n78_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)							
100	QPSK	1	1	12.93	3499.98	limit	
100	QPSK	1	137	12.95	limit	14.5	0.0
100	QPSK	1	271	12.84	limit	14.5	0.0
100	QPSK	135	6	12.92	limit	14.5	0.0
100	QPSK	135	69	12.93	limit	14.5	0.0
100	QPSK	135	138	12.77	limit	14.5	0.0
100	QPSK	270	0	12.75	limit	14.5	0.0
100	16QAM	1	1	12.78	limit	14.5	0.0
100	16QAM	1	1	12.81	limit	14.5	0.0
100	256QAM	1	1	12.75	limit	14.5	0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	12.87	12.84	12.76	14.5 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	12.83	12.84	12.76	14.5 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	12.88	12.89	12.76	14.5 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	12.86	12.90	12.83	14.5 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	12.82	12.88	12.82	14.5 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	12.85	12.84	12.77	14.5 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	12.80	12.90	12.75	14.5 0.0

Par270 n78_Ant 5							
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	QPSK	1	1	13.00	3750	limit	
100	QPSK	1	137	13.12	limit	15.0	0.0
100	QPSK	1	271	13.08	limit	15.0	0.0
100	QPSK	135	6	13.01	limit	15.0	0.0
100	QPSK	135	69	13.10	limit	15.0	0.0
100	QPSK	135	138	12.98	limit	15.0	0.0
100	QPSK	270	0	13.05	limit	15.0	0.0
100	16QAM	1	1	13.00	limit	15.0	0.0
100	16QAM	1	1	12.96	limit	15.0	0.0
100	256QAM	1	1	12.96	limit	15.0	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	12.79	12.81	12.77	15.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	12.91	12.80	12.88	15.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	12.82	12.82	12.79	15.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	12.90	12.74	12.78	15.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	12.80	12.79	12.85	15.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	12.87	12.74	12.76	15.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	12.84	12.72	12.80	15.0 0.0

Par27Q n78_Ant 5							
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	QPSK	1	1	13.22	3499.98	limit	
100	QPSK	1	137	13.40	limit	15.0	0.0
100	QPSK	1	271	13.37	limit	15.0	0.0
100	QPSK	135	6	13.16	limit	15.0	0.0
100	QPSK	135	69	13.29	limit	15.0	0.0
100	QPSK	135	138	13.26	limit	15.0	0.0
100	QPSK	270	0	13.21	limit	15.0	0.0
100	16QAM	1	1	13.23	limit	15.0	0.0
100	16QAM	1	1	13.26	limit	15.0	0.0
100	256QAM	1	1	13.22	limit	15.0	0.0
Channel							
Frequency (MHz)							
90	QPSK	1	1	13.12	13.08	12.99	15.0 0.0
Channel							
Frequency (MHz)							
80	QPSK	1	1	13.09	13.06	13.04	15.0 0.0
Channel							
Frequency (MHz)							
60	QPSK	1	1	13.09	13.04	13.01	15.0 0.0
Channel							
Frequency (MHz)							
50	QPSK	1	1	13.14	13.10	13.03	15.0 0.0
Channel							
Frequency (MHz)							
40	QPSK	1	1	13.15	13.09	12.88	15.0 0.0
Channel							
Frequency (MHz)							
30	QPSK	1	1	13.13	13.02	13.04	15.0 0.0
Channel							
Frequency (MHz)							
20	QPSK	1	1	13.18	13.07	12.95	15.0 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	MPR (dB)
Channel							
Frequency (MHz)				650000			
100	QPSK	1	1	13.90	13.90	13.90	
100	QPSK	1	137	13.90	13.90	13.90	
100	QPSK	1	271	13.90	13.90	13.90	
100	QPSK	135	69	13.90	13.90	13.90	
100	QPSK	135	138	13.90	13.90	13.90	
100	QPSK	270	0	13.90	13.90	13.90	
100	16QAM	1	1	13.97	13.97	13.97	0.0
100	16QAM	1	1	13.96	13.96	13.96	0.0
100	16QAM	1	1	13.97	13.97	13.97	0.0
Channel							
Frequency (MHz)				650000		650332	
90	QPSK	1	1	13.84	13.87	13.75	0.0
Channel							
Frequency (MHz)				650000		650666	
80	QPSK	1	1	13.91	13.91	13.76	0.0
Channel							
Frequency (MHz)				650000		651332	
60	QPSK	1	1	13.86	13.84	13.78	0.0
Channel							
Frequency (MHz)				650000		651666	
90	QPSK	1	1	13.93	13.92	13.73	0.0
Channel							
Frequency (MHz)				650000		652000	
40	QPSK	1	1	13.90	13.87	13.73	0.0
Channel							
Frequency (MHz)				3750.00		3764.98	
30	QPSK	1	1	13.93	13.92	13.75	0.0
Channel							
Frequency (MHz)				3750.00		3769.99	
20	QPSK	1	1	13.94	13.85	13.83	0.0

Par27Q 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							
Frequency (MHz)				633332			
100	QPSK	1	1	13.83	13.83	13.83	
100	QPSK	1	137	13.83	13.81	13.83	
100	QPSK	1	271	13.86	13.86	13.86	
100	QPSK	135	69	13.85	13.85	13.85	
100	QPSK	135	138	13.77	13.77	13.77	
100	QPSK	270	0	13.72	13.72	13.72	
100	16QAM	1	1	13.76	13.76	13.76	0.0
100	16QAM	1	1	13.80	13.80	13.80	0.0
100	16QAM	1	1	13.79	13.79	13.79	0.0
Channel							
Frequency (MHz)				633000		633332	
90	QPSK	1	1	13.83	13.73	13.73	0.0
Channel							
Frequency (MHz)				633666		634000	
80	QPSK	1	1	13.76	13.63	13.73	0.0
Channel							
Frequency (MHz)				632000		633332	
60	QPSK	1	1	13.83	13.70	13.75	0.0
Channel							
Frequency (MHz)				631666		633000	
90	QPSK	1	1	13.79	13.64	13.80	0.0
Channel							
Frequency (MHz)				631332		632666	
40	QPSK	1	1	13.80	13.64	13.79	0.0
Channel							
Frequency (MHz)				3485		3499.98	
30	QPSK	1	1	13.84	13.71	13.77	0.0
Channel							
Frequency (MHz)				3480.02		3499.98	
20	QPSK	1	1	13.80	13.72	13.81	0.0



Part27O n78_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				650000				
Frequency (MHz)				3750				
100	QPSK	1	1	13.92				
100	QPSK	1	137	14.10			16.0	0.0
100	QPSK	1	271	14.00				
100	QPSK	135	6	13.93				
100	QPSK	135	69	14.04			16.0	0.0
100	QPSK	135	138	14.00				
100	QPSK	220	0	14.03			16.0	0.0
100	16QAM	1	1	13.92			16.0	0.0
100	16QAM	1	1	13.94			16.0	0.0
100	16QAM	1	1	13.92			16.0	0.0
Channel				649668	650000	650332	Tune-up limit	MPR
Frequency (MHz)				649332	650000	650332	(dBm)	(dB)
90	QPSK	1	1	13.92	13.81	13.90	16.0	0.0
Channel				649334	650000	650666	Tune-up limit	MPR
Frequency (MHz)				649000	650000	650666	(dBm)	(dB)
80	QPSK	1	1	14.03	13.80	13.90	16.0	0.0
Channel				649668	650000	651332	Tune-up limit	MPR
Frequency (MHz)				649332	650000	651332	(dBm)	(dB)
60	QPSK	1	1	14.01	13.81	13.96	16.0	0.0
Channel				649334	650000	651666	Tune-up limit	MPR
Frequency (MHz)				649000	650000	651666	(dBm)	(dB)
90	QPSK	1	1	14.02	13.82	13.99	16.0	0.0
Channel				649000	650000	652000	Tune-up limit	MPR
Frequency (MHz)				648666	650000	652000	(dBm)	(dB)
40	QPSK	1	1	13.94	13.85	13.91	16.0	0.0
Channel				649000	650000	652332	Tune-up limit	MPR
Frequency (MHz)				648666	650000	652332	(dBm)	(dB)
30	QPSK	1	1	14.02	13.87	13.96	16.0	0.0
Channel				649334	650000	652666	Tune-up limit	MPR
Frequency (MHz)				649000	650000	652666	(dBm)	(dB)
20	QPSK	1	1	13.98	13.78	13.92	16.0	0.0

Par27Q n78_Ant 7								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				633332				
Frequency (MHz)				3469.98				
100	QPSK	1	1	13.50				
100	QPSK	1	137	13.51			15.0	0.0
100	QPSK	1	271	13.46				
100	QPSK	135	6	13.45				
100	QPSK	135	69	13.47			15.0	0.0
100	QPSK	135	138	13.36				
100	QPSK	220	0	13.41			15.0	0.0
100	16QAM	1	1	13.40			15.0	0.0
100	16QAM	1	1	13.37			15.0	0.0
100	16QAM	1	1	13.44			15.0	0.0
Channel				633000	633332	633666	Tune-up limit	MPR
Frequency (MHz)				632666	633332	633666	(dBm)	(dB)
90	QPSK	1	1	13.45	13.38	13.31	15.0	0.0
Channel				632668	633332	634000	Tune-up limit	MPR
Frequency (MHz)				632332	633332	634000	(dBm)	(dB)
80	QPSK	1	1	13.36	13.31	13.36	15.0	0.0
Channel				632000	633332	634666	Tune-up limit	MPR
Frequency (MHz)				631666	633332	634666	(dBm)	(dB)
60	QPSK	1	1	13.38	13.29	13.34	15.0	0.0
Channel				631668	633332	635000	Tune-up limit	MPR
Frequency (MHz)				631332	633332	635000	(dBm)	(dB)
90	QPSK	1	1	13.36	13.27	13.30	15.0	0.0
Channel				631334	633332	635332	Tune-up limit	MPR
Frequency (MHz)				631000	633332	635332	(dBm)	(dB)
40	QPSK	1	1	13.40	13.36	13.28	15.0	0.0
Channel				631000	633332	635666	Tune-up limit	MPR
Frequency (MHz)				630666	633332	635666	(dBm)	(dB)
30	QPSK	1	1	13.46	13.34	13.26	15.0	0.0
Channel				630666	633332	636000	Tune-up limit	MPR
Frequency (MHz)				630332	633332	636000	(dBm)	(dB)
20	QPSK	1	1	13.38	13.36	13.27	15.0	0.0



NON DBS Power for WLAN

WLAN 2.4GHz FCC

2.4GHz WLAN			FILL Power								Heat Standalone								Heat Simultaneous								Hotspot							
Mode	Channel	Frequency (MHz)	Art 6		Art 17		Art 6+17		Art 6		Art 17		Art 6+17		Art 6		Art 17		Art 6+17		Art 6		Art 17		Art 6+17									
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit						
2.4GHz WLAN	802.11b-1Mbps	1	2412	16.81	18.00	17.12	18.00	15.98	21.00	16.12	16.50	14.88	16.00	16.47	19.50	13.31	14.50	14.50	14.50	16.87	17.50	16.61	18.00	17.12	18.00	15.98	21.00							
		6	2437	17.09	18.00	17.61	18.00	20.37	21.00	15.73	16.50	15.32	16.00	18.54	19.50	13.33	14.50	14.50	14.50	16.90	17.50	17.09	18.00	17.61	18.00	20.37	21.00							
		11	2462	16.36	18.00	16.52	18.00	19.67	21.00	15.77	16.50	15.16	16.00	16.46	19.50	13.23	14.50	14.50	14.50	16.50	17.50	16.50	18.00	16.52	18.00	19.67	21.00							
	802.11g-6Mbps	1	2412	15.26	17.00	15.26	17.00	19.29	20.00		16.50		16.50		19.50		14.50		14.50		17.50	15.26	17.00	15.26	17.00	19.29	20.00							
		6	2437	16.48	18.00	16.75	18.00	19.63	21.00		16.50		16.50		19.50		14.50		14.50		17.50	16.48	18.00	16.75	18.00	19.63	21.00							
		11	2462	15.94	17.50	16.08	17.50	19.02	20.50		16.50		16.50		19.50		14.50		14.50		17.50	15.94	17.50	16.08	17.50	19.02	20.50							
	802.11n-HT20 MCS0	1	2412	12.76	14.50	12.87	14.50	15.73	17.50	Not Required	14.50	Not Required	14.50	Not Required	17.50	Not Required	14.50	Not Required	14.50	Not Required	17.50	12.76	14.50	12.87	14.50	15.73	17.50							
		6	2437	16.40	18.00	16.54	18.00	19.25	21.00		16.50		16.50		19.50		14.50		14.50		17.50	16.40	18.00	16.54	18.00	19.25	21.00							
		11	2462	15.42	17.00	15.48	17.00	18.46	20.00		16.50		16.50		19.50		14.50		14.50		17.50	15.42	17.00	15.48	17.00	18.46	20.00							
	802.11ax-HE20 MCS0	1	2412	12.88	14.50	12.76	14.50	15.84	17.50		14.50		14.50		17.50		14.50		14.50		17.50	12.88	14.50	12.76	14.50	15.84	17.50							
		6	2437	16.69	18.00	16.94	18.00	19.63	21.00		16.50		16.50		19.50		14.50		14.50		17.50	16.69	18.00	16.94	18.00	19.63	21.00							
		11	2462	15.20	17.00	15.62	17.00	18.59	20.00		16.50		16.50		19.50		14.50		14.50		17.50	15.20	17.00	15.62	17.00	18.59	20.00							



5G-LAN 2.4GHz FCC

2.4GHz WLAN			Exclusively Sequential						Exclusively Simultaneous						Body Sequential						Body Simultaneous						Day Cycle %							
Mode	Channel	Frequency (MHz)	Ave 6		Ave 17		Ave 6+17		Ave 6		Ave 17		Ave 6+17		Ave 6		Ave 17		Ave 6+17		Ave 6		Ave 17		Ave 6+17									
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit						
2.4GHz WLAN	802.11b 1Mbps	1	2412	18.00	17.12	18.00	19.98	21.00	18.00	18.00	17.12	18.00	19.98	21.00	18.00	18.00	17.12	18.00	19.98	21.00	18.00	18.00	17.12	18.00	19.98	21.00	18.00	18.00	17.12	18.00	19.98	21.00	100.00	
		6	2437	18.00	17.61	18.00	20.37	21.00	17.69	18.00	17.61	18.00	20.37	21.00	17.69	18.00	17.61	18.00	20.37	21.00	17.69	18.00	17.61	18.00	20.37	21.00	17.69	18.00	17.61	18.00	20.37	21.00		
		11	2462	18.00	18.00	18.00	19.87	21.00	18.39	18.00	18.00	18.00	19.87	21.00	18.39	18.00	18.00	18.00	19.87	21.00	18.39	18.00	18.00	18.00	19.87	21.00	18.39	18.00	18.00	18.00	19.87	21.00		
	802.11g 6Mbps	1	2412	18.00	18.00	17.00	18.28	20.00	15.25	17.00	15.28	17.00	19.00	18.39	20.00	15.25	17.00	15.28	17.00	19.00	18.39	20.00	15.25	17.00	15.28	17.00	19.00	18.39	20.00	15.25	17.00	15.28	17.00	96.97
		6	2437	18.00	18.00	18.00	19.63	21.00	16.48	18.00	16.75	18.00	19.63	21.00	16.48	18.00	16.75	18.00	19.63	21.00	16.48	18.00	16.75	18.00	19.63	21.00	16.48	18.00	16.75	18.00	19.63	21.00		
		11	2462	18.00	17.50	18.00	19.02	20.50	15.94	17.50	18.00	19.02	20.50	15.94	17.50	18.00	19.02	20.50	15.94	17.50	18.00	19.02	20.50	15.94	17.50	18.00	19.02	20.50	15.94	17.50	18.00	19.02	20.50	
	802.11a+HT20 MCS0	1	2412	14.50	14.50	12.67	14.50	15.73	17.50	12.67	14.50	15.73	17.50	12.67	14.50	15.73	17.50	12.67	14.50	15.73	17.50	12.67	14.50	15.73	17.50	12.67	14.50	15.73	17.50	12.67	14.50	15.73	17.50	96.76
		6	2437	18.00	18.00	18.00	19.56	21.00	16.43	18.00	16.43	18.00	19.56	21.00	16.43	18.00	16.43	18.00	19.56	21.00	16.43	18.00	16.43	18.00	19.56	21.00	16.43	18.00	16.43	18.00	19.56	21.00		
		11	2462	17.00	17.00	15.48	17.00	18.46	20.00	15.42	17.00	15.48	17.00	18.46	20.00	15.42	17.00	15.48	17.00	18.46	20.00	15.42	17.00	15.48	17.00	18.46	20.00	15.42	17.00	15.48	17.00	18.46	20.00	
	802.11ax+HE20 MCS0	1	2412	14.50	14.50	12.76	14.50	15.94	17.50	12.88	14.50	15.94	17.50	12.88	14.50	15.94	17.50	12.76	14.50	15.94	17.50	12.88	14.50	15.94	17.50	12.88	14.50	15.94	17.50	12.76	14.50	15.94	17.50	95.21
		6	2437	18.00	18.00	18.00	19.83	21.00	16.69	18.00	16.84	18.00	19.83	21.00	16.69	18.00	16.84	18.00	19.83	21.00	16.69	18.00	16.84	18.00	19.83	21.00	16.69	18.00	16.84	18.00	19.83	21.00		
		11	2462	17.00	17.00	15.62	17.00	18.59	20.00	15.53	17.00	15.62	17.00	18.59	20.00	15.53	17.00	15.62	17.00	18.59	20.00	15.53	17.00	15.62	17.00	18.59	20.00	15.53	17.00	15.62	17.00	18.59	20.00	



WLAN 5GHz FCC

5.2GHz WLAN			FULL Power						Head Simulation						Head Simultaneous						Hotspot								
Mode	Channel	Frequency (MHz)	Ant 5		Ant 18		Ant 5/18		Ant 5		Ant 18		Ant 5/18		Ant 5		Ant 18		Ant 5/18		Ant 5		Ant 18		Ant 5/18				
			Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	Average power (dBm)	Time-Up Link	
802.11a 9Mbps	36	5180	14.37	15.00	13.94	15.00	17.17	18.00	14.37	15.00	13.94	15.00	17.17	18.00	11.00	11.00	11.00	11.00	14.00	14.37	15.00	13.94	15.00	17.17	18.00	11.00	11.00	11.00	11.00
	40	5200	14.11	15.00	13.79	15.00	16.97	18.00	14.11	15.00	13.79	15.00	16.97	18.00	11.00	11.00	11.00	11.00	14.00	14.11	15.00	13.79	15.00	16.97	18.00	11.00	11.00	11.00	11.00
	44	5220	14.23	15.00	13.79	15.00	17.02	18.00	14.23	15.00	13.79	15.00	17.02	18.00	11.00	11.00	11.00	11.00	14.00	14.23	15.00	13.79	15.00	17.02	18.00	11.00	11.00	11.00	11.00
	48	5240	14.20	15.00	13.80	15.00	17.05	18.00	14.20	15.00	13.80	15.00	17.05	18.00	11.00	11.00	11.00	11.00	14.00	14.20	15.00	13.80	15.00	17.05	18.00	11.00	11.00	11.00	11.00
	36	5180	14.20	15.00	13.74	15.00	16.99	18.00	14.20	15.00	13.74	15.00	16.99	18.00	11.00	11.00	11.00	11.00	14.00	14.20	15.00	13.74	15.00	16.99	18.00	11.00	11.00	11.00	11.00
	40	5200	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	11.00	11.00	11.00	11.00	14.00	14.24	15.00	13.79	15.00	17.03	18.00	11.00	11.00	11.00	11.00
	44	5220	14.16	15.00	13.81	15.00	17.02	18.00	14.16	15.00	13.81	15.00	17.02	18.00	11.00	11.00	11.00	11.00	14.00	14.16	15.00	13.81	15.00	17.02	18.00	11.00	11.00	11.00	11.00
	48	5240	14.05	15.00	13.99	15.00	17.14	18.00	14.05	15.00	13.99	15.00	17.14	18.00	11.00	11.00	11.00	11.00	14.00	14.05	15.00	13.99	15.00	17.14	18.00	11.00	11.00	11.00	11.00
	36	5180	13.95	15.00	13.26	15.00	16.83	18.00	13.95	15.00	13.26	15.00	16.83	18.00	Not Required	Not Required	Not Required	Not Required	14.00	13.95	15.00	13.26	15.00	16.83	18.00	11.00	11.00	11.00	11.00
46	5230	14.10	15.00	13.52	15.00	16.83	18.00	14.10	15.00	13.52	15.00	16.83	18.00	11.00	11.00	11.00	11.00	14.00	14.10	15.00	13.52	15.00	16.83	18.00	11.00	11.00	11.00	11.00	
36	5180	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	11.00	11.00	11.00	11.00	14.00	14.24	15.00	13.79	15.00	17.03	18.00	11.00	11.00	11.00	11.00	
40	5200	14.20	15.00	13.82	15.00	17.08	18.00	14.20	15.00	13.82	15.00	17.08	18.00	11.00	11.00	11.00	11.00	14.00	14.20	15.00	13.82	15.00	17.08	18.00	11.00	11.00	11.00	11.00	
44	5220	14.27	15.00	13.88	15.00	17.09	18.00	14.27	15.00	13.88	15.00	17.09	18.00	11.00	11.00	11.00	11.00	14.00	14.27	15.00	13.88	15.00	17.09	18.00	11.00	11.00	11.00	11.00	
48	5240	14.39	15.00	13.95	15.00	17.19	18.00	14.39	15.00	13.95	15.00	17.19	18.00	11.00	11.00	11.00	11.00	14.00	14.39	15.00	13.95	15.00	17.19	18.00	11.00	11.00	11.00	11.00	
36	5180	13.98	15.00	13.30	15.00	16.99	18.00	13.98	15.00	13.30	15.00	16.99	18.00	11.00	11.00	11.00	11.00	14.00	13.98	15.00	13.30	15.00	16.99	18.00	11.00	11.00	11.00	11.00	
46	5230	14.14	15.00	13.55	15.00	16.87	18.00	14.14	15.00	13.55	15.00	16.87	18.00	11.00	11.00	11.00	11.00	14.00	14.14	15.00	13.55	15.00	16.87	18.00	11.00	11.00	11.00	11.00	
42	5270	13.82	15.00	13.27	15.00	16.98	18.00	13.82	15.00	13.27	15.00	16.98	18.00	9.82	11.00	9.82	11.00	12.72	14.00	13.82	15.00	13.27	15.00	16.98	18.00	11.00	11.00	11.00	11.00
36	5180	14.32	15.00	13.86	15.00	17.11	18.00	14.32	15.00	13.86	15.00	17.11	18.00	11.00	11.00	11.00	11.00	14.00	14.32	15.00	13.86	15.00	17.11	18.00	11.00	11.00	11.00	11.00	
44	5220	14.38	15.00	13.89	15.00	17.16	18.00	14.38	15.00	13.89	15.00	17.16	18.00	11.00	11.00	11.00	11.00	14.00	14.38	15.00	13.89	15.00	17.16	18.00	11.00	11.00	11.00	11.00	
48	5240	14.47	15.00	14.05	15.00	17.28	18.00	14.47	15.00	14.05	15.00	17.28	18.00	Not Required	11.00	Not Required	11.00	11.00	14.00	14.47	15.00	14.05	15.00	17.28	18.00	11.00	11.00	11.00	11.00
36	5180	14.08	15.00	13.41	15.00	16.77	18.00	14.08	15.00	13.41	15.00	16.77	18.00	11.00	11.00	11.00	11.00	14.00	14.08	15.00	13.41	15.00	16.77	18.00	11.00	11.00	11.00	11.00	
46	5230	14.26	15.00	13.65	15.00	16.98	18.00	14.26	15.00	13.65	15.00	16.98	18.00	11.00	11.00	11.00	11.00	14.00	14.26	15.00	13.65	15.00	16.98	18.00	11.00	11.00	11.00	11.00	
42	5210	13.93	15.00	13.37	15.00	16.87	18.00	13.93	15.00	13.37	15.00	16.87	18.00	11.00	11.00	11.00	11.00	14.00	13.93	15.00	13.37	15.00	16.87	18.00	11.00	11.00	11.00	11.00	



5G/4G WLAN_FDD

Mode	Channel	Frequency (MHz)	Extremity Simultaneous						Extremity Simultaneous						Body Simultaneous						Duty Cycle %							
			Ave 5		Ave 18		Ave 6+18		Ave 5		Ave 18		Ave 6+18		Ave 5		Ave 18		Ave 6+18									
			Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss	Average power (dBm)	Turn-Up Loss				
5G/4G WLAN	802.11a 8Mbps	36	5180	14.37	15.00	13.94	15.00	17.17	18.00	14.37	15.00	13.94	15.00	17.17	18.00	14.37	15.00	13.94	15.00	17.17	18.00	14.37	15.00	13.94	15.00	17.17	18.00	95.87
		48	5200	14.11	15.00	13.79	15.00	16.97	18.00	14.11	15.00	13.79	15.00	16.97	18.00	14.11	15.00	13.79	15.00	16.97	18.00	14.11	15.00	13.79	15.00	16.97	18.00	
		44	5220	14.22	15.00	13.79	15.00	17.02	18.00	14.22	15.00	13.79	15.00	17.02	18.00	14.22	15.00	13.79	15.00	17.02	18.00	14.22	15.00	13.79	15.00	17.02	18.00	
	802.11a HT20 MCS0	36	5180	14.26	15.00	13.80	15.00	17.05	18.00	14.26	15.00	13.80	15.00	17.05	18.00	14.26	15.00	13.80	15.00	17.05	18.00	14.26	15.00	13.80	15.00	17.05	18.00	95.80
		48	5240	14.26	15.00	13.74	15.00	16.99	18.00	14.26	15.00	13.74	15.00	16.99	18.00	14.26	15.00	13.74	15.00	16.99	18.00	14.26	15.00	13.74	15.00	16.99	18.00	
		40	5200	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	
	802.11a HT20 MCS0	40	5200	14.19	15.00	13.81	15.00	17.02	18.00	14.19	15.00	13.81	15.00	17.02	18.00	14.19	15.00	13.81	15.00	17.02	18.00	14.19	15.00	13.81	15.00	17.02	18.00	95.76
		44	5220	14.25	15.00	13.85	15.00	17.14	18.00	14.25	15.00	13.85	15.00	17.14	18.00	14.25	15.00	13.85	15.00	17.14	18.00	14.25	15.00	13.85	15.00	17.14	18.00	
		48	5240	14.26	15.00	13.95	15.00	17.05	18.00	14.26	15.00	13.95	15.00	17.05	18.00	14.26	15.00	13.95	15.00	17.05	18.00	14.26	15.00	13.95	15.00	17.05	18.00	
	802.11a HT40 MCS0	36	5160	13.95	15.00	13.26	15.00	16.63	18.00	13.95	15.00	13.26	15.00	16.63	18.00	13.95	15.00	13.26	15.00	16.63	18.00	13.95	15.00	13.26	15.00	16.63	18.00	93.68
		48	5200	14.10	15.00	13.52	15.00	16.83	18.00	14.10	15.00	13.52	15.00	16.83	18.00	14.10	15.00	13.52	15.00	16.83	18.00	14.10	15.00	13.52	15.00	16.83	18.00	
		36	5180	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	14.24	15.00	13.79	15.00	17.03	18.00	
	802.11a VHT20 MCS0	40	5200	14.29	15.00	13.83	15.00	17.08	18.00	14.29	15.00	13.83	15.00	17.08	18.00	14.29	15.00	13.83	15.00	17.08	18.00	14.29	15.00	13.83	15.00	17.08	18.00	96.79
		44	5220	14.27	15.00	13.85	15.00	17.09	18.00	14.27	15.00	13.85	15.00	17.09	18.00	14.27	15.00	13.85	15.00	17.09	18.00	14.27	15.00	13.85	15.00	17.09	18.00	
		48	5240	14.30	15.00	13.95	15.00	17.19	18.00	14.30	15.00	13.95	15.00	17.19	18.00	14.30	15.00	13.95	15.00	17.19	18.00	14.30	15.00	13.95	15.00	17.19	18.00	
	802.11a VHT40 MCS0	36	5160	13.98	15.00	13.30	15.00	16.66	18.00	13.98	15.00	13.30	15.00	16.66	18.00	13.98	15.00	13.30	15.00	16.66	18.00	13.98	15.00	13.30	15.00	16.66	18.00	93.74
		48	5200	14.14	15.00	13.55	15.00	16.87	18.00	14.14	15.00	13.55	15.00	16.87	18.00	14.14	15.00	13.55	15.00	16.87	18.00	14.14	15.00	13.55	15.00	16.87	18.00	
		40	5200	13.95	15.00	13.27	15.00	16.58	18.00	13.95	15.00	13.27	15.00	16.58	18.00	13.95	15.00	13.27	15.00	16.58	18.00	13.95	15.00	13.27	15.00	16.58	18.00	
	802.11a VHT80 MCS0	36	5160	14.52	15.00	13.96	15.00	17.11	18.00	14.52	15.00	13.96	15.00	17.11	18.00	14.52	15.00	13.96	15.00	17.11	18.00	14.52	15.00	13.96	15.00	17.11	18.00	88.14
		40	5200	14.36	15.00	13.89	15.00	17.16	18.00	14.36	15.00	13.89	15.00	17.16	18.00	14.36	15.00	13.89	15.00	17.16	18.00	14.36	15.00	13.89	15.00	17.16	18.00	
		44	5220	14.36	15.00	13.97	15.00	17.18	18.00	14.36	15.00	13.97	15.00	17.18	18.00	14.36	15.00	13.97	15.00	17.18	18.00	14.36	15.00	13.97	15.00	17.18	18.00	
	802.11a HE20 MCS0	40	5200	14.36	15.00	13.89	15.00	17.16	18.00	14.36	15.00	13.89	15.00	17.16	18.00	14.36	15.00	13.89	15.00	17.16	18.00	14.36	15.00	13.89	15.00	17.16	18.00	95.88
		44	5220	14.36	15.00	13.97	15.00	17.18	18.00	14.36	15.00	13.97	15.00	17.18	18.00	14.36	15.00	13.97	15.00	17.18	18.00	14.36	15.00	13.97	15.00	17.18	18.00	
		48	5240	14.47	15.00	14.05	15.00	17.28	18.00	14.47	15.00	14.05	15.00	17.28	18.00	14.47	15.00	14.05	15.00	17.28	18.00	14.47	15.00	14.05	15.00	17.28	18.00	
802.11a HE40 MCS0	36	5160	14.08	15.00	13.41	15.00	16.77	18.00	14.08	15.00	13.41	15.00	16.77	18.00	14.08	15.00	13.41	15.00	16.77	18.00	14.08	15.00	13.41	15.00	16.77	18.00	92.46	
	40	5200	14.26	15.00	13.65	15.00	16.98	18.00	14.26	15.00	13.65	15.00	16.98	18.00	14.26	15.00	13.65	15.00	16.98	18.00	14.26	15.00	13.65	15.00	16.98	18.00		
	42	5210	13.93	15.00	13.37	15.00	16.67	18.00	13.93	15.00	13.37	15.00	16.67	18.00	13.93	15.00	13.37	15.00	16.67	18.00	13.93	15.00	13.37	15.00	16.67	18.00		



Mode	Channel	Frequency (MHz)	Full Power						Near Simulation						Extreme Simulation																									
			Act 5		Act 18		Act 6+18		Act 5		Act 18		Act 6+18		Act 5		Act 18		Act 6+18																					
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit																				
802.11a 8Mbps	52	5260	17.80	19.00	17.50	19.00	20.72	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.60	19.00	17.50	19.00	20.72	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.60	19.00	17.50	19.00	20.72	22.00		
	56	5280	17.87	19.00	17.56	19.00	20.77	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.67	19.00	17.56	19.00	20.77	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.67	19.00	17.56	19.00	20.77	22.00		
	60	5300	17.89	19.00	17.54	19.00	20.73	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.69	19.00	17.54	19.00	20.73	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.69	19.00	17.54	19.00	20.73	22.00		
	64	5320	17.95	19.00	17.72	19.00	20.86	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.81	19.00	17.72	19.00	20.86	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.81	19.00	17.72	19.00	20.86	22.00		
	52	5260	17.76	19.00	17.38	19.00	20.59	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.76	19.00	17.38	19.00	20.59	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.76	19.00	17.38	19.00	20.59	22.00		
	56	5280	17.79	19.00	17.46	19.00	20.64	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.79	19.00	17.46	19.00	20.64	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.79	19.00	17.46	19.00	20.64	22.00		
	60	5300	17.88	19.00	17.56	19.00	20.73	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.88	19.00	17.56	19.00	20.73	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.88	19.00	17.56	19.00	20.73	22.00		
	64	5320	17.94	19.00	17.58	19.00	20.78	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.94	19.00	17.58	19.00	20.78	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.94	19.00	17.58	19.00	20.78	22.00		
802.11a-HT40 MCS0	52	5270	17.62	18.50	17.09	18.50	20.38	21.50	15.50	15.50	15.50	15.50	Not Required	11.00	11.00	11.00	11.00	14.00	17.62	18.50	17.09	18.50	20.38	21.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.62	18.50	17.09	18.50	20.38	21.50	
	56	5280	17.61	18.50	17.43	18.50	20.54	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.61	18.50	17.43	18.50	20.54	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.61	18.50	17.43	18.50	20.54	22.00		
	60	5300	17.87	19.00	17.56	19.00	20.73	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.87	19.00	17.56	19.00	20.73	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.87	19.00	17.56	19.00	20.73	22.00		
	64	5320	17.94	19.00	17.58	19.00	20.78	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.94	19.00	17.58	19.00	20.78	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.94	19.00	17.58	19.00	20.78	22.00		
802.11ac-VHT20 MCS0	52	5270	17.68	18.50	17.38	18.50	20.44	21.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.68	18.50	17.38	18.50	20.44	21.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.68	18.50	17.38	18.50	20.44	21.50		
	56	5280	18.42	19.50	18.61	19.50	21.23	22.50	14.50	15.50	15.50	16.50	9.58	11.00	11.00	11.00	12.74	14.00	18.42	19.50	18.61	19.50	21.23	22.50	14.50	15.50	15.50	16.50	9.58	11.00	11.00	11.00	12.74	14.00	18.42	19.50	18.61	19.50	21.23	22.50
	60	5300	18.58	19.50	18.07	19.50	21.07	22.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	18.58	19.50	18.07	19.50	21.07	22.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	18.58	19.50	18.07	19.50	21.07	22.50		
	64	5320	18.57	19.50	18.21	19.50	21.41	22.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	18.57	19.50	18.21	19.50	21.41	22.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	18.57	19.50	18.21	19.50	21.41	22.50		
802.11ac-HE40 MCS0	54	5270	18.38	19.50	17.79	19.50	21.05	22.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.40	19.00	17.68	19.00	20.57	22.00	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	17.40	19.00	17.68	19.00	20.57	22.00		
	52	5270	15.85	18.50	15.26	18.50	18.57	19.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	15.85	18.50	15.26	18.50	18.57	19.50	15.50	15.50	15.50	15.50	11.00	11.00	11.00	11.00	14.00	15.85	18.50	15.26	18.50	18.57	19.50		
	56	5280	14.30	15.50	13.87	15.50	17.01	18.50	14.50	14.50	14.50	14.50	11.00	11.00	11.00	11.00	14.00	14.30	15.50	13.87	15.50	17.01	18.50	14.50	14.50	14.50	14.50	11.00	11.00	11.00	11.00	14.00	14.30	15.50	13.87	15.50	17.01	18.50		



5.3GHz WLAN			Extremity Simultaneous						Body Simultaneous						Body Simultaneous						Duty Cycle %					
Mode	Channel	Frequency (MHz)	Ant 5		Ant 18		Ant 5+18		Ant 5		Ant 18		Ant 5+18		Ant 5		Ant 18		Ant 5+18							
			Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit	Average power (dBm)	Time-Up Limit				
802.11a 8Mbps	52	5240	15.50	15.50	15.50	15.50	15.50	17.96	19.00	17.60	19.00	20.72	22.00	17.60	19.00	17.50	19.00	20.72	22.00	17.50	19.00	20.72	22.00	96.97		
	58	5280	15.50	15.50	15.50	15.50	15.50	17.97	19.00	17.60	19.00	20.77	22.00	17.60	19.00	17.53	19.00	20.77	22.00	17.53	19.00	20.77	22.00			
	60	5300	15.50	15.50	15.50	15.50	15.50	17.89	19.00	17.54	19.00	20.73	22.00	17.60	19.00	17.54	19.00	20.73	22.00	17.54	19.00	20.73	22.00			
	64	5320	15.50	15.50	15.50	15.50	15.50	17.96	19.00	17.72	19.00	20.85	22.00	17.66	19.00	17.72	19.00	20.85	22.00	17.72	19.00	20.85	22.00			
	52	5260	15.50	15.50	15.50	15.50	15.50	17.76	19.00	17.38	19.00	20.59	22.00	17.76	19.00	17.38	19.00	20.59	22.00	17.38	19.00	20.59	22.00			
	58	5280	15.50	15.50	15.50	15.50	15.50	17.79	19.00	17.46	19.00	20.64	22.00	17.79	19.00	17.46	19.00	20.64	22.00	17.46	19.00	20.64	22.00			
	60	5300	15.50	15.50	15.50	15.50	15.50	17.86	19.00	17.60	19.00	20.79	22.00	17.66	19.00	17.66	19.00	20.79	22.00	17.66	19.00	20.79	22.00			
	64	5320	15.50	15.50	15.50	15.50	15.50	17.94	19.00	17.58	19.00	20.78	22.00	17.64	19.00	17.58	19.00	20.78	22.00	17.58	19.00	20.78	22.00			
	802.11a-HE40 MCS0	54	5270	Not Required	15.50	Not Required	15.50	15.50	17.62	18.50	17.00	18.50	20.38	21.50	17.62	18.50	17.00	18.50	20.38	21.50	17.62	18.50	20.38		21.50	93.85
		62	5310	14.50	15.50	13.53	15.50	15.50	15.89	16.50	15.50	18.42	19.50	15.69	18.50	15.10	18.50	18.42	19.50	15.69	18.50	18.42	19.50			
		52	5260	15.50	15.50	15.50	15.50	15.50	17.81	19.00	17.42	19.00	20.64	22.00	17.62	19.00	17.43	19.00	20.64	22.00	17.43	19.00	20.64		22.00	
		58	5280	15.50	15.50	15.50	15.50	15.50	17.87	19.00	17.60	19.00	20.70	22.00	17.67	19.00	17.60	19.00	20.70	22.00	17.60	19.00	20.70		22.00	
	802.11a-HE20 MCS0	58	5280	15.50	15.50	15.50	15.50	15.50	17.94	19.00	17.58	19.00	20.78	22.00	17.64	19.00	17.58	19.00	20.78	22.00	17.58	19.00	20.78		22.00	96.79
		60	5300	15.50	15.50	15.50	15.50	15.50	17.94	19.00	17.58	19.00	20.78	22.00	17.64	19.00	17.58	19.00	20.78	22.00	17.58	19.00	20.78		22.00	
		64	5320	15.50	15.50	15.50	15.50	15.50	17.96	19.00	17.62	19.00	20.82	22.00	17.66	19.00	17.62	19.00	20.82	22.00	17.62	19.00	20.82		22.00	
		54	5270	15.50	15.50	15.50	15.50	15.50	17.88	18.50	17.56	18.50	20.44	21.50	17.68	18.50	17.16	18.50	20.44	21.50	17.16	18.50	20.44		21.50	
	802.11a-HE10 MCS0	62	5310	15.50	15.50	15.50	15.50	15.50	15.76	16.50	15.17	16.50	18.49	19.50	15.76	16.50	15.17	16.50	18.49	19.50	15.76	16.50	18.49		19.50	96.84
		58	5280	14.50	15.50	13.53	15.50	15.50	14.32	15.00	13.20	15.50	16.95	18.00	14.32	15.50	13.53	15.50	16.95	18.00	14.32	15.50	16.95		18.00	
		52	5260	15.50	15.50	15.50	15.50	15.50	18.42	19.50	18.01	19.50	21.23	22.50	18.42	19.50	18.01	19.50	21.23	22.50	18.01	19.50	21.23		22.50	
		60	5300	15.50	15.50	15.50	15.50	15.50	18.44	19.50	18.07	19.50	21.27	22.50	18.44	19.50	18.07	19.50	21.27	22.50	18.07	19.50	21.27		22.50	
	802.11a-HE30 MCS0	60	5300	15.50	15.50	15.50	15.50	15.50	18.56	19.50	18.59	19.50	21.39	22.50	18.56	19.50	18.19	19.50	21.39	22.50	18.19	19.50	21.39		22.50	95.88
		64	5320	15.50	15.50	15.50	15.50	15.50	18.57	19.50	18.21	19.50	21.41	22.50	18.57	19.50	18.21	19.50	21.41	22.50	18.21	19.50	21.41		22.50	
		54	5270	15.50	15.50	15.50	15.50	15.50	18.38	19.00	17.79	19.00	21.05	22.00	18.29	19.00	17.79	19.00	21.05	22.00	17.79	19.00	21.05		22.00	
		62	5310	15.50	15.50	15.50	15.50	15.50	15.85	16.50	15.26	16.50	18.07	19.50	15.85	16.50	15.26	16.50	18.07	19.50	15.85	16.50	18.07		19.50	
802.11a-HE60 MCS0	58	5280	15.50	15.50	15.50	15.50	15.50	14.30	15.00	13.67	15.50	17.01	18.50	14.30	15.50	13.67	15.50	17.01	18.50	14.30	15.50	13.67	15.50	86.84		



S.DOH WLAN				Extremity Simultaneous				Body Standalone				Body Simultaneous				Duty Cycle %			
Mode	Channel	Frequency (MHz)	Ant 5	Ant 18		Ant 5-18		Ant 5	Ant 18		Ant 5-18		Ant 5	Ant 18					
			Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)	Turn-Up Limit	Average power (dBm)		Turn-Up Limit		
802.11a Mbps	190	8500	15.50	15.50	15.50	15.50	18.50	16.46	17.50	16.31	17.50	19.41	20.50	16.48	17.50	16.31	17.50	16.41	20.50
	116	8580	15.50	15.50	15.50	15.50	18.50	16.30	17.50	16.54	17.50	19.44	20.50	16.50	17.50	16.54	17.50	16.44	20.50
	124	8620	15.50	15.50	15.50	15.50	18.50	16.31	17.50	16.30	17.50	19.36	20.50	16.31	17.50	16.30	17.50	16.38	20.50
	132	8660	15.50	15.50	15.50	15.50	18.50	16.60	17.50	16.50	17.50	19.56	20.50	16.60	17.50	16.50	17.50	16.55	20.50
	140	8700	15.50	15.50	15.50	15.50	18.50	16.55	17.50	16.31	17.50	19.45	20.50	16.55	17.50	16.31	17.50	16.45	20.50
	144	8720	15.50	15.50	15.50	15.50	18.50	16.58	17.50	16.30	17.50	19.46	20.50	16.58	17.50	16.30	17.50	16.46	20.50
	150	8750	15.50	15.50	15.50	15.50	18.50	16.30	17.50	16.20	17.50	19.28	20.50	16.30	17.50	16.20	17.50	16.20	20.50
	158	8800	15.50	15.50	15.50	15.50	18.50	16.24	17.50	16.51	17.50	19.39	20.50	16.24	17.50	16.51	17.50	16.29	20.50
	124	8620	15.50	15.50	15.50	15.50	18.50	16.20	17.50	16.40	17.50	19.31	20.50	16.20	17.50	16.40	17.50	16.31	20.50
	132	8660	15.50	15.50	15.50	15.50	18.50	16.51	17.50	16.12	17.50	19.43	20.50	16.51	17.50	16.12	17.50	16.43	20.50
	140	8700	15.50	15.50	15.50	15.50	18.50	16.36	17.50	16.27	17.50	19.34	20.50	16.36	17.50	16.27	17.50	16.34	20.50
	144	8720	15.50	15.50	15.50	15.50	18.50	16.44	17.50	16.17	17.50	19.32	20.50	16.44	17.50	16.17	17.50	16.32	20.50
	150	8750	15.50	15.50	15.50	15.50	18.50	16.16	17.50	16.17	17.50	19.18	20.50	16.16	17.50	16.17	17.50	16.20	20.50
	158	8800	15.50	15.50	15.50	15.50	18.50	16.34	17.50	16.20	17.50	19.32	20.50	16.34	17.50	16.20	17.50	16.29	20.50
	110	8550	15.50	15.50	15.50	15.50	18.50	16.05	17.50	15.98	17.50	19.05	20.50	16.05	17.50	15.98	17.50	16.03	20.50
	126	8630	15.50	15.50	15.50	15.50	18.50	16.02	17.50	16.03	17.50	19.06	20.50	16.02	17.50	16.03	17.50	16.07	20.50
	134	8670	15.50	15.50	15.50	15.50	18.50	15.77	17.50	15.96	17.50	18.87	20.50	15.77	17.50	15.95	17.50	15.87	20.50
	142	8710	15.50	15.50	15.50	15.50	18.50	16.16	17.50	16.03	17.50	19.08	20.50	16.16	17.50	16.03	17.50	16.08	20.50
	146	8730	15.50	15.50	15.50	15.50	18.50	16.10	17.50	16.03	17.50	19.08	20.50	16.10	17.50	16.03	17.50	16.08	20.50
	150	8750	15.50	15.50	15.50	15.50	18.50	16.16	17.50	15.87	17.50	19.08	20.50	16.16	17.50	15.87	17.50	16.08	20.50
154	8770	15.50	15.50	15.50	15.50	18.50	16.06	17.50	15.99	17.50	19.05	20.50	16.06	17.50	15.99	17.50	16.03	20.50	
158	8800	15.50	15.50	15.50	15.50	18.50	16.02	17.50	16.03	17.50	19.05	20.50	16.02	17.50	16.03	17.50	16.03	20.50	
110	8550	15.50	15.50	15.50	15.50	18.50	15.99	17.50	15.98	17.50	19.04	20.50	15.99	17.50	15.98	17.50	16.03	20.50	
116	8580	15.50	15.50	15.50	15.50	18.50	15.87	17.50	16.55	17.50	18.43	20.50	15.87	17.50	16.55	17.50	16.43	20.50	
124	8620	15.50	15.50	15.50	15.50	18.50	16.27	17.50	16.43	17.50	19.36	20.50	16.27	17.50	16.43	17.50	16.38	20.50	
132	8660	15.50	15.50	15.50	15.50	18.50	16.05	17.50	16.30	17.50	19.17	20.50	16.05	17.50	16.30	17.50	16.47	20.50	
140	8700	15.50	15.50	15.50	15.50	18.50	16.45	17.50	16.23	17.50	19.40	20.50	16.45	17.50	16.23	17.50	16.40	20.50	
144	8720	15.50	15.50	15.50	15.50	18.50	16.40	17.50	16.27	17.50	19.37	20.50	16.40	17.50	16.27	17.50	16.27	20.50	
150	8750	15.50	15.50	15.50	15.50	18.50	16.08	17.50	16.54	17.50	19.01	20.50	16.08	17.50	16.54	17.50	16.01	20.50	
154	8770	15.50	15.50	15.50	15.50	18.50	16.12	17.50	16.02	17.50	19.08	20.50	16.12	17.50	16.02	17.50	16.08	20.50	
158	8800	15.50	15.50	15.50	15.50	18.50	15.82	17.50	15.98	17.50	18.81	20.50	15.82	17.50	15.98	17.50	16.01	20.50	
154	8770	15.50	15.50	15.50	15.50	18.50	16.13	17.50	16.11	17.50	19.13	20.50	16.13	17.50	16.11	17.50	16.13	20.50	
158	8800	15.50	15.50	15.50	15.50	18.50	16.18	17.50	16.02	17.50	19.11	20.50	16.18	17.50	16.02	17.50	16.11	20.50	
156	8530	12.41	14.00	12.07	14.00	10.25	17.00	12.41	14.00	12.07	14.00	12.41	14.00	12.07	14.00	12.41	14.00	12.25	17.00
122	8610	15.76	15.80	14.23	15.80	17.51	18.50	15.96	17.50	15.86	17.50	18.66	20.50	15.96	17.50	15.86	17.50	16.66	20.50
138	8690	15.91	15.50	14.13	15.50	17.03	18.50	15.95	17.50	15.79	17.50	18.88	20.50	15.95	17.50	15.79	17.50	16.88	20.50
150	8750	15.50	15.50	15.50	15.50	18.50	16.41	17.50	16.25	17.50	19.39	20.50	16.41	17.50	16.25	17.50	16.29	20.50	
116	8580	15.50	15.50	15.50	15.50	18.50	16.36	17.50	16.57	17.50	19.50	20.50	16.36	17.50	16.57	17.50	16.50	20.50	
124	8620	15.50	15.50	15.50	15.50	18.50	16.33	17.50	16.51	17.50	19.43	20.50	16.33	17.50	16.51	17.50	16.43	20.50	
132	8660	15.50	15.50	15.50	15.50	18.50	16.65	17.50	16.46	17.50	19.57	20.50	16.65	17.50	16.46	17.50	16.57	20.50	
140	8700	15.50	15.50	15.50	15.50	18.50	16.53	17.50	16.44	17.50	19.50	20.50	16.53	17.50	16.44	17.50	16.50	20.50	
144	8720	15.50	15.50	15.50	15.50	18.50	16.58	17.50	16.21	17.50	19.43	20.50	16.58	17.50	16.21	17.50	16.45	20.50	
150	8750	15.50	15.50	15.50	15.50	18.50	16.19	17.50	16.05	17.50	19.13	20.50	16.19	17.50	16.05	17.50	16.13	20.50	
110	8550	15.50	15.50	15.50	15.50	18.50	16.23	17.50	16.10	17.50	19.18	20.50	16.23	17.50	16.10	17.50	16.18	20.50	
126	8630	15.50	15.50	15.50	15.50	18.50	15.94	17.50	16.08	17.50	19.02	20.50	15.94	17.50	16.08	17.50	16.02	20.50	
134	8670	15.50	15.50	15.50	15.50	18.50	16.22	17.50	16.23	17.50	19.23	20.50	16.22	17.50	16.23	17.50	16.23	20.50	
142	8710	15.50	15.50	15.50	15.50	18.50	16.28	17.50	16.11	17.50	19.21	20.50	16.28	17.50	16.11	17.50	16.21	20.50	
146	8730	14.00	14.00	14.00	14.00	17.00	12.53	14.00	12.36	14.00	12.36	17.00	12.53	14.00	12.36	14.00	12.36	17.00	
122	8610	15.50	15.50	15.50	15.50	18.50	15.90	17.50	15.92	17.50	18.77	20.50	15.90	17.50	15.92	17.50	16.77	20.50	
138	8690	15.50	15.50	15.50	15.50	18.50	16.03	17.50	15.90	17.50	18.98	20.50	16.03	17.50	15.90	17.50	16.98	20.50	



		Electricity Standalone								Electricity Simultaneous								Body Standalone								Body Simultaneous								
Mode	Channel	Airtel		Airtel 18		Airtel 5-18		Airtel 5		Airtel 18		Airtel 5-18		Airtel 5		Airtel 18		Airtel 5-18		Airtel 5		Airtel 18		Airtel 5-18		Daily Cycle %								
		Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link	Average power (dBm)	Tune-Up Link									
802.11a WLAN	802.11a 8Mbps	149	5745	18.42	19.50	18.35	19.50	21.40	22.50	16.00	16.00	16.00	16.00	19.00	18.42	19.50	18.35	19.50	21.40	22.50	18.42	19.50	18.35	19.50	21.40	22.50	95.97							
		157	5765	18.38	19.50	18.44	19.50	21.42	22.50	16.00	16.00	16.00	16.00	19.00	18.38	19.50	18.44	19.50	21.42	22.50	18.38	19.50	18.44	19.50	21.42	22.50								
		165	5825	18.16	19.50	18.37	19.50	21.28	22.50	16.00	16.00	16.00	16.00	19.00	18.16	19.50	18.37	19.50	21.28	22.50	18.16	19.50	18.37	19.50	21.28	22.50								
	802.11a-HT20 MCS0	149	5745	17.87	19.00	17.79	19.00	20.84	22.00	16.00	16.00	16.00	16.00	19.00	17.87	19.00	17.79	19.00	20.84	22.00	17.87	19.00	17.79	19.00	20.84	22.00	96.76							
		157	5765	17.82	19.00	17.77	19.00	20.81	22.00	16.00	16.00	16.00	16.00	19.00	17.82	19.00	17.77	19.00	20.81	22.00	17.82	19.00	17.77	19.00	20.81	22.00								
		165	5825	17.62	19.00	17.81	19.00	20.73	22.00	16.00	16.00	16.00	16.00	19.00	17.62	19.00	17.81	19.00	20.73	22.00	17.62	19.00	17.81	19.00	20.73	22.00								
	802.11a-HT40 MCS0	151	5725	17.57	18.50	17.62	18.50	20.61	21.50	16.00	16.00	16.00	16.00	19.00	17.57	18.50	17.62	18.50	20.61	21.50	17.57	18.50	17.62	18.50	20.61	21.50	93.68							
		159	5785	17.57	18.50	17.71	18.50	20.65	21.50	16.00	16.00	16.00	16.00	19.00	17.57	18.50	17.71	18.50	20.65	21.50	17.57	18.50	17.71	18.50	20.65	21.50								
		149	5745	17.91	19.00	17.82	19.00	20.88	22.00	16.00	16.00	16.00	16.00	19.00	17.91	19.00	17.82	19.00	20.88	22.00	17.91	19.00	17.82	19.00	20.88	22.00								
	802.11a-VHT20 MCS0	157	5765	17.85	19.00	17.82	19.00	20.85	22.00	16.00	16.00	16.00	16.00	19.00	17.85	19.00	17.82	19.00	20.85	22.00	17.85	19.00	17.82	19.00	20.85	22.00	96.79							
		165	5825	17.84	19.00	17.87	19.00	20.77	22.00	16.00	16.00	16.00	16.00	19.00	17.84	19.00	17.87	19.00	20.77	22.00	17.84	19.00	17.87	19.00	20.77	22.00								
		151	5725	17.62	18.50	17.68	18.50	20.65	21.50	16.00	16.00	16.00	16.00	19.00	17.62	18.50	17.68	18.50	20.65	21.50	17.62	18.50	17.68	18.50	20.65	21.50								
	802.11a-VHT40 MCS0	159	5785	17.65	18.50	17.76	18.50	20.71	21.50	16.00	16.00	16.00	16.00	19.00	17.65	18.50	17.76	18.50	20.71	21.50	17.65	18.50	17.76	18.50	20.71	21.50	93.74							
		149	5745	18.41	17.50	18.38	17.50	19.39	20.50	14.91	16.00	15.00	16.00	17.08	19.00	18.41	17.50	18.36	17.50	19.39	20.50	18.41	17.50	18.36	17.50	19.39		20.50						
		157	5765	18.44	19.50	18.42	19.50	21.44	22.50	16.00	16.00	16.00	16.00	19.00	18.44	19.50	18.42	19.50	21.44	22.50	18.44	19.50	18.42	19.50	21.44	22.50								
	802.11a-HE20 MCS0	165	5825	18.25	19.50	18.48	19.50	21.37	22.50	16.00	16.00	16.00	16.00	19.00	18.25	19.50	18.48	19.50	21.37	22.50	18.25	19.50	18.48	19.50	21.37	22.50	95.88							
		151	5725	18.25	19.50	18.28	19.50	21.26	22.50	16.00	16.00	16.00	16.00	19.00	18.25	19.50	18.28	19.50	21.26	22.50	18.25	19.50	18.28	19.50	21.26	22.50								
		159	5785	18.22	19.50	18.38	19.50	21.30	22.50	16.00	16.00	16.00	16.00	19.00	18.22	19.50	18.36	19.50	21.30	22.50	18.22	19.50	18.36	19.50	21.30	22.50								
	802.11a-HE40 MCS0	155	5775	18.02	19.50	17.99	19.50	21.02	22.50	16.00	16.00	16.00	16.00	19.00	18.02	19.50	17.99	19.50	21.02	22.50	18.02	19.50	17.99	19.50	21.02	22.50	92.46							
		155	5775	18.02	19.50	17.99	19.50	21.02	22.50	16.00	16.00	16.00	16.00	19.00	18.02	19.50	17.99	19.50	21.02	22.50	18.02	19.50	17.99	19.50	21.02	22.50								



DBS Power for WLAN

2.4GHz FCC

Table with columns: Full Power, Head Simultaneous, Head Simultaneous, Hotspot, End-to-End Simultaneous, Body Simultaneous, Body Simultaneous. Rows include 802.11a/b/g, 802.11g/n, and 802.11ax E20 MCS0.

WLAN 5GHz FCC

Table with columns: Full Power, Head Simultaneous, Head Simultaneous, Hotspot, End-to-End Simultaneous, Body Simultaneous, Body Simultaneous. Rows include 802.11a/b/g/n, 802.11ax E20 MCS0, 802.11ac VHT40 MCS0, 802.11ac VHT80 MCS0, 802.11ax E20 MCS0, 802.11ax E40 MCS0, and 802.11ax E80 MCS0.

5.8GHz FCC

Table with columns: Full Power, Head Simultaneous, Head Simultaneous, Hotspot, End-to-End Simultaneous, Body Simultaneous, Body Simultaneous. Rows include 802.11a/b/g/n, 802.11ax E20 MCS0, 802.11ac VHT40 MCS0, 802.11ac VHT80 MCS0, 802.11ax E20 MCS0, 802.11ax E40 MCS0, and 802.11ax E80 MCS0.

5.8GHz WLAN

Table with columns: Full Power, Head Simultaneous, Head Simultaneous, Hotspot, End-to-End Simultaneous, Body Simultaneous, Body Simultaneous. Rows include 802.11a/b/g/n, 802.11ax E20 MCS0, 802.11ac VHT40 MCS0, 802.11ac VHT80 MCS0, 802.11ax E20 MCS0, 802.11ax E40 MCS0, and 802.11ax E80 MCS0.

5.8GHz WLAN

Table with columns: Full Power, Head Simultaneous, Head Simultaneous, Hotspot, End-to-End Simultaneous, Body Simultaneous, Body Simultaneous. Rows include 802.11a/b/g/n, 802.11ax E20 MCS0, 802.11ac VHT40 MCS0, 802.11ac VHT80 MCS0, 802.11ax E20 MCS0, 802.11ax E40 MCS0, and 802.11ax E80 MCS0.



Conducted Power for Bluetooth

<BT BR/EDR			Full Power			Head Simultaneous		
			Art 17			Art 17		
Mode	Channel	Frequency (MHz)	Average power (dBm)			Average power (dBm)		
			DHS	SDHS	SDS	DHS	SDHS	SDS
BR/EDR	CH30	2402	16.33	13.09	13.19	16.91		Not Required
	CH39	2441	16.29	13.16	13.11	16.82		
	CH39	2480	16.26	13.19	13.08	16.76		
	Take-off limit			17.2	14.2	14.5	11.2	

BLE 1M/2M			Art 17	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH30	2402	7.10	7.20
	CH39	2440	7.52	7.60
	CH39	2480	6.96	6.96
	Take-off limit			8.5